

Systems

IBM System/360 and System/370 Bibliography

This bibliography identifies and describes all technical publications and related materials needed by those who plan for, program, install, or operate the IBM System/360 (Model 22 and above) and the IBM System/370.

Titles, order numbers, current status, subject codes, an abstract of each item, and graphic library charts are provided.

This bibliography is updated regularly to include new or revised publications and abstracts pertaining to this system library.

System/360 Model 20 publications and abstracts are provided in a separate bibliography, order number GA26-3565.

IBM

Twenty-first Edition (July 1973); level of June 7, 1973

This is a major revision of, and supersedes, GA22-6822-19 and Technical Newsletter GN20-2844.

This edition incorporates and makes obsolete a temporary supplement, *IBM System/370 Advanced Function Bibliography*, GC20-1763.

In Part 3, which was introduced in the Twentieth Edition, the subject code of each publication has now been added to the left of its order number.

Requests for IBM publications should be made to your IBM representative or to the IBM branch office serving your locality.

A form for readers' comments is provided at the back of this bibliography. If the form has been removed, comments may be addressed to IBM Corporation, Dept. 77A, 1133 Westchester Avenue, White Plains, New York 10604. Comments and suggestions become the property of IBM.

Preface

For each major IBM data processing system, publications useful in planning, programming, installing and operating that system are assembled in a *system library*.

Subject Identification and Filing

Where a file number (e.g., S360-33) appears on a publication, it identifies the system library in the prefix (S360) and the subject classification in the suffix (33, i.e., sort/merge).

Prefix of File Number

Publications associated with two system libraries identify both in the prefix. Publications applying to more than two libraries have component number(s) in the prefix if one or two components, GENL if involving no one or two specific components, or TP in the case of generalized teleprocessing.

Subject Code

The suffix of the file number identifies the *subject classification* or *code*, such as 22 for APL or 15 for physical planning manuals and templates. The subject code indicates the filing sequence for publications in system libraries which are organized by the subject.

The subject code is used alone (i.e., independently of the file number prefix) to identify and group associated publications. It is also used in subscribing to SLSS (System Library Subscription Service).

The complete list of subject codes and their definitions is given in a table at the beginning of Part 1 of this bibliography.

Organization of Bibliography

This system bibliography has four parts. Part 1 lists publications by subject. It is organized as shown in the table of contents — with the publications under most headings being grouped by subject code.

Part 2 contains abstracts describing each item listed in Part 1.

Part 3 consists of a second listing, in order-number sequence, of all items listed by subject sequence in Part 1.

Part 4 consists of graphic library charts that help to show the associations among publications.

Note: *Order numbers are sequenced by second character. The first character (G, S, or L) is the use key. (See "Identification of Availability.")*

Part 1

In Part 1, the subject code listing, only one subject code is assigned to a publication; however, a publication is listed under more than one heading if, for

example, it applies to more than one programming system.

Items under the same subject code heading are listed in sequence. Basic sequences include: numeric by machine type for machine publications; alphabetic by program name for program publications; or alphanumeric by title for installation forms and supplies.

In Part 1, the basic eight-position order number of each publication is given. Where it is necessary to distinguish between publications that support different releases of a programming system, order-number suffixes (which identify specific editions of that publication), or the order numbers of supplements to that publication, are also given.

Part 2

Before ordering copies of publications, check the abstract, in Part 2, to be sure that your installation will require the information. Abstracts are listed in order-number sequence.

Part 3

Part 3, the list of current editions by order number, shows all recent supplements (Technical Newsletters, or TNLs) as well as all current editions.

This part of the bibliography enables you to easily locate and verify the currency of any publication listed, through its edition suffix and any TNLs issued since the latest edition.

Some publications may exist in several current editions; all are listed, because an early current edition, regularly updated with TNLs, is exactly the same as the latest current edition.

For your convenience in determining the subject code of a publication listed in Part 1, the subject code is repeated in Part 3.

Part 4

The library charts in Part 4 provide a graphic aid for quickly finding publications related to specific configurations and programming systems. Showing various associations among publications or different paths for different requirements, they reduce the time required to chart or check out a basic, individual library.

Order Number

The publication order number has eight positions, plus one or two positions for the edition suffix. The order number identifies various facts about a publication -- including those described below.

Identification of Availability

The first character of the order number is the use key, which governs the availability of the document. Use key G means that the item is available to customers, through the IBM representative, without charge for quantities that meet normal requirements. Use key S means that the item is for sale through IBM branch offices. Use key L means that the item is available only to licensees for the IBM Program Product or other licensed program.

Identification of Logic Manuals

Publications that explain program logic have a "Y" as the second character of the order number: e.g., SY28-1234-5. (They also include "Program Logic Manual," "System Manual," "Logic," or similar wording in the title.) Such manuals are intended for use by persons involved in program maintenance or alteration of the program design; they are not required for normal use or operation of the program described.

Bill of Forms

An order number in the form of GBOF-1234 is a **Bill Of Forms** -- a single order number for a package of several separately-order-numbered documents.

Identification of Microfiche

An alphabetic character in the third position of an order number identifies a document on microfiche: e.g., S2C0-0301 or LYB0-5432-1. The only exception is a bill of forms, in which the third character is also alphabetic (not zero).

Identification of Back-Release Support

A "T" or "Q" in the second position is a temporary order number for a publication that supports a re-release or version of a programming system that is prior to the latest release. E.g., GT00-0012-1 or ST28-1234-4.

Extra Symbols (Flags)

Maximum case: **GC19-0001-5#*
or: **GC28-6421-3#+

A double asterisk preceding the order number indicates a change in the associated title or order number (such as a new edition) or an additional item.

When more than one edition of a publication is current, the order number suffix is followed by a number sign (#).

A single asterisk following the order number indicates that the item is for IBM World Trade use only.

A plus sign following the order number indicates that the item is for U.S.A. use only.

In the abstract section (Part 2), *N identifies a new abstract and *M identifies a modified abstract.

Updating

To keep publications current, changes and additions are distributed in the form of Technical Newsletters (TNLs). When the changed pages released in a TNL are inserted in the manual to which it applies, the base publication is brought up to date. The next reprint of the base publication incorporates the TNLs, and is assigned the next higher suffix number, but need not be ordered as it is the same as any prior edition listed as also current.

TNL Masthead

The masthead of the TNL cover page includes the order number of the base publication to which the TNL applies. All previously issued TNLs are listed in the masthead so that you may verify receipt of all changes. (Each TNL is separately orderable.)

Bibliography Revision Schedule

Between revisions, TNLs are issued to update the bibliography. Each TNL includes pages to be added or replaced wherever necessary to reflect the addition, change, or deletion of publications. At regular intervals, the bibliography is revised to incorporate and merge all new information with that in the previous bibliography edition.

References

Specialized bibliographies and other supplemental items are listed in Part 1 under appropriate subject codes. Check the following items, and the abstracts that describe them:

Supplemental Bibliography: Teleprocessing/Data Collection (GA24-3089), subject code 00.

Bibliography of Data Processing Techniques (GF20-8172), subject code 00.

Bibliographies of application publications that pertain to specific industries (*Medical, Media, Public Utilities, Finance, State and Local Government, Insurance* and others), subject code 60 in "Licensed Application Programs."

IBM Data Processing Glossary (GC20-1699) and *IBM Marketing Publications KWIC Indexes*, subject code 85 in "Other Supplementary Information."

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Part 1. Subject Code Listings

TABLE OF SUBJECT CODE DEFINITIONS

00	General System Information (System Summaries, Bibliographies, Configurators)
01	Machine System (CPU, Storage, Channels, Console)
02	Card Readers and/or Punches, Control Units
03	Printers, Control Units
04	OCR, MCR (Optical and Magnetic Character Readers), Control Units
05	Magnetic Tape Units, Control Units
06	Display Equipment
07	DASD (Direct Access Storage Devices), Control Units
08	Other I/O Devices, Control Units
09	Teleprocessing Equipment
10	Auxiliary Equipment (devices normally off-line)
13	Special Features Information
14	Custom Features and Supporting Programs
15	Physical Planning Information
20	Programming Systems – General Information
21	Assembler
22	APL
23	BASIC
24	COBOL
25	FORTRAN
26	ALGOL
28	RPG
29	PL/I
30	Access Methods, Data Management, I/O Control Programs
31	Support Programs (e.g., Link Edit, Loader)
32	Utilities
33	Sort/Merge
34	System Planning, Generation, Installation, System Management Facility (includes Storage or Performance Estimates, Release Guides)
35	Simulation or Emulation (catalogued by host system)
36	Control Program (e.g., Supervisor, Monitor, JCL, Job Management, IPL, Data Areas, Checkpoint/Restart)
37	RAS (Reliability, Availability, Serviceability): testing, service aids, problem determination
38	Remote Job Entry (RJE, CRJE, RAX, CRBE)
39	Time Sharing, Interactive Facilities (e.g., OS with TSO)
40	System Operation
60	Industries – General Information (Industry Bibliographies, etc.)
—	Airlines (see Transportation)
62	Business and Management Services
—	Communications: see Public Utilities (e.g., telephone, communication control) or Media (e.g., text processing)
63	Distribution (e.g., apparel, food, agribusiness)
64	Education
65	Engineering
66	Exploratory
67	Finance
69	Government, Federal
70	Government, State and Local
71	Insurance
72	Manufacturing
—	Mathematics (see 82 Cross-Industry)
73	Media
74	Medical
75	Process (e.g., forest products, petroleum, plastics, textiles)
76	Public Utilities (Utilities and Communications)
—	Securities (see Finance)
78	Transportation
79	Cross-Industry (see also 80-83 for selections)
80	Cross-Industry – Information Management
81	Cross-Industry – Management, Planning, Project Control
82	Cross-Industry – Mathematics and Science
83	Cross-Industry – Simulation
85	Data Processing – Introductory Manuals and Texts
87	Education – Course Catalogs
89	Installation Forms and Supplies
95	EWS (Early Warning System)
97	PTF (Program Temporary Fix) Listings
99	Type I and SCP Program Listings

00 General System Information

GA24-3089	SUPPLEMENTAL BIBLIOGRAPHY: TELEPROCESSING/DATA COLLECTION
GF20-8172	BIBLIOGRAPHY OF DATA PROCESSING TECHNIQUES
GA22-6810	IBM SYSTEM/360 SYSTEM SUMMARY
GA22-7001	IBM SYSTEM/370 SYSTEM SUMMARY
GA24-3511	IBM SYSTEM/360 MODEL 25 CONFIGURATOR
GA24-3232	IBM SYSTEM/360 MODEL 30 CONFIGURATOR
GA22-6813	IBM SYSTEM/360 MODEL 40 CONFIGURATOR
GA22-6874	IBM SYSTEM/360 MODEL 44 CONFIGURATOR
GA22-6814	IBM SYSTEM/360 MODEL 50 CONFIGURATOR
GA22-6887	SYSTEM/360 MODEL 65 CONFIGURATOR
GA27-2713	IBM SYSTEM/360 MODEL 67 CONFIGURATOR
GA22-6888	IBM SYSTEM/360 MODEL 75 CONFIGURATOR
GA22-6920	IBM SYSTEM/360 MODEL 85 CONFIGURATOR
**GA33-1511	IBM SYSTEM/370 MODEL 115 CONFIGURATOR
GA33-1507	IBM SYSTEM/370 MODEL 125 CONFIGURATOR
GA33-3014	IBM SYSTEM/370 MODEL 135 CONFIGURATOR
GA22-6957	IBM SYSTEM/370 MODEL 155 CONFIGURATOR
GA22-7013	SYSTEM/370 MODEL 158 CONFIGURATOR
GA22-6956	IBM SYSTEM/370 MODEL 165 CONFIGURATOR
GA22-7014	SYSTEM/370 MODEL 168 CONFIGURATOR
GA22-6944	IBM SYSTEM/360 AND SYSTEM/370 MODEL 195 CONFIGURATOR
GA22-6872	IBM 1827 DATA CONTROL UNIT - CONFIGURATOR
GA22-6823	SYSTEM/360 INPUT/OUTPUT CONFIGURATOR
GA22-7002	SYSTEM/370 INPUT/OUTPUT CONFIGURATOR

01 Machine System

GA22-6821	IBM SYSTEM/360 PRINCIPLES OF OPERATION
GA22-7000	IBM SYSTEM/370 PRINCIPLES OF OPERATION
GX20-1703	IBM SYSTEM/360 REFERENCE DATA CARD
GX20-1850	SYSTEM/370 REFERENCE SUMMARY CARD
SR20-1078	SYSTEM/360 - 370 OPERATOR'S REFERENCE GUIDE
GX26-1587	IBM REFERENCE CARD, DECIMAL/HEXADECIMAL INTEGER CONVERSION CHART
GX26-1588	IBM REFERENCE CARD, DECIMAL/HEXADECIMAL FRACTION CONVERSION CHART
GX20-1787	DEBUGGING AID DIRECT EVALUATION OF FLOATING POINT NUMBERS IN HEXADECIMAL
GA24-3572	IBM SYSTEM/360 MODEL 22 FUNCTIONAL CHARACTERISTICS SYSTEMS MANUAL
GA24-3574	IBM SYSTEM/360 MODEL 22 OPERATOR'S GUIDE
GA24-3579	IBM SYSTEM/360 MODEL 22 CHANNEL CHARACTERISTICS AND FUNCTIONAL EVALUATION - SYSTEMS LIBRARY MANUAL
GA24-3510	IBM SYSTEM/360 MODEL 25 FUNCTIONAL CHARACTERISTICS
GA24-3523	IBM SYSTEM/360 MODEL 25 OPERATING PROCEDURES
GA24-3538	IBM SYSTEM/360 MODEL 25 CHANNEL CHARACTERISTICS AND FUNCTIONAL EVALUATION
GA24-3231	IBM SYSTEM/360 MODEL 30 FUNCTIONAL CHARACTERISTICS
GA24-3373	IBM SYSTEM/360 MODEL 30 OPERATING GUIDE
GA24-3411	IBM SYSTEM/360 MODEL 30 CHANNEL CHARACTERISTICS AND FUNCTIONAL EVALUATION
GA22-6881	IBM SYSTEM/360 MODEL 40 FUNCTIONAL CHARACTERISTICS
GA22-6911	IBM SYSTEM/360 MODEL 40 OPERATING PROCEDURES
GA22-6875	IBM SYSTEM/360 MODEL 44 FUNCTIONAL CHARACTERISTICS
GA22-6910	IBM SYSTEM/360 MODEL 44 OPERATING PROCEDURES
GA22-6898	IBM SYSTEM/360 MODEL 50 FUNCTIONAL CHARACTERISTICS
GA22-6908	IBM SYSTEM/360 MODEL 50 OPERATING PROCEDURES
GA22-6884	IBM SYSTEM/360 MODEL 65 FUNCTIONAL CHARACTERISTICS
GA27-2728	IBM SYSTEM/360 MODEL 65 OPERATING PROCEDURES
GA27-2719	IBM SYSTEM/360 MODEL 67 FUNCTIONAL CHARACTERISTICS
GA22-6889	IBM SYSTEM/360 MODEL 75 FUNCTIONAL CHARACTERISTICS
GA22-6909	IBM SYSTEM/360 MODEL 75 OPERATING PROCEDURES
GA22-6916	IBM SYSTEM/360 MODEL 85 FUNCTIONAL CHARACTERISTICS
GA22-6927	IBM SYSTEM/360 MODEL 85 OPERATING PROCEDURES
GA22-6907	IBM SYSTEM/360 MODEL 91 FUNCTIONAL CHARACTERISTICS
**GA33-1510	IBM SYSTEM/370 MODEL 115 FUNCTIONAL CHARACTERISTICS
**GC33-5386	SYSTEM/360 MODEL 20 TO SYSTEM/370 MODEL 115 TRANSITION GUIDE DOS/VS
GA33-1506	IBM SYSTEM/370 MODEL 125 FUNCTIONAL CHARACTERISTICS MANUAL
**GA33-1509	IBM SYSTEM/370 MODEL 125 OPERATION PROCEDURES
GC33-2007	SYSTEM/360 MODEL 20 TO SYSTEM/370 MODEL 125 TRANSITION GUIDE
GA33-3005	IBM SYSTEM/370 MODEL 135 FUNCTIONAL CHARACTERISTICS
GC38-0005	IBM SYSTEM/370 MODEL 135 OPERATING PROCEDURES
GA33-3010	IBM SYSTEM/370 MODEL 135 CHANNEL CHARACTERISTICS
GC20-1738	A GUIDE TO THE IBM SYSTEM/370 MODEL 135
GA24-3557	IBM SYSTEM/370 MODEL 145 FUNCTIONAL CHARACTERISTICS
GC38-0015	IBM SYSTEM/370 MODEL 145 OPERATING PROCEDURES

GA24-3573	IBM SYSTEM/370 MODEL 145 CHANNEL CHARACTERISTICS
GC20-1734	A GUIDE TO THE IBM SYSTEM/370 MODEL 145
GA22-6942	IBM SYSTEM/370 MODEL 155 FUNCTIONAL CHARACTERISTICS
GA22-6966	IBM SYSTEM/370 MODEL 155 OPERATING PROCEDURES
GA22-6962	IBM SYSTEM/370 MODEL 155 CHANNEL CHARACTERISTICS
GC20-1729	A GUIDE TO THE IBM SYSTEM/370 MODEL 155
GA22-7011	IBM SYSTEM/370 MODEL 158 FUNCTIONAL CHARACTERISTICS
**GC38-0025	IBM SYSTEM/370 MODEL 158 OPERATING PROCEDURES
GA22-7012	IBM SYSTEM/370 MODEL 158 CHANNEL CHARACTERISTICS
GC20-1754	A GUIDE TO THE IBM SYSTEM/370 MODEL 158
GA22-6935	IBM SYSTEM/370 MODEL 165 FUNCTIONAL CHARACTERISTICS
GA22-6969	IBM SYSTEM/370 MODEL 165 OPERATING PROCEDURES
GC20-1730	A GUIDE TO THE IBM SYSTEM/370 MODEL 165
GX22-6984	IBM SYSTEM/370 MODEL 165 OPERATORS REFERENCE CARD
GA22-7010	SYSTEM/370 MODEL 168 FUNCTIONAL CHARACTERISTICS MANUAL
**GC38-0030	SYSTEM/370 MODEL 168 OPERATING PROCEDURES
GC20-1755	A GUIDE TO THE IBM SYSTEM/370 MODEL 168
GC20-1752	OS/VS1 FEATURES SUPPLEMENT (OPTIONAL SECTION FOR GC20-1734, GC20-1738, GC20-1754, OR GC20-1755)
GC20-1753	OS/VS2 FEATURES SUPPLEMENT (OPTIONAL SECTION FOR GC20-1734, GC20-1754, OR GC20-1755)
GA22-6943	IBM SYSTEM/360 AND SYSTEM/370 MODEL 195 FUNCTIONAL CHARACTERISTICS
GA22-6954	IBM SYSTEM/360 MODEL 195 OPERATING PROCEDURES
GA22-6877	IBM SYSTEM/360 COMPONENT DESCRIPTIONS AND OPERATING PROCEDURES IBM 1052 PRINTER-KEYBOARD MODEL 7 WITH IBM 2150 CONSOLE
GA24-3552	IBM 3210 CONSOLE PRINTER-KEYBOARDS
GA24-3550	IBM 3215 CONSOLE PRINTER-KEYBOARD COMPONENT DESCRIPTION

02 Card Readers and/or Punches, Control Units

GA21-9025	IBM 1442-N1 AND N2 COMPONENT DESCRIPTION AND OPERATING PROCEDURES - SRL MANUAL
GA21-9026	IBM 2501 MODELS B1 AND B2 COMPONENT DESCRIPTION AND OPERATING PROCEDURES
GA21-9027	IBM 2520-B1, B2, AND B3, COMPONENT DESCRIPTION AND OPERATING PROCEDURES - SRL MANUAL
GA21-9033	IBM SYSTEM/360 COMPONENT DESCRIPTION AND OPERATING PROCEDURES, IBM 2540 CARD READ PUNCH - SRL MANUAL
GA21-9144	IBM 2596 CARD READ PUNCH PROGRAMMER'S REFERENCE MANUAL AND OPERATOR'S GUIDE - SYSTEMS REFERENCE LIBRARY
**GA21-9124	IBM 3504 CARD READER/IBM 3505 CARD READER AND IBM 3225 CARD PUNCH SUBSYSTEM
**GA21-9167	IBM SYSTEM/370: 5425 MULTI-FUNCTION CARD UNIT PROGRAMMER'S REFERENCE MANUAL AND OPERATOR'S GUIDE

03 Printers, Control Units

GA24-3073	IBM 1403 PRINTER COMPONENT DESCRIPTION
GA24-1446	IBM 1404 PRINTER
GA24-3120	IBM 1443 PRINTER MODELS 1 THROUGH 4 AND N1, AND 1445 PRINTER MODELS 1 AND N1: COMPONENT DESCRIPTION
GA24-3312	IBM 2821 CONTROL UNIT COMPONENT DESCRIPTION
GA24-3543	IBM 3211 PRINTER 3216 INTERCHANGEABLE TRAIN CARTRIDGE AND 3811 PRINTER CONTROL UNIT COMPONENT DESCRIPTION AND OPERATOR'S GUIDE

04 OCR and MRC, Control Units

GA24-1499	IBM 1219 READER SORTER IBM 1419 MAGNETIC CHARACTER READER
GA19-0004	IBM 1219 READER SORTER, MODEL 32 IBM 1419 MAGNETIC CHARACTER READER, MODEL 32
GA21-9031	IBM SYSTEM/360 COMPONENT DESCRIPTION AND OPERATING PROCEDURES: 1231-N1 (OPTICAL MARK PAGE READER)
GA24-3542	IBM 1255 MAGNETIC CHARACTER READER MODELS 1, 2, AND 3 COMPONENT DESCRIPTION
GA24-3500	IBM 1259 MAGNETIC CHARACTER READER COMPONENT DESCRIPTION
GA19-0036	PAPER AND PRINT QUALITY REQUIREMENTS FOR IBM 1270 AND 1275 OPTICAL READER SORTERS
GA19-0034	IBM 1275 OPTICAL READER SORTER FOR SYSTEM/360 AND SYSTEM/370
GA24-3256	IBM 1285 OPTICAL READER COMPONENT DESCRIPTION AND OPERATING PROCEDURES
GA21-9064	IBM SYSTEM/360 COMPONENT DESCRIPTION AND OPERATING PROCEDURES IBM 1287 OPTICAL READER
**GA21-9150	IBM SYSTEM/360 AND SYSTEM/370 COMPONENT DESCRIPTION AND OPERATING PROCEDURES: IBM 1287 OPTICAL READER, MODEL 5
GA21-9139	IBM 1287 OPTICAL READER MODEL 5: GENERAL INFORMATION
GX20-1741	IBM 1287 OPTICAL READER DOCUMENT TRACING GUIDE
GX20-1759	IBM 1287 OPTICAL READER DESIGN FORMATS
GA21-9081	IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 1288 OPTICAL PAGE READER MODEL 1

GX21-9106 IBM 1288 DOCUMENT GAUGE FOR MACHINE SETUP
 **GC20-1686 OCR INPUT PREPARATION GUIDE FOR THE IBM 1287/1288 OPTICAL CHARACTER READERS
 **GC20-1739 HANDPRINTING CONSIDERATIONS FOR THE IBM 1287/1288 OPTICAL CHARACTER READERS
 **GC20-1733 IBM 1287/1288 OCR ERROR RECOVERY GUIDE
 GA24-1421 IBM 1412 MAGNETIC CHARACTER READER MODEL I
 GA24-1452 PRINT QUALITY CONSIDERATIONS IBM 1418 AND IBM 1428
 GA24-1473 IBM 1418 OPTICAL CHARACTER READER
 IBM 1428 ALPHAMERIC OPTICAL READER
 GA19-0023 IBM 1419 MODEL 32 ATTACHED TO IBM SYSTEM/360 MODEL 25, 30, 40, 50, AND 65
 GC20-1751 IBM 3881 OPTICAL MARK READER SYSTEMS DESIGN GUIDE
 **GA21-9143 IBM 3881 OPTICAL MARK READER MODELS 1 AND 2 REFERENCE MANUAL AND OPERATOR'S GUIDE
 **GA21-9147 IBM 3886 OPTICAL CHARACTER READER MODEL I REFERENCE MANUAL
 **GA21-9154 IBM 3886 OPTICAL CHARACTER READER MODEL 2 COMPONENT REFERENCE MANUAL
 **GA21-9148 IBM 3886 OPTICAL CHARACTER READER INPUT DOCUMENT DESIGN GUIDE AND SPECIFICATIONS
 **GC20-1760 IBM 3886 OPTICAL CHARACTER READER FORMS KIT
 **GA24-3602 IBM 3890 DOCUMENT PROCESSOR - GENERAL INFORMATION

05 Magnetic Tape Units, Control Units

GA32-0006 TAPE SPECIFICATIONS FOR IBM ONE-HALF INCH TAPE DRIVES AT: 556 AND 800 BPI AND 3200 FCI
 GA22-6866 SYSTEM/360 COMPONENT DESCRIPTIONS: 2400-SERIES MAGNETIC TAPE UNITS, 2803/2804 TAPE CONTROLS, AND 2816 SWITCHING UNIT MODEL 1
 GX22-6837 2401 - 2404 AND 2415 MAGNETIC TAPE UNITS
 GX35-5001 IBM SYSTEM/360/370 REFERENCE DATA 2401-2404, 2415, 2420, AND 3420 MAGNETIC TAPE UNITS
 GA32-0007 COMPONENT DESCRIPTION IBM 2420 MODEL 5 MAGNETIC TAPE UNIT
 GA27-2726 IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2495 TAPE CARTRIDGE READER
 GA32-0015 IBM 3410/3411 MAGNETIC TAPE SUBSYSTEM COMPONENT SUMMARY MANUAL
 **GA32-0022 IBM 3410/3411 MAGNETIC TAPE SUBSYSTEM COMPONENT DESCRIPTION MANUAL
 GA32-0020 3803/3420 MAGNETIC TAPE SUBSYSTEMS
 GA22-6828 IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 7340 MODEL 3 HYPERTAPE DRIVE

06 Display Equipment

Note: Other display equipment, used primarily in a teleprocessing environment, is listed under subject code 09.

GA27-2701 IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2250 DISPLAY UNIT MODEL 1
 GA27-2702 IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2250 DISPLAY UNIT MODEL 2 IBM 2840 DISPLAY CONTROL MODEL 1
 GA27-2721 IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2250 DISPLAY UNIT MODEL 3 IBM 2840 DISPLAY CONTROL MODEL 2
 GC20-1688 IBM 2260 DISPLAY STATION OPERATOR MANUAL
 GA27-2700 IBM SYSTEM/360 COMPONENT DESCRIPTION:
 IBM 2260 DISPLAY STATION
 IBM 2848 DISPLAY CONTROL
 GA27-2731 IBM SYSTEM/360 COMPONENT DESCRIPTION
 IBM 2265 DISPLAY STATION IBM 2845 DISPLAY CONTROL
 GA27-2730 COMPONENT DESCRIPTION IBM 2285 DISPLAY COPIER

07 DASD, Control Units

GA26-3633 DATA CELL HANDLING GUIDE
 **GA26-4187 DISKETTE HANDLING PROCEDURES
 GA26-5756 IBM DISK PACK AND CARTRIDGE HANDLING PROCEDURES
 GA22-6895 IBM SYSTEM/360 COMPONENT DESCRIPTIONS - 2820 STORAGE CONTROL AND 2301 DRUM STORAGE
 GX20-1717 IBM 2301 DRUM STORAGE
 GX20-1705 IBM 2311 DISK CELL DRIVE REFERENCE CARD
 GA26-3599 IBM SYSTEM/360 COMPONENT DESCRIPTIONS - 2314 DIRECT ACCESS STORAGE FACILITY AND 2844 AUXILIARY STORAGE CONTROL
 GX20-1710 IBM 2314 DIRECT ACCESS STORAGE FACILITY CAPACITY AND TRANSMISSION TIME REFERENCE CARD
 GA26-1606 IBM 2319 DISK STORAGE - A-SERIES, COMPONENT DESCRIPTION
 GX20-1704 IBM 2321 DATA CELL DRIVE
 GA26-1589 COMPONENT SUMMARY-2835 STORAGE CONTROL
 2305 FIXED HEAD STORAGE
 GA26-5988 IBM SYSTEM/360 COMPONENT DESCRIPTIONS--2841 AND ASSOCIATED DASD
 2311 DISK STORAGE DRIVE MODEL 1, 2321 DATA CELL DRIVE, 2303 DRUM STORAGE

**GA26-1615 INTRODUCTION IBM 3330 A-SERIES DISK STORAGE - SYSTEM LIBRARY
 MANUAL
 **GX20-1920 3330 SERIES DISK STORAGE 3330/3333 MODEL 1 3330 MODEL 2
 REFERENCE SUMMARY
 **GA26-1619 IBM 3340 COMPONENT SUMMARY
 **GC21-5072 IBM 3540 DISKETTE INPUT/OUTPUT UNIT SYSTEM
 INFORMATION MANUAL
 GA26-1592 REFERENCE MANUAL FOR IBM 3830 STORAGE CONTROL AND IBM 3330
 DISK STORAGE
 **GA26-1617 INTRODUCTION IBM 3830 MODEL 2 STORAGE CONTROL UNIT - SYSTEM
 LIBRARY MANUAL
 **GA26-1620 REFERENCE MANUAL FOR IBM 3830 MODEL 2 STORAGE CONTROL UNIT

08 Other I/O Devices, Control Units

GA22-6868 IBM SYSTEM/360 - COMPONENT DESCRIPTION, IBM 1827 DATA
 CONTROL UNIT
 GA24-3388 IBM 2671 PAPER TAPE READER,
 IBM 2822 PAPER TAPE READER CONTROL - COMPONENT DESCRIPTION
 GA33-4500 IBM SYSTEM/360 COMPONENT DESCRIPTIONS - 2826 PAPER TAPE
 CONTROL UNIT 1017 PAPER TAPE READER 1018 PAPER TAPE PUNCH
 GA36-0002 IBM 4481 FILM READER/RECORDER
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SY27-7242-0 SN27-1390	N N	E E	OS/VS Graphic Subroutine Package (GSP) for FORTRAN IV, COBOL, and PL/I Logic
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SY27-7241-0	N	E	OS/VS Graphics Problem-Oriented Routines Logic
SY24-5156-0 (ST64-5156-0) SY24-5156-1 SN24-5464	N		OS/VS I/O Supervisor Logic
		N N	OS/VS1 I/O Supervisor Logic
SY26-3786-1 SN26-8030	N	E N	OS/VS ISAM Logic
SY26-3785-1 (SQ66-3785-1) SY26-3785-2	N		OS/VS Open/Close/EOV Logic
		N	
SY26-3788-1 SN26-8028	N	E N	OS/VS SAM Logic
GC26-3795-1		E	OS/VS Tape Labels
GC27-6980-0 GN27-1397 GN27-1417	N N	E E N	OS/VS BTAM
SY27-7246-0 SN27-1398 SN27-1401	N N	E E N	OS/VS BTAM Logic
GC30-2022-1 GN30-2575	C C	E E	OS TCAM Concepts and Facilities, Prog. No. 360S-CQ-548
GC30-2034-1 (GQ30-2034-1) GC30-2034-2	C	E C	OS/VS TCAM Programmer's Guide, Prog. No. 5744-AW1
GC30-2036-0		N	OS/VS TCAM Level 4 Component Release Guide
GC38-0305-0	C	E	Operator's Library: OS/VS TCAM
GC30-2035-0	C	E	OS/VS1 TCAM Level 2 Component Release Guide
SY30-2039-1 (ST70-2039-1) SY30-2039-2	C		OS/VS TCAM Logic
		C	
GC30-2025-0 (GT30-2025-0) GC30-2025-1	E E	E E	OS TCAM User's Guide

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	1.0	2.0	
GC27-6987-1	E	E	Introduction to VTAM
GC26-3799-0 (GT26-3799-0)	C		OS/VS Virtual Storage Access Method (VSAM) Planning Guide
GC26-3799-1		C	
GC21-5004-2	E	E	OS Data Management Services and Macro Instructions for IBM
GN21-5147	N	E	1285/1287/1288
GN21-7658	N	E	
GY21-0013-1	E	E	OS Data Management Macro Logic for IBM 1285/1287/1288
GN21-5169	N	E	
GN21-7659	N	E	
GC21-5006-2	N	E	OS Data Management Services and Macro Instructions for
GN26-0744	N	E	1419/1275
GN26-0755		N	
GC30-3001-2	E	E	IBM 3735 Programmer's Guide (OS, DOS, and VS Systems)
GN30-3003	E	E	
GN30-3004	E	E	
GN30-3005	N	E	
GC21-5069-0	N	E	OS/VS Program Planning Guide for IBM 3886 Optical
GN21-5206	N	E	Character Reader Model 1
GY30-3000-0	E	E	IBM 3735 Programmable Buffered Terminal: Form
GY30-3500	E	E	Description Macro Instructions and Form
GY30-3501	N	E	Description Utility: Program Logic Manual
GY30-3504		N	(OS, DOS and VS Systems)
GC27-6995-0		E	VTAM Application Program Reference Manual
GC38-1010-0		N	OS/VS Message Library: VS1 RES RTAM and Account Messages
GN24-5462		N	
SY28-6849-0		N	OS/VS1 RES RTAM and Workstation Support Logic
SN28-5468		N	
<u>31 Support Programs</u>			
GC26-3813-1		E	OS/VS Linkage Editor and Loader
SY26-3815-0	N	E	OS/VS Linkage Editor Logic
SN26-8020	N	E	
SN26-8033		N	
SY26-3814-0	N	E	OS/VS Loader Logic
SN26-8022	N	E	
SN26-8032		N	
GC38-1007-1	N	E	OS/VS Message Library: Linkage Editor and
GN26-0753		N	Loader Messages
<u>32 Utilities</u>			
GC35-0005-1	N	E	OS/VS Utilities
SY35-0005-0	N	E	OS/VS Utilities Logic

<u>ORDER NO./TNL'S</u>	<u>RELEASE</u>		<u>TITLE</u>
	<u>1.0</u>	<u>2.0</u>	
SN35-0008		N	
GC38-1005-1 (GQ38-1005-1)	N	E	OS/VS Message Library: Utilities Messages
GC38-1005-2		E	
<u>34 System Planning, Generation, Installation, SMF</u>			
GC24-5090-0 (GT24-5090-0)	N		OS/VS1 Planning and Use Guide
GN24-5454	N		
GC24-5090-1		N	
GC24-5082-1	N	E	DOS to OS/MFT, OS/MVT, OS/VS1 Management Planning Guide
GC24-5095-0 (GT24-5095-0)	N		DOS to OS/VS1 Implementation Guide
GC24-5095-1		N	
GC24-5092-0	N		OS/VS1 Release 1 Guide
GC24-5097-0 GN24-5460		N N	OS/VS1 Release 2 Guide
GC24-5094-0 (GT24-5094-0)	N		OS/VS1 Storage Estimates
GC24-5094-1		N	
GN24-5463		N	
GN24-5469		N	
GC26-3790-1	N	E	OS/VS System Generation Introduction
GC26-3791-0 (GT26-3791-0)	N		OS/VS1 System Generation Reference
GC26-3791-1		N	
GN26-0762		N	
GN26-0764		N	
GC35-0004-2 (GT00-0118-0)		N	OS/VS System Management Facilities (SMF)
GC35-0004-3		E	
<u>35 Simulation or Emulation</u>			
GC26-3777-3	INDEP		Emulating DOS on IBM System/370 Under OS
GY26-3741-3 GN26-8021	INDEP		DOS Emulator Logic (on IBM System/370 under OS)
GC33-2008-1	INDEP		1401/1440/1460 OS Emulator on System/370: Reference - Prog. No. 360C-EU-735 (MFT/MVT); 5744-AH1 (VS)
GY33-7011-0 GN33-7024 GN33-7029	INDEP		1401/1440/1460 OS Emulator on System/370: Logic, Prog. No. 360C-EU-735 (MFT/MFT); 5744-AH1 (VS)
GC33-2009-2 GN33-7040	INDEP		1410/7010 OS Emulator on System/370: Reference, Prog. No. 360C-EU-736 (MFT/MVT); 5744-AG1 (VS)

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	1.0	2.0	
GY33-7012-0 GN33-7030	INDEP		1410/7010 OS Emulator on System/370: Logic Prog. No. 360C-EU-736 (MFT/MVT); 5744-AG1 (VS)
GC27-6948-2	INDEP		7094 - OS Emulator on System 360/370 Models 155/165 and for VS/370
GY27-7248-0 GN27-1409	INDEP		7094 - OS Emulator on System 360/370 Models 155/165 and for VS/370
<u>36 Control Program</u>			
GC26-3784-2		E	OS/VS Checkpoint/Restart
SY24-5159-0 (ST64-5159-0) SN26-8027 SY24-5159-1	N		OS/VS1 Checkpoint/Restart Logic
	N		
		N	
SY28-0605-0 (ST68-0605-0) SY28-0605-1	N		OS/VS1 System Data Areas
		N	
SY24-5160-0 (ST64-5160-0) SY24-5160-1	N		OS/VS1 IPL and NIP Logic
		N	
GC28-0618-2		E	OS/VS JCL Reference
GC28-0617-1 (GQ28-0617-1) GC28-0617-2	N		OS/VS JCL Services
		N	
GX28-0619-1	N	E	OS/VS JCL Syntax Reference Summary
SY24-5161-0 (ST64-5161-0) SY24-5161-1	N		OS/VS1 Job Management Logic
		N	
GC24-5091-1	N	E	OS/VS Programmer's Reference Digest
GC27-6979-1 GN27-1400	N	E	OS/VS Supervisor Services and Macro Instructions
		N	
SY24-5155-0 (ST64-5155-0) SY24-5155-1	N		OS/VS1 Supervisor Logic
		N	
<u>37 RAS</u>			
GC24-5093-0 (GT24-5093-0) GC24-5093-1	N		OS/VS1 Debugging Guide
		N	
GX28-0690-0		C	OS/VS Dynamic Support System Command Language Reference Summary
GC28-0640-0		C	OS/VS Dynamic Support System
SY28-0641-0		C	OS/VS Dynamic Support System Logic
GC28-0636-1	N		OS/VS OLTEP

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GC28-0666-0		N	OS/VSI OLTEP
SY28-0637-1		N	OS/VS OLTEP Logic
SY28-0662-0		N	OS/VSI OLTEP Logic
SY27-7239-0 (ST67-7239-0)		N	
SN27-1399		N	
SY27-7239-1		N	OS/VS Recovery Management Support Logic
SN27-1407		N	
GC28-0633-1		N	OS/VS Service Aids
GN28-2540		N	
GX28-0634-1		N	OS/VS Service Aids Reference Summary
GC38-1006-1 (GQ38-1006-1)		N	OS/VS Message Library: Service Aids and OLTEP Messages
GC38-1006-2		N	
SY28-0635-0		N	OS/VSI Service Aids Logic
SN28-2541		N	
GC28-0638-0 (GT28-0638-0)		N	OS/VS SYS1.LOGREC Error Recording
GC28-0638-1		N	
SY28-0639-0 (ST68-0639-0)		N	OS/VS SYS1.LOGREC Error Recording Logic
SY28-0639-1		N	
<u>38 Remote Job Entry</u>			
GC30-2012-1	E	E	OS/MFT, OS/MVT, and OS/VSI: CRJE Concepts and Facilities,
GN28-0596	N	E	Prog. No. 360S-RC-551 (MFT/MVT), 5741-SC1-0A (VSI)
GC30-2016-1	E	E	OS/MFT, OS/MVT, and OS/VSI: CRJE System Programmer's
GN28-0598	N	E	Guide, Prog. No. 360S-RC-551 (MFT/MVT), 5741-SC1-0A (VSI)
GN28-0613		N	
GC38-0335-0		N	Operator's Library: OS/VSI CRJE
GC30-2014-1	E	E	OS/MFT, OS/MVT, and OS/VSI: CRJE Terminal User's Guide,
GN28-0597	N	E	Prog. No. 360S-RC-551 (MFT/MVT), 5741-SC1-0A (VSI)
GN28-0612		N	
GY30-2011-1	E	E	OS/MFT, OS/MVT, and OS/VSI: CRJE Logic, Prog. No.
GN28-0599	N	E	360S-RC-551 (MFT/MVT), 5741-SC1-0A (VSI)
GN28-0614		N	
GC28-6878-0		N	OS/VSI RES System Programmer's Guide
GN24-5466		N	
GC28-6879-0		N	OS/VSI RES Workstation User's Guide
GN24-5467		N	
SY28-0660-0		N	OS/VSI RES Account Facilities Logic

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GC38-0330-0 GN24-5465	N N		Operator's Library: OS/VS1 RES
<u>40 System Operation</u>			
GC38-0120-1 (GQ38-0120-1) GC38-0120-2	N N		Operator's Library: OS/VS Console Configurations
GC38-0110-0 (GT38-0110-0) GC38-0110-2	N N		Operator's Library: OS/VS1 Reference
GC38-1004-1 (GQ38-1004-1) GC38-1004-2	N N		OS/VS Message Library: Routing and Descriptor Codes
GC38-1003-0 (GT38-1003-0) GC38-1003-1	N N		OS/VS Message Library VS1 System Codes
GC38-1001-0 (GT38-1001-0) GC38-1001-1	N N		OS/VS Message Library: VS1 System Messages

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also applies to this release.
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20 General Information

GC28-0602-0	E		OS/VS Master Index
GY28-0603-0	E		OS/VS Master Index Logic Manual

21 Assembler

GC33-4010-1	E	E	OS/VS and DOS/VS Assembler Language
GC33-4021-1	E		OS/VS Assembler Programmer's Guide
SY33-8041-0	E	E	OS/VS Assembler Logic
SN33-8152	N	E	
SN33-8158	E	E	

30 Access Methods, Data Management, I/O Control Programs

SY26-3789-1	N	E	OS/VS BDAM Logic
SN26-8029	E	E	
GY21-0012-1	E	E	OS BSAM Logic for IBM 1419/1275
GN26-8026	N	E	
GN26-8034	E	E	
SY35-0003-1	N		OS/VS Catalog Management Logic
(SQ75-0003-1)			
SY35-0003-2	E	E	
SY26-3787-0	E		OS/VS DADSM Logic
(ST66-3787-0)			
SN26-8023	E		
SY26-3787-1	E	E	
GC28-0631-2		E	OS/VS Data Management For System Programmers
GC26-3793-2	N	E	OS/VS Data Management Macro Instructions
GC26-3783-2	N	E	OS/VS Data Management Services Guide
GN26-0763	N		
GC38-0260-0	N	E	Operator's Library: OS/VS2 Display Consoles
GN27-1431		E	
SY27-7240-0	E	E	OS/VS Graphics Access Method Logic
SN27-1389	N	E	
GC27-6971-0	E	E	OS/VS Graphic Programming Services (GPS) for IBM 2250 Display Unit
GN27-1391	N	E	
GC27-6972-0	E	E	OS/VS Graphic Programming Services (GPS) for IBM 2260 Display Station (Local Attachment)
GN27-1392	N	E	
GC27-6973-0	E	E	OS/VS Graphic Subroutine Package (GSP) for FORTRAN IV, COBOL, and PL/I
GN27-1393	N	E	
SY27-7242-0	E	E	OS/VS Graphic Subroutine Package (GSP) for FORTRAN IV, COBOL, and PL/I Logic
SN27-1390	N	E	

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GC27-6974-0 GN27-1394	N E	E E	OS/VS Problem Determination Aids and Messages and Codes for GPS and GSP
SY27-7241-0	E	E	OS/VS Graphics Problem-Oriented Routines Logic
SY26-3823-0 (ST66-3823-0) SY26-3823-1	N N	 	OS/VS2 I/O Supervisor Logic
SY26-3786-1 GN26-8030	N E	E E	OS/VS ISAM Logic
SY26-3785-1 (SQ66-3785-1) SY26-3785-2	N E	 E	OS/VS Open/Close/EOV Logic
SY26-3788-1 SN26-8028	N E	E E	OS/VS SAM Logic
GC26-3795-1		E	OS/VS Tape Labels
GC27-6980-0 (GT27-6980-0) GN27-1397 GC27-6980-1 GN27-1417	E N C	 E C	OS/VS BTAM
SY27-7246-0 SN27-1398 SN27-1401	E N C	E E E	OS/VS BTAM Logic
GC30-2022-1 GN30-2575	E E	E E	OS TCAM Concepts and Facilities
GC30-2034-1 (GQ30-2034-1) GC30-2034-2	E C	 E	OS/VS TCAM Programmer's Guide
GC38-0305-0	E		Operator's Library: OS/VS TCAM
SY30-2039-1 (ST70-2039-1) SY30-2039-2	E C	 E	OS/VS TCAM Logic
GC30-2025-0 (GT30-2025-0) GC30-2025-1	E C	 E	OS TCAM User's Guide
GC30-2036-0	C		OS/VS TCAM Level 4 Component Release Guide
GC27-6987-1	E	E	Introduction to VTAM
GC26-3799-0 (GT26-3799-0) GC26-3799-1	E C	E 	OS/VS Virtual Storage Access Method (VSAM) Planning Guide
GC21-5004-2 GN21-5147 GN21-7658	E E E	E E E	OS Data Management Services and Macro Instructions for IBM 1285/1287/1288

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GY21-0013-1 GN21-5169 GN21-7659	E E E	E E E	OS Data Management Macro Logic for IBM 1285/1287/1288
GC21-5006-2 GN26-0744 GN26-0755	E N E	E E E	OS Data Management Services and Macro Instructions for IBM 1419/1275
GC30-3001-2 GN30-3003 GN30-3004	E E N	E E E	IBM 3735 Programmer's Guide (OS, DOS, and VS Systems)
GC21-5069-0	E	E	OS/VS Program Planning Guide for IBM 3886 Optical Character Reader Model 1
GY30-3000-0 GY30-3500 GY30-3501 GY30-3504	E E E E	E E E E	IBM 3735 Programmable Buffered Terminal: Form Description Macro Instructions and Form Description Utility: Program Logic Manual (OS, DOS, and VS Systems)
GC27-6995-0	E		VTAM Application Programmer's Reference Manual
<u>31 Support Programs</u>			
GC26-3813-1		E	OS/VS Linkage Editor and Loader
SY26-3815-0 SN26-8020 SN26-8033	E N E	E E E	OS/VS Linkage Editor Logic
SY26-3814-0 SN26-8022 SN26-8032	E N E	E E E	OS/VS Loader Logic
GC38-1007-1 GN26-0753	N E	E E	OS/VS Message Library: Linkage Editor & Loader Messages
<u>32 Utilities</u>			
GC35-0005-1	N	E	OS/VS Utilities
SY35-0005-0 SN35-0008	E N	E E	OS/VS Utilities Logic
GC38-1005-1 (GQ38-1005-1) GC38-1005-2	N N	E N	OS/VS Message Library: Utilities Messages
<u>34 System Planning, Generation, Installation, SMF</u>			
GC28-0661-0	E	E	Introduction to OS/VS2 Release 2
GC28-0600-2	N	E	OS/VS2 Planning and Use Guide
GC28-0667-0	E	E	OS/VS2 Planning Guide for Release 2
GC28-0601-0 (GT28-0601-0)	N		OS/VS2 Release 1 Guide
GC28-0601-1		N	OS/VS2 Release 1.6 Guide

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GC28-0604-0	N	E	OS/VS2 Storage Estimates
GC26-3790-1	N	E	OS/VS System Generation Introduction
GC26-3792-0 (GT26-3792-0)	E		OS/VS2 System Generation Reference
GN26-0760	E		
GC26-3792-1		N	
GC35-0004-2 (GT00-0118-0)	E		OS/VS System Management Facilities (SMF)
GC35-0004-3		N	
<u>35 Simulation or Emulation</u>			
GC26-3777-3	INDEP		Emulating DOS on IBM System/370 Under OS
GY26-3741-3 GN26-8021	INDEP		DOS Emulator Logic (on IBM System/370 Under OS)
GC33-2008-1	INDEP		1401/1440/1460 OS Emulator on System/370: Reference, Prog. No. 360C-EU-735 (MFT/MVT); 5744-AH1 (VS)
GY33-7011-0 GN33-7024 GN33-7029	INDEP		1401/1440/1460 OS Emulator on System/370: Logic, Prog. No. 360C-EU-735 (MFT/MVT); 5744-AH1 (VS)
GC33-2009-2 GN33-7040	INDEP		1410/7010 OS Emulator on System/370: Reference, Prog. No. 360C-EU-736 (MFT/MVT); 5744-AG1 (VS)
GY33-7012-0 GN33-7030	INDEP		1410/7010 OS Emulator on System/370: Logic, Prog. No. 360C-EU-736 (MFT/MVT); 5744-AG1 (VS)
GC27-6948-2	INDEP		7074 OS Emulator on System 360/370 Models 155/165 and for VS/370
GY27-7248-0 GN27-1409	INDEP		7074 OS Emulator on System 360/370 Models 155/165 and for VS/370 Logic
<u>36 Control Programs</u>			
GC26-3784-2	N	E	OS/VS Checkpoint/Restart
SY26-3820-0	N	E	OS/VS2 Checkpoint/Restart Logic
SY28-0606-0	N	E	OS/VS2 System Data Areas
SY27-7243-0 SN27-1406	N	E N	OS/VS2 IPL and NIP Logic
GC28-0618-2	E	E	OS/VS JCL Reference
GC28-0617-1 (GQ28-0617-1)	N		OS/VS JCL Services
GC28-0617-2	E	E	
GX28-0619-1	N	E	OS/VS JCL Syntax Reference Summary
SY28-0620-0	N	E	OS/VS2 Job Management Logic
GC24-5091-1	N	E	OS/VS Programmer's Reference Digest

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GC27-6979-1 GN27-1400 GN27-1405	N E N	E E N	OS/VS Supervisor Services and Macro Instructions
SY27-7244-0 SN27-1403	N N	E N	OS/VS2 Supervisor Logic
<u>37 RAS</u>			
GC28-0632-0 GN28-2560	N N	E N	OS/VS2 Debugging Guide
GC28-0636-1	N	E	OS/VS OLTEP
SY28-0637-1	N	E	OS/VS OLTEP Logic
SY27-7239-0 (ST67-7239-0) SN27-1399	E E		
SY27-7239-1 SN27-1407		E N	OS/VS RMS Logic
SY27-7252-0	N	E	OS/VS2 Recovery Management Support Logic
GC28-0633-1 GN28-2540	N E	E E	OS/VS Service Aids
GX28-0634-1	N	E	OS/VS Service Aids Reference Summary
GC38-1006-1 (GQ38-1006-1) GC38-1006-2	N E		OS/VS Message Library: Service Aids and OLTEP Messages
GX38-0690-0	C	E	OS/VS Dynamic Support System Command Language Reference Summary
GC28-0640-0	C	E	OS/VS Dynamic Support System
SY28-0641-0	C	E	OS/VS Dynamic Support System Logic
SY28-0643-0	N	E	OS/VS2 Service Aids Logic
GC28-0638-0 (GT28-0638-0) GC28-0638-1	N E		OS/VS SYS1.LOGREC Error Recording
SY28-0639-0 (ST68-0639-0) SY28-0639-1	N E		OS/VS SYS1.LOGREC Error Recording Logic
<u>39 Time Sharing</u>			
GC28-0644-0	N	E	OS/VS2 TSO Guide
GC28-0646-0 GN28-2537	N C	E E	OS/VS2 Command Language Reference
GX28-0647-0	N	E	OS/VS2 TSO Command Language Reference Summary

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SY28-0651-0	N	E	OS/VS2 TSO Command Processor Logic Volume 1: ACCOUNT
SY33-8548-0	N	E	OS/VS2 TSO Command Processor Logic Volume 2: EDIT
SY35-0004-0	N	E	OS/VS2 TSO Command Processor Logic Volume 3: TEST
SY28-0652-0	N	E	OS/VS2 TSO Command Processor Logic Volume IV
SY28-0649-0	N	E	OS/VS2 TSO Control Program Logic
SY28-0659-0	C	E	OS/VS2 TSO Enhancement Logic
GC38-1009-0 GN28-2559	N	E N	OS/VS Message Library: VS2 TSO Messages
GC38-0220-0	N	E	Operator's Library: OS/VS2 TSO
GC28-6762-1	N	E	OS/MVT and OS/VS2 TSO Terminals
GC28-0645-0	N	E	OS/VS2 TSO Terminal User's Guide
SY28-0650-0	N	E	OS/VS2 TSO Terminal Monitor Program and Service Routines Logic
GC28-0648-0	N	E	OS/VS2 TSO Guide to Writing a Terminal Monitor Program or a Command Processor

40 System Generation

GC38-0120-1 (GQ38-0120-1)	N		Operator's Library: OS/VS Console Configurations
GC38-0120-2	E	E	
GC38-0210-0	N	E	Operator's Library: OS/VS2 Reference
GC38-1004-1 (GQ38-1004-1)	N		OS/VS Message Library: Routing and Description Codes
GC38-1004-2	E	E	
GC38-1008-0 GN28-2558	N	E N	OS/VS Message Library: VS2 System Codes
GC38-1002-0 GN28-2557	N	E N	OS/VS Message Library: VS2 System Messages

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VM/370 (Virtual Machine Facility/370) (20-40)

20 General Information

GC20-1800 IBM VIRTUAL MACHINE FACILITY/370 - INTRODUCTION MANUAL
PROGRAM NUMBER 5749-010
**GX20-1926 IBM VIRTUAL MACHINE FACILITY/370: QUICK GUIDE FOR USERS
REFERENCE SUMMARY - PROGRAM NUMBER 5749

21 Assembler

**GC20-1802 IBM VIRTUAL MACHINE FACILITY/370 ASSEMBLER PROGRAMMER'S
GUIDE

23 BASIC

**GC20-1803 IBM VIRTUAL MACHINE FACILITY/370 BASIC LANGUAGE REFERENCE
MANUAL
**GX20-1924 IBM VIRTUAL MACHINE FACILITY/370: BASIC LANGUAGE REFERENCE
SUMMARY - PROGRAM NUMBER 5749-010

34 System Planning, Generation, Installation, SMF

GC20-1801 IBM VIRTUAL MACHINE FACILITY/370 PLANNING AND SYSTEM
GENERATION GUIDE
**GC20-1811 IBM VIRTUAL MACHINE FACILITY/370: RELEASE 1 GUIDE - PROGRAM
NUMBER 5749-010

36 Control Program

**GC20-1804 IBM VIRTUAL MACHINE FACILITY/370 COMMAND LANGUAGE USER'S
GUIDE - PROGRAM NUMBER 5749-010
**SY20-0880 IBM VIRTUAL MACHINE FACILITY/370 CONTROL PROGRAM (CP)
PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5749-010
**SY20-0881 IBM VIRTUAL MACHINE FACILITY/370 CONVERSATIONAL MONITOR
SYSTEM (CMS) PROGRAM LOGIC - PROGRAM NUMBER 5749-010
**GC20-1805 IBM VIRTUAL MACHINE FACILITY/370 EDIT GUIDE

37 RAS

**GC20-1807 IBM VIRTUAL MACHINE FACILITY/370 PROGRAMMER'S GUIDE TO
DEBUGGING
**GC20-1809 IBM VIRTUAL MACHINE FACILITY/370 OLTSEP AND ERROR RECORDING
GUIDE - PROGRAM NUMBER 5749-010
**SY20-0882 IBM VIRTUAL MACHINE FACILITY/370 SERVICE ROUTINES
PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5749-010

40 System Operation

**GC20-1806 IBM VIRTUAL MACHINE FACILITY/370 OPERATOR'S GUIDE
PROGRAM NUMBER 5749-010
**GC20-1808 IBM VIRTUAL MACHINE FACILITY/370 SYSTEM MESSAGES MANUAL
**GC20-1810 IBM VIRTUAL MACHINE FACILITY/370 TERMINAL USER'S GUIDE
PROGRAM NUMBER 5749-010

RELEASE STATUS

ORDER NO. 21.7 21.6 21.0 20.1 20.0 19 TITLE

20 GENERAL INFORMATION

GC28-6644-6				X	X		SRL Master Index
GT28-6644-5						X	
GC28-6534-4			X	X			Introduction
GT28-6534-2						X	
GN28-2450					X		
GN28-2458				X			
GY28-6717-3					X	X	Master Index PLM
GT68-6717-2						X	
GN28-2447						X	

21 ASSEMBLER

GC28-6514-8			X				Assembler Language
GN33-8154	X						
GT00-0006-0				X	X		
GT28-6514-6						X	
GN33-8072						X	
GC28-6595-2			X	X	X	X	Assembler (E) Programmers Guide
GN33-8084			X	X	X	X	
GC33-4014-0			X	X	X	X	Assembler (E) Installation Guide
GC26-3756-7			X				Assembler (F) Programmer's Guide
GN33-8155	X						
GT00-0003-0				X	X		
GN33-8100				X			
GT26-3756-4						X	
GN33-8075						X	
GY26-3598-0			X	X	X	X	Assembler (32K) PLM
GY26-3700-3	X		X	X	X	X	Assembler (64K) PLM
GN33-8156	X						
GT66-3700-1						X	
GY33-8028						X	

24 COBOL

GC28-6516-8			X	X	X	X	COBOL Language - COBOL (E)
GN28-0266			X	X	X	X	
GN28-0427			X	X	X		
GN28-0465			X				
GC24-5029-4			X	X	X	X	COBOL (E) Programmer's Guide
GC28-6380-4			X	X	X	X	COBOL (F) Programmer's Guide
GC28-6395-2			X	X	X	X	COBOL Differences ANS COBOL Conversion
GC28-6396-3			X				Full American National Standard COBOL
GN28-1002			X				
GT28-6396-2			X	X			
GN28-0428				X	X		
GN28-0439			X				
GN28-0478			X				
GC28-6399-2	X						Full ANS COBOL Programmer's Guide
GT00-0067-0			X	X	X	X	
GN28-0408			X	X	X	X	
GN28-0422			X	X	X		
GN28-0437			X	X			
GN28-0473			X				

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GC28-6400-1			X	X	X	X	Conversion Aids - COBOL to ANS COBOL
GY24-5009-2			X	X	X	X	COBOL (E) PLM
GY33-7007-1			X	X	X	X	COBOL to PL/I Language Conversion for OS PLM
GY28-6382-2			X	X	X	X	COBOL (F) PLM
GY28-6395-1		X	X				American National Standard COBOL
GN28-0499		X					
GT00-0046-0				X	X	X	
GN28-0400				X	X	X	
GN28-0416				X	X		

25 FORTRAN

GC28-6629-2			X	X	X	X	Basic FORTRAN IV Language
GC28-6515-9			X	X	X	X	FORTRAN IV Language
GC28-6430-0			X	X	X	X	FORTRAN IV (E) Compiler Installation Reference Material
GC28-6817-3			X	X	X	X	FORTRAN IV (G) and (H) Programmer's Guide
GC28-6603-3			X	X	X	X	FORTRAN IV (E) Programmer's Guide
GC27-6937-2			X	X	X	X	S/360 and 1130 Disk Monitor System FORTRAN IV Subroutines for Data Transmission between S/360 and a 1130 System
GC28-6819-0			X	X	X	X	Language Handbook for Conversion from 7090/7094 FORTRAN IV
GC28-6818-1			X	X	X	X	FORTRAN IV Library-Mathematical and Service Subprograms
GC33-2002-2			X	X	X	X	Conversion Aids: FORTRAN IV to PL/I Language Conversion Program for OS
GY27-7152-2			X	X	X	X	GSP for FORTRAN IV, COBOL and PL/I PLM
GN27-1334			X				
GY27-7161-0			X	X	X	X	S/360 and 1130 DMS Data Transmission for FORTRAN PLM
GY27-7194			X	X	X	X	
GY28-6601-3			X	X	X	X	FORTRAN IV (E) Compiler PLM
GY28-6638-2			X	X	X	X	FORTRAN IV (G) Compiler PLM
GY28-6642-5			X	X	X	X	FORTRAN IV (H) Compiler PLM
GY28-6831-2			X	X			FORTRAN IV Syntax Checker PLM
GT68-6831-0					X	X	

26 ALGOL

GC33-2000-2			X	X	X	X	Conversion aids - ALGOL TO PL/I Language
GC28-6615-3			X				ALGOL Language
GT00-0013-0				X	X	X	
GC33-4000-3			X				ALGOL Programmer's Guide
GN12-5900			X				
GT00-0037-0				X	X	X	
GN33-8091				X	X		

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GY33-8000-0			X	X	X	X	ALGOL (F) Compiler PLM
GN33-8129			X				
GY33-8001				X	X	X	
GY33-8003				X	X	X	
GY33-7006-0			X	X	X	X	ALGOL to PL/I Language Conversion for OS PLM

28 RPG

GC24-3337-5			X	X	X	X	Report Program Generator Program
GN21-5204			X				
GY26-3704-0			X	X	X	X	RPG - PLM
GY21-0006			X	X	X	X	
GY21-0011			X	X	X	X	

29 PL/I

GC28-6590-2			X	X	X	X	PL/I Subroutine Lib. Computational Subroutines
GC28-6594-8	X		X	X	X	X	PL/I (F) Programmer's Guide
GC28-8201-4			X	X	X	X	PL/I (F) Language Reference Manual
GY28-6800-5			X	X	X	X	PL/I (F) Compiler PLM
GY28-6801-6			X	X	X	X	PL/I Subroutine Library PLM
GY33-8009-1			X	X	X	X	PL/I Syntax Checker PLM

30 ACCESS METHODS, DATA MANAGEMENT, I/O CONTROL PROGRAMS

GY28-6617-6			X				Basic Direct Access Methods PLM
GT00-0054-0				X			
GT68-6617-4					X	X	
GN26-8007					X		
GY28-6606-3			X				Catalog Mgmt PLM
GT00-0049-0				X	X	X	
GN26-8006				X	X		
GY35-0002				X			
GY35-0007						X	
GC26-3794-0			X				OS Data Management Macro Instructions
GC26-3746-1				X			Data Management Services
GT00-0002-0				X	X		
GN26-0624				X			
GN26-0631				X			
GC28-6550-11	X						Data Management for System Programmers
GT00-0117		X					
GN26-0750			X				
GY28-6607-8				X			Direct Access Device Space Mgmt PLM
GT00-0050-0				X			
GT68-6607-6					X	X	
GN26-8012					X		
GC27-6933-3			X	X	X	X	User's Guide for Job Control from the IBM 2250
GN27-1371			X				
GC27-6938-1			X	X	X	X	S/360 & 1130 Disk Monitor System: User's Guide
GN27-1315			X	X	X	X	for Job Control from a 2250 Display Unit attached
GN27-1330			X	X	X	X	to an 1130 System with a fixed number of Tasks MFT
GN27-1370			X				

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GY27-7113-6 GT00-0040-0			X	X	X	X	Graphic Access Method PLM
GY27-7110-1			X	X	X	X	Graphics Problem Oriented Routines PLM
GC27-6909-6			X	X	X	X	Graphic Programming Services for 2250
GC27-6912-8 GT00-0004-0			X	X	X	X	Graphic Programming Services for 2260 Display Station (Local Attachment)
GC27-6927-1			X	X	X	X	GPS for 2280 & 2282 File Units
GC27-6932-4			X	X	X	X	GPS for FORTRAN IV, COBOL and PL/I
GY28-6618-5 GT00-0055-0 GT68-6618-3 GN26-8001			X	X	X	X	Indexed Sequential Access Methods PLM
GY28-6616-9 GN26-8036 GT00-0053-0 GT68-6616-7 GN26-8013	X		X	X	X	X	Input/Output Suprv. PLM
GY28-6609-6 GT00-0051-0 GN26-8015 GT68-6609-4			X	X	X	X	S/360 Input/Output Support Open/Close/EOV PLM
GY28-6604-5 GT00-0048-0 GT68-6604-3 GN26-8009			X	X	X	X	Sequential Access Method PLM
GC28-6680-5 GQ28-6680-4 GT00-0019-0 GN26-0625 GT28-6680-2	X	X		X	X	X	Tape Labels
GC30-2004-7 GN27-1420	X X						BTAM
GY30-2001-6 GT00-0069-0 GY30-2552 GY30-2564		X	X	X	X	X	BTAM PLM
GC30-2005-3 GT30-2005-2 GN30-2526			X	X	X	X	QTAM Message Control Program
GC30-2003-4			X	X	X	X	QTAM Message Processing Programs
GY30-2002-3			X	X	X	X	QTAM PLM
GC30-2022-1 GN30-2575 GT00-0076-0 GN30-2561		X X	X	X	X		TCAM Concepts & Facilities
GC30-1007-0 GC30-2024-3 GT00-0070-0 GN30-2573 GT00-0035 GT30-2024-0 GN30-2558		X X	X	X	X		MFT/MVT TCAM Level 4 Component Release Guide TCAM Programmer's Guide and Reference Manual
GC30-2028-1			X	X	X		Planning for TCAM with the 3705 Communications Controller
GY30-2029-3		X	X				TCAM PLM

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GT00-0065-0 GY30-2566			X X	X			
GY30-2027-0			X	X	X		TCAM Serviceability Aids PLM
GC30-2025-1 GT30-2025-0	X		X				TCAM User's Guide
GC30-2026-1 GN30-3008			X X	X	X		OS Conversion Guide from QTAM or BTAM to TCAM
GC26-5929-7			X	X	X	X	1130 Subroutine Library
GC21-5004-2 GN21-5147 GN21-7658			X				IBM 1285, 1287, and 1288 Optical Readers
GT00-0001-0 GN21-5124 GN21-5154				X X X	X X	X X	Data Management Macros & Services
GY21-0013-1 GN21-5169 GN21-7659			X X X				1285, 1287, 1288 Optical Readers PLM
GT00-0039-0 GN21-5123 GN21-5136 GN21-5155				X X X X	X X X	X X	
GC21-5006-3			X	X	X	X	IBM 1419/1275 Data Management Macro Instructions and Services
GY21-0012-1 GN26-8026 GN26-8034			X X X	X	X	X	1419 Magnetic Character Reader & 1275 Optical Reader/Sorter Device Dependent BASM - PLM

31 SUPPORT PROGRAMS

GC27-6918-3			X	X	X	X	Maintenance Program
GC28-6429-0			X	X	X	X	Linkage Editor (E) IRM
GC28-6538-9 GN26-0761			X X				Linkage Editor and Loader
GT00-0007-0 GN28-0272 GN28-0423 GN28-0435 GN28-0474				X X X X	X X X	X X	
GY27-7155-3			X	X	X	X	Machine Check Handler for S/360 Model 65 PLM
GY27-7184-2 GT67-7184-0 GN27-1332			X	X	X	X X	Machine Check Handler for S/360 Model 85 PLM
GY27-7198-2 GT00-0119-0 GT00-0042-0	X	X		X	X		Machine Check Handler for S/370 Models 155, 165 PLM
GY27-7237-1 GT00-0045-0			X	X			OS Machine Check Handler for S/370 Models 135 and 145
GY28-6610-2 GY28-2301 GY28-2356 GY28-6400			X X X X	X X X X	X X X X	X X	Linkage Editor (E) PLM
GY28-6667-2 GT00-0060-0 GN28-0434 GT68-6667-0			X	X X	X	X	Linkage Editor (F) PLM

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GY28-2357						X	
GY28-6401						X	
GY28-6404						X	
GY28-6714-2			X	X	X		Loader PLM
GT68-6714-0						X	
GY28-2401						X	
GY28-6405						X	
GY28-7106-0			X	X	X	X	Update Analysis Program PLM

32 UTILITIES

GC28-6586-15	λ						Utilities
GT00-0123-0		X					
GT00-0012-0				X	X		
GN35-0001				X			
GN35-0003				X			
GT28-6586-11						X	
GT00-0066-0 (PCP only)						X	PCP Only
GY28-6614-8			X				Utilities PLM
GN35-0009	X						
GT00-0052-0				X	X		
GY35-0001				X			
GT68-6614-6						X	
GY35-0006						X	

33 SORT/MERGE

GC28-6543-8			X				Sort/Merge
GT00-0008-0				X	X		
GN33-8096				X			
GT28-6543-5						X	
GN33-8054						X	
GN33-8070						X	
GC28-6662-1			X	X	X	X	Sort/Merge Timing Estimates
GY28-6597-4			X				Sort/Merge PLM
GN33-8164			X				
GT00-0047-0				X	X	X	
GY33-8030				X	X	X	

34 SYSTEM PLANNING, GENERATION, INSTALLATION, SMF

GC27-6939-10			X				MFT Guide
GN28-2546	X						
GT00-0005-0				X			
GQ27-6939-8					X		
GC28-6551-16	λ						Storage Estimates
GT00-0010-0		X	X				
GT00-0010-0				X			
GN28-2495				X			
GN28-2499				X			
GQ28-6551-12					X		
GN28-2455					X		
GT28-6551-11						X	
GN28-2438						X	
GC28-6554-12	λ						System Generation
GQ28-6554-11		X					
GN26-0637			X				
GT00-0011-0				X	X		
GN26-0627				X			

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GN26-0629				X	X		
GN26-0634				X			
GN26-0635				X			
GT28-6554-9						X	
GN26-0613						X	
GN26-0628						X	
GN28-2439						X	
GC28-6712-7		X					Systems Management Facilities
GT28-6712-6							
GT00-0024-0				X			
GN35-0002				X			
GC28-6716-0			X	X	X	X	Feature Guide
GN28-2449				X			
GC28-6720-4			X				MVT Guide
GN28-2553	X						
GT00-0026-0				X			
GQ28-6720-2					X		
GN28-2460				X			
GC28-6730-5	X						Release 21.7 Guide
GT00-0122		X					Release 21.6 Guide
GT00-0071-0			X				Release 21.0 Guide
GT00-0072-0			X				
GN28-2530			X				
GN28-2532			X				
GT00-0027-0				X			Release 20.1 Guide
GN28-2496				X			
GN28-2498				X			
GN28-2514				X			
GN28-2516				X			
GT28-6730-0					X		Release 20 Guide
GN28-2465					X		
GC28-6733-1						X	Release 19 Guide
GN28-2432						X	
GN28-2434						X	
GN28-2453						X	
GN28-2466						X	
GN28-2449						X	

36 CONTROL PROGRAM

GC27-6942-2			X	X	X	X	Intro to Main Storage Hierarchy Support for 2361 Models 1 & 2
GC28-6628-9	X						System Control Blocks
GT00-0114-0		X					
GT00-0014-0				X			
GQ28-6628-6					X		
GN28-2464					X		
GT28-6628-5						X	
GC28-6646-6			X				Supervisor Services and Macro Instructions
GN27-1419	X						
GT00-0016-0				X			
GQ28-6646-4					X		
GN27-1350					X		
GT28-6646-3						X	
GC28-6647-5				X	X		Supervisor & Data Mgmt Macro Instructions
GN26-0622				X			
GN26-0630				X			
GT28-6647-4						X	
GC28-6670-6	X						Programmer's Guide to Debugging
GN28-2545	X						
GT00-0018-0				X	X		
GN28-2457				X			

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GN28-2472				X			
GT28-6670-3						X	
GC28-6703-2				X			Job Control Language User's Guide
GT00-0077		X					
GQ28-6703-1					X		
GT28-6703-0						X	
GC28-6704-3	X						Job Control Language Reference
GT00-0115		X					
GT00-0022-0				X			
GT28-6704-0					X	X	
GN28-2451					X		
GC28-6708-4				X			Advanced Checkpoint/Restart
GT00-0023-0				X	X	X	
GN26-0620				X	X		
GN26-0623				X			
GT00-0009-0				X			System Programmer's Guide
GN28-2494				X			
GT28-6550-8					X	X	
GN28-2437					X	X	
GN28-2452					X		
GN28-2456				X			
GY27-7128-7			X				Job Management with MFT, PLM
GT00-0041-0				X	X		
GN28-2468				X			
GY27-7159-1			X	X	X	X	Graphic Job Processor Support PLM
GY27-7166-0			X	X	X	X	S/360 & 1130 Disk Monitor System Job Processing
GY27-7192			X	X	X	X	from a remote 1130/2250 Subsystem PLM
GY27-7236-2	X						MFT Supervisor PLM
GT00-0120-0		X					
GN27-1378			X				
GT00-0044-0				X	X		
GN27-1349				X			
GN27-1364				X			
GY28-6605-5						X	Introduction to Control PLM
GY28-6612-5						X	PCP Supervisor PLM
GY28-6613-5						X	PCP Job Management PLM
GY28-6659-7	X						MVT Supervisor PLM
GT00-0121-0		X					
GN27-1379			X				
GT00-0057-0				X	X		
GN27-1354				X			
GN27-1363				X			
GY28-6660-9			X				MVT Job Management PLM
GN28-2551	X						
GT00-0058-0				X			
GQ68-6660-6					X		
GY28-6661-5			X				IPL and NIP PLM
GN27-1404	X						
GT00-0059-0				X	X		
GN27-1344				X			
GN27-1353				X			
GT68-6661-3						X	
GX28-6783-0			X				Job Control Language Syntax Ref Summary

37 RAS

GC27-6970-0			X				OS Problem Determ. Aids & Msgs/Codes for GPS & GSP
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GC28-6648-1				X	X	X	TESTRAN
GC28-6650-6			X				On-line Test Executive Program
GN28-2549-0	X						
GT00-0017-0				X			
GQ28-6650-4					X		
GT28-6650-3						X	
GC28-6719-2			X				Service Aids
GN28-2552	X						
GT00-0025-0				X	X		
GN28-2478				X			
GT28-6719-0						X	
GC28-6747-3							Reliability Data Extractor (RDE) Guide
GT28-6747-2		X	X				
GT00-0029-0				x			
GX28-6749-3			X				Service Aids - Reference Card
GT00-0038-0				X			
GY28-6611-1				X	X	X	TESTRAN PLM
GC26-3796-0			X				TESTRAN System Information
GY28-6651-5			X				Online Test Executive Program PLM
GN28-2550	X						
GT00-0056-0				X			
GT68-6651-2						X	
GY28-6721-0			X				Service Aids Logic
GN28-2554	X						
<u>38 REMOTE JOB ENTRY</u>							
GC30-2006-5		X	X				Remote Job Entry
GN28-0602		X					
GN28-0611	X						
GT00-0032-0				X	X	X	
GN30-2543				X	X		
GN30-2547				X	X		
GN30-2555				X			
GC30-2012-1			X				Conversational RJE Concepts & Facilities
GN28-0596			X				
GT00-0033-0				X	X	X	
GC30-2014-1			X				Conversational RJE Terminal User's Guide
GN28-0597			X				
GN28-0612	X						
GT00-0034-0				X	X	X	
GN30-2549				X	X		
GC30-2016-1			X				Conversational RJE System Programmer's Guide
GN28-0598			X				
GN28-0613	X						
GT00-0035-0				X	X	X	
GN30-2548				X	X		
GY30-2005-4			X	X	X	X	RJE PLM
GY30-2542			X	X	X		
GY30-2557			X				
GY30-2011-1			X				Conversational RJE PLM
GN28-0599			X				
GN28-0614	X						
GT00-0062-0				X	X	X	
GY30-2550				X	X		
GY30-2553				X	X		

RELEASE STATUS

<u>ORDER NO.</u>	<u>21.7</u>	<u>21.6</u>	<u>21.0</u>	<u>20.1</u>	<u>20.0</u>	<u>19</u>	<u>TITLE</u>
<u>39 TIME SHARING</u>							
GC28-6698-6							TSO Guide
GT00-0111-5		X	X				
GT00-0021-0				X			
GN28-2497				X			
GN28-2502				X			
GT28-6698-2				X			
GX28-6781-1		X					TSO Command Language Reference Summary
GC28-6732-4	X						TSO Command Language Reference
GT00-0112-0		X	X				
GT00-0028-0				X			
GN28-2480				X			
GN28-2503				X			
GY28-6771-0			X	X			TSO Command Processor PLM, Vol 1
GN28-2489			X	X			
GY28-6772-1			X	X			TSO Command Processor PLM, Vol 2
GY28-6773-1			X				TSO Command Processor PLM, Vol 3
GT00-0063-0				X			
GN28-2485				X			
GY28-6774-1			X	X			TSO Command Processor PLM, Vol 4
GY28-6775-1			X	X			TSO Command Processor PLM, Vol 5
GY28-6776-0			X	X			TSO Command Processor PLM, Vol 6
GN28-2492			X	X			
GY28-6777-1			X	X			TSO Command Processor PLM, Vol 7
GY27-7199-2		X	X				TSO Control Program PLM
GN27-1377		X					
GN27-1388		X					
GT00-0043-0				X			
GC28-6764-2		X					TSO Guide to Writing a Terminal Monitor
GT00-0073-0		X					Program or a Command Processor
GN28-2523			X				
GT00-0031-0				X			
GN28-2484				X			
GY28-6770-2		X	X				TSO Terminal Monitor Program and
GT00-0074-0			X				Service Routines PLM
GN28-2524			X				
GT00-0061-0			X				
GC28-6762-1			X	X			TSO Terminals
GT28-6762-0			X	X			
GN28-2487			X	X			
GC28-6763-2			X				TSO Terminal User's Guide
GN28-2555	X						
GT00-0030-0				X			
GN28-2483				X			
<u>40 SYSTEM OPERATION</u>							
GC27-6949-2	X						Operator's Guide for Display Consoles
GT27-6949-1			X				
GN27-1374			X				
GT00-0064-0				X	X	X	
GN27-1356				X	X		
GN27-1362				X	X		
GC28-6691-3			X				Operator's Reference
GN28-2544	X						Messages and Codes
GT00-0020-0				X	X		
GN28-2463				X			

RELEASE STATUS

<u>ORDER NO.</u>	<u>21.7</u>	<u>21.6</u>	<u>21.0</u>	<u>20.1</u>	<u>20.0</u>	<u>19</u>	<u>TITLE</u>
GN28-2473				X			
GN28-2500				X			
GT28-6691-1						X	
GN28-2433						X	
GN28-2444						X	
GC28-6692-2	X		X	X	X	X	Operator's Procedures
GC28-6631-13	X						
GT00-0116-0			X				
GT00-0015-0				X			
GN28-2501				X			
GQ28-6631-10					X		
GN28-2461				X			
GT28-6631-9						X	
GN28-2429						X	
GN28-2440						X	

OS - RELEASE INDEPENDENT PUBLICATIONS (20-40)

ASP (Attached Support Processor/Asymmetric Multiprocessing System)

36 Control Program

GH20-0322 IBM SYSTEM/360 AND SYSTEM/370 ATTACHED SUPPORT PROCESSOR SYSTEM (ASP) VERSION 2, APPLICATION PROGRAMMER'S MANUAL PROGRAM NUMBER 360A-CX-15X

GH20-0321 IBM SYSTEM/360 AND SYSTEM/370 ATTACHED SUPPORT PROCESSOR SYSTEM (ASP) VERSION 2 CONSOLE OPERATOR'S MANUAL PROGRAM NUMBER 360A-CX-15X

GH20-0323 IBM SYSTEM/360 AND SYSTEM/370 ATTACHED SUPPORT PROCESSOR SYSTEM (ASP) VERSION 2, SYSTEM PROGRAMMER'S MANUAL PROGRAM NUMBER 360A-CX-15X

GX20-1827 SYSTEM/360/370 ASP REFERENCE CARD, PROGRAM NUMBER 360A-CX-15X

GY20-0305 IBM SYSTEM/360 AND SYSTEM/370 ATTACHED SUPPORT PROCESSOR SYSTEM (ASP) VERSION 2 SYSTEM MANUAL PROGRAM NUMBER 360A-CX-15X

GT60-0305 SYSTEM/360 ATTACHED SUPPORT PROCESSOR SYSTEM (ASP) VERSION 2 SYSTEM MANUAL PROGRAM NUMBER 360A-CX-15X

GH20-1173 IBM SYSTEM/360 AND SYSTEM/370 ASP VERSION 3 ASYMMETRIC MULTI PROCESSING SYSTEM: GENERAL INFORMATION MANUAL, PROG. NO. 360A-CX-15X

**GH20-1289 ASYMMETRIC MULTIPROCESSING SYSTEM - OPERATIONS MANUAL PROGRAM NUMBER 360A-CX-15X

**GH20-1290 SYMMETRIC MULTIPROCESSING SYSTEM - MESSAGES AND CODES MANUAL PROGRAM NUMBER 360A-CX-15X

**GH20-1291 ASYMMETRIC MULTIPROCESSING SYSTEM - APPLICATION PROGRAMMER'S MANUAL - PROGRAM NUMBER 360A-CX-15X

**GH20-1292 IBM SYSTEM/360 AND SYSTEM/370 ASP VERSION 3 ASYMMETRIC MULTIPROCESSING SYSTEM - SYSTEM PROGRAMMER'S MANUAL PROG. NO. 360A-CX-15X

**GX20-1927 ASP VERSION 3 ASYMMETRIC MULTIPROCESSING SYSTEM - HANDBOOK PROGRAM NUMBER 360A-CX-15X

**GC27-6992 OS/VS2 HASP II VERSION 4 - SYSTEMS PROGRAMMER'S GUIDE PROGRAM NUMBER 370H-TX-001

**GC27-6993 OS/VS2, HASP II VERSION 4 OPERATOR'S GUIDE PROG. NO. 370H-TX-001

**GY27-7255 OS/VS2 HASP II VERSION 4 LOGIC PROGRAM NUMBER 370H-TX-001

**GYB0-0856 S/370 HASP II VERSION 4 MICROFICHE - PROGRAM NUMBER 370H-TX-001

CALL-OS

20 General Information

GH20-0673 CALL/360-OS SYSTEM DESCRIPTION MANUAL, PROGRAM NUMBER 360A-CX-42X

23 BASIC

GH20-0699 CALL-OS BASIC LANGUAGE REFERENCE MANUAL - PROGRAM NUMBER
360A-CX-44X
GX20-1811 CALL/360-OS BASIC REFERENCE CARD PROGRAM NUMBER 360A-CX-42X
GY20-0530 CALL/360 - OS BASIC SYSTEM MANUAL
PROGRAM NUMBER 360A-CX-42X

25 FORTRAN

GX20-1812 CALL/360-OS FORTRAN REFERENCE CARD PROGRAM NUMBER
360A-CX-42X
GY20-0531 CALL/360-OS FORTRAN SYSTEM MANUAL PROGRAM NUMBER 360A-CX-42X

29 PL/I

GH20-0700 CALL/360-OS PL/I LANGUAGE REFERENCE MANUAL
GX20-1810 CALL/360-OS PL/I REFERENCE CARD PROGRAM NUMBER 360A-CX-42X
GY20-0567 CALL-OS PL/I SYSTEM MANUAL VOLUME I
GY20-0568 CALL/360-OS PL/I SYSTEM MANUAL VOLUME II
GY20-0569 CALL/360-OS PL/I SYSTEM MANUAL VOLUME III
PROGRAM NUMBER 360A-CX-42X
GY20-0570 CALL/360 OS PL/I SYSTEM MANUAL VOLUME 4

32 Utilities

**GY20-0795 CALL-OS EXECUTIVE AND UTILITIES SYSTEM MANUAL VOLUME 1
PROGRAM NUMBER 360A-CX-42X
**GY20-0796 CALL-OS EXECUTIVE AND UTILITIES SYSTEM MANUAL - VOLUME 2
PROGRAM NUMBER 360A-CX-42X
**GY20-0797 CALL-OS EXECUTIVE AND UTILITIES SYSTEM MANUAL VOLUME 3
PROGRAM NUMBER 360A-CX-42X
**GY20-0798 CALL-OS EXECUTIVE AND UTILITIES SYSTEM MANUAL VOLUME 4
PROGRAM NUMBER 360A-CX-42X

34 System Planning, Generation, Installation, SMF

GH20-0786 CALL/360-OS EXECUTIVE AND UTILITIES PROGRAM DESCRIPTION
MANUAL (PROGRAM NUMBER 360A-CX-42X)

40 System Operation

GH20-0788 CALL/360-OS OPERATOR'S MANUAL PROGRAM NUMBER 360A-CX-42X
GT40-0788 CALL/360-OS TERMINAL OPERATIONS MANUAL PROGRAM NUMBER
360A-CX-42X
GH20-0787 CALL-OS TERMINAL OPERATIONS MANUAL
PROGRAM NUMBER 360A-CX-42X
GX20-1830 CALL-OS TERMINAL COMMAND LANGUAGE - REFERENCE CARD
PROGRAM NUMBER 360A-CX-42X

REAL TIME MONITOR

36 Control Program

GH20-0824 INTRODUCTION TO THE REAL-TIME MONITOR
GH20-0876 THE REAL-TIME MONITOR (RTM) PROGRAM DESCRIPTION MANUAL,
PROGRAM NUMBER 360A-SV-001
GH20-0877 The REAL-TIME MONITOR (RTM), PROGRAM NUMBER 360A-SV-001
OPERATIONS AND PROGRAMMER'S GUIDE
GY20-0599 THE REAL-TIME MONITOR (RTM) SYSTEM MANUAL,
PROGRAM NUMBER 360A-SV-001

OTHER

20 General Information

GX28-6731 OPERATING SYSTEM SUMMARY CHART
S229-3169 SYSTEM/360 OPERATING SYSTEM HANDBOOK

21 Assembler

**GC30-3003 IBM 3705 COMMUNICATIONS CONTROLLER ASSEMBLER LANGUAGE
MANUAL - PROGRAM NUMBERS 360H-TX-035 (OS), 360H-TX-036 (DOS)

25 FORTRAN

GC28-6596 IBM SYSTEM/360 FORTRAN IV LIBRARY SUBPROGRAMS
PROG. NOS. 360S-LM-501, 360F-LM-619, 360N-LM-480

29 PL/I

GX33-6000 IBM SYSTEM/360 OPERATING SYSTEM PL/I (F)
REFERENCE CARD: KEYWORDS

30 Access Methods, Data Management, I/O Control Programs

GC27-6975 IBM 2260 BTAM AND 2260 GAM TO IBM 3270 BTAM CONVERSION
GUIDE - PROGRAM NUMBERS 360S-CQ-513, 360N-CQ-469
GC21-5008 IBM SYSTEM/360 OPERATING SYSTEM PLANNING FOR THE
IBM 3211 PRINTER DATA MANAGEMENT MACRO INSTRUCTIONS AND
SERVICES
**GC27-6999 AN INTRODUCTION TO PROGRAMMING THE IBM 3270
GC21-5027 IBM SYSTEM/360 OS PROGRAM PLANNING GUIDE FOR IBM 3505 CARD
READER AND IBM 3525 CARD PUNCH ON IBM SYSTEM/370
GC30-3000 IBM 3705 COMMUNICATIONS CONTROLLER NETWORK PROGRAM
GENERATION AND UTILITIES GUIDE AND REFERENCE MANUAL
**GC30-3006 IBM 3705 COMMUNICATIONS CONTROLLER NETWORK CONTROL PROGRAM
STORAGE AND PERFORMANCE ESTIMATES - PROG. NO. 360H-TX-034
**SY30-3003 IBM 3705 COMMUNICATIONS CONTROLLER NETWORK CONTROL PROGRAM
PLM
**GC30-3001 IBM 3735 PROGRAMMER'S GUIDE (OS, DOS, AND VS SYSTEMS)

32 Utilities

**GY30-3000 IBM 3735 PROGRAMMABLE BUFFERED TERMINAL FORM DESCRIPTION
MACRO INSTRUCTIONS AND FORM DESCRIPTION UTILITY
PROGRAM LOGIC MANUAL (OS, DOS, AND VS SYSTEMS)

35 Simulation or Emulation

GC26-3777 EMULATING DOS ON SYSTEM/370 UNDER OS
GY26-3741 DOS EMULATOR LOGIC (ON IBM SYSTEM/370 UNDER OS), PROG. NO.
360C-EU-738 (FOR MFT/MVT), 5744-AS1 (FOR VS)
GC33-2008 1401/1440/1460 OS EMULATOR ON SYSTEM/370 REFERENCE - PROGRAM
NO. 360C-EU-735 (MFT/MVT); 5744-AH1 (VS)
GY33-7011 1401/1440/1460 OS EMULATOR ON SYSTEM/370 LOGIC - PROGRAM
NUMBERS 5744-AH1 AND 360C-EU-735
GC33-2009 1410/7010 EMULATOR ON SYSTEM/370 145/155 - REFERENCE, PROG.
NOS. 360C-EU-736 AND 5744-AG1
GY33-7012 1410/7010 OS EMULATOR ON SYSTEM/370 LOGIC - PROGRAM NUMBERS
5744-AG1 AND 360C-EU-736
GC30-3002 IBM 3705 COMMUNICATIONS CONTROLLED EMULATION PROGRAM
GENERATION AND UTILITIES, GUIDE AND REFERENCE MANUAL
PROGRAM NUMBERS 360H-TX-033, 035, 036; 5735-SC1; 5744-AN1
**GC30-3005 IBM 3705 COMMUNICATIONS CONTROLLER EMULATION PROGRAM STORAGE
AND PERFORMANCE REFERENCE MANUAL
**SY30-3001 IBM 3705 COMMUNICATIONS CONTROLLER EMULATION PROGRAM
PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360H-TX-033
GC27-6948 EMULATING THE IBM 7074 ON THE IBM SYSTEM/370 MODEL 165
USING OS/360
GY27-7228 PROGRAM TO EMULATE THE IBM 7074 ON THE IBM SYSTEM/370
MODEL 165 USING OS/360 - PROGRAM NUMBER 360C-EU-739
LOGIC MANUAL
GY27-7238 IBM 7074 OPERATING SYSTEM EMULATOR ON SYSTEM/370 MODEL 155
LOGIC MANUAL - PROGRAM NUMBER 360C-EU-741
GC27-6952 EMULATING THE IBM 7080 ON THE IBM SYSTEM/370 MODEL 165
USING OS/360 - PROGRAM NUMBER 360C-EU-737
GY27-7229 PROGRAM TO EMULATE THE IBM 7080 ON THE IBM SYSTEM/370
MODEL 165 USING OS/360 - PROGRAM NUMBER 360C-EU-737
GC27-6951 EMULATING THE IBM 7094 ON IBM MODELS 85 AND 165 USING OS/360
PROG. NO. 360C-EU-734 (FOR MOD 85), 360C-EU-740 (FOR MOD 165)
GY27-7187 EMULATOR PROGRAM TO EMULATE THE 7094 ON MODELS 65 AND 165
USING OS/360 - PROGRAM NUMBERS 360C-EU-734, 360C-EU-740

36 Control Program

**GH20-1171 SYSTEM/370 DISTRIBUTED SYSTEM PROGRAM (S/370 DSP) GENERAL
INFORMATION MANUAL, PROG. NO. 360A-TX-032
**GH20-1058 RESOURCE SECURITY (FOR OS/MVT)-GENERAL INFORMATION AND
PLANNING MANUAL, PROG. NO. 360A-SV-007
**GH20-1021 OS/MVT WITH RESOURCE SECURITY INSTALLATION AND SYSTEM
PROGRAMMERS GUIDE - PROGRAM NUMBER 360A-SV-007
**GH20-1057 OS/MVT WITH RESOURCE SECURITY, SECURITY OFFICER'S GUIDE
PROGRAM NUMBER 360A-SV-007
**GY20-0738 OS/MVT WITH RESOURCE SECURITY - LOGIC MANUAL
PROGRAM NUMBER 360A-SV-007 TYPE 1 EXTENSION
GC27-6935 IBM SYSTEM/360 OPERATING SYSTEM PLANNING FOR ROLLOUT/ROLLIN

38 Remote Job Entry

GC30-2015 IBM SYSTEM/360 OPERATING SYSTEM REMOTE JOB ENTRY -
PLANNING FOR IBM 2770 RJE SUPPORT

<u>ORDER NO./TNL'S</u>	<u>27</u>	<u>RELEASE</u> <u>DOS/VS</u>	<u>TITLE</u>
<u>07 DASD (DIRECT ACCESS STORAGE DEVICES), CONTROL UNITS</u>			
GC21-5072-1		N	DOS/VS System Information for IBM 3540 Diskette Input/Output Unit
<u>20 GENERAL INFORMATION</u>			
GC33-5007-0		N	DOS Version 4
GN33-8722			
GC33-5370-1		N	Introduction to DOS/VS
<u>21 ASSEMBLER</u>			
GC33-4010-1		N	OS/VS and DOS/VS Assembler Language
GC33-4010-0		N	
GN33-8145			
GN33-8148			
GN33-8160			
<u>29 PL/I</u>			
GC24-9005-6		N	DOS and TOS PL/I (D) Compiler Programmer's Guide
GN33-9124			
GN33-9129			
GN33-9130			
<u>30 ACCESS METHODS, DATA MANAGEMENT, I/O CONTROL PROGRAMS</u>			
GC33-5372-0		N	DOS/VS Data Management Guide
GN33-8752			
GY33-8543-0		N	DOS Version 4 LIOCS Volume 1 PLM
GN33-8732			
GY33-8544-0		N	DOS Version 4 LIOCS Volume 2 PLM
GN33-8733			
GY33-8545-0		N	DOS Version 4 LIOCS Volume 3 PLM
GN33-8734			
GY33-8546-0		N	DOS Version 4 LIOCS Volume 4 PLM
GC27-6978-1		E	DOS Version 4 Basic Telecommunications Access Method (BTAM)
GY27-7245-1		E	DOS Version 4 BTAM: PLM, Prog. No. 370N-CQ-469
GC27-6987-1		N	Introduction to VTAM (Virtual Telecommunications Access Method)
GN27-1416			
GC27-6995-0		N	VTAM Application Programmer's Reference Manual
GC21-5059-0		N	DOS/VS Program Planning Guide for IBM 3886 Optical Character Reader Model 1
<u>31 SUPPORT PROGRAMS</u>			
GY33-8538-0		N	DOS Version 4 Linkage Editor PLM
GN33-8729			
<u>32 UTILITIES</u>			
GY33-8547-0		N	DOS Version 4 System Utilities PLM
<u>34 SYSTEM PLANNING, GENERATION, INSTALLATION, SMF</u>			
GC33-5008-0		N	DOS Version 4 System Generation
GN33-8723			
GC33-5401-0		N	Planning Guide for DOS/VS System Enhancements
GC33-5371-0		N	DOS/VS System Management Guide
GC33-5402-1		N	DOS/VS Planning Guide for Programming The System/370 Model 115 and The IBM 5203 and 3203 Printers
GN33-9139		N	
GC33-5400-0		N	DOS/VS Prog. Planning Guide for 3340 DASD, RPS and Block Multiplex Channel Support

<u>ORDER NO./TNLS</u>	<u>27</u>	<u>RELEASE</u> <u>DOS/VS</u>	<u>TITLE</u>
35 SIMULATION OR EMULATION			
SY33-7010-0 SN33-7038	N		Model 20 Emulator on System/370 using DOS: Logic, Prog. No. 370N-IC-002
GC33-2004-2	E		1401/1440/1460 DOS Emulator on Models 135/145/155 Reference
GY33-7008-0 GN33-7019 GN33-7022	N		1401/1440/1460 DOS Emulator on Models 135/145/155 Logic, Prog. No. 370N-EU-490
GC33-2005-2	N		1410/7010 DOS Emulator on Models 145/155 Reference
GY33-7009-0 GN33-7020 GN33-7023	N		1410/7010 DOS Emulator on Models 145/155 Logic
GC33-2010-0		N	Model 20 Emulator on System/370 using DOS & DOS/VS Planning Guide
GC33-2006-3	E		Model 20 Emulator on System/370
36 CONTROL PROGRAM			
GY33-8533-0	N		Introduction to DOS Version 4 Logic PLM
GY33-8542-0 GN33-8731 GN33-8751	N		DOS Version 4 IPL and JOB Control - PLM
GY33-8539-0	N		DOS Version 4 Librarian Maintenance and Service Programs PLM
GY33-8532-0 GN33-8725	N		DOS Version 4 Logical Transients PLM
GY33-8534-0 GN33-8727 GN33-8755	N		DOS Version 4 Supervisor and Related Transients PLM
GY33-8537-0 GN33-8728	N		DOS Version 4 System Service Programs PLM
GC33-5373-0		N	DOS/VS Supervisor and I/O Macros
37 RAS			
GC24-5086-3 GN28-2536	N		DOS OLTEP
GY24-5154-3	N		DOS OLTEP Logic
40 SYSTEM OPERATION			
GC33-5009-1	N		DOS Version 4 Messages

N: New for this release.
E: Existing book, initially issued for other than this release;
also applies to this release.
C: Issued for a component release that can be added to this release.

DOS (Disk Operating System) for System/360 and System/370 (20-40)
NOTE: The following publications pertain to DOS Release 26;
generally applicable DOS publications are also included.

20 General Information

GC24-5030 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS
CONCEPTS AND FACILITIES
GC24-5063 DOS MASTER INDEX

21 Assembler

GC24-3414 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEM
ASSEMBLER LANGUAGE
GY26-3642 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS ASSEMBLER (D)
PROGRAM NUMBER 360M/N-AS-465

GY26-3716 IBM SYSTEM/360 DISK OPERATING SYSTEM ASSEMBLER (F)
PROGRAM NUMBER 360N-AS-466
**GC30-3003 IBM 3705 COMMUNICATIONS CONTROLLER ASSEMBLER LANGUAGE
MANUAL - PROGRAM NUMBERS 360H-TX-035 (OS), 360H-TX-036 (DOS)

24 COBOL

GC24-3433 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS
COBOL LANGUAGE SPECIFICATIONS COBOL DOS PROGRAM NUMBER
360N-CB-452 COBOL TOS PROGRAM NUMBER 360M-CB-402
GC24-5025 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS COBOL
PROGRAMMER'S GUIDE
PROGRAM NUMBERS 360N-CB-452 360M-CB-402
GY24-5025 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS COBOL D
PROGRAM LOGIC MANUAL, PROG. NOS. 360M-CB-402, 360N-CB-452
GC24-5039 IBM SYSTEM/360 DISK OPERATING SYSTEM COBOL DASD MACROS
PROGRAM NUMBER 360N-CB-468
GC28-6394 IBM DOS FULL AMERICAN NATIONAL STANDARD COBOL, PROG. NOS.
360N-CB-482(V1 & 2), 5736-CB2(V3 COMPILER), LM2(V3 LIBRARY)
GC28-6398 IBM SYSTEM/360 DISK OPERATING SYSTEM, FULL AMERICAN NATIONAL
STANDARD COBOL: PROGRAMMER'S GUIDE, PROG. NO. 360N-CB-482
GY28-6392 IBM SYSTEM/360 DISK OPERATING SYSTEM AMERICAN NATIONAL
STANDARD COBOL: PROGRAM LOGIC MANUAL, PROG. NO. 360N-CB-482
GC28-6400 IBM CONVERSION AIDS: COBOL-TO-AMERICAN NATIONAL STANDARD
COBOL LANGUAGE CONVERSION PROGRAM
PROGRAM NUMBERS 360N-CV-489, 360C-CV-713
GY28-6397 IBM CONVERSION AIDS: COBOL-TO-AMERICAN NATIONAL ST'D COBOL
LANGUAGE CONVERSION PROGRAM - PROGRAM LOGIC MANUAL
PROGRAM NUMBERS 360N-CV-489, 360C-CV-713

25 FORTRAN

GC28-6629 IBM SYSTEM/360 BASIC FORTRAN LANGUAGE (OS, DOS, TOS & BPS)
GC24-5038 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS BASIC
FORTRAN IV PROGRAMMERS GUIDE
PROGRAM NUMBERS 360N-FO-451 AND 360M-FO-409
GY24-5032 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS FORTRAN IV
PROGRAM NUMBER 360M-FO-409 PROGRAM NUMBER 360N-FO-451
GC28-6397 IBM SYSTEM/360 DISK OPERATING SYSTEM FORTRAN IV
PROGRAMMER'S GUIDE PROGRAM NUMBERS 360N-FO-479 360N-LM-480
GY28-6394 IBM SYSTEM/360 DISK OPERATING SYSTEM FORTRAN IV
PROGRAM LOGIC MANUAL PROGRAM NUMBER 360N-FO-479
GC28-6515 SYSTEM/360 AND SYSTEM/370 FORTRAN IV LANGUAGE, PROG. NO.
360N-LM-480
GC28-6596 IBM SYSTEM/360 FORTRAN IV LIBRARY SUBPROGRAMS
PROG. NOS. 360S-LM-501, 360F-LM-619, 360N-LM-480
GC28-6819 IBM SYSTEM/360 FORTRAN IV LANGUAGE HANDBOOK FOR CONVERSION
FROM IBM 7090/7094 FORTRAN IV
PROGRAM NUMBER 7090-PR-130

28 RPG

SC21-5033 IBM SYSTEM/360 DISK OPERATING SYSTEM
RPG TO RPG II CONVERSION REFERENCE MANUAL
GC26-3570 DOS AND TOS RPG LANGUAGE SPECIFICATIONS, PROG. NOS.
360N-RG-460 (DOS), 360M-RG-408 (TOS)
GY26-3701 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEM REPORT
PROGRAM GENERATOR PROGRAM NUMBERS 360N-RG-460 (DISK)
360M-RG-408 (TAPE)

29 PL/I

GC24-9005 DOS AND TOS PL/I (D) COMPILER PROGRAMMER'S GUIDE
PL/I - PROGRAMMER'S GUIDE
GC28-8202 DOS AND TOS PL/I SUBSET REFERENCE MANUAL
GX20-1749 IBM SYSTEM/360 DOS/TOS REFERENCE CARD PL/I
GY33-9010 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS, PL/I SUBSET
LANGUAGE, PROGRAM LOGIC MANUAL, VOLUME 1 OF 3
PROGRAM NUMBERS: 360N-PL-464 (DOS) 360M-PL-410 (TOS)
GY33-9011 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS, PL/I SUBSET
LANGUAGE, PROGRAM LOGIC MANUAL, VOLUME 2 OF 3, PROG. NOS.
360N-PL-464 (DOS), 360M-PL-410 (TOS)
GY33-9012 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS, PL/I SUBSET
LANGUAGE, VOLUME 3 OF 3 PROGRAM LOGIC MANUAL
PROGRAM NUMBERS: 360N-PL-464 (DOS) 360N-PL-410 (TOS)
GY33-9013 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS PL/I
SUBSET LIBRARY ROUTINES - PROGRAM LOGIC MANUAL
PROGRAM NUMBERS 360N-PL-464 (DOS), 360M-PL-410 (TOS)

30 Access Methods, Data Management, I/O Control Programs

GC24-3427 DOS DATA MANAGEMENT CONCEPTS, PROG. NO. 360N-CL-453
GC24-5037 IBM SYSTEM/360 DISK OPERATING SYSTEM
SUPERVISOR AND INPUT/OUTPUT MACROS
SYSTEMS REFERENCE LIBRARY - PROGRAM NUMBER 360N-CL-453
GC24-5072 IBM SYSTEM/360 DISK OPERATING SYSTEM, DASD LABELS
GC24-5070 BPS, BOS, TOS, AND DOS: TAPE LABELS
GY24-5020 IBM SYSTEM/360 DISK OPERATING SYSTEM, LOGICAL IOCS,
VOLUME 1 INTRODUCTION PROGRAM LOGIC MANUAL, PROGRAM NUMBERS
CPMOD 360N-CL-453, DAMOD 360N-IO-454, DIMOD 360N-CL-453,
DTFCN 360N-CL-453, ISMOD 360N-IO-457, MRMOD 360N-IO-477,
MTMOD 360N-IO-456, ORMOD 360N-IO-478, PRMOD 360N-CL-453,
PTMOD 360N-IO-458, SDMOD 360N-IO-455
GY24-5087 IBM SYSTEM/360 DISK OPERATING SYSTEM LOGICAL IOCS VOLUME 2:
UNIT RECORD, MAGNETIC TAPE AND DEVICE INDEPENDENT FILES
PROGRAM LOGIC MANUAL
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GC30-5003 DOS QTAM MESSAGE PROCESSING SERVICES, PROG. NO. 360N-CQ-470
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GC21-5047 IBM 2596 CARD READ PUNCH DOS PROGRAM PLANNING GUIDE
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**GC27-6999 AN INTRODUCTION TO PROGRAMMING THE IBM 3270
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GY24-5079 IBM SYSTEM/360 DISK OPERATING SYSTEM LIBRARIAN MAINTENANCE
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**GY30-3000 IBM 3735 PROGRAMMABLE BUFFERED TERMINAL FORM DESCRIPTION
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GC27-6924 IBM SYSTEM/360 DISK OPERATING SYSTEM VOCABULARY FILE UTILITY
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GC24-3444 IBM SYSTEM/360 DISK OPERATING SYSTEM DISK SORT/MERGE PROGRAM
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GY24-5021 IBM SYSTEM/360 DISK OPERATING SYSTEM SORT/MERGE
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GC28-6676 IBM SYSTEM/360 DISK OPERATING SYSTEM
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GC28-6679 IBM SYSTEM/360 DISK OPERATING SYSTEM TAPE AND DISK
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GY28-6645 IBM SYSTEM/360 DISK OPERATING SYSTEM TAPE AND DISK
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GC24-3438 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS TAPE
SORT/MERGE PROGRAM PROGRAM NUMBERS 360M-SM-400 360N-SM-400
GC24-3445 IBM 1401/1460 TIMING PROGRAM FOR IBM SYSTEM/360 DISK
OPERATING SYSTEM SORT/MERGE PROGRAM
PROGRAM NUMBER 1401-LM-011
GC24-3439 IBM 1401/1460 TIMING PROGRAM FOR DOS AND TOS TAPE SORT/MERGE
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GC24-5033 IBM SYSTEM/360 DISK OPERATING SYSTEM:
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GC24-5082 DOS TO OS/MFT, OS/MVT, OR OS/VS1 MANAGEMENT PLANNING GUIDE
GC24-6000 IBM SYSTEM/360 DOS-TO-OS IMPLEMENTATION GUIDE

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GY27-7164 IBM SYSTEM/360 DISK OPERATING SYSTEM 1401/1440/1460
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GY27-7165 IBM SYSTEM/360 DISK OPERATING SYSTEM
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GY33-7008 PROGRAM TO EMULATE THE 1401, 1440, AND 1460 ON THE
SYSTEM/370 MODELS 145 AND 155 USING DISK OPERATING
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GY33-7009 PROGRAM TO EMULATE THE 1410 AND 7010 ON THE SYSTEM/370
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GC30-3002 IBM 3705 COMMUNICATIONS CONTROLLED EMULATION PROGRAM
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**GC30-3005 IBM 3705 COMMUNICATIONS CONTROLLER EMULATION PROGRAM STORAGE
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**SY30-3001 IBM 3705 COMMUNICATIONS CONTROLLER EMULATION PROGRAM
PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360H-TX-033

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GC20-1685 SYSTEM/360 DISK OPERATING SYSTEM USER'S GUIDE: CONTROL
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GC24-5073 DISK OPERATING SYSTEM SYSTEM PROGRAMMER'S GUIDE
GY24-5017 IBM SYSTEM/360 DISK OPERATING SYSTEM INTRODUCTION TO
DOS LOGIC - PROGRAM NUMBER 360N-CL-453
GY24-5086 IBM SYSTEM/360 DISK OPERATING SYSTEM IPL AND
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GX20-1771 IBM SYSTEM/360 REFERENCE DATA DOS JOB CONTROL LANGUAGE
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GY24-5152 IBM SYSTEM/360 DISK OPERATING SYSTEM
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GC24-5036 IBM SYSTEM/360 DISK OPERATING SYSTEM: SYSTEM CONTROL
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GY24-5153 IBM SYSTEM/360 DISK OPERATING SYSTEM
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GC24-5062 IBM SYSTEM/360 DISK OPERATING SYSTEM AUTOTEST SPECIFICATIONS
GY24-5027 IBM SYSTEM/360 DISK OPERATING SYSTEM AUTOTEST
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**GT24-5086 DOS OLTEP RELEASE 26 - PROG. NO. 360N-DN-481
**GT64-5154 DOS OLTEP LOGIC RELEASE 26 - PROG. NO. 360N-DN-481

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GC24-5074 DOS MESSAGES - PROG. NO. 370N-CL-453
GC24-5022 IBM SYSTEM/360 DISK OPERATING SYSTEM OPERATING GUIDE
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GC28-2043 IBM SYSTEM/360 TIME-SHARING SYSTEM ADDENDUM
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GC28-2003 IBM SYSTEM/360 TIME SHARING SYSTEM CONCEPTS AND FACILITIES
GC28-2048 IBM SYSTEM/360 TIME SHARING SYSTEM INTRODUCING TSS/360
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PROGRAM NUMBER 360S-CI-555
GC28-2023 IBM SYSTEM/360 TIME SHARING SYSTEM MASTER INDEX

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GC28-2000 IBM SYSTEM/360 TIME-SHARING SYSTEM ASSEMBLER LANGUAGE
GC28-2032 IBM SYSTEM/360 TIME-SHARING SYSTEM ASSEMBLER PROGRAMMER'S
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GC28-2004 IBM SYSTEM/360 TIME-SHARING SYSTEM ASSEMBLER USER
MACRO INSTRUCTIONS - SYSTEMS REFERENCE LIBRARY
GY28-2021 IBM SYSTEM/360 TIME-SHARING SYSTEM ASSEMBLER
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GC28-2007 IBM SYSTEM/360 TIME-SHARING SYSTEM FORTAN IV
GC28-2025 IBM SYSTEM/360 TIME-SHARING SYSTEM FORTRAN PROGRAMMER'S
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GC28-2026 IBM SYSTEM/360 TIME SHARING SYSTEM
FORTRAN IV LIBRARY SUBPROGRAMS
GY28-2020 IBM SYSTEM/360 TIME SHARING SYSTEM FORTRAN IV LIBRARY
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PROGRAM NUMBER 360G-CL-627
GY28-2019 IBM SYSTEM/360 TIME SHARING SYSTEM: FORTRAN IV COMPILER
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GC28-2049 IBM SYSTEM/360 TIME SHARING SYSTEM PL/I PROGRAMMER'S GUIDE
GC28-2045 IBM SYSTEM/360 TIME-SHARING SYSTEM PL/I REFERENCE MANUAL
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GC28-2046 IBM SYSTEM/360 TIME-SHARING SYSTEM PL/I LIBRARY
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GY28-2052 IBM SYSTEM/360 TIME SHARING SYSTEM
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GY28-2051 IBM SYSTEM/360 TIME SHARING SYSTEM PL/I COMPILER
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GY28-2016 IBM SYSTEM/360 TIME SHARING SYSTEM ACCESS METHODS
PROGRAM NUMBER 360G-CL-627
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GC28-2056 IBM SYSTEM/360 TIME SHARING SYSTEM
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GC28-2005 IBM SYSTEM/360 TIME-SHARING SYSTEM LINKAGE EDITOR
GY28-2030 IBM SYSTEM/360 TIME-SHARING SYSTEM LINKAGE EDITOR
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GY28-2018 IBM SYSTEM/360 TIME SHARING SYSTEM: SYSTEM SERVICE MANUAL
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GC28-2038 IBM SYSTEM/360 TIME-SHARING SYSTEM INDEPENDENT UTILITIES
GY28-2039 IBM SYSTEM/360 TIME-SHARING SYSTEM INDEPENDENT UTILITIES
PROGRAM LOGIC MANUAL PROGRAM NUMBER 360G-CL-627

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GC28-2010 IBM SYSTEM/360 TIME-SHARING SYSTEM SYSTEM GENERATION AND
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GY28-2015 IBM SYSTEM/360 TIME SHARING SYSTEM:
SYSTEM GENERATION AND MAINTENANCE
PROGRAM LOGIC MANUAL PROGRAM NUMBER 360-CL-627

GC28-2034 IBM SYSTEMS/360 TIME SHARING SYSTEM
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GY28-2013 TIME SHARING SYSTEM/360 COMMAND LANGUAGE
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GC28-2001 IBM SYSTEM/360 TIME-SHARING SYSTEM COMMAND SYSTEM USER'S
GUIDE
GY28-2031 IBM SYSTEM/360 TIME SHARING SYSTEM: DYNAMIC LOADER
PROGRAM LOGIC MANUAL PROGRAM NUMBER 360G-CL-627
GC28-2008 IBM SYSTEM/360 TIME SHARING SYSTEM
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GX28-6401 TSS/360 QUICK GUIDE FOR SYSTEM PROGRAMMERS: TSSS, ASSEMBLER,
CONTROL BLOCKS - REFERENCE SUMMARY, PROG. NO. 360G-CL-627
GC28-2024 IBM SYSTEM/360 TIME-SHARING SYSTEM MANAGER'S AND
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GY28-2014 IBM SYSTEM/360 TIME-SHARING SYSTEM PROGRAM CONTROL SYSTEM
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GY28-2012 IBM SYSTEM/360 TIME SHARING SYSTEM: RESIDENT SUPERVISOR
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GY28-2011 IBM SYSTEM/360 TIME SHARING SYSTEM SYSTEM CONTROL BLOCKS
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GY28-2009 IBM SYSTEM/360 TIME SHARING SYSTEM SYSTEM LOGIC SUMMARY
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GY28-2041 IBM SYSTEM/360 TIME SHARING SYSTEM TASK MONITOR
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GY28-2042 IBM SYSTEM/360 TIME SHARING SYSTEM:
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GC28-2028 IBM SYSTEM/360 TIME SHARING SYSTEM TEST AND MAINTENANCE
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GC28-2006 IBM SYSTEM/360 TIME-SHARING SYSTEM
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GY28-2022 IBM SYSTEM/360 TIME SHARING SYSTEM
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GC28-2044 IBM SYSTEM/360 TIME-SHARING SYSTEM PLANNING FOR REMOTE
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GC28-2037 IBM SYSTEM/360 TIME SHARING SYSTEM: SYSTEM MESSAGES
GC28-2033 IBM SYSTEM/360 TIME-SHARING SYSTEM OPERATOR'S GUIDE
GX28-6400 TSS/360 QUICK GUIDE FOR USERS
PROGRAM NUMBER 360G-CL-627
GC28-2017 IBM SYSTEM/360 TIME SHARING SYSTEM VERSION 8.1: TERMINAL
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GC28-6810 IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEMS CONCEPTS AND
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GY28-6811 IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM ASSEMBLER
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GY28-6815 IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM FORTRAN IV
COMPILER PROGRAM NUMBER 360F-FO-618
PROGRAM LOGIC MANUAL - COMPILER PROGRAM NUMBER 360F-FO-618
GC28-6515 SYSTEM/360 AND SYSTEM/370 FORTRAN IV LANGUAGE, PROG. NO.
360N-LM-480
GC28-6813 IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM
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GC28-6596 IBM SYSTEM/360 FORTRAN IV LIBRARY SUBPROGRAMS
PROG. NOS. 360S-LM-501, 360F-LM-619, 360N-LM-480
GC28-6819 IBM SYSTEM/360 FORTRAN IV LANGUAGE HANDBOOK FOR CONVERSION
FROM IBM 7090/7094 FORTRAN IV
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GY28-6813 IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM LINKAGE EDITOR
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GC28-6814 IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM SYSTEMS
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GY28-6812 IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM SUPERVISOR AND
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GC28-6815 SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM OPERATOR'S GUIDE

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GY26-3642 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS ASSEMBLER (D)
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GC24-3433 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS
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GC28-6629 IBM SYSTEM/360 BASIC FORTRAN LANGUAGE (OS, DOS, TOS & BPS)
GC24-5038 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS BASIC
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GY24-5032 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS FORTRAN IV
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GC26-3570 DOS AND TOS RPG LANGUAGE SPECIFICATIONS, PROG. NOS.
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GY26-3701 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEM REPORT
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GC24-9005 DOS AND TOS PL/I (D) COMPILER PROGRAMMER'S GUIDE
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GC28-8202 DOS AND TOS PL/I SUBSET REFERENCE MANUAL
GX20-1749 IBM SYSTEM/360 DOS/TOS REFERENCE CARD PL/I
GY33-9010 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS, PL/I SUBSET
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GY33-9011 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS, PL/I SUBSET
LANGUAGE, PROGRAM LOGIC MANUAL, VOLUME 2 OF 3, PROG. NOS.
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GY33-9012 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS, PL/I SUBSET
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GY33-9013 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS PL/I
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PROGRAM NUMBERS 360N-PL-464 (DOS), 360M-PL-410 (TOS)

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GC24-3430 IBM SYSTEM/360, TAPE OPERATING SYSTEM, DATA MANAGEMENT
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GC24-5035 IBM SYSTEM/360, TAPE OPERATING SYSTEM, SUPERVISOR AND
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GC24-5070 BPS, BOS, TOS, AND DOS: TAPE LABELS
GY24-5018 IBM SYSTEM/360, TAPE OPERATING SYSTEM, LOGICAL IOCS,
PROGRAM NUMBER 360M-IO-404, VERSION 2.1

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GC24-3465 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS
UTILITY PROGRAMS SPECIFICATIONS
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GY24-5019 IBM SYSTEM/360 TAPE OPERATING SYSTEM UTILITY PROGRAMS
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GY24-5045 DOS AND TOS UTILITIES MACROS - PROGRAM LOGIC MANUAL
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GC24-3438 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS TAPE
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GY24-5016 TOS SORT/MERGE PROGRAM LOGIC MANUAL, PROG. NO. 360M-SM-400
GC24-3439 IBM 1401/1460 TIMING PROGRAM FOR DOS AND TOS TAPE SORT/MERGE
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GC24-5020 IBM SYSTEM/360, TAPE OPERATING SYSTEM, PERFORMANCE ESTIMATES

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GC24-5034 IBM SYSTEM/360 TAPE OPERATING SYSTEM, SYSTEM CONTROL AND
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GC24-3441 IBM SYSTEM/360 TAPE OPERATING SYSTEM AUTOTEST SPECIFICATIONS
PROGRAM NUMBER 360M-PT-407
GY24-5026 IBM SYSTEM/360 TAPE OPERATING SYSTEM AUTOTEST
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360M-DN-418
GY24-5056 IBM SYSTEM/360 TAPE OPERATING SYSTEM
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GC24-5021 IBM SYSTEM/360, TAPE OPERATING SYSTEM, OPERATING GUIDE

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GC24-3361 IBM SYSTEM/360 BASIC OPERATING SYSTEM ASSEMBLER WITH
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GC24-3364 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT
BASIC OPERATING SYSTEM MACRO DEFINITION LANGUAGE

GY24-5000 IBM SYSTEM/360 BASIC OPERATING SYSTEM DISK ASSEMBLER
PROGRAM NUMBER 360B-AS-309

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GC24-3387 IBM SYSTEM/360 BASIC OPERATING SYSTEM
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PROGRAM NUMBER 360B-RG-307

GY24-5005 IBM SYSTEM/360 BASIC OPERATING SYSTEM REPORT PROGRAM
GENERATOR (8K DISK) PROGRAM NUMBER 360B-RG-307

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GY24-5003 BOS LOGICAL IOCS, PROG. NOS. 360B-IO-303, -304, -305

GC24-5070 BPS, BOS, TOS, AND DOS: TAPE LABELS

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GC24-3409 IBM SYSTEM/360 BASIC OPERATING SYSTEM UTILITY PROGRAMS
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GC24-3321 IBM SYSTEM/360 BASIC OPERATING SYSTEM SORT/MERGE PROGRAM
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GY24-5001 IBM BASIC OPERATING SYSTEM/360 (8K DISK) SORT/MERGE
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GC24-3377 IBM 1401/1460 TIMING PROGRAM FOR IBM BASIC OPERATING
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GC24-3372 IBM SYSTEM/360 BASIC OPERATING SYSTEM PROGRAMMER'S GUIDE

GY24-5002 IBM BASIC OPERATING SYSTEM/360 SYSTEM CONTROL (8K DISK)
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GC24-3378 IBM SYSTEM/360 BASIC OPERATING SYSTEM SPECIFICATIONS
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GY30-2006 IBM SYSTEM/360 BASIC OPERATING SYSTEM, BASIC PROGRAMMING
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GC24-3450 IBM SYSTEM/360 BASIC OPERATING SYSTEM OPERATING GUIDE

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GC28-6503 BPS (CARD) BASIC ASSEMBLER & BASIC UTILITY PROGRAMS: SPEC-
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GC24-3355 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT ASSEMBLER WITH
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GY24-5012 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT TAPE ASSEMBLER
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GY24-5014 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT
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GC24-3364 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT
BASIC OPERATING SYSTEM MACRO DEFINITION LANGUAGE

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GC28-6629 IBM SYSTEM/360 BASIC FORTRAN LANGUAGE (OS, DOS, TOS & BPS)
GC21-5000 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT FORTRAN IV (CARD)
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GC21-9040 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT SPECIFICATIONS
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GY21-0001 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT
FORTRAN IV (16K CARD) PROGRAM LOGIC MANUAL
PROGRAM NUMBER 360P-FO-205
GC28-6583 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT FORTRAN IV (TAPE)
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GC24-3374 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT SPECIFICATIONS
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GC24-3464 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT
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GY24-5037 IBM SYSTEM/360, BASIC PROGRAMMING SUPPORT, REPORT PROGRAM
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360P-RG-200
GC24-3418 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT REPORT PROGRAM
GENERATOR (TAPE) SPECIFICATIONS
PROGRAM NUMBER 360P-RG-201

30 Access Methods, Data Management, I/O Control Programs

GC24-5070 BPS, BOS, TOS, AND DOS: TAPE LABELS
GC24-3408 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT INPUT/OUTPUT 1231
SPECIFICATIONS AND OPERATING GUIDE
PROGRAM NUMBER: 360P-IO-060
GC24-3398 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT INPUT/OUTPUT
1412/1419 SPECIFICATIONS AND OPERATING GUIDE
PROGRAM NUMBER 360P-IO-058
GC24-3437 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT INPUT/OUTPUT
1418/1428 SPECIFICATIONS AND OPERATING GUIDE
PROGRAM NUMBER 360P-IO-059
GY24-5007 BPS INPUT OUTPUT CONTROL PROGRAM: PLM, PROG. NO. 360P-IO-060
(1231-N1), -059 (1418/1428), -058 (1412/1419)

32 Utilities

GX20-1709 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT -
BASIC UTILITIES REFERENCE CARD
PROGRAM NUMBERS 360P-UT-017, 360P-UT-018, 360P-UT-019,
360P-UT-020
GY24-5015 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT BASIC UTILITIES
PROGRAM LOGIC MANUAL
GC24-5027 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT CARD AND TAPE
UTILITY PROGRAMS OPERATING GUIDE
GC24-5026 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT CARD AND TAPE
UTILITY PROGRAMS SPECIFICATIONS
GC24-3392 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT DASD UTILITY
PROGRAMS OPERATING GUIDE
GC24-3363 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT DASD UTILITY
PROGRAMS SPECIFICATIONS
GC21-5001 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT DISTRIBUTION
PROGRAM SPECIFICATIONS AND OPERATING GUIDE
PROGRAM NUMBER 360P-UT-208
GY21-0004 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT DISTRIBUTION
PROGRAM, PROGRAM NUMBER 360P-UT-208
GC24-5069 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT
MODULAR FILE MAINTENANCE PROGRAM SPECIFICATIONS AND
OPERATING GUIDE
PROGRAM NUMBER 360P-UT-219
GY24-5096 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT MODULAR FILE
MAINTENANCE PROGRAM - PROGRAM NUMBER 360P-UT-219
GC24-3396 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT UNIVERSAL
CHARACTER SET UTILITY PROGRAM OPERATING GUIDE
PROGRAM NUMBER 360P-UT-048
GY24-5013 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT UNIVERSAL
CHARACTER SET UTILITY PROGRAM PROGRAM NUMBER 360P-UT-048

33 Sort/Merge

GC24-3413 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT SORT/MERGE PROGRAMS
OPERATING GUIDE PROGRAMS:
1 - CHANNEL - 360P-SM-043
2 - CHANNEL - 360P-SM-044

GC24-3320 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT SORT/MERGE
PROGRAMS SPECIFICATIONS PROGRAMS:
1 - CHANNEL - 360P-SM-043
2 - CHANNEL - 360P-SM-044

GC24-3345 IBM 1401/1460 TIMING PROGRAMS FOR IBM SYSTEM/360 BASIC
PROGRAMMING SUPPORT SORT/MERGE PROGRAMS (8K TAPE)
PROGRAM 1401-LM-078, VERSION 2 (2401-2404)
PROGRAM 1401-LM-080, VERSION 1 (2415)

34 System Planning, Generation, Installation, SMF

GC24-5061 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT BASIC TAPE SYSTEM
SYSTEM GENERATION AND MAINTENANCE
PROGRAM NUMBER 360P-AS-091

36 Control Program

GC24-3354 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT BASIC TAPE SYSTEM
PROGRAMMER'S GUIDE
PROGRAM NUMBER 360P-AS-091

GY24-5010 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT
BASIC TAPE SYSTEM SYSTEM CONTROL AND IOCS
PROGRAM NUMBER 360P-AS-091

37 RAS

GC24-3417 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT
AUTOTEST OPERATING GUIDE
PROGRAM NUMBER 360P-PT-045

GC24-3343 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT AUTOTEST
SPECIFICATIONS (8K TAPE)
PROGRAM NUMBER 360P-PT-045

38 Remote Job Entry

GY30-2006 IBM SYSTEM/360 BASIC OPERATING SYSTEM, BASIC PROGRAMMING
SUPPORT REMOTE JOB ENTRY WORK STATION PROGRAM
PROGRAM NUMBERS 360B-CQ-311-(BOS), 360P-CQ-218-(BPS)
PROGRAM LOGIC MANUAL

40 System Operation

GC24-3391 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT BASIC TAPE SYSTEM
OPERATING GUIDE PROGRAM NUMBER 360P-AS-091 RPG
PROGRAM NUMBER 360P-RG-201

Licensed Programs (Subject Codes 20 through 40)

20 General Information

GC28-8200 SYSTEM/370 PROGRAM PRODUCTS: LANGUAGE AND SORT PROCESSORS
-OS, DOS, VM/370-CMS (CATALOG)

21 Assembler

GC26-3735 IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER H
DESIGN OBJECTIVES SHEET, PROGRAM NUMBER 5734-AS1

GC26-3743 IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER H
SPECIFICATION SHEET, PROGRAM NUMBER 5734-AS1

GC26-3758 OS ASSEMBLER H GENERAL INFORMATION MANUAL, PROG. #5734-AS1

SC26-3759 OS ASSEMBLER H PROGRAMMER'S GUIDE, PROG. NO. 5734-AS1

SC26-3768 OS ASSEMBLER H SYSTEM INFORMATION, PROG. NO. 5734-AS1

SC26-3770 OS ASSEMBLER H MESSAGES, PROG. NO. 5734-AS1

GC26-3771 OS ASSEMBLER H LANGUAGE, PROG. NO. 5734-AS1

LY26-3760 OS ASSEMBLER H LOGIC PROG. NO. 5734-AS1

LGB6-3772 IBM SYSTEM/360 OS ASSEMBLER H - PROGRAM NUMBER 5734-AS1

**GB21-0704 BURROUGHS 100/200/300/500 BASIC ASSEMBLER LANGUAGE TO IBM
DOS ALC CONVERSION AID FOR SYSTEM/360, 370 AVAILABILITY
NOTICE - FDP NUMBER 5798-AMC

**SB21-0705 BURROUGHS 100/200/300/500 BASIC ASSEMBLER LANGUAGE TO IBM
DOS ALC CONVERSION AID FOR SYSTEM/360, 370 PROGRAM
DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AMC

**LB21-0706 BURROUGHS 100/200/300/500 BASIC ASSEMBLER LANGUAGE TO IBM
DOS ALC CONVERSION AID FOR SYSTEM/360, 370 SYSTEMS GUIDE
FDP NUMBER 5798-AMC

GB21-0334 DOS TO OS ASSEMBLER MACRO CONVERSION
FIELD DEVELOPED PROGRAM AVAILABILITY NOTICE

SB21-0335 DOS TO OS ASSEMBLER LANGUAGE MACRO CONVERSION
FIELD DEVELOPED PROGRAM
PROGRAM DESCRIPTION/OPERATIONS MANUAL
PROGRAM NUMBER 5798-AFL

LB21-0336 DOS TO OS ASSEMBLER LANGUAGE MACRO CONVERSION - FIELD
DEVELOPED PROGRAM SYSTEMS GUIDE - PROGRAM NUMBER 5798-AFL

22 APL

GH20-0689 APL/360 PRIMER - PROGRAM NUMBERS 5734-XM1 AND 5736-XM1
GH20-4047 APL/360 OS SPECIFICATIONS - PROGRAM PRODUCT 5734-XM6
GH20-4046 PAL/360-DOS SPECIFICATIONS - PROGRAM PRODUCT 5736-XM6
GH20-0850 APL/360 - OS (5734-XM6) AND APL/360 - DOS (5736-XM6)
GENERAL INFORMATION MANUAL
SH20-0890 APL/360 - OS OPERATIONS AND INSTALLATION MANUAL,
PROGRAM NUMBER 5734-XM6
SH20-0938 APL/360 - DOS OPERATIONS AND INSTALLATION MANUAL,
PROGRAM NUMBER 5736-XM6
GH20-0906 APL/360-OS (5734-XM6), APL/360-DOS (5736-XM6),
USER'S MANUAL
LY20-0678 APL/360-OS AND APL/360-DOS SYSTEM MANUAL
FEATURE NUMBERS 8091, 8034
PROGRAM NUMBERS 5734-XM6, 5736-XM6
LYB0-0625 APL/360-OS ASSEMBLY LISTINGS, PROGRAM NUMBER 5734-XM6,
FEATURE CODE 8092, FE SERVICE NUMBER 200156
LYB0-0626 APL/360 - DOS ASSEMBLY LISTINGS,
PROGRAM NUMBER 5736-XM6, FEATURE CODE 8065,
FE SERVICE NUMBER 200157
**GB21-0414 GRAPHS AND HISTOGRAMS IN APL AVAILABILITY NOTICE - FDP
NUMBER 5798-AGL
**SB21-0415 GRAPHS AND HISTOGRAMS IN APL PROGRAM DESCRIPTION/OPERATIONS
MANUAL - FDP NUMBER 5798-AGL
**LB21-0416 GRAPHS AND HISTOGRAMS IN APL SYSTEMS GUIDE - FDP NUMBER
5798-AGL
**GH20-4243 PROGRAMMING RPQ #WE1191 APL SHARED VARIABLES (APLSV) DESIGN
OBJECTIVES - PROGRAM PRODUCT 5799-AJF

24 COBOL

**GX28-8195 IBM GUIDE TO AMERICAN NATIONAL STANDARD COBOL REFERENCE CARD
GC28-6406 IBM SYSTEM/360 OPERATING SYSTEM FULL
AMERICAN NATIONAL STANDARD (ANS) COBOL COMPILER
VERSION 3 DESIGN OBJECTIVES SHEET, PROGRAM NUMBER 5734-CB1
GC28-6436 IBM SYSTEM/360 OS FULL AMERICAN NATIONAL STANDARD COBOL
COMPILER AND LIBRARY, VERSION 3, PROGRAM PRODUCT
SPECIFICATIONS (PPS) - PROGRAM NUMBER 5734-CB1
GC28-6407 IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND
LIBRARY, VERSION 3: GENERAL INFORMATION, PROG. NO. 5734-CB1
SC28-6437 IBM SYSTEM/360 OPERATING SYSTEM FULL AMERICAN NATIONAL
STANDARD COBOL COMPILER AND LIBRARY, VERSION 3, PROGRAMMER'S
GUIDE - PROGRAM NUMBER 5734-CB1
SC28-6432 IBM SYSTEM/360 OPERATING SYSTEM
FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY,
VERSION 3, INSTALLATION REFERENCE MANUAL,
PROGRAM NUMBER 5734-CB1
SC28-6440 IBM SYSTEM/360 OPERATING SYSTEM FULL AMERICAN NATIONAL
STANDARD COBOL, VERSION 3, MESSAGES
PROGRAM NUMBER 5734-CB1
LY28-6407 IBM SYSTEM/360 OPERATING SYSTEM
FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY,
VERSION 3 PROGRAM LOGIC MANUAL, PROGRAM NUMBER 5734-CB1
LYC7-5023 SYSTEM/360 OPERATING SYSTEM AMERICAN NATIONAL STANDARD
(ANS) COBOL VERSION 3 LISTINGS - PROGRAM NUMBER 5734-CB1
LYC7-5038 IBM SYSTEM/360/370 OS FULL ANS COBOL VERSION 3
COMPILER AND LIBRARY - LISTINGS, PROG. PROD. 5734-CB1
LYC7-5039 SYSTEM/360 OPERATING SYSTEM FULL COBOL COMPILER
VERSION 3/TIME SHARING OPTION COBOL PROMPTER
PROGRAM NUMBER 5734-CB3
GC28-6408 IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND
LIBRARY, VERSION 4 - PPDO - PROG. NOS. 5734-CB2, -LM2
GC28-6464 IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND
LIBRARY, VERSION 4 - PROGRAM PRODUCT SPECIFICATIONS -
PROGRAM NUMBERS 5734-CB2, 5734-LM2
GC28-6431 OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND
LIBRARY, VERSION 4, PLANNING GUIDE - PROGRAM
NOS. 5734-CB2, -LM2
SC28-6456 IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND
LIBRARY VERSION 4, PROGRAMMERS GUIDE - PROGRAM PRODUCTS
5734-CB2 AND 5734-LM2
**SC28-6458 IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND
LIBRARY VERSION 4 MESSAGE MANUAL - PROGRAM PRODUCTS
5734-CB2 AND 5734-LM2
**SC28-6457 IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND
LIBRARY, VERSION 4, MESSAGES MANUAL - PROGRAM NUMBERS
5734-CB2, AND 5734-LM2
**LY28-6420 IBM S/360 OPERATING SYSTEM: FULL AMERICAN NATIONAL STANDARD
COBOL COMPILER V4 - PROGRAM LOGIC MANUAL - PROGRAM PRODUCT
5734-CB2
**LY28-6419 IBM S/360 OPERATING SYSTEM: FULL AMERICAN NATIONAL STANDARD
COBOL SUBROUTINE LIBRARY V4 PLM - PROGRAM PRODUCTS 5734-CB2,
5734-LM2

GC28-6420 IBM DOS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER,
VERSION 3: PPDO, PROG. NO. 5736-CB2
PROGRAM NUMBER 5736-CB2

GC28-6443 IBM SYSTEM/360 DISK OPERATING SYSTEM FULL AMERICAN NATIONAL
STANDARD COBOL COMPILER VERSION 3
SYSTEM REFERENCE LIBRARY PROGRAM PRODUCT SPECIFICATIONS
PROGRAM NUMBER 5736-CB2

GC28-6428 IBM DOS FULL AMERICAN NATIONAL STANDARD COBOL OBJECT-TIME
SUBROUTINE LIBRARY: PPDO, PROG. NO. 5736-LM2
SUBROUTINE LIBRARY - PROGRAM NUMBER 5736-LM2

GC28-6444 IBM SYSTEM/360 DISK OPERATING SYSTEM: FULL AMERICAN NATIONAL
STANDARD COBOL OBJECT TIME SUBROUTINE LIBRARY
PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-LM2

GC28-6421 IBM DOS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND
LIBRARY, VERSION 3, RELEASE 2, GENERAL INFORMATION
PROG. NOS. 5736-CB2 (COMPILER), 5736-LM2 (LIBRARY)
GENERAL INFORMATION

SC28-6441 IBM SYSTEM/360 DISK OPERATING SYSTEM: FULL AMERICAN
NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3
SYSTEM REFERENCE LIBRARY PROGRAMMER'S GUIDE
PROGRAM NUMBERS 5736-CB2, 5736-LM2

GC28-6394 IBM DOS FULL AMERICAN NATIONAL STANDARD COBOL, PROG. NOS.
360N-CB-482(V1 & 2), 5736-CB2(V3 COMPILER), LM2(V3 LIBRARY)

SC28-6442 IBM DOS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND
LIBRARY, VERSION 3: INSTALLATION REFERENCE MANUAL, PROG.
NOS. 5736-CB2 AND 5736-LM2

SC28-6445 IBM SYSTEM/360 DISK OPERATING SYSTEM: FULL AMERICAN NATIONAL
STANDARD COBOL VERSION 3 MESSAGES - SYSTEM REFERENCE LIBRARY
MANUAL - PROGRAM NUMBERS 5736-CB2, 5736-LM2

LY28-6412 IBM SYSTEM/360 DISK OPERATING SYSTEM FULL AMERICAN NATIONAL
STANDARD COBOL COMPILER VERSION 3, PROGRAM LOGIC MANUAL
PROGRAM PRODUCT 5736-CB2

LY28-6413 IBM SYSTEM/360 DISK OPERATING SYSTEM FULL AMERICAN NATIONAL
STANDARD COBOL SUBROUTINE LIBRARY, VERSION 3
PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5736-LM2

LYC7-5030 SYSTEM/360 DISK OPERATING SYSTEM ANS COBOL COMPILER
VERSION 3 PROGRAM LISTING MICROFICHE
PROGRAM NUMBER 5736-CB2

LYC7-5031 SYSTEM/360 DISK OPERATING SYSTEM ANS COBOL LIBRARY VERSION
3 PROGRAM PRODUCT LISTING MICROFICHE
PROGRAM NUMBER 5736-LM2

**GC28-6480 IBM DOS SUBSET AMERICAN NATIONAL STANDARD COBOL
COMPILER AND LIBRARY DESIGN OBJECTIVES
PROG. PROD. 5736-CB1

GC28-6450 IBM SYSTEM/360 DISK OPERATING SYSTEM SUBSET AMERICAN
NATIONAL STANDARD COBOL COMPILER AND LIBRARY (PROGRAM
PRODUCT SPECIFICATIONS) PROGRAM NUMBER 5736-CB1

GC28-6402 IBM SYSTEM/360 DISK OPERATING SYSTEM:
AMERICAN NATIONAL STANDARD SUBSET COBOL COMPILER
GENERAL INFORMATION

SC28-6439 IBM SYSTEM/360 DISK OPERATING SYSTEM SUBSET AMERICAN
NATIONAL STANDARD COBOL COMPILER AND LIBRARY
PROGRAMMER'S GUIDE - PROGRAM NUMBER 5736-CB1

GC28-6403 IBM SYSTEM/360 DISK OPERATING SYSTEM:
AMERICAN NATIONAL STANDARD SUBSET COBOL
PROGRAM NUMBER 5736-CB1

SC28-6438 IBM SYSTEM/360 DISK OPERATING SYSTEM SUBSET AMERICAN
NATIONAL STANDARD COBOL COMPILER AND LIBRARY
INSTALLATION REFERENCE MATERIAL - PROGRAM NUMBER 5736-CB1

SC28-6446 IBM SYSTEM/360 DISK OPERATING SYSTEM SUBSET AMERICAN
NATIONAL STANDARD COBOL MESSAGES - PROGRAM NUMBER 5736-CB1

LY28-6414 IBM SYSTEM/360 DISK OPERATING SYSTEM SUBSET AMERICAN
NATIONAL STANDARD COBOL COMPILER AND LIBRARY PROGRAM LOGIC
MANUAL - PROGRAM NUMBER 5736-CB1

LYC7-5041 SYSTEM/360 DISK OPERATING SYSTEM SUBSET ANS COBOL COMPILER
AND LIBRARY - MICROFICHE - PROGRAM PRODUCT 5736-CB1

**GB21-0836 BURROUGHS 2500 SERIES COBOL TO IBM ANS COBOL CONVERSION AID
AVAILABILITY NOTICE - FDP NUMBER 5798-APH

**SB21-0837 BURROUGHS 2500 SERIES COBOL TO IBM ANS COBOL CONVERSION AID
PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-APH

**LB21-0838 BURROUGHS 2500 SERIES COBOL TO IBM ANS COBOL CONVERSION AID
SYSTEMS GUIDE - FDP NUMBER 5798-APH

GH20-4101 ONLINE COBOL SYMBOLIC DEBUG FOR IBM CP-67 SYSTEMS (RPQ)
PROGRAM NUMBER 5799-AAE - REFERENCE PRPQ AA0476
PROGRAM PRODUCT SPECIFICATION SHEET

GH20-0920 CONTROL PROGRAM-67 ONLINE COBOL SYMBOLIC DEBUG
PROGRAM NUMBER 5799-AAE - APPLICATION DESCRIPTION MANUAL

SH20-0921 CONTROL PROGRAM - 67 ONLINE COBOL SYMBOLIC DEBUG
USER'S GUIDE - PROGRAM NUMBER 5799-AAE

SH20-0922 CONTROL PROGRAM - 67 ONLINE COBOL SYMBOLIC DEBUG
INSTALLATION MANUAL, PROGRAM NUMBER 5799-AAE

SH20-0923 CONTROL PROGRAM - 67 ONLINE COBOL SYMBOLIC DEBUG
OPERATING SYSTEM/360 IN A VIRTUAL MACHINE,
PROGRAM NUMBER 5799-AAE

LY20-0635 CONTROL PROGRAM-67 ONLINE COBOL SYMBOLIC DEBUG PROGRAMMING
 RPQ: SYSTEM MANUAL, PROG. NO. 5799-AAE FEATURE NO. 8006
 **GC28-6474 DOS/VS COBOL COMPILER AND LIBRARY DESIGN OBJECTIVES PROGRAM
 PRODUCT 5746-CB1 (COMPILER AND LIBRARY) AND 5746-LM4
 (LIBRARY ONLY)
 **GC28-6473 IBM DOS/VS COBOL COMPILER AND LIBRARY GENERAL INFORMATION
 PROGRAM NUMBERS 5746-CB1 AND 5746-LM4
 GB21-0387 HONEYWELL 200 SERIES COBOL TO IBM ANS COBOL CONVERSION AIDS
 FDP AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AGC
 **SB21-0388 HONEYWELL 200 SERIES COBOL TO IBM ANS COBOL CONVERSION AID
 FIELD DEVELOPED PROGRAM DESCRIPTION/OPERATIONS MANUAL
 PROGRAM NUMBER 5798-AGC
 **LB21-0389 HONEYWELL 200 SERIES COBOL TO IBM ANS COBOL CONVERSION AID
 FIELD DEVELOPED PROGRAM-SYSTEMS GUIDE - PROGRAM NUMBER
 5798-AGC
 **GB21-0493 RCA COBOL TO IBM ANS COBOL CONVERSION AID FOR SYSTEM/360/370
 AVAILABILITY NOTICE - FDP NUMBER 5798-AHT
 **SB21-0494 RCA COBOL TO IBM ANS COBOL CONVERSION AID FOR SYSTEM/360,370
 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AHT
 **LB21-0495 RCA COBOL TO IBM ANS COBOL CONVERSION AID FOR SYSTEM/360,370
 SYSTEMS GUIDE - FDP NUMBER 5798-AHT
 GB21-0490 UNIVAC 9300 COBOL TO IBM ANS COBOL CONVERSION AID
 PROG. NO. 5798-AHP, FDP AVAILABILITY NOTICE
 **SB21-0491 UNIVAC 9300 COBOL TO IBM ANS COBOL CONVERSION AID
 FIELD DEVELOPED PROGRAM DESCRIPTION/OPERATIONS MANUAL
 PROGRAM NUMBER 5798-AHP
 **LB21-0492 UNIVAC 9300 COBOL TO IBM ANS COBOL CONVERSION AID
 FIELD DEVELOPED PROGRAM-SYSTEMS GUIDE - PROGRAM NUMBER
 5798-AHP
 **SC28-6469 IBM VM/370 OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER
 AND LIBRARY, VERSION 4 CMS - USER'S GUIDE
 PROGRAM NUMBERS 5734-CB2 AND 5734-LM2

25 FORTRAN

GC28-6884 IBM FORTRAN PROGRAM PRODUCTS FOR OS AND THE CMS COMPONENT OF
 VM/370: GENERAL INFORMATION, PROG. NOS. 5734-FO1,2,3,5
 -LM1,3,-CP3
 GC28-6832 IBM SYSTEM/360 OPERATING SYSTEM CODE AND GO FORTRAN
 PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-FO1
 SC28-6859 IBM SYSTEM/360 OPERATING SYSTEM CODE AND GO FORTRAN
 PROCESSOR INSTALLATION REFERENCE MATERIAL
 PROGRAM NUMBER 5734-FO1
 LY28-6846 IBM SYSTEM/360 OPERATING SYSTEM CODE AND GO FORTRAN
 PROCESSOR PROGRAM LOGIC MANUAL
 PROGRAM NUMBER 5734-FO1
 SC28-6853 IBM OS CODE AND GO FORTRAN AND FORTRAN IV (G1) PROGRAMMER'S
 GUIDE, PROG. NOS. 5734-FO1, 2, -LM1
 LYC7-5036 IBM SYSTEM/360/370 CODE AND GO FORTRAN COMPILER - LISTINGS,
 PROG. PROD. 5734-FO1
 GH20-0896 FORTRAN CONVERSION AID PROGRAM, GENERAL INFORMATION MANUAL
 PROGRAM NUMBER 5799-AAJ, REFERENCE NUMBER FA1287
 SH20-0897 FORTRAN CONVERSION AID PROGRAM,
 PROGRAM DESCRIPTION AND OPERATIONS MANUAL,
 PROGRAM NUMBER 5799-AAJ, REFERENCE NUMBER FA1287
 LY20-0608 FORTRAN CONVERSION AID PROGRAM (SYSTEM MANUAL,
 PROGRAM NUMBER 5799-AAJ, FEATURE CODE 8001,
 REFERENCE NUMBER FA1287
 GC28-6854 OS FORTRAN IV (G1) PROCESSOR - PPS - PROG. NO. 5734-FO2
 SC28-6856 FORTRAN IV (G1) PROCESSOR AND TSO FORTRAN PROMPTER FOR OS
 AND VM/370 (CMS): INSTALLATION REFERENCE MATERIAL, PROG.
 NOS. 5734-FO2, 5734-CP3
 LY28-6856 IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (G1) COMPILER PLM
 PROGRAM NUMBER 5734-FO2
 LYC7-5021 SYSTEM/360 OPERATING SYSTEM FORTRAN IV (G1) COMPILER
 MICROFICHE LISTINGS, PROG. PROD. 5734-FO2
 GC28-6862 IBM SYSTEM/360 OPERATING SYSTEM: FORTRAN IV (H EXTENDED)
 COMPILER PROGRAM PRODUCT SPECIFICATIONS
 PROGRAM NUMBER 5734-FO3
 GC28-6847 IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV LIBRARY (MOD II)
 PROGRAM NUMBER 5734-LM3
 GC28-6863 OS FORTRAN IV LIBRARY (MOD II) - PPS - PROG. NO. 5734-LM3
 SC28-6852 IBM SYSTEM/360 OPERATING SYSTEM: FORTRAN IV (H EXTENDED)
 COMPILER, PROGRAMMER'S GUIDE - PROGRAM NUMBER 5734-FO3
 5734-LM3
 SC28-6861 IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (H EXTENDED)
 COMPILER AND LIBRARY (MOD II) IRM MODULE II INSTALLATION
 REFERENCE MATERIAL - PROGRAM NUMBERS 5734-FO3, 5734-LM3
 GC28-6865 IBM SYSTEM/360 OS: FORTRAN IV (H EXTENDED)
 COMPILER AND LIBRARY (MODEL II), MESSAGES - SYSTEM REFERENCE
 LIBRARY MANUAL, PROGRAM NUMBERS 5734-FO3, 5734-LM3
 LYC7-5019 IBM SYSTEM/360/370 FORTRAN IV H EXTENDED COMPILER -
 PROG. PROD. 5734-FO3

LY28-6409 IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV
 LIBRARY MOD II PROGRAM LOGIC MANUAL, PROGRAM NUMBER 5734-LM3
 LYC7-5020 IBM SYSTEM/360/370 FORTRAN IV LIBRARY MOD II - LISTINGS
 PROG. PROD. 5734-LM3
 SC28-6868 IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (H EXTENDED
 PLUS COMPILER & LIBRARY USER SUPPLEMENT - PROGRAM NUMBER
 5799-AAW
 LY28-6415 IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (H EXTENDED PLUS)
 COMPILER AND LIBRARY PROGRAM LOGIC SUPPLEMENT
 (PROGRAMMING REQUEST FOR PRICE QUOTATION)
 PROGRAM NUMBER 5799-AAW
 LYC7-5042 SYSTEM/360 OPERATING SYSTEM FORTRAN H EXTENDED PLUS
 MICROFICHE - PROGRAM NUMBER 5799-AAW
 GC28-6881 FORTRAN INTERACTIVE DEBUG FOR OS (TSO) AND VM/370 (CMS)
 PROGRAM PRODUCT DESIGN OBJECTIVES, PROG. NO. 5734-FO5
 **GC28-6888 FORTRAN INTERACTIVE DEBUG FOR OS (TSO)
 PPS PROGRAM NUMBER 5734-FO5
 **SX28-8193 IBM FORTRAN INTERACTIVE DEBUG FOR OS (TSO) AND VM/370 (CMS)
 REFERENCE CARD - PROGRAM NUMBER 5734-FO5
 GC28-6844 IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV LIBRARY MOD 1
 DESIGN OBJECTIVES - PROGRAM NUMBER 5734-LM1
 GC28-6850 SYSTEM/360 OPERATING SYSTEM FORTRAN IV LIBRARY MOD 1
 PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-LM1
 SC28-6858 IBM SYSTEM/360 FORTRAN IV LIBRARY (MODEL 1)
 INSTALLATION REFERENCE MATERIAL, PROGRAM NUMBER 5734-LM1
 LY28-6408 IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV LIBRARY (MODEL I)
 PROGRAM LOGIC MANUAL, PROGRAM NUMBER 5734-LM1
 LYC7-5022 OS 360/370 FORTRAN IV LIBR. MOD I LISTING, P.P. NO. 5734-LM1
 GC28-8193 IBM SYSTEM/360 DISK OPERATING SYSTEM FORTRAN IV LIBRARY
 ASCII SUPPORT
 PROGRAM NUMBER 5736-LM1
 GC28-8194 IBM SYSTEM/360 DISK OPERATING SYSTEM
 FORTRAN IV LIBRARY ASCII SUPPORT
 PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-LM1
 SC28-6851 IBM SYSTEM/360 DISK OPERATING SYSTEM - FORTRAN IV LIBRARY
 ASCII SUPPORT: PROGRAMMER'S GUIDE SUPPLEMENT
 PROGRAM NUMBER 5736-LM1
 LYC7-5012 SYSTEM/360 DISK OPERATING SYSTEM FORTRAN F LIBRARY
 PROGRAM PRODUCT LISTING MICROFICHE
 ASC II - PROGRAM NUMBER 5736-LM1
 SC28-6864 IBM SYSTEM/360 OS: FORTRAN IV MATH AND SVC SUBPROGRAM
 SUPPLEMENT FOR MODE I and MODEL II LIBRARIES
 PROGRAM NUMBERS 5734-LM1, 5734-LM3
 GC28-6872 SYSTEM/360 DISK OPERATING SYSTEM FORTRAN IV LIBRARY,
 OPTION 1 - PROGRAM PRODUCT DESIGN OBJECTIVE
 PROGRAM NUMBER 5746-LM3
 GC28-6882 DISK OPERATING SYSTEM FORTRAN IV LIBRARY OPTION 1 - PROGRAM
 PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5746-LM3
 SC28-6883 DOS FORTRAN IV LIBRARY OPTION/PROGRAMMERS'S GUIDE
 SUPPLEMENT - PROGRAM PRODUCT 5746-LM3
 LYC7-5044 DOS FORTRAN IV LIBRARY OPTION I - MICROFICHE - PROGRAM
 NUMBER 5746-LM3
 **SC28-6891 IBM VM/370 (CMS) TERMINAL USER'S GUIDE FOR FORTRAN IV
 PROGRAM NUMBERS 5734-FO1, 5734-FO2, 5734-FO3, 5734-LM1
 AND 5734-LM3

28 RPG

GC21-5028 IBM DISK OPERATING SYSTEM RPG II
 PROGRAM PRODUCT SPECIFICATIONS
 PROGRAM NUMBER 5736-RG1
 GC21-5021 IBM DOS RPG II GENERAL INFORMATION MANUAL
 PROGRAM NUMBER 5736-RG1
 SC21-5005 IBM DOS RPG II LANGUAGE, PROG. NO. 5736-RG1
 LY21-0014 IBM DOS RPG II LANGUAGE PROGRAM LOGIC MANUAL
 PROGRAM NUMBER 5736-RG1
 LYB1-0450 S/360 DOS RPG II COMPILER, LISTINGS, PROG. PROD. 5736-RG1
 GC21-5052 IBM DISK OPERATING SYSTEM RPG II AUTO REPORT FEATURE
 GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5736-RG1
 SC21-5056 IBM DOS RPG II AUTO REPORT FEATURE - REFERENCE MANUAL
 PROGRAM NUMBER 5736-RG1
 LYC7-1317 IBM DISK OPERATING SYSTEM REPORT PROGRAM GENERATOR II
 AUTO REPORT FEATURE - PROGRAM LISTINGS - PROGRAM NUMBER
 5736-RG1

29 PL/I

GC33-0030 OS PL/I CHECKOUT COMPILER - PROGRAM PRODUCT SPECIFICATIONS
 PROGRAM NUMBER 5734-PL2
 GC33-0003 OS PL/I CHECKOUT COMPILER: GENERAL INFORMATION
 PROGRAM NUMBERS 5734-PL2, 5734-LM4
 SC33-0007 SYSTEM/360 OPERATING SYSTEM PL/I CHECKOUT COMPILER
 PROGRAMMER'S GUIDE - PROGRAM NUMBERS 5734-PL2, 5734-LM5

SC33-0031 OS PL/I CHECKOUT COMPILER: INSTALLATION - PROGRAM PRODUCTS
 5734-PL2 AND 5734-LM5
 SC33-0032 SYSTEM/360 OPERATING SYSTEM PL/I CHECKOUT COMPILER
 EXECUTION LOGIC MANUAL - PROGRAM NUMBERS 5734-PL2
 5734-LM5
 SC33-0034 SYSTEM/360 OPERATING SYSTEM PL/I CHECKOUT COMPILER:
 MESSAGES MANUAL - PROGRAM NUMBERS 5734-PL2, 5734-LM5
 LY33-6013 OS PL/I CHECKOUT COMPILER PROGRAM LOGIC MANUAL
 PROGRAM NUMBER 5734-PL2
 LY33-6014 SYSTEM/360 OPERATING SYSTEM PL/I CHECKOUT COMPILER
 PROGRAM LOGIC, VOLUME 2 OF 2 - PROGRAM NUMBER 5734-PL2
 LYC7-2500 SYSTEM/360 OPERATING SYSTEM PL/I CHECKOUT COMPILER
 PROGRAM LISTING - PROGRAM NUMBER 5734-PL2
 SX33-6002 OS PL/I OPTIMIZING AND CHECKOUT COMPILERS:
 KEYWORDS, TERMINAL COMMANDS, AND COMPILER OPTIONS
 REFERENCE CARD - PROGRAM NUMBERS 5734-PL1, PL2, PL3
 SC33-0009 OS PL/I OPTIMIZING AND CHECKOUT COMPILER
 LANGUAGE REFERENCE MANUAL
 PROGRAM NUMBERS 5734-PL1, 5734-PL2, 5734-PL3
 GC33-0013 IBM SYSTEM/360 OPERATING SYSTEM PL/I OPTIMIZING COMPILER
 DESIGN OBJECTIVES - PROGRAM NUMBER 5734-PL1
 GC33-0022 SYSTEM/360 OS PL/I OPTIMIZING COMPILER
 PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-PL1
 GC33-0001 OS PL/I OPTIMIZING COMPILER: GENERAL INFORMATION MANUAL
 PROGRAM NUMBER 5734-PL1
 SC33-0006 OS PL/I OPTIMIZING COMPILER - PROGRAMMER'S GUIDE
 PROGRAM NUMBERS 5734-PL1, 5734-LM4, 5734-LM5
 SC33-0025 OS PL/I OPTIMIZING COMPILER: EXECUTION LOGIC PROGRAM NOS.
 5734-PL1, 5734-LM4 AND 5734-LM5
 SC33-0027 OPERATING SYSTEM PL/I OPTIMIZING COMPILER: MESSAGES
 PROG. NOS. 5734-PL1, 5734-LM5
 SC33-0026 SYSTEM/360 OPERATING SYSTEM PL/I OPTIMIZING COMPILER:
 SYSTEM INFORMATION - PROGRAM NUMBERS 5734-PL1, 5734-LM4,
 5734-LM5
 **SC33-0037 OS PL/I OPTIMIZING COMPILER: CMS USERS GUIDE - PROGRAM
 NUMBER 5734-PL1
 LY33-6007 OS PL/I OPTIMIZING COMPILER: PROGRAM LOGIC MANUAL
 PROGRAM NUMBER 5734-PL1
 LYC7-2506 SYSTEM/360 OPERATING SYSTEM PL/I OPTIMIZING COMPILER
 MICROFICHE LISTINGS - PROGRAM NUMBER 5734-PL1
 GC33-0023 OS PL/I RESIDENT LIBRARY - PROGRAM PRODUCT SPECIFICATIONS
 PROGRAM NUMBER 5734-LM4
 LY33-6008 SYSTEM/360 OPERATING SYSTEM PL/I RESIDENT LIBRARY:
 PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5734-LM4
 LYC7-2504 SYSTEM/360 OPERATING SYSTEM PL/I RESIDENT LIBRARY
 MICROFICHE - PROGRAM NUMBER 5734-LM4
 GC33-0024 OS PL/I TRANSIENT LIBRARY - PROGRAM PRODUCT SPECIFICATIONS
 PROGRAM NUMBER 5734-LM5
 LY33-6009 OS PL/I TRANSIENT LIBRARY: PROGRAM LOGIC MANUAL
 PROGRAM NUMBER 5734-LM5
 LYC7-2505 OS PL/I TRANSIENT LIBRARY - MICROFICHE, PROG. NO. 5734-LM5
 GC33-0010 DOS PL/I OPTIMIZING COMPILER PROGRAM PRODUCT DESIGN
 OBJECTIVES - PROGRAM NUMBER 5736-PL1
 GC33-0016 DOS PL/I OPTIMIZING COMPILER PROGRAM PRODUCT SPECIFICATIONS
 PROGRAM NUMBER 5736-PL1
 GC33-0004 DOS PL/I OPTIMIZING COMPILER: GENERAL INFORMATION MANUAL -
 PROG. PROD. 5736-PL1
 SC33-0005 DOS PL/I OPTIMIZING COMPILER: LANGUAGE REFERENCE MANUAL
 PROGRAM NOS. 5736-PL1, AND 5736-PL3
 SC33-0008 DOS PL/I OPTIMIZING COMPILER: PROGRAMMER'S GUIDE
 PROG. PROD. 5736-PL1
 SC33-0019 DISK OPERATING SYSTEM/360 PL/I OPTIMIZING COMPILER:
 EXECUTION LOGIC PROGRAM NUMBERS 5736-PL1, 5736-LM4,
 5736-LM5
 SC33-0020 DOS PL/I OPTIMIZING COMPILER: INSTALLATION
 PROGRAM NOS. 5736-PL1, LM4, LM5
 NOTE: THESE PRODUCTS ARE ALSO DISTRIBUTED AS COMPOSITE
 PACKAGE 5736-PL3
 SC33-0021 DOS PL/I OPTIMIZING COMPILER: MESSAGES MANUAL, PROG. PROD.
 5736-PL1, 5736-LM5
 SX33-6001 DISK OPERATING SYSTEM/360 REFERENCE CARD PL/I OPTIMIZING
 COMPILER KEYWORDS
 LY33-6010 DOS PL/I OPTIMIZING COMPILER: PROGRAM LOGIC PROGRAM PRODUCT
 5736-PL1
 LYC7-2503 DISK OPERATING SYSTEM/360 PL/I OPTIMIZING COMPILER
 ASSEMBLY LISTING MICROFICHE - PROGRAM NUMBER 5736-PL1
 GC33-0017 DOS PL/I RESIDENT LIBRARY PROGRAM PRODUCT SPECIFICATIONS
 PROGRAM NUMBER 5736-LM4
 LY33-6011 DOS PL/I RESIDENT LIBRARY: PROGRAM LOGIC MANUAL
 PROGRAM NUMBER 5736-LM4
 LYC7-2501 DISK OPERATING SYSTEM/360
 PL/I RESIDENT LIBRARY - ASSEMBLY LISTING MICROFICHE
 PROGRAM NUMBER 5736-LM4

GC33-0018 DOS PL/I TRANSIENT LIBRARY PROGRAM PRODUCT SPECIFICATIONS
PROGRAM NUMBER 5736-LM5

**SC33-0035 DOS PL/I TRANSIENT LIBRARY: MESSAGES SYSTEM LIBRARY MANUAL
PROGRAM NUMBER 5736-LM5

LY33-6012 DOS PL/I TRANSIENT LIBRARY - PROGRAM LOGIC MANUAL
PROGRAM NUMBER 5736-LM5

LYC7-2502 DISK OPERATING SYSTEM/360 PL/I TRANSIENT LIBRARY
ASSEMBLY LISTING MICROFICHE - PROGRAM NUMBER 5736-LM5

GC33-0036 PL/I UNDER CMS - PROGRAM PRODUCT DESIGN OBJECTIVES:
PL/I OPTIMIZING COMPILER, PROG. NO. 5734-PL1
PL/I RESIDENT LIBRARY, PROG. NO. 5734-LM4
PL/I TRANSIENT LIBRARY, PROG. NO. 5734-LM5

30 Access Methods, Data Management, I/O Control Programs

GH20-4105 DIRECT ACCESS TERMINAL APPLICATION (DATA/360-OS)
PROGRAM NUMBER 5734-XS3

GH20-0853 DATA/360-OS: GENERAL INFORMATION MANUAL, PROG. NO. 5734-XS3

SH20-0926 DATA/360-OS CONSOLE OPERATOR'S GUIDE,
PROGRAM NUMBER 5734-XS3

SH20-0925 DATA/360-OS TERMINAL OPERATOR'S GUIDE,
PROGRAM NUMBER 5734-XS3

LY20-0638 DATA/360-OS SYSTEM MANUAL
PROGRAM NUMBER 5734-XS3, FEATURE CODE 8087

**GH20-4318 DIRECT ACCESS TERMINAL APPLICATION (DATA/360-11) PPS,
PROGRAM NUMBER 5734-XS8

**GH20-1220 DATA/360 - II GENERAL INFORMATION MANUAL - PROGRAM NUMBER
5734-XS8

**SH20-1219 DATA/360 - II CONSOLE OPERATOR'S GUIDE - PROGRAM NUMBER
5734-XS8

**SH20-1221 DATA/360 - II TERMINAL OPERATOR'S GUIDE - PROGRAM NUMBER
5734-XS8

**LY20-0823 DATA/360 - II LOGIC MANUAL - PROGRAM NUMBER 5734-XS8

GH20-4039 DIRECT ACCESS TERMINAL APPLICATION (DATA/360-DOS)
PROGRAM NUMBER 5736-XS2

GH20-0838 INTRODUCTION TO DATA/360 - DOS
PROGRAM NUMBER 5736-XS2

GH20-0723 DATA/360-DOS APPLICATION DESCRIPTION MANUAL
PROGRAM NUMBER 5736-XS2

SH20-0879 DATA/360 - DOS CONSOLE OPERATOR'S GUIDE
PROGRAM NUMBER 5736-XS2

SH20-0885 DATA/360 - DOS TERMINAL OPERATOR'S GUIDE
PROGRAM NUMBER 5736-XS2

LY20-0601 DATA/360 - DOS SYSTEM MANUAL
PROGRAM NUMBER 5736-XS2, FEATURE CODE 8018

GH20-4032 FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER
RETRIEVAL - LOW CORE (FASTER LC)
SPECIFICATIONS - PROGRAM NUMBER 5736-G22

GH20-0810 IBM SYSTEM/360 FILING AND SOURCE DATA ENTRY TECHNIQUES FOR
EASIER RETRIEVAL - LOW CORE (FASTER LC) APPLICATION
DESCRIPTION - PROGRAM NUMBER 5736-G22

SH20-0863 IBM SYSTEM/360 FILING AND SOURCE DATA ENTRY TECHNIQUES
FOR EASIER RETRIEVAL-LOW CORE (FASTER LC)
5736-G22 PROGRAM DESCRIPTION MANUAL

SH20-0864 SYSTEM/360 FILING AND SOURCE DATA ENTRY TECHNIQUES
FOR EASIER RETRIEVAL-LOW CORE (FASTER LC)
5736-G22 OPERATIONS MANUAL

LY20-0595 IBM SYSTEM/360 FILING AND SOURCE DATA ENTRY TECHNIQUES
FOR EASIER RETRIEVAL-LOW CORE (FASTER LC)
5736-G22 SYSTEM MANUAL

GH20-4149 THE OPERATING SYSTEM FILING AND SOURCE DATA ENTRY
TECHNIQUES FOR EASIER RETRIEVAL-MULTITHREAD (OS FASTER MT)
PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-G21

GH20-1031 IBM OPERATING SYSTEM FILING AND SOURCE DATA ENTRY
TECHNIQUES FOR EASIER RETRIEVAL - MULTITHREAD (OS FASTER MT)
GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5734-G21

SH20-1147 IBM OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES
FOR EASIER RETRIEVAL MULTITHREAD (OS FASTER MT)
PROGRAM NUMBER 5734-G21

SH20-1146 IBM OPERATING SYSTEM FILING AND SOURCE DATA ENTRY
TECHNIQUES FOR EASIER RETRIEVAL MULTITHREAD (OS FASTER MT)
OPERATIONS GUIDE - PROGRAM NUMBER 5734-G21

LY20-0787 IBM OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES
FOR EASIER RETRIEVAL MULTITHREAD (OS FASTER MT) - LOGIC
MANUAL - PROGRAM NUMBER 5734-G21 - FEATURE CODE 8059

GH20-4203 THE DISK OPERATING SYSTEM FILING AND SOURCE DATA ENTRY
TECHNIQUES FOR EASIER RETRIEVAL MULTITHREAD (DOS FASTER MT)
DESIGN OBJECTIVES - PROGRAM NUMBER 5736-G24

GH20-4130 THE DISK OPERATING SYSTEM FILING AND SOURCE DATA ENTRY
TECHNIQUES FOR EASIER RETRIEVAL - MULTITHREAD
(DOS FASTER MT) PROGRAM NUMBER 5736-G24

GH20-0903 IBM DISK OPERATING SYSTEM FILING AND SOURCE DATA ENTRY
TECHNIQUES FOR EASIER RETRIEVAL - MULTITHREAD
(DOS FASTER MT) APPLICATION DESCRIPTION,
PROGRAM NUMBER 5736-G24

SH20-1051 IBM DISK OPERATING SYSTEM FILING AND SOURCE DATA ENTRY
TECHNIQUES FOR EASIER RETRIEVAL - MULTITHREAD
(DOS FASTER MT) PROGRAM DESCRIPTION
PROGRAM NUMBER 5736-G24

SH20-1052 IBM DISK OPERATING SYSTEM FILING AND SOURCE DATA ENTRY
TECHNIQUES FOR EASIER RETRIEVAL - MULTITHREAD
(DOS FASTER MT) OPERATIONS MANUAL - PROGRAM NUMBER 5736-G24

LY20-0716 IBM DISK OPERATING SYSTEM FILING AND SOURCE DATA ENTRY
TECHNIQUES FOR EASIER RETRIEVAL - MULTITHREAD
(DOS FASTER MT) - SYSTEM MANUAL - PROGRAM NUMBER 5736-G24

GH20-4076 SYSTEM/360 GRAPHIC ANALYSIS OF THREE-DIMENSIONAL DATA (OS)
PROGRAM PRODUCT FUNCTIONAL DESCRIPTION SHEET
PROGRAM PRODUCT 5734-XX2

GH20-0539 GRAPHIC ANALYSIS OF THREE-DIMENSIONAL DATA (GATD)
APPLICATION DESCRIPTION MANUAL (5734-XX2)

GH20-0678 GRAPHIC ANALYSIS OF THREE-DEMNENSIONAL DATA (GATD)
PROGRAM DESCRIPTION MANUAL - PROGRAM NUMBER 5734-XX2

SH20-0679 GRAPHIC ANALYSIS OF THREE-DIMENSIONAL DATA (GATD)
OPERATIONS MANUAL - PROGRAM NUMBER 5734-XX2

SH20-0680 GRAPHIC ANALYSIS OF THREE-DIMENSIONAL DATA (GATD)
TERMINAL OPERATIONS MANUAL

LY20-0455 GRAPHIC ANALYSIS OF THREE-DIMENSIONAL DATA (GATD)
SYSTEM MANUAL - VOLUME I
PROGRAM NUMBER 5734-XX2 FEATURE CODE 8101

**LYB0-0465 GRAPHIC ANALYSIS OF THREE DIMENSIONAL DATA (GATD)
SYSTEM MANUAL VOLUME 2 PROGRAM LISTINGS
PROGRAM NUMBER 5734-XX2 - FEATURE CODE 8301

GB21-0411 GRAPHPAK - INTERACTIVE GRAPHICS PACKAGE FOR APL/360
PROG. NO. 5798-AGK - FDP AVAILABILITY NOTICE

SB21-0412 GRAPHPAK - INTERACTIVE GRAPHICS PACKAGE FOR APL/360
FIELD DEVELOPED PROGRAM DESCRIPTION/OPERATIONS MANUAL
PROGRAM NUMBER 5798-AGK

LB21-0413 GRAPHPAK - INTERACTIVE GRAPHICS PACKAGE FOR APL/360
FIELD DEVELOPED PROGRAM-SYSTEMS GUIDE
PROGRAM NUMBER 5798-AGK

GB21-0061 MINIMUM TELEPROCESSING COMMUNICATION SYSTEM (DOS) - FDP
AVAILABILITY NOTICE, PROG. NO. 5798-AAY

SB21-0062 MINIMUM TELEPROCESSING COMMUNICATIONS SYSTEM MANUAL
PROGRAM NUMBER 5798-AAY

LB21-0063 MINIMUM TELEPROCESSING COMMUNICATIONS SYSTEM: FDP SYSTEMS
GUIDE, PROG. NO. 5798-AAY, FEATURE NO. 8021

**GH20-4324 IBM TELECOMMUNICATIONS CONTROL SYSTEM (TCS) SPECIFICATIONS
PROGRAM PRODUCT 5734-F31

**GH20-1207 TELECOMMUNICATIONS CONTROL SYSTEM (TCS) CONCEPTS AND
FACILITIES MANUAL - PROGRAM PRODUCT 5734-F31

**SH20-1208 TELECOMMUNICATIONS CONTROL SYSTEM (TCS) PROGRAMMER'S GUIDE
AND REFERENCE MANUAL - PROGRAM PRODUCT 5734-F31

**SH20-1209 TELECOMMUNICATIONS CONTROL SYSTEM (TCS) OPERATIONS GUIDE,
PROGRAM NUMBER 5734-F31

**LY20-0842 TELECOMMUNICATIONS CONTROL SYSTEM (TCS) LOGIC MANUAL FEATURE
NUMBER 8112 - PROGRAM NUMBER 5734-F31

**GC27-6967 PROGRAM PRODUCT SPECIFICATIONS VIDEO/370 OS - PROGRAM NUMBER
5734-RC5

**GC27-6969 PROGRAM PRODUCT SPECIFICATIONS VIDEO/370 DOS - PROGRAM
NUMBER 5736-RC3

SC27-6955 VIDEO/370 USERS GUIDE - PROGRAM PRODUCTS 5734-RC5, 5736-RC3

**SC27-6960 VIDEO/370 SYSTEM INFORMATION MANUAL - PROGRAM PRODUCTS
5734-RC5, 5736-RC3

**LY27-7230 VIDEO/370 LOGIC MANUAL - PROGRAM NUMBERS 5734-RC5, 5736-RC3

**LYC7-5048 OS VIDEO/370 MICROFICHE - PROGRAM NUMBER 5734-RC5

**LYC7-5049 DOS VIDEO/370 MICROFICHE - PROGRAM NUMBER 5736-RC3

GB21-0238 DOS 2311-2314/19 DASD DEVICE INDEPENDENCE ROUTINES
FDP AVAILABILITY NOTICE - PROG. NO. 5798-ADT

SB21-0239 DOS 2311-2314/19 DASD DEVICE INDEPENDENCE ROUTINES
PROGRAM DESCRIPTION/OPERATIONS MANUAL
PROGRAM NUMBER 5798-ADT

LB21-0240 DOS 2311-2314/19 DASD DEVICE INDEPENDENCE ROUTINES
SYSTEMS GUIDE - PROGRAM NUMBER 5798-ADT

GB21-0686 DOS 2311/14/19 - 3330 DASD DEVICE INDEPENDENCE ROUTINES
AVAILABILITY NOTICE - FDP NUMBER 5798-ALK

SB21-0687 DOS 2311/14/19-3330 DASD DEVICE INDEPENDENCE ROUTINES
PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ALK

LB21-0688 DOS 2311/14/19-3330 DASD DEVICE INDEPENDENCE ROUTINES
SYSTEMS GUIDE - FDP NUMBER 5798-ALK

SC28-6689 USER'S GUIDE FOR THE IBM 2947 MODEL 4 CHECK COLLECTION
CONTROLLER ASSEMBLY FACILITIES, PROGRAMMING - PRPQ P88003
PROGRAM NUMBER 5799-AAH

GB21-0620 3270 FORMAT MACRO FOR OUTPUT DATA STREAMS FDP - AVAILABILITY
NOTICE - PROGRAM NUMBER 5798-AKL

SB21-0621 3270 FORMAT MACRO FOR OUTPUT DATA STREAMS FDP - PROGRAM
DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AKL

LB21-0622 3270 FORMAT MACRO FOR OUTPUT DATA STREAMS FDP - SYSTEMS
GUIDE - PROGRAM NUMBER 5798-AKL

****GX20-1925** 3270 FORMAT MACRO FOR OUTPUT DATA STREAMS
 FDP NUMBER 5798-AKL
****GB21-0761** STREAM - A3270 INFORMATION DISPLAY SYSTEM PROGRAMMING FOR
 SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-ANE
****SB21-0762** STREAM - A3270 INFORMATION DISPLAY SYSTEM PROGRAMMING AID
 FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL
 FDP NUMBER 5798-ANE
****LB21-0763** STREAM - A3270 INFORMATION DISPLAY SYSTEM PROGRAMMING AID
 FOR SYSTEM/360,370 SYSTEMS GUIDE - FDP NUMBER 5798-ANE
****GB21-0740** DOS 3330 DATA SET CONVERSION AID AVAILABILITY NOTICE - FDP
 NUMBER 5798-AMN
****SB21-0741** DOS 3330 DATA SET CONVERSION AID PROGRAM
 DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AMN
****LB21-0742** DOS 3330 DATA SET CONVERSION AID SYSTEMS GUIDE - FDP NUMBER
 5798-AMN

32 Utilities

GC28-6758 IBM SYSTEM/360 OPERATING SYSTEM DATA SET UTILITIES
 SUPPORT FOR ASCII - PROGRAM NUMBER 5734-UT2
GC28-6759 OS/MFT, OS/MVT, AND OS/VS DATA SET UTILITIES SUPPORT FOR
 ASCII - PPS - PROG. NO. 5734-UT2
SC28-6760 OS/MFT, OS/MVT, AND OS/VS DATA SET UTILITIES SUPPORT FOR
 ASCII: USER'S GUIDE, PROG. NO. 5734-UT2
LY28-6761 OS/MFT, OS/MVT, AND OS/VS DATA SET UTILITIES SUPPORT FOR
 ASCII: LOGIC MANUAL, PROG. NO. 5734-UT2
LYC7-2301 SYSTEM/360 OPERATING SYSTEM ASCII UTILITIES ASSEMBLY LISTING
 MICROFICHE - PROGRAM PRODUCT - PROGRAM NUMBER 5734-UT2
GC33-5000 IBM SYSTEM/360 DISK OPERATING SYSTEM ASCII MAGNETIC TAPE
 UTILITIES
 PROGRAM NUMBER 5736-UT2
GC33-5002 SYSTEM/360 DOS ASCII MAGNETIC TAPE UTILITIES PROGRAM
 PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-UT2
SC33-5001 IBM SYSTEM/360 DOS ASCII MAGNETIC TAPE UTILITIES
 PROGRAM GUIDE - PROGRAM NUMBER 5736-UT2
LY33-8540 IBM SYSTEM/360 DISK OPERATING SYSTEM ASCII
 MAGNETIC TAPE UTILITIES PROGRAM LOGIC MANUAL
 PROGRAM NUMBER 5736-UT2
LYC7-1700 DOS/360 ASCII MAGNETIC TAPE UTILITIES PROGRAM LISTINGS
 PROGRAM NUMBER 5736-UT2
****GB21-0857** OS/DITTO AVAILABILITY NOTICE - FDP NUMBER 5798-ARD
****SB21-0858** OS/DITTO PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER
 5798-ARD
****LB21-0859** OS/DITTO SYSTEMS GUIDE - FDP NUMBER 5798-ARD
****GB21-0875** DOS/DITTO FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP
 NUMBER 5798-ARN
****SB21-0876** DOS/DITTO FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS
 MANUAL - FDP NUMBER 5798-ARN
****LB21-0877** DOS/DITTO FOR SYSTEM/360, 370 SYSTEMS GUIDE - FDP NUMBER
 5798-ARN
****GB21-0890** DOS FILE GENERATION UTILITY AVAILABILITY NOTICE - FDP NUMBER
 5798-ARX
****SB21-0891** DOS FILE GENERATION UTILITY PDOM - FDP NUMBER 5798-ARX
****LB21-0892** DOS FILE GENERATION UTILITY SYSTEMS GUIDE - FDP NUMBER
 5798-ARX
G320-8067 GENERALIZED CREATE/REORGANIZE UTILITY SYSTEM FOR S/370
 EASTMAN KODAK - RELEASE NOTICE - IUP NUMBER 5796-ACZ
GC21-5068 PROGRAM PRODUCT FUNCTIONAL DESCRIPTION FOR IBM 1288 BASIC
 UNFORMATTED READ SYSTEM (MFT/MVT/VS1/VS2) PROG. NO. 5734-UT3
SC21-5014 OS IBM 1288 BASIC UNFORMATTED READ SYSTEM: A DATA CAPTURE
 UTILITY PROGRAM, PROG. NO. 5734-UT3
LY21-0022 IBM 1288 BASIC UNFORMATTED READ SYSTEM (MFT/MVT/VS1/VS2):
 LOGIC MANUAL, PROG. NO. 5734-UT3
****GC21-5067** PROGRAM PRODUCT FUNCTIONAL DESCRIPTION FOR IBM DOS 1288
 BASIC UNFORMATTED READ SYSTEM - PROGRAM PRODUCT
 NUMBER 5736-UT1
SC21-5013 DOS IBM 1288 BASIC UNFORMATTED READ SYSTEM: A DATA CAPTURE
 UTILITY PROGRAM, PROG. NO. 5736-UT1
LY21-0021 IBM SYSTEM/360 IBM 1288 BASIC UNFORMATTED READ SYSTEM
 PROGRAM LOGIC MANUAL PROGRAM NUMBER 5736-UT1
****GB21-0610** 2927 TAPE TO PRINTER UTILITY FOR SYSTEM/360, 370
 AVAILABILITY NOTICE - FDP NUMBER 5798-AKH
****SB21-0611** 2927 TAPE TO PRINTER UTILITY FOR SYSTEM/360, 370
 PROGRAM DESCRIPTION/OPERATIONS MANUAL
 FDP NUMBER 5798-AKH
****LB21-0612** 2927 TAPE TO PRINTER UTILITY FOR SYSTEM/360,370
 SYSTEMS GUIDE - FDP NUMBER 5798-AKH
****GB21-0671** DOS/OS 3735 COMMUNICATIONS UTILITY FOR SYSTEM/360,370
 AVAILABILITY NOTICE - FDP NUMBER 5798-ALG
****SB21-0672** DOS/OS COMMUNICATIONS UTILITY FOR SYSTEM/360,370 - PROGRAM
 DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ALG
****LB21-0673** DOS/OS COMMUNICATIONS UTILITY FOR SYSTEM/360,370 SYSTEMS
 GUIDE - FDP NUMBER 5798-ALG

33 Sort/Merge

GC33-4006 IBM SYSTEM/360 OPERATING SYSTEM, SORT/MERGE
PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-SM1

GC33-4022 SYSTEM/360 OPERATING SYSTEM SORT/MERGE GENERAL INFORMATION
MANUAL - PROGRAM NUMBER 5734-SM1

SC33-4007 IBM SYSTEM/360 OPERATING SYSTEM, SORT/MERGE
PROGRAMMER'S GUIDE - PROGRAM NUMBER 5734-SM1

SC33-4004 OS SORT/MERGE SYSTEM INFORMATION: SYSTEM GENERATION/INSTAL-
LATION, STORAGE REQUIREMENTS, MESSAGES - PROG. NO. 5734-SM1

LY33-8027 IBM SYSTEM/360 OPERATING SYSTEM, SORT/MERGE, PROGRAM LOGIC
MANUAL - PROGRAM NO. 5734-SM1

GC28-6753 IBM SYSTEM/360 DISK OPERATING SYSTEM: TAPE AND DISK
SORT/MERGE PROGRAM, PROGRAM NUMBER 5736-SM1
PROGRAM PRODUCT SPECIFICATIONS

SC28-6755 IBM SYSTEM/360 DISK OPERATING SYSTEM: TAPE AND DISK
SORT/MERGE PROGRAM, SYSTEM INFORMATION - PROGRAM NUMBER
5736-SM1

SC28-6695 IBM SYSTEM/360 DISK OPERATING SYSTEM: TAPE AND DISK
SORT/MERGE PROGRAM, REFERENCE MANUAL, PROG. NO. 5736-SM1

LY28-6696 IBM SYSTEM/360 DISK OPERATING SYSTEM: TAPE AND DISK
SORT/MERGE PROGRAM - PROGRAM NUMBER 5736-SM1

LCB8-6757 SYSTEM/360 DISK OPERATING SYSTEM SORT/MERGE
PROGRAM NUMBER 5736-SM1

GC33-4017 IBM SYSTEM/360 DOS SORT MERGE DESIGN OBJECTIVES
PROG. NO. 5743-SM1

GC33-4020 IBM SYSTEM/360 DISK OPERATING SYSTEM SORT/MERGE
GENERAL INFORMATION, PROGRAM NUMBER 5743-SM1

SC33-4018 DOS SORT/MERGE PROGRAMMER'S GUIDE - PROGRAM NUMBER 5743-SM1

SC33-4023 DOS SORT/MERGE INSTALLATION REFERENCE MANUAL
PROGRAM NUMBER 5743-SM1

LY33-8039 DOS SORT/MERGE PROGRAM LOGIC MANUAL
PROGRAM NUMBER 5743-SM1

LYC7-0901 DOS 01-0 SORT/MERGE LISTINGS - PROGRAM PRODUCT 5743-SM1

**GC33-4030 DOS/V5 SORT/MERGE GENERAL INFORMATION - PROGRAM NUMBER
5746-SM1

**GC33-4027 DOS/V5 SORT/MERGE DESIGN OBJECTIVES - PROGRAM PRODUCT
5746-SM1

**GC33-4019 DOS SORT/MERGE SPECIFICATIONS - PROGRAM NUMBER 5743-SM1

GB21-0034 DOS SORT EXIT ROUTINES FOR CS/30/40 DISK FILES - FDP
AVAILABILITY NOTICE, PROG. NO. 5798-AAM

SB21-0035 DISK OPERATING SYSTEM SORT EXIT ROUTINES FOR CONTROL SYSTEM
(CS)/30/40 FILES - FIELD DEVELOPED PROGRAM DESCRIPTION
OPERATIONS MANUAL - PROGRAM NUMBER 5798-AAM

LB21-0036 DISK OPERATING SYSTEM SORT EXIT ROUTINES FOR
CS/30/40 FILES SYSTEMS GUIDE - PROGRAM NUMBER 5798-AAM

34 System Planning, Generation, Installation, SMF

GB21-0046 SMF SELECTABLE ANALYZER FDP AVAILABILITY NOTICE, PROG. NO.
5798-AAR

GB21-9986 SMF SELECTABLE ANALYZER AND ACCOUNTING FOR DP OPERATIONS
FDP REPORTS MANUAL, PROG. NO. 5798-AAR

SB21-0047 OPERATING SYSTEM/360 SYSTEM MANAGEMENT FACILITY SELECTABLE
ANALYZER - PROGRAM DESCRIPTION/OPERATION MANUAL
PROGRAM NUMBER 5798-AAR

LB21-0048 OS SMF SELECTABLE ANALYZER SYSTEMS GUIDE, FDP PROG. NO.
5798-AAR

35 Simulation or Emulation

GA24-3595 IBM EMULATOR FOR HONEYWELL SERIES 200 ON SYSTEM/370 USING
DOS AND DOS/V5 (PRPQ): PLANNING GUIDE, PROG. NO. 5799-ADT

GH20-1153 HONEYWELL SERIES 200 EMULATOR ON SYSTEM/370 USING DOS AND
DOS/V5 (PRPQ) - TRANSITION GUIDE, PROG. NO. 5799-ADT

**GA24-3604 EMULATOR FOR HONEYWELL SERIES 200 ON SYSTEM/370 USING DOS
SYSTEM LIBRARY MANUAL - RPQ NUMBER 5799-ADT

**LY24-3606 IBM EMULATOR FOR HONEYWELL SERIES 200 ON SYSTEM/370 USING
DOS PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5799-ADT

**GJD1-4602 IBM EMULATOR FOR HONEYWELL SERIES 200 ON SYSTEM/370 USING
DOS - MICROFICHE - PROGRAM NUMBER 5799-ADT

GA24-3594 IBM EMULATOR FOR RCA 301 ON SYSTEM/370 USING DOS AND DOS/V5
PLANNING GUIDE - PROGRAM NUMBER 5799-ADR

GH20-1152 RCA 301 EMULATOR ON SYSTEM/370 USING DOS AND DOS/V5 (PRPQ) -
TRANSITION GUIDE, PROG. NO. 5799-ADR

**GA24-3605 IBM EMULATOR MANUAL FOR RCA 301 ON SYSTEM/370
USING DOS - PROGRAM NUMBER 5799-ADR

**LY24-3607 IBM EMULATOR FOR RCA 301 ON SYSTEM/370 USING DOS PROGRAM
LOGIC MANUAL - PROGRAM NUMBER 5799-ADR

**GJD1-4603 IBM EMULATOR FOR RCA 301 ON SYSTEM/370 USING DOS MICROFICHE
PROGRAM NUMBER 5799-ADR

**LY30-3005 GENERATION AND LOGIC MANUAL FOR PROGRAMMING RPQ P85004,
SIX BIT TRANSCODE FOR IBM 3705 EMULATION PROGRAM
PROGRAM NO. 5799-AGA

LY30-3004 GENERATION AND LOGIC MANUAL FOR PROGRAMMING RPQ P85007
SPECIAL START-STOP LINE CONTROL FOR IBM 3705 EMULATION
PROGRAM - PROGRAM NUMBER 5799-AGK

36 Control Program

GB21-0574 OS/360/370 JOB CONTROL LANGUAGE DEVICE DEPENDENT PARAMETER
CONVERSION AND REPLACEMENT (DDPREP) AVAILABILITY NOTICE
FDP NUMBER 5798-AJU

SB21-0575 OS/360/370 JOB CONTROL LANGUAGE DEVICE DEPENDENT PARAMETER
CONVERSION AND REPLACEMENT (DDPREP) PROGRAM DESCRIPTION/
OPERATIONS MANUAL - FDP NUMBER 5798-AJU

LB21-0576 OS/360/370 JOB CONTROL LANGUAGE DEVICE DEPENDENT PARAMETER
CONVERSION AND REPLACEMENT (DDPREP) - SYSTEMS GUIDE - FDP
NUMBER 5798-AJU

GB21-0067 USER ROLLOUT/ROLLIN FOR SYSTEM/360 MODEL 22 & UP - FDP
AVAILABILITY NOTICE - PROG. NO. 5798-ABA

SB21-0068 DISK OPERATING SYSTEM DYNAMIC ROLLOUT/ROLLIN FIELD
DEVELOPED PROGRAM DESCRIPTION OPERATIONS MANUAL
PROGRAM NUMBER 5798-ABA

LB21-0069 DISK OPERATING SYSTEM DYNAMIC ROLLOUT/ROLLIN
PROGRAM NUMBER 5798-ABA - FIELD DEVELOPED PROGRAM
SYSTEMS GUIDE

37 RAS

**GB21-0635 ERROR STATISTICS BY VOLUME FOR SYSTEM/360, 370 AVAILABILITY
NOTICE - FDP NUMBER 5798-AKR

**SB21-0636 ERROR STATISTICS BY VOLUME FOR SYSTEM/360, 370 PROGRAM
DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AKR

**LB21-0637 ERROR STATISTICS BY VOLUME FOR SYSTEM/360, 370 SYSTEMS GUIDE
FDP NUMBER 5798-AKR

38 Remote Job Entry

GH20-4026 SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM WITH DISK OS
(RAX-DOS) PROGRAM NUMBER 5799-AAA SPECIFICATION SHEET

GH20-0832 SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM WITH DOS (RAX-DOS)
PROGRAMMING RPQ: APPLICATION DESCRIPTION, PROG. NO. 5799-AAA

SH20-0837 SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM WITH DISK
OPERATING SYSTEM (RAX-DOS) PROGRAM DESCRIPTION MANUAL
PROGRAM NUMBER 5799-AAA

SH20-0843 SYSTEM/360 REMOTE ACCESS COMPUTING WITH DISK OPERATING
SYSTEM (RAX-DOS) OPERATIONS MANUAL
PROGRAM NUMBER 5799-AAA

39 Time Sharing

G320-1408 S/360-S/370 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE
COMPUTING (MUSIC) ANNOUNCEMENT NOTICE - IUP NUMBER 5796-AAT

**G320-1238 S/360 - S/370 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE
COMPUTING GENERAL INFORMATION MANUAL - PROGRAM NUMBER
5796-AAT

**SH20-1103 S/360 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE COMPUTING
(MUSIC) PROGRAM DESCRIPTION OPERATIONS MANUAL - IUP NUMBER
5796-AAT

**SH20-1104 S/360-S/370 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE
COMPUTING (MUSIC) USER'S GUIDE - IUP NUMBER 5796-AAT

**LY20-0757 SYSTEM GUIDE FOR S/360/370 MCGILL UNIVERSITY SYSTEM FOR
INTERACTIVE COMPUTING (MUSIC) - PROGRAM NUMBER 5796-AAT

40 System Operation

GB21-0553 OPERATOR TRAINING - DOS CONSOLE SIMULATION DRILLS: BASIC
TRAINING COURSE A3609 (PROG. NO. 5798-AJM), CUSTOMER PROBLEM
DETERMINATION COURSE A3611 (PROG. NO. 5798-AJN),
AND MULTIPROGRAMMING COURSE A3612 (PROG. NO. 5798-AJP)
FIELD DEVELOPED PROGRAMS-AVAILABILITY NOTICE

SB21-0554 DOS BASIC OPERATOR TRAINING - PROGRAM
DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AJM

LB21-0555 DOS BASIC OPERATOR TRAINING - SYSTEMS GUIDE
FIELD DEVELOPED PROGRAM - PROGRAM NUMBER 5798-AJM

SB21-0557 DOS CUSTOMER PROBLEM DETERMINATION OPERATOR TRAINING
PROGRAM DESCRIPTION/OPERATIONS MANUAL - FIELD DEVELOPED
PROGRAM - PROGRAM NUMBER 5798-AJN

LB21-0558 DOS CUSTOMER PROBLEM DETERMINATION OPERATOR TRAINING
FIELD DEVELOPED PROGRAM SYSTEMS GUIDE - PROGRAM NUMBER
5798-AJN

SB21-0560 DOS MULTIPROGRAMMING OPERATOR TRAINING - FIELD DEVELOPED
PROGRAM - PROGRAM DESCRIPTION/OPERATIONS MANUAL
PROGRAM NUMBER 5798-AJP

LB21-0561 DOS MULTIPROGRAMMING OPERATOR TRAINING - SYSTEMS GUIDE
FIELD DEVELOPED PROGRAM - PROGRAM NUMBER 5798-AJP

ITF (Interactive Terminal Facility) - Program Product (20-83)

20 General Information

LY28-6840 INDEX FOR THE OS/DOS ITF PLM, PROG. NOS. 5734-RC1 AND 3,
5736-RC1 AND 2
LT68-6840 IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC MANUAL
PROGRAM NUMBERS 5734-RC1, 5734-RC3, 5736-RC1, 5736-RC2

23 BASIC (see also 29 for PL/I and BASIC or 39 for TSO-ITF PL/I and BASIC)

SC28-6835 IBM SYSTEM/360 OS/DOS ITF: BASIC TERMINAL USER'S GUIDE
PROGRAM NUMBERS 5736-RC2, 5734-RC3
SX28-6814 IBM SYSTEM/360 OS/DOS ITF: BASIC, REFERENCE CARD, PROG. NOS.
5734-RC3 AND 5736-RC2
ST88-6814 IBM SYSTEM/360 OPERATING SYSTEM IBM SYSTEM/360 DISK
OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY BASIC
REFERENCE CARD, PROGRAM NUMBERS 5736-RC2, 5734-RC3
LY28-6836 IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC
LANGUAGE COMPONENT: BASIC ROUTINES
PROGRAM NUMBERS 5736-RC2, 5734-RC3
LYC7-5018 SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY -
BASIC MODULES - MICROFICHE LISTINGS - PROGRAM NUMBER
5734-RC3
LYC7-5015 DOS ITF RELEASE II - BASIC ASSEMBLY LISTINGS - MICROFICHE
PROG. PROD. 5736-RC2

29 PL/I

GC28-6820 OS ITF: PL/I AND BASIC PROGRAM PRODUCT DESIGN OBJECTIVES
PROGRAM NUMBERS 5734-RC1 AND 5734-RC3
GC28-6821 IBM SYSTEM/360 DISK OPERATING SYSTEM
INTERACTIVE TERMINAL FACILITY
PL/I AND BASIC (PROGRAM PRODUCT DESIGN OBJECTIVES)
PROGRAM NUMBERS 5736-RC1, 5736-RC2
GC28-6829 IBM SYSTEM/360 OPERATING SYSTEM
INTERACTIVE TERMINAL FACILITY: PL/I (5734-RC1) AND
BASIC (5734-RC3) SPECIFICATION SHEET
GC28-6830 IBM SYSTEM/360 DISK OPERATING SYSTEM INTERACTIVE
TERMINAL FACILITY: PL/I AND BASIC - PPS
PROGRAM NUMBERS: 5736-RC1 5736-RC2
GT28-6830 IBM SYSTEM/360 DISK OPERATING SYSTEM INTERACTIVE TERMINAL
FACILITY: PL/I AND BASIC - PROGRAM NUMBERS 5736-RC1
5736-RC2
SC28-6833 IBM SYSTEM/360 OS/DOS ITF: PL/I INTRODUCTION
PROGRAM NUMBERS 5734-RC1, 5736-RC1
ST28-6833 IBM SYSTEM/360 OS/DOS ITF: PL/I INTRODUCTION PROGRAM
NUMBERS 5734-RC1, 5736-RC1
GC28-6825 IBM SYSTEM/360 OS/DOS AND OS (TSO) ITF: PL/I AND BASIC
GENERAL INFORMATION, PROG. NOS. 5734-RC1/2/3/4, 5736-RC1/2
GT28-6825 IBM SYSTEM/360 OPERATING SYSTEM, DISK OPERATING SYSTEM
INTERACTIVE TERMINAL FACILITY: PLI AND BASIC
GENERAL INFORMATION - PROGRAM NUMBERS 5736-RC1, 5736-RC2
SC28-6834 IBM SYSTEM/360 OS/DOS ITF: PL/I TERMINAL USER'S GUIDE
PROGRAM NUMBERS 5734-RC1, 5736-RC1
SX28-6813 IBM SYSTEM/360 OS/DOS ITF: PLI REFERENCE CARD
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ST88-6813 IBM SYSTEM/360 OS/DOS ITF: PL/I REFERENCE CARD
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LY28-6835 IBM SYSTEM/360 OS/DOS ITF PL/I PROGRAM LOGIC
LANGUAGE COMPONENT: PL/I ROUTINES
PROGRAM NUMBERS 5734-RC1, 5736-RC1
LYC7-5016 IBM SYSTEM OPERATING SYSTEM
INTERACTIVE TERMINAL FACILITY - MICROFICHE LISTINGS
PROGRAM NUMBER 5734-RC1
LYC7-5013 IBM DOS/360 ITF PL/I, LISTINGS - PROG. PROD. 5736-RC1

34 System Planning, Generation, Installation, SMF

SC28-6836 IBM SYSTEM/360 OS/DOS ITF INSTALLATION REFERENCE MATERIAL
PROGRAM NUMBERS 5734-RC1, 3; 5736-RC1, 2
ST28-6836 IBM SYSTEM/360 OS/DOS ITF INSTALLATION REFERENCE MATERIAL
PROGRAM NUMBERS 5734-RC1, 5734-RC3, 5736-RC1, 5736-RC2

36 Control Program

LY28-6832 IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC INTRODUCTION AND
METHOD OF OPERATION
PROGRAM NUMBERS 5734-RC1, 5734-RC3, 5736-RC1, 5736-RC2
LT68-6832 IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC MANUAL
INTRODUCTION AND METHOD OF OPERATION
PROGRAM NUMBERS 5734-RC1, RC3; 5736-RC1, RC2
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LY28-6833 IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC
INITIALIZATION SYSTEM CONTROL, AND SYSTEM SUPPORT
PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 5734-RC1,
5734-RC3, 5736-RC1, 5736-RC2

LT68-6833 IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC MANUAL
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PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 5734-RC1,
5734-RC3, 5736-RC1, 5736-RC2

LY28-6834 IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC
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5736-RC1, 5736-RC2

LT68-6834 IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC LANGUAGE
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PROGRAM NUMBERS 5734-RC1, 5734-RC3, 5736-RC1, 5736-RC2

LY28-6837 IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC
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PROGRAM NUMBERS 5734-RC1, RC3, 5736-RC1, RC2

LYC7-5006 IBM SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL
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5734-RC3

LYC7-5008 IBM SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL
FACILITY - MICROFICHE LISTINGS - PROGRAM NUMBERS 5734-RC1,
5734-RC3

LYC7-5009 IBM SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL
FACILITY - MICROFICHE LISTINGS - PROGRAM NUMBERS 5734-RC1,
5734-RC3

LYC7-5010 IBM SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL
FACILITY MICROFICHE LISTINGS - PROGRAM NUMBERS 5734-RC1,
5734-RC3

LYC7-5011 IBM SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL
FACILITY - MICROFICHE LISTINGS - PROGRAM NUMBERS 5734-RC1,
5734-RC3

LYC7-5017 IBM OS/360 ITF SHARED - PROG. PROD. 5734-RC1/RC3

LYC7-5014 DOS ITF RELEASE II - SHARED ASSEMBLY LISTINGS - MICROFICHE

39 Time Sharing

GC28-6831 IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION)
INTERACTIVE TERMINAL FACILITY: PL/1 AND BASIC
PROGRAM PRODUCT SPECIFICATIONS
PROGRAM NUMBERS 5734-RC2, 5734-RC4

SC28-6838 IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION)
INTERACTIVE TERMINAL FACILITY: PL/1 INTRODUCTION
PROGRAM NUMBER 5734-RC2

SC28-6839 IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION)
INTERACTIVE TERMINAL FACILITY: PL/1 TERMINAL USER'S GUIDE
PROGRAM NUMBER 5734-RC2

SC28-6840 IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION)
INTERACTIVE TERMINAL FACILITY: BASIC TERMINAL USER'S GUIDE
PROGRAM NUMBER 5734-RC4

SC28-6841 IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION)
INTERACTIVE TERMINAL FACILITY INSTALLATION REFERENCE MANUAL
PROGRAM NUMBERS 5734-RC2, 5734-RC4

LY28-6845 IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION)
INTERACTIVE TERMINAL FACILITY PROGRAM LOGIC INDEX
PROGRAM NUMBERS 5734-RC2, 5734-RC4

LY28-6842 IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION)
INTERACTIVE TERMINAL FACILITY PROGRAM LOGIC INITIALIZATION,
SYSTEM CONTROL, AND SYSTEM SUPPORT
PROGRAM NUMBERS 5734-RC2, 5734-RC4

LYC7-5033 IBM M/360 TSO ITF (PL/I), LISTINGS, PROG. NOS. 5734-RC2, RC4

LYC7-5034 SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION
INTERACTIVE TERMINAL FACILITY (BASIC ONLY)
PROGRAM PRODUCT LISTING MICROFICHE - PROGRAM NUMBER 5734-RC4

LYC7-5035 IBM M/360 TSO ITF (SHARED), LISTINGS PROG. NOS. 5734-RC2, 4

79 Cross-Industry (see also 82)

GH20-4139 STAT/BASIC FOR ITF - SPECIFICATION SHEET
PROGRAM 5734-XA3

GH20-1027 STAT/BASIC FOR SYSTEM/3 AND ITF - GENERAL INFORMATION MANUAL
PROGRAM NUMBERS 5703-XA1, 5734-XA3

SH20-1069 STAT/BASIC FOR SYSTEM/3 AND INTERACTIVE TERMINAL FACILITY
PROGRAM REFERENCE - PROGRAM NUMBERS 5703-XA1, 5734-XA3

SH20-1070 STAT/BASIC FOR INTERACTIVE TERMINAL FACILITY OPERATIONS GUID
PROGRAM NUMBER 5734-XA3

LY20-0728 STAT/BASIC FOR INTERACTIVE TERMINAL FACILITY LOGIC MANUAL
FEATURE NUMBER 8100 - PROGRAM NUMBER 5734-XA3

82 Cross-Industry - Mathematics and Science

**GH20-4326 BUSINESS ANALYSIS/BASIC FOR SYSTEM/3 MODEL 6 AND ITF (OS, DOS, TSO) SPECIFICATIONS - PROGRAM PRODUCTS 5703-XM3 AND 5734-XMB
GH20-1175 BUSINESS ANALYSIS/BASIC FOR SYSTEM/3 BASIC AND SYSTEM/360 AND SYSTEM/370 INTERACTIVE TERMINAL FACILITY GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5703-XM3, 5734-XMB
**SH20-1262 BUSINESS ANALYSIS/BASIC FOR ITF MANUAL - PROGRAM PRODUCT 5734-XMB
**SH20-1264 BUSINESS ANALYSIS/BASIC (CALL-OS) MANUAL
**LY20-0840 BUSINESS ANALYSIS/BASIC LOGIC MANUAL
PROGRAM NOS. 5703-XM3 (S/3 MODEL 6) AND 5734-XMB (ITF-OS, DOS AND TSO)
GH20-4308 MATH/BASIC FOR SYSTEM/3 AND ITF (OS, DOS AND TSO) SPECIFICATIONS - PROGRAM PRODUCT 5703-XM2, 5734-XM8
GH20-1128 MATH/BASIC FOR SYSTEM/3 AND INTERACTIVE TERMINAL FACILITY (ITF) GENERAL INFORMATION MANUAL - PROGRAM NUMBERS 5703-XM2, 5734-XM8
SH20-1157 MATH/BASIC PROGRAM PRODUCT FOR ITF - OPERATOR'S GUIDE
PROGRAM NUMBER 5734-XM8
SH20-1158 MATH/BASIC FOR SYSTEM/3 MODEL 6 AND INTERACTIVE TERMINAL FACILITY (ITF) - PROGRAM PRODUCT REFERENCE MANUAL
PROGRAM NUMBERS 5703-XM2 (S/3 MODEL 6) 5734-XM8 (ITF-OS, DOS AND TOS)
LY20-0804 MATH/BASIC FOR SYSTEM 3 MODEL 6 AND ITF LOGIC MANUAL
PROG. NOS. 5703-XM2 AND 5734-XM8, FEATURE NOS. 8017 AND 8153

TSO (Time Sharing Option) Licensed-Program Publications (20-40)

NOTE: See ITF heading, above, for TSO-ITF. Non-licensed-program TSO publications are listed under subject code 39 in "OS/VS2" or in "OS (Operating System) -- Release Dependent Publications."

21 Assembler

GC26-3734 IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION:
TSO ASSEMBLER PROMPTER DESIGN OBJECTIVES, PROGRAM 5734-CP2
GC26-3782 IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION
ASSEMBLER PROMPTER PROGRAM PRODUCT SPECIFICATIONS
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**SC33-4029 OS TSO ASSEMBLER PROMPTER INSTALLATION REFERENCE MANUAL
PROGRAM NUMBER 5734-CP2
SC26-3740 OS TSO ASSEMBLER PROMPTER USER'S GUIDE, PROG. NO. 5734-CP2
LY26-3737 IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION
ASSEMBLER PROMPTER PROGRAM LOGIC MANUAL PROG. NO. 5734-CP2
LYC7-5037 ASSEMBLER F PROMPTER MICROFICHE LISTING, PROG PROD 5734-CP2
ASSEMBLER F PROMPTER MICROFICHE LISTING, PROG. PROD. 5734-CP

24 COBOL

GC28-6463 IBM OS COBOL INTERACTIVE DEBUG PROGRAM
PRODUCT DESIGN OBJECTIVE - PROGRAM NUMBER 5734-CB4
**SC28-6465 IBM OS COBOL INTERACTIVE DEBUG TERMINAL USER'S GUIDE AND
REFERENCE - PROGRAM NUMBER 5734-CB4
**SC28-6468 IBM OS (TSO) COBOL INTERACTIVE DEBUG INSTALLATION
REFERENCE MATERIAL - PROGRAM NUMBER 5734-CB4
GC28-6454 IBM OS COBOL INTERACTIVE DEBUG AND (TSO) COBOL PROMPTER
GENERAL INFORMATION MANUAL - PROGRAM PRODUCTS 5734-CB4,
5734-CP1
GC28-6435 IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) COBOL
PROMPTER PROGRAM PRODUCT SPECIFICATIONS
PROGRAM NUMBER 5734-CP1
SC28-6434 IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) COBOL
PROMPTER INSTALLATION REFERENCE MATERIAL
5734-CP1
SC28-6433 IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION COBOL
PROMPTER TERMINAL USER'S GUIDE AND REFERENCE INFORMATION
PROGRAM NUMBER 5734-CP1
LY28-6406 SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION
COBOL PROMPTER PROGRAM LOGIC MANUAL, PROGRAM NUMBER 5734-CP1
LYC7-5039 SYSTEM/360 OPERATING SYSTEM FULL COBOL COMPILER
VERSION 3/TIME SHARING OPTION COBOL PROMPTER
PROGRAM NUMBER 5734-CB3
LYC7-5040 IBM SYSTEM/360 OPERATING SYSTEM - TIME SHARING OPTION
COBOL PROMPTER - PROGRAM NUMBERS 5734-CP1, 5734-CB3
GB21-0283 TSO ON-LINE COBOL SYMBOLIC DEBUG - FDP AVAILABILITY NOTICE
PROGRAM NUMBER 5798-AEZ
GB21-9985 TIME SHARING OPTION ON-LINE COBOL SYMBOLIC DEBUG REQUESTS
REFERENCE SUMMARY FOR FDP
SB21-0284 TSO ON-LINE COBOL SYMBOLIC DEBUG
PROGRAM DESCRIPTION/OPERATIONS MANUAL PROG. NO. 5798-AEZ
LB21-0285 TSO ON-LINE COBOL SYMBOLIC DEBUG - SYSTEMS GUIDE
PROGRAM NUMBER 5798-AEZ

25 FORTRAN

SC28-6842 IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION)
CODE AND GO FORTRAN PROCESSOR-TERMINAL USER'S GUIDE
PROGRAM NUMBERS 5734-FO1, 5734-LM1

GC28-6881 FORTRAN INTERACTIVE DEBUG FOR OS (TSO) AND VM/370(CMS)
PROGRAM PRODUCT DESIGN OBJECTIVES, PROG. NO. 5734-FO5

**GC28-6888 FORTRAN INTERACTIVE DEBUG FOR OS (TSO) PPS PROG. NO. 5734-FO5

**SC28-6886 FORTRAN INTERACTIVE DEBUG FOR OS (TSO) INSTALLATION
REFERENCE MATERIAL PROGRAM NUMBER 5734-FO5

**SC28-6885 FORTRAN INTERACTIVE DEBUG FOR OS (TSO) TERMINAL USER'S
GUIDE - PROGRAM PRODUCT 5734-FO5

**SX28-8193 IBM FORTRAN INTERACTIVE DEBUG FOR OS (TSO) AND VM/370 (CMS)
REFERENCE CARD - PROGRAM NUMBER 5734-FO5

GC28-6857 IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION FORTRAN
PROMPTER - PROGRAM PRODUCT SPECIFICATION

SC28-6856 FORTRAN IV (G1) PROCESSOR AND TSO FORTRAN PROMPTER FOR OS
AND VM/370 (CMS): INSTALLATION REFERENCE MATERIAL, PROG.
NOS. 5734-FO2, 5734-CP3

SC28-6855 IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION)
TERMINAL USER'S SUPPLEMENT FOR FORTRAN IV (G1) PROCESSOR
AND TSO FORTRAN - PROGRAM PRODUCT MANUAL 5734-FO2,CP3,LM1

LY28-6410 IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION FORTRAN
PROMPTER - PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5734-CP3

LYC7-5032 SYSTEM/360 TIME SHARING OPTION FORTRAN PROMPTER VERSION 7
PROGRAM NUMBER 5734-CP3

29 PL/I

SC33-0033 OS TIME SHARING OPTION: PL/I CHECKOUT COMPILER

SC33-0029 OS TIME SHARING OPTION: PL/I OPTIMIZING COMPILER, PROG. NOS.
5734-PL1, -LMA, AND -LM5 OR (COMPOSITE PACKAGE) 5734-PL3

32 Utilities

GC28-6768 OS/MVT AND OS/VS2 TSO DATA UTILITIES: COPY, FORMAT, LIST, &
MERGE - PPS - PROG. NO. 5734-UT1

SC28-6767 OS/MVT AND OS/VS2 TSO DATA
UTILITIES: COPY, FORMAT, LIST, MERGE SYSTEM INFORMATION
PROGRAM PRODUCT - PROGRAM NUMBER 5734-UT1

SC28-6765 OS/MVT AND OS/VS2 TSO DATA UTILITIES: COPY, FORMAT, LIST &
MERGE: USER'S GUIDE AND REFERENCE, PROG. NO. 5734-UT1

LY28-6766 IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION DATA
UTILITIES: COPY, FORMAT, LIST, MERGE
PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5734-UT1

**LYC7-2300 ASSEMBLY LISTING MICROFICHE FOR TSO DATA UTILITIES - PROGRAM
PRODUCT 5734-UT1

39 TIME SHARING

**GH20-4315 CPS UNDER TSO PRPQ SPECIFICATIONS PROGRAM NUMBER 5799-ADY

**SH20-1198 CPS UNDER TSO BASIC TERMINAL USER'S MANUAL (PRPQ)-ADY

**SH20-1197 CPS UNDER TSO - TERMINAL USER'S MANUAL (PRPQ)-ADY

**SH20-1199 CPS UNDER TSO OPERATOR'S GUIDE (PRPQ) 5799-ADY

**LY20-1200 CPS UNDER TSO LOGIC MANUAL (PRPQ) 5799-ADY

82 Cross-Industry Mathematics and Science

**GH12-5102 SYSTEM/360 AND SYSTEM/370 MATRIX SYSTEM (MATSYS) (OS AND
TSO) GENERAL INFORMATION MANUAL - PROGRAM PRODUCT 5734-XM7

**SH12-5403 MATRIX SYSTEM (MATSYS) (OS AND TSO) - PROGRAM REFERENCE
MANUAL - PROGRAM NUMBER 5734-XM7

**LY12-5002 MATRIX SYSTEM MATRIX LOGIC MANUAL - PROGRAM PRODUCT 5734-XM7

**LYA2-5201 IBM SYSTEM/360 AND SYSTEM/370 (OS/TSO) MATRIX INTERPRETATIVE
SYSTEM (MATSYS) PROGRAM LISTING - PROGRAM PRODUCT 5734-XM7

LICENSED APPLICATION PROGRAMS (60-83)

60 Industries - General Information

GH20-0522 BIBLIOGRAPHY OF APPLICATION PUBLICATIONS - DISTRIBUTION INDUSTRIES

GC20-1747 BIBLIOGRAPHY OF APPLICATION PUBLICATIONS EDUCATION INDUSTRY

GH20-0507 APPLICATION BIBLIOGRAPHY FINANCE AND SECURITIES INDUSTRIES

GH20-0536 BIBLIOGRAPHY OF APPLICATION PUBLICATIONS INSURANCE INDUSTRY

GH20-0531 BIBLIOGRAPHY OF APPLICATION PUBLICATIONS - MEDIA INDUSTRIES

GH20-0970 BIBLIOGRAPHY OF APPLICATION PUBLICATIONS MEDICAL INDUSTRIES

GH20-0530 BIBLIOGRAPHY OF APPLICATION PUBLICATIONS, PUBLIC UTILITY INDUSTRIES

GC20-1740 STATE AND LOCAL GOVERNMENT INDUSTRIES BIBLIOGRAPHY

63 Distribution

GH20-0764 SYSTEM/360 AGRIBUSINESS MANAGEMENT INFORMATION SYSTEM
APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-D51

SH20-0846 SYSTEM/360 AGRIBUSINESS MANAGEMENT INFORMATION SYSTEM
PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5736-D51

SH20-0847 SYSTEM/360 AGRIBUSINESS MANAGEMENT INFORMATION SYSTEM
OPERATIONS MANUAL PROGRAM NUMBER 5736-D51

LY20-0579 SYSTEM/360 AGRIBUSINESS MANAGEMENT INFORMATION SYSTEM
SYSTEM MANUAL FEATURE CODE 8012 PROGRAM NUMBER 5736-D51

GH20-4049 SYSTEM/360 CONSUMER GOODS SYSTEM (COGS) ALLOCATION (OS)
PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-D32

**GH20-4408 SYSTEM/360 CONSUMER GOODS SYSTEM (COGS) - ALLOCATION (OS)
FUNCTIONAL DESCRIPTION - PROGRAM NUMBER 5734-D32

GH20-4022 CONSUMER GOODS SYSTEMS (COGS) - ALLOCATION
PROGRAM PRODUCT SPECIFICATIONS, PROG. NO. 5736-D31

**GH20-4410 CONSUMER GOODS SYSTEM (COGS) ALLOCATION
FUNCTIONAL DESCRIPTION - PROGRAM PRODUCT 5736-D31

GH20-0721 SYSTEM/360 CONSUMER GOODS SYSTEM (COGS)
ALLOCATION (DOS) (OS) APPLICATION DESCRIPTION MANUAL
PROGRAM NUMBERS (DOS) 5736-D31, (OS) 5734-D32

SH20-0821 CONSUMER GOODS SYSTEM (COGS) ALLOCATION (DOS) (OS)
PROGRAM DESCRIPTION, PROGRAM NUMBERS DOS 5736-D31,
OS 5734-D32

SH20-0820 CONSUMER GOODS SYSTEM (COGS) ALLOCATION (DOS) (OS)
OPERATIONS MANUAL, PROGRAM NUMBERS DOS-5736-D31, OS-5734-D32

LY20-0622 CONSUMER GOODS SYSTEM (COGS) ALLOCATION (OS) SYSTEM MANUAL
PROGRAM NUMBER 5734-D32

GH20-4048 SYSTEM/360 CONSUMER GOODS SYSTEM (COGS) FORECASTING (OS)
PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-D33

**GH20-4409 SYSTEM/360 CONSUMER GOODS SYSTEM (COGS) FORECASTING
(OS) FUNCTIONAL DESCRIPTION - PROGRAM NUMBER 5734-D33

GH20-4023 THE CONSUMER GOODS SYSTEMS (COGS) - FORECASTING
PROGRAM NUMBER 5736-D32

**GH20-4418 THE CONSUMER GOODS SYSTEM (COGS - FORECASTING FUNCTIONAL
DESCRIPTION) - PROGRAM PRODUCT - 5736-D32

GH20-0722 SYSTEM/360 CONSUMER GOODS SYSTEM (COGS) FORECASTING (DOS)
(OS) - APPLICATION DESCRIPTION MANUAL - PROGRAM NUMBER
DOS 5736-D32, OS 5734-D33

SH20-0804 SYSTEM/360 CONSUMER GOODS SYSTEM (COGS) FORECASTING
PROGRAM DESCRIPTION MANUAL (PROGRAM NUMBER 5736-D32)

SH20-0803 CONSUMER GOODS SYSTEM (COGS) FORECASTING (DOS) (OS)
OPERATIONS MANUAL, PROGRAM NUMBERS DOS 5736-D32, OS 5734-D33

LY20-0621 CONSUMER GOODS SYSTEM (COGS), FORECASTING (OS),
SYSTEM MANUAL, PROGRAM NUMBER 5734-D33

**G320-1425 DISTRIBUTION ORDER ENTRY SYSTEM ANNOUNCEMENT NOTICE - IUP
NUMBER 5796-ABT

**SH20-1321 DISTRIBUTION ORDER ENTRY SYSTEM LAG DRUG COMPANY
CHICAGO, ILLINOIS - PROGRAM DESCRIPTION/OPERATIONS MANUAL
PROG. NO. 5796-ABT

**G320-8062 DISTRIBUTION ORDER ENTRY SYSTEM SYSTEM/370 AND 3270'S - IUP

GH20-4142 FASHION REPORTER PROGRAM PRODUCT SPECIFICATIONS
PROGRAM NUMBER 5736-D11

GH20-0935 IBM FASHION REPORTER: APPLICATION DESCRIPTION, PROG. NO.
5736-D11

SH20-1053 IBM FASHION REPORTER, PROGRAM DESCRIPTION MANUAL,
PROGRAM NUMBER 5736-D11

SH20-1054 IBM FASHION REPORTER, OPERATIONS MANUAL
PROGRAM NUMBER 5736-D11

**GH20-1241 IBM FASHION REPORTER, USER'S GUIDE - PROGRAM NUMBER 5736-D11

LY20-0717 IBM FASHION REPORTER PROGRAM PRODUCT SYSTEM MANUAL
PROGRAM NUMBER 5736-D11

**G320-8065 TWIN FAIR PO MGMT SYSTEM - IUP # 5796-ADB

**G320-1418 ON-LINE ORDER SYSTEM - JAMES ALLAN AND SONS - ANNOUNCEMENT
NOTICE - IUP NUMBER 5796-ABK

GH20-0604 SYSTEM/360 ORDER ALLOCATION SYSTEM
APPLICATION DESCRIPTION MANUAL - 5736-D41

SH20-0726 SYSTEM/360 ORDER ALLOCATION SYSTEM
PROGRAM DESCRIPTION MANUAL
PROGRAM NUMBER 5736-D41

SH20-0728 ORDER ALLOCATION SYSTEM OPERATIONS MANUAL
PROGRAM NUMBER 5736-D41

LY20-0496 SYSTEM/360 ORDER ALLOCATION SYSTEM SYSTEM MANUAL
PROGRAM NUMBER 5736-D41

**G320-1525 IBM WAREHOUSE SIMULATOR AVAILABILITY NOTICE IUP 5796-PBK
5796-PBK

**SH20-1122 IBM WAREHOUSE SIMULATOR PROGRAM DESCRIPTION/OPERATIONS
MANUAL - IUP NUMBER 5796-PBK

**LY20-0766 IBM WAREHOUSE SIMULATOR SYSTEMS GUIDE - IUP NUMBER 5796-PBK

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**GB21-0734 ARITHMETIC PROFICIENCY TRAINING PROGRAM USING SYSTEM/360 FOR
SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-ALY

**SB21-0735 ARITHMETIC PROFICIENCY TRAINING PROGRAM USING SYSTEM/360 FOR
SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP
NUMBER 5798-ALY

****LB21-0736** ARITHMETIC PROFICIENCY TRAINING PROGRAM USING SYSTEM/360,
 370 SYSTEMS GUIDE - FDP NUMBER 5798-ALY
GH20-0735 COURSEWRITER III FOR SYSTEM/360 (OS AND DOS) VERSION 2
 APPLICATION DESCRIPTION MANUAL - PROG. NOS. 5734-E12,
 360A-UX-01X
SH20-0744 COURSEWRITER III FOR SYSTEM/360 (OS) VERSION 2
 OPERATOR'S GUIDE PROGRAM NUMBER 5734-E12
GX20-1780 COURSEWRITER III SYSTEM STUDENT/MONITOR REFERENCE CARD
 PROGRAM NUMBERS 5734-E12 360A-UX-01X
GX20-1781 IBM AUTHOR'S COURSEWRITER III REFERENCE CARD
 PROGRAM NUMBERS 360A-UX-01X, 5734-E12
GX20-1782 IBM SUPERVISOR'S COURSEWRITER III REFERENCE CARD
 PROGRAM NUMBERS 5734-E12, 360A-UX-01X
LY20-0495 COURSEWRITER III FOR SYSTEM/360 (OS) VERSION 2
 PROGRAMMER'S GUIDE
 PROGRAM NUMBER 5734-E12 FEATURE CODE 8000
GH20-4301 COURSEWRITER III/OS VERSION 3 - SPECIFICATION SHEET
 PROGRAM NUMBER 5734-E13
GH20-4128 COURSEWRITER III/DOS VERSION 3 - SPECIFICATION SHEET
 PROGRAM NUMBER 5736-E11
GH20-0987 COURSEWRITER III, VERSION 3 APPLICATION DESCRIPTION MANUAL
 PROGRAM NUMBERS 5734-E13, 5736-E11
SH20-1009 COURSEWRITER III, VERSION 3 AUTHOR'S GUIDE - OPERATING
 SYSTEM AND DISK OPERATING SYSTEM
 PROGRAM NUMBERS 5734-E13, 5736-E11
GX20-1833 COURSEWRITER III VERSION 3 AUTHOR'S REFERENCE CARD
 PROGRAM NUMBERS 5736-E11 (DOS) 5734-E13 (OS)
SH20-1022 COURSEWRITER III/OS VERSION 3 - OPERATOR'S GUIDE
 PROGRAM NUMBER 5734-E13
SH20-1012 COURSEWRITER III, VERSION 3 OPERATOR'S GUIDE
 DISK OPERATING SYSTEM - PROGRAM NUMBERS 5736-E11
SH20-1010 COURSEWRITER III, VERSION 3 STUDENT/MONITOR USER'S GUIDE
 OPERATING SYSTEM AND DISK OPERATING SYSTEM
 PROGRAM NUMBERS 5734-E13, 5736-E11
GX20-1834 COURSEWRITER III, VERSION 3 STUDENT REFERENCE CARD
 OPERATING HINTS - PROGRAM NUMBER 5736-E11 (DOS)
 5734-E13 (OS)
GX20-1832 COURSEWRITER III VERSION 3 MONITOR REFERENCE CARD PROGRAM
 NUMBERS 5736-E11 (DOS) 5734-E13 (OS)
SH20-1011 COURSEWRITER III, VERSION 3 SUPERVISOR'S GUIDE
 OPERATING SYSTEM AND DISK OPERATING SYSTEM
 PROGRAM NUMBERS 5734-E13, 5736-E11
GX20-1835 COURSEWRITER III, VER(SION 3 SUPERVISOR'S REFERENCE CARD
 PROGRAM NUMBERS 5736-E11 (DOS) 5734-E13 (OS)
LY20-0691 COURSEWRITER III/OS VERSION 3 SYSTEM PROGRAMMERS GUIDE
 PROG. NO. 5734-E13
LY20-0679 COURSEWRITER III, VERSION 3 DISK OPERATING SYSTEM
 SYSTEM PROGRAMMER'S GUIDE - PROGRAM NUMBER 5736-E11
LYB0-0785 COURSEWRITER III, VERSION 3 OS LISTINGS - MICROFICHE
 PROGRAM NUMBER 5734-E13
LYB0-0784 COURSEWRITER III, VERSION 3 OS FLOWCHARTS - MICROFICHE
 PROGRAM NUMBER 5734-E13
LYB0-0720 COURSEWRITER III, DOS VERSION 3 LISTINGS - MICROFICHE
 PROGRAM NUMBER 5736-E11
LYB0-0721 COURSEWRITER III; DOS VERSION 3 FLOWCHARTS
 MICROFICHE - PROGRAM NUMBER 5736-E11
****GH20-4322** EPIC: BUDGET/FINANCE SPECIFICATIONS - PROGRAM NUMBER
 5735-E93
****SH20-1252** EPIC: BUDGET/FINANCE OPERATIONS FUIDE - PROGRAM NUMBER
 5735-E93
****SH20-1253** EPIC: BUDGET/FINANCE USER'S GUIDE - PROGRAM NUMBER 5735-E93
****LY20-0837** EPIC: BUDGET/FINANCE LOGIC MANUAL - PROGRAM NUMBER 5735-E93
****GH20-4332** EPIC: FAST TEST SCORING SYSTEM PROGRAM PRODUCT
 SPECIFICATIONS - PROGRAM NUMBER 5735-E92
****SH20-1282** EPIC: FAST STUDENT TESTING SYSTEM FOR EDUCATIONAL
 INSTITUTIONS OPERATIONS GUIDE - PROGRAM NUMBER 5735-E92
****SH20-1283** EPIC: FAST STUDENT TESTING SYSTEM FOR EDUCATIONAL
 INSTITUTIONS USER'S MANUAL - PROG. NO. 5735-E92
****LY20-0848** EPIC: FAST STUDENT TESTING SYSTEM FOR EDUCATIONAL
 INSTITUTIONS LOGIC MANUAL - PROGRAM NUMBER 5735-E92
****GH20-4317** EPIC SOCRATES STUDENT SCHEDULING SYSTEM
 SPECIFICATION SHEET - PROG. NO. 5735-E91
GH20-1129 EPIC SOCRATES STUDENT SCHEDULING SYSTEM FOR EDUCATIONAL
 INSTITUTIONS - PROGRAM PRODUCT GENERAL INFORMATION
 PROGRAM NUMBER 5735-E91
****SH20-1245** EPIC: SOCRATES OPERATION'S GUIDE - PROGRAM NUMBER 5735-E91
****SH20-1242** EPIC: SOCRATES (STUDENT SCHEDULING SYSTEM FOR EDUCATIONAL
 INSTITUTIONS) USER'S GUIDE - PROGRAM NUMBER 5735-E91
****LY20-0835** EPIC: SOCRATES LOGIC MANUAL - PROGRAM NUMBER 5735-E91
****GH20-4331** EPIC: STUDENT PROGRAM PRODUCT SPECIFICATION - PROGRAM NUMBER
 5735-E94
****SH20-1281** EPIC: STUDENT RECORD SYSTEM FOR EDUCATIONAL
 INSTITUTIONS OPERATIONS GUIDE
 PROGRAM NUMBER 5735-E94

**SH20-1284 EPIC: STUDENT - STUDENT RECORD SYSTEM FOR EDUCATIONAL INSTITUTIONS USER'S GUIDE - PROGRAM NUMBER 5735-E94
 **G320-1439 S/360/370 FILM LIBRARY MANAGEMENT SYSTEM (FILMS) ANNOUNCEMENT NOTICE FOR IUP 5796-ACW (UNIV. OF IOWA)
 **GH20-4314 INTERACTIVE TRAINING SYSTEM - PROGRAM NUMBER 5734-XXC COURSE STRUCTURING FEATURE 5734-XXC
 GH20-1170 INTERACTIVE TRAINING SYSTEM - GENERAL INFORMATION MANUAL PROGRAM NUMBER 5734-XXC
 **SH20-1216 INTERACTIVE TRAINING SYSTEM PROGRAM REFERENCE MANUAL PROGRAM NUMBER 5734-XXC
 **SH20-1214 INTERACTIVE TRAINING SYSTEM OPERATIONS GUIDE - PROGRAM NUMBER 5734-XXC
 **SH20-1215 INTERACTIVE TRAINING SYSTEM TERMINAL USER'S GUIDE - PROGRAM NUMBER 5734-XXC
 **SH20-1213 INTERACTIVE TRAINING SYSTEM COURSE AUTHORIZING GUIDE - PROGRAM NUMBER 5734-XXC
 **SH20-1217 INTERACTIVE TRAINING SYSTEM SUPERVISOR'S GUIDE - PROGRAM NUMBER 5734-XXC
 **LY20-0819 INTERACTIVE TRAINING SYSTEM LOGIC MANUAL VOLUME I (BASIC PROGRAM) - PROGRAM NUMBER 5734-XXC
 **LY20-0820 INTERACTIVE TRAINING SYSTEM LOGIC MANUAL VOLUME 2 (FLOWCHARTS) - PROGRAM NUMBER 5734-XXC
 **LY20-0821 INTERACTIVE TRAINING SYSTEM LOGIC MANUAL COURSE STRUCTURING FEATURE - PROGRAM NUMBER 5734-XXC
 **LYB0-0824 INTERACTIVE TRAINING SYSTEM MICROFICHE LISTINGS - PROGRAM NUMBER 5734-XXC

65 Engineering (see also codes 72, 82 and 83)

GH20-4137 ELECTRONIC CIRCUIT ANALYSIS PROGRAM II (ECAP-II) FOR THE OPERATING SYSTEM AND 1130 SYSTEM - SPECIFICATIONS SHEET PROGRAM NUMBERS 5734-EE1 AND 5711-EE1
 GH20-0983 ELECTRONIC CIRCUIT ANALYSIS PROGRAM II (ECAP II) FOR THE IBM OPERATING SYSTEM AND 1130 COMPUTING SYSTEM: APPLICATION DESCRIPTION, PROG. NOS. 5734-EE1, 5711-EE1
 SH20-1015 ELECTRONIC CIRCUIT ANALYSIS PROGRAM II (ECAP II) FOR THE IBM OPERATING SYSTEM AND 1130 COMPUTING SYSTEM PROGRAM DESCRIPTION MANUAL, PROG. NOS. 5734-EE1, 5711-EE1
 SH20-1025 ELECTRONIC CIRCUIT ANALYSIS PROGRAM II (ECAP II) FOR THE IBM OPERATING SYSTEM - OPERATIONS MANUAL PROGRAM NUMBER 5734-EE1
 LY20-0692 ELECTRONIC CIRCUIT ANALYSIS PROGRAM II (ECAP II) FOR THE IBM OPERATING SYSTEM AND 1130 COMPUTING SYSTEM - SYSTEM MANUAL FEATURE NUMBER 8095 - PROGRAM NUMBERS 5734-EE1, 5711-EE1
 **GH20-0598 RIGID FRAME SELECTION PROGRAM (RFSP): APPLICATION DESCRIPTION, PROG. NOS. 1130-EC-09X, 5734-EC1, 5736-EC1
 SH20-0613 RIGID FRAME SELECTION PROGRAM RFSP PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5734-EC1 5736-EC1
 SH20-0612 RIGID FRAME SELECTION PROGRAM (RFSP) OPERATIONS MANUAL PROGRAM NUMBER 1130-EC-09X 5734-EC1 5736-EC1
 **GY20-0316 RIGID FRAME SELECTION PROGRAM (RFSP): SYSTEM MANUAL VOLUME 1 PROG. NOS. 1130-EC-09X, 5734-EC1, 5736-EC1
 LY20-0473 RIGID FRAME SELECTION PROGRAM (RFSP) VOLUME 3 - COMPILATION LISTINGS SYSTEM MANUAL PROGRAM NUMBER 5734-EC1 FEATURE CODE 8501
 LY20-0474 RIGID FRAME SELECTION PROGRAM (RFSP) VOLUME 4 - COMPILATION LISTINGS SYSTEM MANUAL PROGRAM NUMBER 5736-EC1 FEATURE CODE 8501

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GH20-4044 SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM (ACIP) PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-F32
 **GH20-4414 SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM (ACIP) FUNCTIONAL DESCRIPTION - PROG. PROD. 5736-F32
 GH20-0775 SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM APPLICATION DESCRIPTION MANUAL, PROGRAM NUMBER 5736-F32
 SH20-0895 SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM PROGRAM DESCRIPTION MANUAL, PROGRAM NUMBER 5736-F32
 SH20-0893 SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM OPERATIONS MANUAL, PROGRAM NUMBER 5736-F32
 SH20-0894 SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM TERMINAL OPERATOR'S MANUAL PROGRAM NUMBER 5736-F32
 LY20-0628 SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM SYSTEM MANUAL - PROGRAM NUMBER 5736-F32 FEATURE NUMBER 8033
 GH20-4121 BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE) SPECIFICATIONS PROGRAM PRODUCT 5736-F31
 GH20-0789 BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE) VERSION 2 APPLICATION DESCRIPTION - PROGRAM NUMBER 5736-F31
 SH20-0997 BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE) VERSION 2 PROGRAM DESCRIPTION MANUAL VOLUME 1: NARRATIVE PROGRAM NUMBER 5736-F31

SH20-0998 BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE) VERSION 2
PROGRAM DESCRIPTION MANUAL VOLUME 2: RECORD LAYOUTS, PROG.
NO. 5736-F31

SH20-0999 BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE) VERSION 2
OPERATIONS MANUAL, PROG. NO. 5736-F31

LY20-0694 BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE) VERSION 2
SYSTEM MANUAL - PROGRAM NUMBER 5736-F31, FEATURE 8005

**GH20-4321 IBM SYSTEM/360 AND SYSTEM/370 OS BUDGETS AND PLANS GENERATOR
BUDPLAN SPECIFICATIONS

**GH19-1042 BUDGETS AND PLANS GENERATOR (BUDPLAN) SPECIFICATIONS
S/360/370 OS AND OS/VS - PROGRAM PRODUCT 5734-F51

**GH19-1038 SYSTEM/360 AND SYSTEM/370 BUDGETS AND PLANS GENERATOR
BUDPLAN GENERAL INFORMATION MANUAL
PROGRAM PRODUCT 5734-F51

**SH19-1040 S/360 AND S/370 BUDGETS AND PLANS GENERATOR (BUDPLAN)
PROGRAM REFERENCE MANUAL - PROGRAM PRODUCT 5734-F51

**SH19-1041 SYSTEM/360 AND SYSTEM/370 BUDGETS AND PLANS GENERATOR
BUDPLAN OPERATIONS GUIDE - PROGRAM PRODUCT 5734-F51

**LY19-1009 SYSTEM/360 AND SYSTEM/370 BUDGETS AND PLANS GENERATOR LOGIC
MANUAL (BUDPLAN) - PROGRAM PRODUCT 5734-F51

GH20-4179 CHECKPROCESSING CONTROL SYSTEM (CPCS) DESIGN OBJECTIVES
PROGRAM PRODUCT 5734-F11

GH20-1008 CHECK PROCESSING CONTROL SYSTEM (CPCS) GENERAL INFORMATION
MANUAL - PROGRAM PRODUCT 5734-F11

**SH20-1300 DEMAND DEPOSIT ACCOUNTING WITH OVERDRAFT BANKING
SYSTEM/360-370 DOS - THE PLANTERS NATIONAL BANK AND TRUST
COMPANY ROCKY MOUNT, NORTH CAROLINA
PROGRAM DESCRIPTION/OPERATIONS MANUAL - PROG. NO. 5796-ABL

**LY20-0770 DEMAND DEPOSIT ACCOUNTING WITH OVERDRAFT BANKING
SYSTEM/360-370 DOS - THE PLANTERS NATIONAL BANK
AND TRUST COMPANY ROCKY MOUNT, NORTH CAROLINA
USER'S GUIDE - PROG. NO. 5796-ABL

**LY20-0769 DEMAND DEPOSIT ACCOUNTING WITH OVERDRAFT BANKING
SYSTEM/360-370 DOS - THE PLANTERS NATIONAL BANK
AND TRUST COMPANY ROCKY MOUNT, NORTH CAROLINA
SYSTEM GUIDE - PROG. NO. 5796-ABL

**GH20-4087 FINANCIAL TERMINAL SYSTEM (FTS) FUNCTIONAL DESCRIPTION SHEET
PROGRAM PRODUCT 5736-F12

GH20-0763 FINANCIAL TERMINAL SYSTEM APPLICATION DESCRIPTION FTS/360
PROGRAM NUMBER 5736-F12

SH20-0870 SYSTEM/360 FINANCIAL TERMINAL SYSTEM,
PROGRAM DESCRIPTION MANUAL, PROGRAM NUMBER 5736-F12

SH20-0871 SYSTEM/360 FINANCIAL TERMINAL SYSTEM, OPERATIONS MANUAL,
PROGRAM NUMBER 5736-F12

SH20-0872 SYSTEM/360 FINANCIAL TERMINAL SYSTEM, PROGRAMMER'S MANUAL,
PROGRAM NUMBER 5736-F12

LY20-0606 SYSTEM/360 FINANCIAL TERMINAL SYSTEM
SYSTEM MANUAL, VOLUME I: FLOWCHART NARRATIVES
PROGRAM NUMBER 5736-F12, FEATURE CODE 8026

LY20-0607 SYSTEM/360 FINANCIAL TERMINAL SYSTEM
SYSTEM MANUAL VOLUME II: FLOWCHARTS
PROGRAM NUMBER 5736-F12 FEATURE CODE 8026

GH20-4304 MARKETABLE SECURITIES INVENTORY SYSTEM PROGRAMMING RPQ
MB4259 - SPECIFICATION SHEET - PROGRAM NUMBER 5799-ABY

SH20-1154 MARKETABLE SECURITIES INVENTORY SYSTEM, PROGRAMMING RPQ
MB4259, PROGRAM REFERENCE MANUAL - PROG. NO. 5799-ABY

SH20-1155 MARKETABLE SECURITIES INVENTORY SYSTEM PROGRAMMING
RPQ MB4259 - PROGRAM NUMBER 5799-ABY
OPERATIONS GUIDE

LY20-0793 MARKETABLE SECURITIES INVENTORY SYSTEM - LOGIC MANUAL
PROGRAM NUMBER 5799-ABY

**GH20-1160 REGISTERED REPRESENTATIVE SYSTEM GENERAL INFORMATION MANUAL
PROGRAM NUMBER 5734-F34

SH20-1159 REGISTERED REPRESENTATIVE SYSTEM PROGRAMMING OVERVIEW
PROGRAM NUMBER 5734-F34

**GH20-4323 IBM SECURITIES ORDER MATCHING (SOM) SPECIFICATIONS - PROGRAM
PRODUCT 5734-F32

GH20-1039 SECURITIES ORDER MATCHING GENERAL INFORMATION MANUAL
PROGRAM NUMBER 5734-F32

**SH20-1224 SECURITIES ORDER MATCHING PROGRAM REFERENCE MANUAL - PROGRAM
NUMBER 5734-F32

**SH20-1225 SECURITIES ORDER MATCHING OPERATIONS GUIDE - PROGRAM
NUMBER 5734-F32

**GH20-1226 SECURITIES ORDER MATCHING SCOPE OPERATIONS GUIDE - PROGRAM
NUMBER 5734-F32

**LY20-0825 SECURITIES ORDER MATCHING LOGIC MANUAL FEATURE NUMBER 8113
PROGRAM NUMBER 5734-F32

**GB21-0764 TELLER CONTROL SYSTEM UNDER CICS/DOS/360-370 ONLINE
AVAILABILITY NOTICE - FDP NUMBER 5798-AND

**SB21-0765 TELLER CONTROL SYSTEM UNDER CICS/DOS/360-370 ONLINE PROGRAM
DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AND

**LB21-0766 TELLER CONTROL SYSTEM UNDER CICS/DOS/360-370 ONLINE SYSTEMS
GUIDE - FDP NUMBER 5798-AND

**SB21-0852 THE TELLER CONTROL SYSTEM UNDER CICS/DOS/360-370 OFF-LINE
 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-APX
 **LB21-0853 TELLER CONTROL SYSTEM UNDER CICS/DOS/360-370 OFF-LINE
 SYSTEMS GUIDE - FDP NUMBER 5798-APX
 **SB21-0777 TELLER CONTROL FOR SYSTEM/370 OS PDOM - FDP NUMBER 5798-ANN
 GB21-0010 2770/1255 REMOTE MICR ENTRY SYSTEM (UNDER DOS BTAM) - FDP
 AVAILABILITY NOTICE - PROG. NO. 5798-AAD
 SB21-0011 2770/1255 REMOTE MICR ENTRY SYSTEM
 PROGRAM DESCRIPTION/OPERATION MANUAL
 PROGRAM NUMBER 5798-AAD
 LB21-0012 2770/1255 REMOTE MICR ENTRY SYSTEM - SYSTEMS GUIDE
 PROGRAM NUMBER 5798-AAD

70 Government, State and Local

GH20-4118 IBM BASIC COURTS SYSTEM SPECIFICATIONS SHEETS
 PROGRAM NUMBER 5736-G26
 GH20-0888 BASIC COURTS SYSTEM (BCS) APPLICATION DESCRIPTION MANUAL,
 PROGRAM NUMBER 5736-G26
 SH20-0963 BASIC COURTS SYSTEM - PROGRAM PRODUCT DESCRIPTION MANUAL
 PROGRAM PRODUCT 5736-G26
 SH20-0964 BASIC COURTS SYSTEM PROGRAM PRODUCT OPERATIONS MANUAL
 PROGRAM NUMBER 5736-G26
 LY20-0656 IBM SYSTEM/360 BASIC COURTS SYSTEM, SYSTEM MANUAL
 PROGRAM NUMBER 5736-G26
 GH20-4148 BACIS (BUDGET ACCOUNTING INFORMATION SYSTEM) FOR PUBLIC
 INSTITUTIONS - PROGRAM PRODUCT SPECIFICATIONS
 PROGRAM NUMBER 5736-G25
 GH20-1002 BUDGET ACCOUNTING INFORMATION SYSTEM (BACIS) FOR PUBLIC
 INSTITUTIONS - GENERAL INFORMATION MANUAL
 PROGRAM NUMBER 5736-G25
 SH20-1150 BUDGET ACCOUNTING INFORMATION SYSTEM (BACIS)
 PROGRAM PRODUCT - OPERATOR'S GUIDE - PROGRAM NUMBER 5736-G25
 SH20-1151 BUDGET ACCOUNTING INFORMATION SYSTEM (BACIS) FOR PUBLIC
 INSTITUTIONS; PROGRAM PRODUCT REFERENCE MANUAL
 PROGRAM NUMBER 5736-G25
 LY20-0792 BUDGET ACCOUNTING INFORMATION SYSTEM (BACIS) FOR PUBLIC
 INSTITUTIONS - LICENSED PROGRAM PRODUCT MANUAL
 PROGRAM NUMBER 5736-G25
 GH20-4085 LAW ENFORCEMENT MANPOWER RESOURCE ALLOCATION SYSTEM
 (LEMRAS) FUNCTIONAL DESCRIPTION - PROGRAM PRODUCT 5736-G21
 GH20-0629 LAW ENFORCEMENT MANPOWER RESOURCE ALLOCATION SYSTEM
 (LEMRAS): APPLICATION DESCRIPTION MANUAL
 PROGRAM NUMBER 5736-G21
 SH20-0695 LAW ENFORCEMENT MANPOWER RESOURCE ALLOCATION SYSTEM (LEMRAS)
 PROGRAM DESCRIPTION MANUAL
 PROGRAM NUMBER 5736-G21
 SH20-0696 LAW ENFORCEMENT RESOURCE ALLOCATION SYSTEM (LEMRAS)
 OPERATIONS MANUAL (5736-G21)
 LY20-0479 LAW ENFORCEMENT MANPOWER RESOURCE ALLOCATION SYSTEM (LEMRAS)
 SYSTEM MANUAL VOLUME I
 (PROGRAM NUMBER 5736-G21 FEATURE CODE 8400)
 LYB0-0480 LAW ENFORCEMENT MANPOWER RESOURCE ALLOCATION SYSTEM (LEMRAS)
 VOLUME 2 LISTINGS - MICROFICHE
 SYSTEM MANUAL PROGRAM NUMBER 5736-G21, FEATURE CODE 8401

71 Insurance

NOTE: The ALIS publications listed below apply to Version 2.
 For publications applying to both Version 1 (360A-IL-09X) and
 Version 2 (5736-N11) of ALIS, see "71 Insurance " in "Type II Programs."

LY20-0418 ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2
 FINANCIAL VALUE PROGRAM SYSTEM MANUAL
 (PROGRAM NUMBER: 5736-N11) (FEATURE CODE 8812)
 LY20-0420 ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2
 POLICY EXHIBIT BALANCE PROGRAM SYSTEM MANUAL
 PROGRAM NUMBER 5736-N11
 LY20-0421 ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2
 POLICY EXHIBIT AND VALUATION INCLUDE (R) AND CALL (S)
 ROUTINES SYSTEM MANUAL
 PROGRAM NUMBER 5736-N11
 LY20-0415 ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2
 POLICY EXHIBIT UPDATE PROGRAM SYSTEM MANUAL
 PROGRAM NUMBER 5736-N11
 LY20-0417 ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2
 POLICY MASTER RECORD FILE INVENTORY PROGRAM SYSTEM MANUAL
 (PROGRAM NUMBER: 5736-N11) (FEATURE CODE: 8811)
 LY20-0419 ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2
 VALUATION SUMMARY PROGRAM SYSTEM MANUAL
 (PROGRAM NUMBER 5736-N11) (FEATURE CODE 8813)
 LY20-0416 ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2
 VALUATION UPDATE PROGRAM SYSTEM MANUAL
 PROGRAM NUMBER 5736-N11

GH20-4231 ALPHA SEARCH INQUIRY/SYSTEM-PPDO - PROGRAM NUMBER 5736-N14
 **GH20-4337 ALPHA SEARCH (INQUIRY SYSTEM SPECIFICATIONS) - PROGRAM
 NUMBER 5736-N14
 **GH20-1188 ALPHA SEARCH INQUIRY SYSTEM, GENERAL INFORMATION MANUAL
 (PROGRAM NUMBER 5736-N14)
 **SH20-1406 ALPHA SEARCH INQUIRY SYSTEM OPERATIONS GUIDE
 **SH20-1405 ALPHA SEARCH INQUIRY SYSTEM PROGRAM REFERENCE MANUAL
 **LY20-0859 ALPHA SEARCH INQUIRY SYSTEM LOGIC MANUAL - PROGRAM PRODUCT
 5736-N14
 G320-1409 CONSOLIDATED FUNCTIONS EQUITY PRODUCTS (CFEP) VARIABLE
 ANNUITIES, MUTUAL FUNDS - DATAMANN INC., ANNOUNCEMENT
 NOTICE INSTALLED USER - PROGRAM NUMBER 5796-AAP
 **SH20-1112 CONSOLIDATED FUNCTIONS EQUITY PRODUCTS VARIABLE ANNUITIES,
 MUTUAL FUNDS DATAMANN, INC. - SUBSIDIARY OF HORACE MANN
 EDUCATORS SPRINGFIELD, ILLINOIS
 PROGRAM DESCRIPTION/OPERATIONS MANUAL
 PROGRAM NUMBER 5796-AAP
 **LY20-0761 CONSOLIDATED FUNCTIONS EQUITY PRODUCTS VARIABLE ANNUITIES,
 MUTUAL FUNDS DATAMANN, INC. - SUBSIDIARY OF HORACE MANN
 EDUCATORS SPRINGFIELD, ILLINOIS - SYSTEMS GUIDE
 PROGRAM NUMBER 5796-AAP
 GH20-4015 CFO AUTOCODER TO ASSEMBLER LANGUAGE INSTRUCTION SET
 TRANSLATOR (CATALIST) PROGRAM NUMBER 5736-XX2
 **GH20-4407 CFO AUTOCODER TO ASSEMBLER LANGUAGE INSTRUCTION SET
 TRANSLATOR (CATALIST) - FUNCTIONAL DESCRIPTION
 PROGRAM PRODUCT 5736-XX2
 GH20-0813 CFO AUTOCODER TO ASSEMBLER LANGUAGE INSTRUCTION SET
 TRANSLATOR (CATALIST) APPLICATION DESCRIPTION MANUAL
 PROGRAM NUMBER 5736-XX2
 SH20-0814 CFO AUTOCODER TO ASSEMBLER LANGUAGE INSTRUCTION SET
 TRANSLATOR (CATALIST) PROGRAM DESCRIPTION AND
 OPERATIONS MANUAL PROGRAM NUMBER 5736-XX2
 GH20-4127 CONSOLIDATED FUNCTIONS ORDINARY II - CFO-II
 SPECIFICATIONS SHEETS - PROGRAM NUMBER 5736-N13
 GH20-0883 CONSOLIDATED FUNCTIONS ORDINARY II (CFO II) SYSTEM,
 APPLICATION DESCRIPTION, PROGRAM NUMBER 5736-N13
 SH20-1024 CONSOLIDATED FUNCTIONS ORDINARY II (CFO II)
 PROGRAM DESCRIPTION MANUAL - VOLUME I
 PROCESSING DESCRIPTION - PROGRAM NUMBER 5736-N13
 SH20-0936 CONSOLIDATED FUNCTION ORDINARY SYSTEM II (CFO II) PROGRAM
 DESCRIPTION VOLUME II: POLICY MASTER RECORD CODE BOOK,
 PROG. NO. 5736-N13
 SH20-0937 CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII)
 MISCELLANEOUS PROGRAM DATA, PROGRAM DESCRIPTION MANUAL
 VOLUME III - PROGRAM NUMBER 5736-N13
 SH20-1017 CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII)
 UTILITY PROGRAM DESCRIPTION MANUAL
 PROGRAM NUMBER 5736-N13
 SH20-1016 CONSOLIDATED FUNCTIONS ORDINARY II SYSTEM (CFOII)
 OPERATIONS MANUAL - PROGRAM NUMBER 5736-N13
 LY20-0681 CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII)
 SYSTEM MANUAL - VOLUME I - PROGRAM NUMBER 5736-N13
 LY20-0682 CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII),
 SYSTEM MANUAL - VOLUME II - PROGRAM NUMBER 5736-N13
 LY20-0683 CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII),
 SYSTEM MANUAL - VOLUME III - PROGRAM NUMBER 5736-N13
 LY20-0684 CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII),
 SYSTEM MANUAL - VOLUME IV - PROGRAM NUMBER 5736-N13
 LY20-0685 CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII),
 SYSTEM MANUAL - VOLUME V - PROGRAM NUMBER 5736-N13
 LY20-0686 CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII),
 SYSTEM MANUAL - VOLUME VI - PROGRAM NUMBER 5736-N13
 LY20-0687 CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII),
 SYSTEM MANUAL - VOLUME VII - PROGRAM NUMBER 5736-N13
 GH20-0283 PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS):
 APPLICATION DESCRIPTION, PROG. NOS. 5736-N21/22/24/25 AND
 360A-IF-10X/11X/13X
 GH20-0501 PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS)
 PROGRAM DESCRIPTION MANUAL
 PROGRAM NUMBERS 360A-IF-10X, 360A-IF-11X, 360A-IF-13X,
 5736-N21
 GH20-0499 PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS)
 AUTOMOBILE PREMIUM PROCESSING PROGRAM DESCRIPTION AND
 SYSTEM MANUAL PROGRAM NUMBERS: 360A-IF-11X, 5736-N21
 LY20-0462 PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS)
 HOMEOWNERS CLAIMS PROCESSING PROGRAM DESCRIPTION AND
 SYSTEM MANUAL
 PROGRAM NUMBER 5736-N21 FEATURE CODE 8002
 LY20-0461 PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS)
 HOMEOWNERS PREMIUM PROCESSING PROGRAM DESCRIPTION
 AND SYSTEM MANUAL, PROG. NO. 5736-N21 FEATURE NO. 8001
 GH20-4199 PALIS ADDITIONAL FILE FACILITY - PROGRAM NUMBER 5736-N22
 PROGRAM PRODUCT DESIGN OBJECTIVES

GH20-4031 PALIS ADDITIONAL FILE FACILITY VERSION 1 MODIFICATION
LEVEL 1 SPECIFICATIONS - PROGRAM PRODUCT 5736-N22
LY20-0587 PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS)
ADDITIONAL FILE FACILITY: SYSTEMS REFERENCE MANUAL,
PROGRAM NUMBER 5736-N22, FEATURE CODE 8007
GH20-4302 PALIS AUTOMOBILE ENHANCEMENT - SPECIFICATION SHEET
PROGRAM NUMBER 5736-N24
LY20-0788 PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS)
AUTOMOBILE ENHANCEMENTS - PROGRAM NUMBER 5736-N24
SYSTEM REFERENCE MANUAL
GH20-1148 PROPERTY AND LIABILITY INFORMATION SYSTEM ENHANCEMENTS
PLANNING MANUAL - PROGRAM NUMBERS 5736-N24 AND 5736-N25
GH20-4307 PALIS HOMEOWNERS ENHANCEMENTS - PROGRAM NUMBER 5736-N25
PROGRAM PRODUCT SPECIFICATIONS
LY20-0800 PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS) HOME
OWNERS ENHANCEMENTS - SYSTEM REFERENCE MANUAL
FEATURE NUMBER 8105 - PROGRAM NUMBER 5736-N25

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GH20-4228 SYSTEM/370 AUTOMATICALLY PROGRAMMED TOOL - PPD0:
BASIC POSITIONING (APT-BP) PROG. NO. 5740-M51
INTERMEDIATE CONTOURING (APT-IC), PROG. NO. 5740-M52
ADVANCED CONTOURING (APT-AC), PROG. NO. 5740-M53
GH20-1233 SYSTEM/370 APT-BP NUMERICAL CONTROL PROCESSOR GENERAL
INFORMATION MANUAL - PROGRAM NUMBER 5740-M51
GH20-1234 SYSTEM/370 APT-1C AND APT-AC NUMERICAL CONTROL PROCESSORS
GENERAL INFORMATION MANUAL - PROGRAM NUMBERS 5740-M52 (IC)
AND 5740-M53 (AC)
GB21-0432 ANALYTICAL PROCESSING TECHNIQUE (APT) UNDER CP-67/CMS
FDP AVAILABILITY NOTICE, PROG. NO. 5798-AGD
SB21-0433 APT UNDER CMS: FDP PROGRAM DESCRIPTION/OPERATIONS MANUAL,
PROG. NO. 5798-AGD
LB21-0434 APT UNDER CP/CMS - PROGRAM NUMBER 5798-AGD
FIELD DEVELOPED PROGRAM-SYSTEMS GUIDE
GH20-4112 OS CAPACITY PLANNING - FINITE LOADING
PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-M54
GH20-4111 OS CAPACITY PLANNING - INFINITE LOADING
PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-M53
SH20-0978 OS CAPACITY PLANNING - INFINITE LOADING,
OS CAPACITY PLANNING - FINITE LOADING, OPERATIONS MANUAL
PROGRAM NUMBERS 5734-M53 AND 5734-M54
**GH20-4013 SYSTEM/360 CAPACITY PLANNING--FINITE LOADING: PROGRAM
PRODUCT SPECIFICATIONS, PROG. NO. 5736-M12
GH20-4014 SYSTEM/360 CAPACITY PLANNING - INFINITE LOADING
PROGRAM PRODUCT SPEC'S PROG. NO. 5736-M11
GH20-0627 SYSTEM/360 CAPACITY PLANNING - INFINITE LOADING
SYSTEM/360 CAPACITY PLANNING - FINITE LOADING
APPLICATION DESCRIPTION MANUAL
PROGRAM NUMBERS: 5736-M11 5736-M12
SH20-0796 SYSTEM/360 CAPACITY PLANNING - INFINITE LOADING
SYSTEM/360 CAPACITY PLANNING - FINITE LOADING
PROGRAM DESCRIPTION MANUAL
PROGRAM NUMBERS 5736-M11, 5736-M12
SH20-0795 SYSTEM/360 CAPACITY PLANNING OPERATIONS MANUAL
PROGRAM PRODUCT 5736-M11, PROGRAM PRODUCT 5736-M12
LY20-0536 SYSTEM/360 CAPACITY PLANNING--FINITE LOADING SYSTEM MANUAL
PROGRAM NUMBER 5736-M12 FEATURE CODE 8022
LY20-0535 SYSTEM/360 CAPACITY PLANNING - INFINITE LOADING
SYSTEM MANUAL PROGRAM NUMBER 5736-M11
FEATURE CODE 8021
**G320-1524 CYCLE-TIME SIMULATOR SYSTEM AVAILABILITY NOTICE - IUP NUMBER
5796-PBG
**SH20-1117 CYCLE-TIME SIMULATOR SYSTEM - PROGRAM DESCRIPTION/OPERATIONS
MANUAL - IUP NUMBER 5796-PBG
**LY20-0763 CYCLE-TIME SIMULATOR SYSTEM SYSTEMS GUIDE
IUP NUMBER 5796-PBG
**GB21-0975 INTERACTIVE PLOTTING POST PROCESSOR FOR APT UNDER CMS
AVAILABILITY NOTICE - FDP NUMBER 5798-ARX
**SB21-0976 INTERACTIVE PLOTTING POST PROCESSOR FOR APT UNDER CMS
PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ATX
GH20-4008 OS/360 INVENTORY CONTROL PROGRAM NUMBER 5734-M52
SPECIFICATION SHEETS
SH20-0776 OS/360 INVENTORY CONTROL PROGRAM DESCRIPTION MANUAL
PROGRAM NUMBER 5734-M52
GH20-0752 OS/360 INVENTORY CONTROL APPLICATION DESCRIPTION MANUAL
(5734-M52)
SH20-0778 OS/360 INVENTORY CONTROL OPERATIONS MANUAL
PROGRAM NUMBER 5734-M52
LY20-0528 OS/360 INVENTORY CONTROL SYSTEM MANUAL
PROGRAM NUMBER 5736-M52 FEATURE CODE 8011
**G320-1526 IBM MULTIPLANT SOURCING ANNOUNCEMENT NOTICE - IUP NUMBER
5796-PBL

**SH20-1123 IBM MULTIPLAN SOURCING PROGRAM DESCRIPTION/OPERATIONS MANUAL
IUP NUMBER 5796-PBL

**LY20-0767 IBM MULTIPLANT SOURCING SYSTEM GUIDE - IUP NUMBER 5796-PBL
GB21-0157 PRODUCT AND INVENTORY COSTING WITH TRENDS FOR USER REPORTING
AND EVALUATION (PICTURE) - DOS - FDP AVAILABILITY NOTICE,
PROG. NO. 5798-ACL

SB21-0158 PRODUCT AND INVENTORY COSTING WITH TRENDS FOR USER REPORTING
AND EVALUATION - PROGRAM NUMBER 5798-ACL
PROGRAM DESCRIPTION/OPERATIONS MANUAL

LB21-0159 PRODUCT AND INVENTORY COSTING WITH TRENDS FOR USER REPORTING
AND EVALUATION - SYSTEMS GUIDE - PROGRAM NUMBER 5798-ACL

GH20-4005 OS/360 REQUIREMENTS PLANNING PROGRAM PRODUCT SPECIFICATIONS
PROGRAM NUMBER 5734-M51

GH20-4110 OS/360 REQUIREMENTS PLANNING SPECIAL FEATURE #6015
PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-M51

GH20-0751 OS/360 REQUIREMENTS PLANNING -
APPLICATION DESCRIPTION MANUAL
PROGRAM NUMBER 5734-M51

SH20-0777 OS/360 REQUIREMENTS PLANNING PROGRAM DESCRIPTION MANUAL
PROGRAM NUMBER 5734-M51

SH20-0782 OS/360 REQUIREMENTS PLANNING PROGRAM PRODUCT 5734-M51
OPERATIONS MANUAL

LY20-0543 OS/360 REQUIREMENTS PLANNING SYSTEM MANUAL
PROGRAM NUMBER 5734-M51

GH20-4133 OS REQUIREMENTS PLANNING EXTENSIONS - SPECIFICATIONS
PROGRAMMING RPQ EA6264 - PROGRAM NUMBER 5799-AAY

SH20-1067 SYSTEM/360 OPERATING SYSTEM REQUIREMENTS PLANNING
EXTENSIONS (PROGRAMMING RPQ EA6264) - PROGRAM DESCRIPTION
AND OPERATIONS MANUAL - PROGRAM NUMBER 5799-AAY

**LY20-0729 OS REQUIREMENTS PLANNING EXTENSIONS (PROGRAMMING RPQ
EA6264) - SYSTEM MANUAL - PROG. NO. 5799-AAY

GH20-4012 SYSTEM/360 REQUIREMENTS PLANNING INTERFACE
PROGRAM NUMBER 5736-M13

SH20-0790 SYSTEM/360 REQUIREMENTS PLANNING INTERFACE 5736-M13
PROGRAM DESCRIPTION MANUAL
PROGRAM NUMBER 5736-M13

SH20-0791 SYSTEM/360 REQUIREMENTS PLANNING INTERFACE (5736-M13)
OPERATIONS MANUAL

LY20-0537 SYSTEM/360 REQUIREMENTS PLANNING INTERFACE SYSTEM MANUAL
PROGRAM NUMBER 5736-M13

GH20-4113 OS SHOP FLOOR CONTROL, PROGRAM NUMBER 5734-M31
PROGRAM PRODUCT SPECIFICATION SHEET

**GH20-4415 SHOP FLOOR CONTROL FUNCTIONAL DESCRIPTION - PROGRAM PRODUCT
5736-M31

GH20-0753 SYSTEM/360 SHOP FLOOR CONTROL APPLICATION DESCRIPTION MANUAL
PROGRAM NUMBER 5736-M31

SH20-0828 SHOP FLOOR CONTROL, PROGRAM NUMBERS 5736-M31 (DOS),
5734-M31 (OS) - PROGRAM DESCRIPTION MANUAL

SH20-0986 OS SHOP FLOOR CONTROL OPERATIONS MANUAL
PROGRAM NUMBER 5734-M31

SH20-0827 SYSTEM/360 SHOP FLOOR CONTROL 5736-M31 OPERATOR'S MANUAL

GH20-0754 SYSTEM/360 SHOP FLOOR CONTROL DATA BASE MANUAL
PROGRAM NUMBER 5736-M31

LY20-0565 SYSTEM/360 SHOP FLOOR CONTROL 5736-M31 SYSTEM MANUAL

GH20-4135 3330/2305 APT SUPPORT PROGRAMMING RPQ WB5773
PROGRAM NUMBER 5799-ACZ (PRPQ SPECIFICATIONS)

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G320-1520 SCRIPT/370 (5796-PAF) IS READY FOR SHIPMENT
AVAILABILITY NOTICE

**SH20-1114 SCRIPT/370 - PROGRAM DESCRIPTION/OPERATION MANUAL - IUP
NUMBER 5796-PAF

**LY20-0762 SCRIPT/370 SYSTEM GUIDE - IUP NUMBER 5796-PAF

**G320-1516 AN APL TEXT EDITOR AND COMPOSER 5796-PAC IS READY FOR
SHIPMENT - AVAILABILITY NOTICE - PROGRAM NUMBER - 5796-PAC

SH20-1089 AN APL TEXT EDITOR AND COMPOSER PROGRAM DESCRIPTION/
OPERATIONS MANUAL - PROGRAM NUMBER 5796-PAC

LY20-0743 AN APL (OS OR DOS) TEXT EDITOR AND COMPOSER: SYSTEM GUIDE
PROG. NO. 5796-PAC, FEATURE NO. 8009

GE20-0324 SYSTEM/360 TEXT PROCESSOR -- EDIT/360, APPLICATION
DESCRIPTION MANUAL PROGRAM NUMBER 5736-K11

SH20-0712 SYSTEM/360 TEXT PROCESSOR - EDIT/360
PROGRAM DESCRIPTION MANUAL
PROGRAM NUMBER 5736-K11

SH20-0711 SYSTEM/360 TEXT PROCESSOR - EDIT/360 OPERATIONS MANUAL
PROGRAM NUMBER 5736-K11

LY20-0489 SYSTEM/360 TEXT PROCESSOR -- EDIT/360 (DOS)
SYSTEM MANUAL VOLUME I - FLOWCHART NARRATIVES
PROGRAM NUMBER 5736-K11

LY20-0490 SYSTEM/360 TEXT PROCESSOR -- EDIT/360 (DOS)
SYSTEM MANUAL VOLUME II - FLOWCHARTS PROGRAM NUMBER 5736-K11

GH20-4037 SYSTEM/360 TEXT PROCESSOR PAGINATION/360
 PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-K12
 SH20-0833 SYSTEM/360 TEXT PROCESSOR - PAGINATION/360
 PROGRAM DESCRIPTION VOLUME 1
 PROGRAM NUMBER 5736-K12
 SH20-0834 SYSTEM/360 TEXT PROCESSOR - PAGINATION/360
 PROGRAM DESCRIPTION VOLUME 2 - PROGRAM NUMBER 5736-K12
 SH20-0835 SYSTEM/360 TEXT PROCESSOR-PAGINATION/360: PROGRAM
 DESCRIPTION VOLUME 3, PROG. NO. 5736-K12
 SH20-0836 SYSTEM/360 TEXT PROCESSOR - PAGINATION/360
 OPERATIONS MANUAL PROGRAM NUMBER 5736-K12
 LY20-0623 SYSTEM/360 TEXT PROCESSOR PAGINATION/360, SYSTEM MANUAL,
 VOLUME I - FLOWCHART NARRATIVES - PROGRAM NUMBER 5736-K12,
 FEATURE CODE 8010
 LY20-0624 SYSTEM/360 TEXT PROCESSOR PAGINATION/360, SYSTEM MANUAL,
 VOLUME II - FLOWCHARTS - PROGRAM NUMBER 5736-K12,
 FEATURE CODE 8011

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**GH20-4234 HEALTH CARE SUPPORT/ACCOUNTING SYSTEM DESIGN OBJECTIVES
 PROGRAM NUMBER 5746-H14 - FEATURE 6001 OR 6002
 **GH20-4233 HEALTH CARE SUPPORT/DATA COMMUNICATIONS PROGRAM DESIGN
 OBJECTIVES - PROGRAM PRODUCT 5746-H13
 **GH20-1179 HEALTH CARE SUPPORT/ACCOUNTING SYSTEM & DATA COMMUNICATIONS:
 GENERAL INFORMATION MANUAL, PROG. NO. 5746-H14 (DOS/V5)
 **GB21-0935 HEALTH CARD SUPPORT/ADMISSIONS SYSTEM FOR SYSTEM/370
 AVAILABILITY NOTICE - FDP NUMBER 5798-ASZ
 **GH20-4333 IBM HEALTH CARE SUPPORT/ELECTROCARDIOGRAM (ECG) ANALYSIS
 PROGRAM PPS - PROGRAM PRODUCTS 5734-H11 AND 5736-H15
 **GH20-1249 HEALTH CARE SUPPORT/ELECTROCARDIOGRAM (ECG) ANALYSIS GENERAL
 INFORMATION MANUAL - PROGRAM NUMBERS 5734-H11 AND 5736-H15
 **GH20-1265 HEALTH CARE SUPPORT/ELECTROCARDIOGRAM (ECG) ANALYSIS PROGRAM
 PHYSICIANS GUIDE - PROGRAM NUMBERS 5736-H15 AND 5734-H11
 **SH20-1276 SELF-STUDY IMPLEMENTATION COURSE FOR HEALTH CARE SUPPORT
 ECG PROGRAM PRODUCT - PROG. NOS. 5734-H11 AND 5736-H15
 **SH20-1270 HEALTH CARE SUPPORT/ELECTROCARDIOGRAM (ECG) ANALYSIS PROGRAM
 PROGRAM REFERENCE MANUAL AND OPERATIONS GUIDE
 PROG. NOS. 5734-H11 (OS, OS/V5) AND 5736-H15 (DOS, DOS/V5)
 **LY20-0845 HEALTH CARE SUPPORT/ELECTROCARDIOGRAM (ECG) ANALYSIS
 PROGRAM LOGIC MANUAL - PROG NOS. 5734-H11 (OS, OS/V5)
 5736-H15 (DOS, DOS/V5)
 **GH20-4235 HEALTH CARE SUPPORT/LABORATORY INFORMATION SYSTEM DESIGN
 OBJECTIVES - PROGRAM PRODUCT 5746-H12
 GH20-1190 HEALTH CARE SUPPORT/LABORATORY INFORMATION SYSTEM: GENERAL
 INFORMATION MANUAL, PROG. NO. 5746-H12 (DOS/V5)
 **GB21-0963 HEALTH CARE SUPPORT/PATIENT HISTORY SYSTEM FOR SYSTEM/370
 AVAILABILITY NOTICE - FDP NUMBER 5798-ATR
 **SB21-0964 HEALTH CARE SUPPORT/PATIENT HISTORY SYSTEM FOR SYSTEM/370
 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ATR
 **LB21-0965 HEALTH CARE SUPPORT/PATIENT HISTORY SYSTEM FOR SYSTEM/370
 SYSTEMS GUIDE - FDP NUMBER 5798-ATR
 GH20-4019 MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) VERSION 2
 SPECIFICATIONS SHEET - PROGRAM NUMBER 5736-H11
 **GH20-4412 MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) VERSION 2
 FUNCTIONAL DESCRIPTION - PROG. PROD. 5736-H11
 GH20-0806 MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) VERSION 2
 APPLICATION DESCRIPTION MANUAL, PROGRAM NUMBER 5736-H11
 **SH20-0808 MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) 5736-H11
 PROGRAM DESCRIPTION MANUAL
 SH20-0815 MEDICAL INFORMATION SYSTEMS PROGRAM (MISP)
 VERSION TWO - APPLICATION FILE DESCRIPTION MANUAL
 PROGRAM NUMBER 5736-H11
 SH20-0807 MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) VERSION 2:
 INSTALLATION AID MANUAL, PROG. NO. 5736-H11
 SH20-0805 MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) PROGRAM 5736-H11
 OPERATIONS MANUAL
 **SH20-0809 MEDICAL INFORMATION SYSTEM PROGRAM (MISP) 5736-H11
 PROGRAMMER'S MANUAL
 LY20-0561 MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) VERSION 2
 SYSTEM MANUAL - PROGRAM PRODUCT 5736-H11 FEATURE CODE 8500
 GH20-4001 SHAS COMPATIBLE TELEPROCESSING SPECIFICATION SHEET
 PROGRAM NUMBER 5736-H13
 LY20-0480 SHAS COMPATIBLE TELEPROCESSING SUPPORT FOR 2780, 2740, AND
 1050 TERMINALS SYSTEM REFERENCE MANUAL
 PROGRAM PRODUCT 5736-H13, FEATURE CODE 8000
 **GX20-1788 CHARGE DESCRIPTION MASTER WORKSHEET
 PROGRAM NUMBERS 5736-H13, 360A-UH-11X
 **GX20-1789 DOCTOR MASTER FILE - WORKSHEET
 PROGRAM NUMBERS 360A-UH-11X, 5736-H13
 **GX20-1790 ROOM AND BED MASTER
 PROG. NOS. 5736-H13, 360A-UH-11X

GB21-0229 SHAS PENDING INSURANCE CLAIMS ACCOUNTING PROGRAMS (DOS)
 FDP AVAILABILITY NOTICE, PROG. NO. 5798-ADN
 SB21-0230 SHAS PENDING INSURANCE CLAIMS - PROGRAM NUMBER 5798-ADN
 PROGRAM DESCRIPTION/OPERATIONS MANUAL
 LB21-0231 SHAS PENDING INSURANCE CLAIMS - PROGRAM NUMBERS 5798-ADN
 FIELD DEVELOPED PROGRAM - SYSTEMS GUIDE
 GH20-4021 SHARED LABORATORY INFORMATION SYSTEM (SLIS) PROGRAM
 PRODUCT SPECIFICATIONS PROGRAM NUMBER 5736-H12
 GH20-0709 SHARED LABORATORY INFORMATION SYSTEM (SLIS)
 APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-H12
 SH20-0780 SHARED LABORATORY INFORMATION SYSTEM (SLIS) 5736-H12
 PROGRAM DESCRIPTION MANUAL
 SH20-0781 SHARED LABORATORY INFORMATION SYSTEM (SLIS) (5736-H12)
 OPERATIONS MANUAL
 SH20-0769 SHARED LABORATORY INFORMATION SYSTEM (SLIS)
 LABORATORY MANUAL PROGRAM NUMBER 5736-H12
 GX20-1807 SHARED LABORATORY INFORMATION SYSTEM CLM CODING SHEET
 PROGRAM NUMBER 5736-H12
 GX20-1808 SHARED LABORATORY INFORMATION SYSTEM CLM CODING SHEET
 PROGRAM NUMBER 5736-H12
 GX20-1809 SHARED LABORATORY INFORMATION SYSTEM CLM CODING SHEET
 PROGRAM NUMBER 5736-H12
 LY20-0655 SHARED LABORATORY INFORMATION SYSTEM (SLIS) SYSTEM MANUAL
 PROGRAM PRODUCT 5736-H12

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**G320-1522 MULTICOLUMN DISTILLATION PROGRAM - AVAILABILITY NOTICE
 IUP - 5796-PAH
 **SH20-1314 MULTICOLUMN DISTILLATION PROGRAM - PROGRAM DESCRIPTION
 OPERATIONS MANUAL - IUP NUMBER 5796-PAH
 **LY20-0778 MULTICOLUMN DISTILLATION PROGRAM SYSTEMS GUIDE - IUP NUMBER
 5796-PAH
 **GB21-0031 PRODUCTION ORDER INVENTORY TRACKING SYSTEM FOR S/360-370
 AVAILABILITY NOTICE - FDP #5798-AAL
 **SB21-0032 PRODUCTION ORDER INVENTORY TRACKING SYSTEM FOR S/360-370
 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP #5798-AAL
 **LB21-0033 PRODUCTION ORDER INVENTORY TRACKING SYSTEM FOR S/360-370
 SYSTEMS GUIDE - FDP # 5798-AAL

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**SH20-1101 LOADFLOW PLOTTING SYSTEM, VARIBUS CORP. A GULF STATES
 UTILITY COMPANY SUBSIDIARY - PROGRAM DESCRIPTION/OPERATIONS
 MANUAL - IUP NUMBER 5796-AAF
 **LY20-0755 LOADFLOW PLOTTING SYSTEM, VARIBUS CORPORATION, A GULF STATES
 UTILITIES COMPANY SYSTEMS GUIDE - IUP NUMBER 5796-AAF
 GH20-4017 POWER SYSTEM PLANNING PROGRAM SPECIFICATIONS SHEETS
 PROGRAM NUMBER 5736-U12
 **GH20-4413 POWER SYSTEM PLANNING PROGRAM - FUNCTIONAL DESCRIPTION
 PROGRAM PRODUCT 5736-U12
 GH20-4144 SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR THE ELECTRIC
 UTILITY INDUSTRY SHORT CIRCUIT Ro FEATURE SPECIFICATIONS
 PROGRAM NUMBER 5736-U12
 GH20-0532 SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR ELECTRIC UTILITY
 INDUSTRY WITH POWER FLOW OUTPUT & CAPACITY FEATURE
 & SHORT CIRCUIT Ro FEATURE: APPLICATION DESCRIPTION,
 PROGRAM NUMBER 5736-U12
 SH20-0675 SYSTEM/360 POWER SYSTEM PLANNING FOR THE ELECTRIC
 UTILITY INDUSTRY (OS) (5736-U12)
 SH20-0676 SYSTEM/360 POWER SYSTEM PLANNING FOR THE ELECTRIC
 UTILITY INDUSTRY (OS) (5736-U12), OPERATIONS MANUAL
 LY20-0555 SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR THE
 ELECTRIC UTILITY INDUSTRY
 ENGINEERING DATA MANAGEMENT SERVICES SYSTEM MANUAL -
 VOLUME I PROGRAM NUMBER 5736-U12 FEATURE CODE 8174
 LY20-0553 SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR
 ELECTRIC UTILITY INDUSTRY - SHORT CIRCUIT SYSTEM MANUAL
 VOLUME II PROG. NO. 5736-U12
 LY20-0546 SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR THE
 ELECTRIC UTILITY INDUSTRY POWER FLOW SYSTEM MANUAL -
 VOLUME III
 PROGRAM NUMBER 5736-U12 FEATURE CODE 8172
 LY20-0554 SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR THE
 ELECTRIC UTILITY INDUSTRY TRANSIENT STABILITY
 SYSTEM MANUAL - VOLUME IV PROGRAM NUMBER
 5736-U12 FEATURE CODE 8173
 LY20-0693 SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR THE ELECTRIC
 UTILITY INDUSTRY, POWER FLOW OUTPUT AND CAPACITY FEATURE
 SYSTEM MANUAL, VOLUME V - PROGRAM NUMBER (5736-U12)
 LY20-0726 SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR THE ELECTRIC
 UTILITY INDUSTRY SHORT CIRCUIT R0 FEATURE - SYSTEM MANUAL
 VOLUME VI, FEATURE 8103 - PROGRAM NUMBER 5736-U12

GB21-0043 PUBLIC UTILITY FINANCIAL PLANNING SYSTEM - FDP AVAILABILITY
NOTICE - PROG. NO. 5798-AAQ
SB21-0044 PUBLIC UTILITY FINANCIAL PLANNING SYSTEM - FIELD DEVELOPED
PROGRAM - PROGRAM DESCRIPTION OPERATIONS MANUAL
PROGRAM NUMBER 5798-AAQ
LB21-0045 PUBLIC UTILITY FINANCIAL PLANNING SYSTEM GUIDE
PROGRAM NUMBER 5798-AAQ

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GH20-4123 FARE QUOTE/TICKETING SPECIFICATION SHEET PROGRAM NUMBER
5736-T11
GH20-0873 FARE QUOTE/TICKETING APPLICATION DESCRIPTION MANUAL
SH20-0981 FARE QUOTE/TICKETING SYSTEM
IMPLEMENTATION GUIDE, PROGRAM NUMBER 5736-T11
SH20-0979 FARE QUOTE/ISSUE TICKET USER'S GUIDE
PROGRAM NUMBER 5736-T11
SH20-1081 FARE QUOTE/TICKETING STUDENT STUDY GUIDE
PROGRAM NUMBER 5736-T11
LY20-0666 FARE QUOTE/TICKETING DATA/MACRO SPECIFICATION
PROGRAM NUMBER 5736-T11
LY20-0663 FARE QUOTE/TICKETING FUNCTIONAL SPECIFICATION
PROGRAM NUMBER 5736-T11
LY20-0664 FARE QUOTE/ISSUE TICKET PROGRAM AND PACKAGE SPECIFICATIONS
PROGRAM NUMBER 5736-T11
(SEE ALSO "TARIFF MAINTENANCE" PROG. NO. 5736-T11)
GH20-1134 FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION
(FIRST) GENERAL INFORMATION MANUAL - PROGRAM NUMBERS
5795-AAA (OS MESSAGE SWITCHING) 5795-AAB (OS EQUIPMENT
CONTROL) 5795-AAC (DOS MESSAGE SWITCHING) 5795-AAD (DOS
EQUIPMENT CONTROL)
SH20-1136 FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION
(FIRST), SYSTEM PROGRAMMER'S - REFERENCE MANUAL
PROGRAM NUMBER 5795-AAA (OS MESSAGE SWITCHING)
**SH20-1184 FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION
(FIRST) SYSTEM PROGRAM REFERENCE MANUAL - PROGRAM NUMBER
5795-AAB (OS EQUIPMENT CONTROL)
SH20-1166 FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION
(FIRST) SYSTEM PROGRAMMER'S REFERENCE MANUAL - PROGRAM
PRODUCT 5795-AAC (DOS MESSAGE SWITCHING)
**SH20-1183 FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION
(FIRST) SYSTEM PROGRAM REFERENCE MANUAL - PROGRAM NUMBER
5795-AAD - (DOS EQUIPMENT CONTROL)
GH20-1135 FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST
OPERATIONS MANUAL - PROGRAM NUMBER 5795-AAA (OS MESSAGE
SWITCHING)
**SH20-1185 FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION
(FIRST) OPERATIONS MANUAL - PROGRAM NUMBER 5795-AAB (OS
EQUIPMENT CONTROL)
SH20-1167 FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION
(FIRST) OPERATIONS MANUAL - PROGRAM PRODUCT 5795-AAC
(DOS MESSAGE SWITCHING)
**SH20-1195 FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION
(FIRST) OPERATIONS MANUAL - PROGRAM NUMBER 5795-AAD
(DOS EQUIPMENT CONTROL)
SH20-1137 FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION
(FIRST) - TERMINAL OPERATOR'S MANUAL - PROGRAM NUMBERS
5795-AAA (OS MESSAGE SWITCHING) 5795-AAC (DOS MESSAGE
SWITCHING)
**SH20-1187 FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION
(FIRST) TERMINAL OPERATOR'S MANUAL - PROGRAM NUMBERS
5795-AAB, AND 5795-AAD (OS AND DOS EQUIPMENT CONTROL)
GH20-1139 FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION
(FIRST) - FILE DESCRIPTION MANUAL - PROGRAM NUMBERS
5795-AAA (OS MESSAGE SWITCHING)
**SH20-1186 FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION
(FIRST) FILE DESCRIPTION MANUAL - PROGRAM NUMBERS
5795-AAB AND 5795-AAD (OS AND DOS EQUIPMENT CONTROL)
SH20-1169 FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION
(FIRST) FILE DESCRIPTION MANUAL - PROGRAM PRODUCT 5795-AAC
(DOS MESSAGE SWITCHING)
LH20-1138 FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION
(FIRST) - PROGRAM LOGIC MANUAL - PROGRAM NUMBERS
5795-AAA (OS MESSAGE SWITCHING)
LH20-1168 FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION
(FIRST) PROGRAM LOGIC MANUAL - PROGRAM PRODUCT 5797-AAC
(DOS MESSAGE SWITCHING)
**LH20-1182 FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION
(FIRST) PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 5795-AAB,
AND 5795-AAD (OS AND DOS EQUIPMENT CONTROL)
G320-1518 FLIGHT DATA DISPLAY SYSTEM IUP ANNOUNCEMENT NOTICE
PROGRAM NUMBER 5796-PAE

G320-1519 FLIGHT DATA DISPLAY SYSTEM, GENERAL INFORMATION MANUAL
PROGRAM NUMBER 5796-PAE

SH20-1094 FLIGHT DATA DISPLAY SYSTEM INSTALLATION GUIDE
PROGRAM NUMBER 5796-PAE

SH20-1095 FLIGHT DATA DISPLAY SYSTEM OPERATORS MANUAL
PROGRAM NUMBER 5796-PAE

LY20-0751 FLIGHT DATA DISPLAY SYSTEM DATA/MACRO/FILE SPECIFICATIONS
IUP PROGRAM NO. 5796-PAE

LY20-0749 FLIGHT DATA DISPLAY SYSTEM FUNCTIONAL SPECIFICATIONS, IUP
PROG. NO. 5796-PAE

SH20-1096 FLIGHT DATA DISPLAY SYSTEM USERS GUIDE
PROGRAM NUMBER 5796-PAE

LY20-0750 FLIGHT DATA DISPLAY SYSTEM PACKAGE/PROGRAM SPECIFICATIONS
IUP PROGRAM NO. 5796-PAE

GB21-0313 OS ROTABLE CONTROL PROGRAM - FIELD DEVELOPED PROGRAM
AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AFA

SB21-0314 OS ROTABLE CONTROL PROGRAM - FIELD DEVELOPED PROGRAM
DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AFA

LB21-0315 OS ROTABLE CONTROL PROGRAM - FIELD DEVELOPED PROGRAM
SYSTEMS GUIDE - PROGRAM NUMBER 5798-AFA

GB21-0316 DOS ROTABLE CONTROL PROGRAM - FDP AVAILABILITY NOTICE, PROG.
NO. 5798-AFC

SB21-0317 IBM DISK OPERATING SYSTEM/360 ROTABLE CONTROL PROGRAM
FIELD DEVELOPED PROGRAM DESCRIPTION/OPERATIONS MANUAL
PROGRAM NUMBER 5798-AFC

LB21-0318 IBM DISK OPERATING SYSTEM/360 ROTABLE CONTROL PROGRAM
FIELD DEVELOPED PROGRAM SYSTEMS GUIDE
PROGRAM NUMBER 5798-AFC

SH20-0982 TARIFF MAINTENANCE
OPERATOR'S GUIDE, PROGRAM NUMBER 5736-T11

SH20-0980 TARIFF MAINTENANCE
USER'S GUIDE, PROGRAM NUMBER 5736-T11

LY20-0665 TARIFF MAINTENANCE PROGRAM AND PACKAGE SPECIFICATIONS
PROGRAM NUMBER 5736-T11
(SEE ALSO "FARE QUOTE/TICKETING" PROG. NO. 5736-T11)

GH20-0730 TARIFF PUBLISHING SYSTEM (BOUND TARIFFS) AND TRAFFIC PROFILE
ANALYSIS SYSTEM (POINT-TO-POINT TARIFF ITEM SELECTION):
APPLICATION DESCRIPTION MANUAL, PROG. NOS. 5736-T21, -T22

GH20-4016 TARIFF PUBLISHING SYSTEM (BOUND TARIFFS)
PROGRAM PRODUCT SPEC'S, PROG. NO. 5736-T21

**GH20-4411 TARIFF PUBLISHING SYSTEM (BOUND TARIFFS)
FUNCTIONAL DESCRIPTION - PROG. PROD. 5736-T21

SH20-0812 TARIFF PUBLISHING SYSTEM (BOUND TARIFFS) PROGRAM DESCRIPTION
AND OPERATIONS MANUAL PROGRAM NUMBER 5736-T21

SH20-0792 TARIFF PUBLISHING SYSTEM (BOUND TARIFFS) FORMAT AND
STANDARD CODES MANUAL PROGRAM NUMBER 5736-T21

SH20-0798 TARIFF PUBLISHING SYSTEM (BOUND TARIFFS)
DATA PREPARATION MANUAL 5736-T21

LY20-0559 TARIFF PUBLISHING SYSTEM (BOUND TARIFFS) SYSTEM MANUAL
PROGRAM NUMBER 5736-T21, FEATURE CODE 8003

SH20-0811 TRAFFIC PROFILE ANALYSIS SYSTEM 5736-T22,
PROGRAM DESCRIPTION AND OPERATION MANUAL

LY20-0560 TRAFFIC PROFILE ANALYSIS SYSTEM SYSTEM MANUAL
PROGRAM NUMBER 5736-T22

GB21-0019 VEHICLE MAINTENANCE & COST ANALYSIS: S/360 MODELS 20, 25
& UP - FDP AVAILABILITY NOTICE, PROG. NO. 5798-AAG

SB21-0020 VEHICLE MAINTENANCE AND COST ANALYSIS, SYSTEM/360 MODELS 20,
25 AND UP: PROGRAM DESCRIPTION/OPERATIONS MANUAL, FDP PROG.
NO. 5798-AAG

LB21-0021 VEHICLE MAINTENANCE AND COST ANALYSIS, SYSTEM/360 MODELS 20,
25 AND UP: SYSTEMS GUIDE, FDP PROG. NO. 5798-AAG

GB21-9981 VEHICLE MAINTENANCE AND COST ANALYSIS SYSTEM - MARKETING
GUIDE - PROGRAM NUMBER 5798-AAG

GH20-4041 IBM VEHICLE SCHEDULEING PROGRAM - EXTENDED (OS)
PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-XM5

GH19-2903 IBM VEHICLE SCHEDULING PROGRAM - EXTENDED (DOS)
SPECIFICATIONS - PROGRAM NUMBER 5736-XM3

GH20-4042 IBM VEHICLE SCHEDULING PROGRAM - EXTENDED (DOS)
PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-XM3

GH19-2000 IBM VEHICLE SCHEDULING PROGRAM--EXTENDED
GENERAL INFORMATION MANUAL
PROGRAM NUMBERS 5734-XM5 (OS), 5736-XM3 (DOS)

SH19-2304 IBM VEHICLE SCHEDULING PROGRAM--EXTENDED
(OS AND DOS) PROGRAM DESCRIPTION MANUAL
PROGRAM NUMBERS 5734-XM5 (OS), 5736-XM3 (DOS)

SH19-2607 IBM VEHICLE SCHEDULING PROGRAM - EXTENDED (OS)
OPERATIONS MANUAL, PROGRAM NUMBER 5734-XM5

SH19-2608 IBM VEHICLE SCHEDULING PROGRAM - EXTENDED (DOS)
OPERATIONS MANUAL, PROGRAM NUMBER 5736-XM3

LY19-2001 IBM VEHICLE SCHEDULING PROGRAM -- EXTENDED (OS AND DOS)
PROGRAM LOGIC MANUAL, VOLUME I, NARRATIVE
PROGRAM NUMBERS 5734-XM5 (OS), 5736-XM3 (DOS)

LY19-2006 IBM VEHICLE SCHEDULING PROGRAM -- EXTENDED (OS AND DOS)
PROGRAM LOGIC MANUAL, VOLUME II, FLOWCHARTS
PROGRAM NUMBERS 5734-XM5 (OS), 5736-XM3 (DOS)

LYA9-2007 IBM VEHICLE SCHEDULING PROGRAM--EXTENDED
(OS) PROGRAM LOGIC MANUAL, VOLUME III PROGRAM LISTINGS -
MICROFICHE, PROGRAM NUMBER 5734-XM5

LYA9-2008 IBM VEHICLE SCHEDULING PROGRAM -- EXTENDED (DOS) PROGRAM
LOGIC MANUAL, VOLUME III PROGRAM LISTINGS - MICROFICHE
PROGRAM NUMBER 5734-XM5

GB21-0001 GENERALIZED VEHICLE SCHEDULING PROGRAM (VSP) NETWORK
FOR LOS ANGELES; FIELD DEVELOPED PROGRAM
AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AAA

SB21-0002 GENERALIZED VEHICLE SCHEDULING PROGRAM
NETWORK FOR LOS ANGELES FIELD DEVELOPED PROGRAM
DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AAA

LB21-0003 VEHICLE SCHEDULING PROGRAM
GENERALIZED VSP NETWORK FOR LOS ANGELES, CALIFORNIA:
FIELD DEVELOPED PROGRAM SYSTEMS GUIDE -
PROGRAM NUMBER 5798-AAA

79 Cross-Industry (see also 80-83 for selections)

**GH19-0057 AUTOFLOW FOR PL/I, COBOL, FORTRAN AND ASSEMBLER PROGRAM
SPECIFICATIONS - PROGRAM PRODUCTS 5734-DC1 AND 5736-DC1

**GH19-0058 AUTOFLOW COMPUTER DOCUMENTATION SYSTEM PROGRAM PRODUCT
SPECIFICATIONS - PROGRAM NUMBER 5736-DC1

**GH19-0044 AUTOFLOW, IBM SYSTEM/360 AND SYSTEM/370, GENERAL INFORMATION
MANUAL - PROGRAM PRODUCTS 5734-DC1 (OS) AND 5736-DC1 (DOS)

**SH19-0047 AUTOFLOW, IBM SYSTEM/360 AND SYSTEM/370 OPERATIONS GUIDE
PROGRAM PRODUCT - PROGRAM PRODUCTS 5734-DC1 (OS) AND
5736-DC1 (DOS)

**SH19-0052 AUTOFLOW, IBM SYSTEM/360 AND SYSTEM/370 INSTALLATION
GUIDE OS - PROGRAM PRODUCTS 5734-DC1

**SH19-0045 AUTOFLOW, IBM SYSTEM/360 AND SYSTEM/370 INSTALLATION GUIDE
DOS - PROGRAM PRODUCT 5736-DC1

**SH19-0046 AUTOFLOW, IBM SYSTEM/360 AND SYSTEM/370 INSTRUCTOR'S GUIDE
PROGRAM PRODUCT - PROGRAM PRODUCTS 5734-DC1 (OS) AND
5736-DC1 (DOS)

**SH19-0050 AUTOFLOW IBM SYSTEM/360 AND SYSTEM/370 ASSEMBLY SERIES
REFERENCE MANUAL - PROGRAM PRODUCTS 5734-DC1 (OS) AND
5736-DC1 (DOS)

**SH19-0048 AUTOFLOW IBM SYSTEM/360 AND SYSTEM/370 COBOL SERIES
REFERENCE MANUAL PROGRAM PRODUCT - PROGRAM PRODUCTS
5734-DC1 (OS) AND 5736-DC1 (DOS)

**SH19-0049 AUTOFLOW IBM SYSTEM/360 AND SYSTEM/370 FORTRAN SERIES
REFERENCE MANUAL - PROGRAM PRODUCTS 5734-DC1 (OS) AND
5736-DC1 (DOS)

**SH19-0051 AUTOFLOW IBM SYSTEM/360 AND SYSTEM/370 PL/I SERIES REFERENCE
MANUAL - PROGRAM PRODUCTS 5734-DC1 (OS) AND 5736-DC1 (DOS)

GB21-0136 DATA CLASSIFICATION SYSTEM (UNDER OS AND DOS) - FDP
AVAILABILITY NOTICE, PROG. NO. 5798-ACC

SB21-0137 DATA CLASSIFICATION SYSTEM FOR THE SYSTEM/360
PROGRAM DESCRIPTION/OPERATIONS MANUAL
PROGRAM NUMBER 5798-ACC

LB21-0138 DATA CLASSIFICATION SYSTEM FOR THE SYSTEM/360
SYSTEMS GUIDE - PROGRAM NUMBER 5798-ACC

**GB21-0938 DATA COMPRESSION/EXPANSION FOR S/360/370 AVAILABILITY NOTICE
FDP NUMBER 5798-ATB

**SB21-0939 DATA COMPRESSION/EXPANSION FOR S/360/370 PROGRAM
DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ATB

**GB21-0638 DATA EDITING AND FORMATTING AIDS FOR SYSTEM/360 AVAILABILITY
NOTICE - FDP NUMBER 5798-AKS

**SB21-0639 DATA EDITING AND FORMATTING AIDS FOR SYSTEM/360 PROGRAM
DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AKS

**GB21-0640 DATA EDITING AND FORMATTING AIDS FOR SYSTEM/360:
SYSTEMS GUIDE - FDP PROG. NO. 5798-AKS

**GB21-9945 DATA EDITING AND FORMATTING AIDS FOR S/360/370 REFERENCE
CARD - FDP NUMBER 5798-AKS

**GH19-1008 SYSTEM/360 AND SYSTEM/370 DECISION TABLE TRANSLATOR (DECTAT)
FOR COBOL AND PL/I 5734-XR2

**SH19-1009 SYSTEM/360 AND SYSTEM/370 DECISION TABLE TRANSLATOR (DECTAT)
FOR COBOL AND PL/I PROGRAM DESCRIPTION MANUAL - PROGRAM
PRODUCT 5734-XR2

**SH19-1010 SYSTEM/360 AND SYSTEM/370 DECISION TABLE TRANSLATOR (DECTAT)
FOR COBOL AND PL/I OPERATION MANUAL - PROGRAM NUMBER
5734-XR2

LY19-1004 SYSTEM/360 AND SYSTEM/370 DECISION TABLE TRANSLATOR
(DECTAT) FOR COBOL AND PL/I, SYSTEM MANUAL
PROGRAM NUMBER 5734-XR2

GH20-4007 LEARN ATS-OS: PROGRAM PRODUCT SPEC., PROG. NO. 5734-XX8
PROGRAM NUMBER 5734-XX8

GH20-0745 SYSTEM/360 OS LEARN ADMINISTRATIVE TERMINAL SYSTEM
APPLICATION DESCRIPTION MANUAL (PROGRAM NO. 5734-XX8)

SH20-0766 IBM SYSTEM/360 OS LEARN ADMINISTRATIVE TERMINAL SYSTEM
PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5734-XX8

LY20-0509 IBM SYSTEM/360 OS LEARN ADMINISTRATIVE TERMINAL SYSTEM
SYSTEM MANUAL PROGRAM NUMBER 5734-XX8 FEATURE CODE 8053

SH20-0768 IBM SYSTEM/360 LEARN ATS WORKBOOK
PROGRAM NUMBERS 5734-XX8, 5736-XX3

GH20-4006 LEARN ATS-DOS: PROGRAM PRODUCT SPEC., PROG. NO. 5736-XX3
PROGRAM NUMBER 5736-XX3

GH20-0746 SYSTEM/360 DOS LEARN ADMINISTRATIVE TERMINAL SYSTEM
APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-XX3

SH20-0767 IBM SYSTEM/360 DOS LEARN ADMINISTRATIVE TERMINAL SYSTEM
PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5736-XX3

LY20-0510 IBM SYSTEM/360 DOS LEARN ADMINISTRATIVE TERMINAL SYSTEM
SYSTEM MANUAL PROGRAM NUMBER 5736-XX3 FEATURE CODE 8054

GB21-0541 LEASE VS. PURCHASE ANALYSIS OF CAPITAL EXPENDITURES FDP
AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AJK

SB21-0542 LEASE VS. PURCHASE ANALYSIS OF CAPITAL EXPENDITURES PROGRAM
DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AJK

LB21-0543 LEASE VS. PURCHASE ANALYSIS OF CAPITAL EXPENDITURES SYSTEMS
GUIDE - FDP NUMBER 5798-AJK

GH20-4312 STORAGE AND INFORMATION RETRIEVAL SYSTEM SPECIFICATION
SHEET (STAIRS) - PROGRAM NUMBER 5734-XR3

SB12-5407 IBM SYSTEM/360 AND SYSTEM/370, STORAGE AND INFORMATION
RETRIEVAL SYSTEM (STAIRS), PROGRAM PRODUCT REFERENCE
MANUAL - PROGRAM NUMBER 5734-XR3

SB12-5509 IBM SYSTEM/360 AND SYSTEM/370, STORAGE AND INFORMATION
RETRIEVAL SYSTEM (STAIRS), OPERATION GUIDE
PROGRAM PRODUCT 5734-XR3

LY12-5008 IBM SYSTEM/360 AND SYSTEM/370, STORAGE AND INFORMATION
RETRIEVAL SYSTEM (STAIRS), PROGRAM LOGIC MANUAL VOL. I
NARRATIVES - PROGRAM PRODUCT 5734-XR3

**LY12-5013 SYSTEM/360/370 STAIRS: PLM VOLUME II (FLOWCHARTS) - PROGRAM
NUMBER 5734-XR3

**GH19-1028 SYSTEM/360 AND SYSTEM/370 STATISTICAL ANALYSIS OF FILES
STAF/OS - GENERAL INFORMATION MANUAL - PROGRAM
PRODUCT 5734-XA2

**SH19-1030 STAF/OS PROGRAM REFERENCE MANUAL
PROGRAM NUMBER 5734-XA2

**SH19-1031 IBM SYSTEM/360 AND SYSTEM/370 STATISTICAL ANALYSIS OF FILES
(STAF/OS) OPERATIONS GUIDE - PROGRAM PRODUCT 5734-XA2

**LY19-1007 SYSTEM/360 AND SYSTEM/370 STATISTICAL ANALYSIS OF FILES
(STAF/OS) LOGIC MANUAL - PROGRAM NUMBER 5734-XXB

GB21-0450 DOS TIME ACCOUNTING AND BILLING - FDP AVAILABILITY NOTICE,
PROG. NO. 5798-AHB

SB21-0451 DOS TIME ACCOUNTING AND BILLING - FIELD DEVELOPED PROGRAM
DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AHB

LB21-0452 DOS TIME ACCOUNTING AND BILLING - FIELD DEVELOPED
PROGRAM-SYSTEMS GUIDE - PROGRAM NUMBER 5798-AHB

80 Cross-Industry - Information Management

GB21-0322 DOS APPLICATION DCOUMENATION PROGRAM - FIELD DEVELOPED
PROGRAM AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AFF

SB21-0323 DOS APPLICATION DOCUMENTATION PROGRAM - FIELD DEVELOPED
PROGRAM DESCRIPTION/OPERATIONS - PROGRAM NUMBER 5798-AFF

LB21-0324 DOS APPLICATION DOCUMENTATION PROGRAM - FIELD DEVELOPED
PROGRAM SYSTEMS GUIDE - PROGRAM NUMBER 5798-AFF

**G320-1523 DBPROTOTYPE (5796-PBB), IMSMAP (5796-PBC), PLIMS (5796-PBF),
BTS (5796-PBD), TEST IMS UTILITIES (5796-PBE) ARE NOW READY
FOR SHIPMENT AVAILABILITY NOTICE

**SB20-1306 BTS (BATCH TERMINAL SIMULATOR) PROGRAM
DESCRIPTION/OPERATIONS MANUAL - IUP NUMBER 5796-PBB

**LY20-0774 BTS (BATCH TERMINAL SIMULATOR) SYSTEMS GUIDE - IUP NUMBER
5796-PBD

GH20-4141 BILL PROCESSOR SYSTEMS - IMS/360 BRIDGE
PROGRAM NUMBER 5734-XX9

GH20-0961 BILL PROCESSOR SYSTEMS - IMS/360 BRIDGE,
APPLICATION DESCRIPTION MANUAL, PROGRAM NUMBER 5734-XX9

SH20-1075 BILL PROCESSOR SYSTEMS - IMS/360 BRIDGE
PROGRAM DESCRIPTION MANUAL - PROGRAM NUMBER 5734-XX9

SH20-1076 BILL PROCESSOR SYSTEMS - IMS/360 BRIDGE, OPERATIONS
MANUAL - PROGRAM NUMBER 5734-XX9

LY20-0733 BILL PROCESSOR SYSTEMS - IMS/360 BRIDGE, SYSTEM MANUAL
PROGRAM NUMBER 5734-XX9

GH20-4028 DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR
PROGRAM PRODUCT SPECIFICATIONS, PROG. NO. 5736-XX4

GH20-0771 SYSTEM/360 DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR
APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-XX4

SH20-0829 SYSTEM/360 DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR
5736-XX4 PROGRAM DESCRIPTION MANUAL

SH20-0830 SYSTEM/360 DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR
5736-XX4 OPERATIONS MANUAL

LY20-0566 IBM SYSTEM/360 DATA BASE ORGANIZATION AND MAINTENANCE
 PROCESSOR SYSTEM MANUAL PROGRAM NUMBER 5736-XX4
 **G320-1521 DATA DICTIONARY/DIRECTORY WITH CMIS DATA ELEMENT GLOSSARY
 (5796-PAG) IUP AVAILABILITY NOTICE - PROGRAM NUMBER 5796-PAG
 **SH20-1105 DATA DICTIONARY/DIRECTORY SYSTEM, WITH CMIS DATA ELEMENT
 GLOSSARY - PROGRAM DESCRIPTION OPERATIONS MANUAL - IUP
 NUMBER 5796-PAG
 **LY20-0758 DATA DICTIONARY/DIRECTORY SYSTEM WITH DATA ELEMENT GLOSSARY
 SYSTEM GUIDE - IUP NUMBER 5796-PAG
 GH20-4230 DATA LANGUAGE/I DISK OPERATING SYSTEM/VIRTUAL STORAGE
 (DL/I DOS/VS) - PPDO - PROG. NO. 5746-XX1
 GH20-1246 DATA LANGUAGE/I DISK OPERATING SYSTEM/VIRTUAL STORAGE
 (DL/I DOS/VS) GENERAL INFORMATION MANUAL - PROGRAM NUMBER
 5746-XX1
 **GH20-1272 DATA BASE DESIGN EVALUATION (DBPROTOTYPE) GENERAL
 INFORMATION MANUAL - IUP NUMBER 5796-PBB
 **SH20-1303 DBPROTOTYPE PROGRAM DESCRIPTION/OPERATIONS MANUAL - IUP
 NUMBER 5796-PBB
 **LY20-0771 DATA BASE DESIGN EVALUATION (DBPROTOTYPE) PROGRAM SYSTEM
 GUIDE - IUP NUMBER 5796-PBB
 GH20-0574 SYSTEM/360 GENERALIZED INFORMATION SYSTEM APPLICATION
 DESCRIPTION MANUAL (5736-CX1)
 GH20-0521 SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC)
 APPLICATION DESCRIPTION MANUAL
 PROGRAM NUMBER 5736-CX1
 SH20-0630 SYSTEM/360 GENERALIZED INFORMATION SYSTEM
 PROGRAM DESCRIPTION MANUAL VOLUME 1:
 SYSTEM OVERVIEW AND CONTROL (5736-CX1)
 SH20-0622 SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) PROGRAM
 DESCRIPTION MANUAL VOLUME 1: SYSTEM OVERVIEW AND CONTROL
 (5736-CX1)
 SH20-0623 SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) AND
 SYSTEM/360 GENERALIZED INFORMATION SYSTEM PROGRAM
 DESCRIPTION MANUAL VOLUME II: DATA DESCRIPTION
 LANGUAGE (5736-CX1)
 SH20-0736 SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) SYSTEM/360
 GENERALIZED INFORMATION SYSTEM PROGRAM DESCRIPTION MANUAL
 VOLUME III: PROCEDURAL LANGUAGE
 PROGRAM NUMBER 5736-CX1
 SH20-0632 SYSTEM/360 GENERALIZED INFORMATION SYSTEM OPERATIONS MANUAL
 (5736-CX1)
 SH20-0625 SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) OPERATIONS
 MANUAL (5736-CX1)
 LY20-0425 SYSTEM/360 GENERALIZED INFORMATION SYSTEM
 SYSTEM MANUAL VOLUME 1
 PROGRAM NUMBER 5736-CX1 FEATURE CODE 8802
 LY20-0422 SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC)
 SYSTEM MANUAL VOLUME 1
 PROGRAM NUMBER 5736-CX1 FEATURE CODE 8801
 LY20-0423 SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) SYSTEM/360
 GENERALIZED INFORMATION SYSTEM SYSTEM MANUAL VOLUME II
 PROGRAM NUMBER 5736-CX1 FEATURE CODE 8803
 LY20-0424 SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC)
 SYSTEM/360 GENERALIZED INFORMATION SYSTEM
 SYSTEM MANUAL VOLUME III
 PROGRAM NUMBER 5736-CX1
 GH20-4170 GENERALIZED INFORMATION SYSTEM, VERSION 2 (GIS/2)
 DESIGN OBJECTIVES - PROGRAM NUMBER 5734-XX1
 GH20-4124 GENERALIZED INFORMATION SYSTEM, VERSION 2 (GIS/2)
 SPECIFICATIONS SHEET PROGRAM NUMBER 5734-XX1
 GH20-0892 IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2)
 APPLICATION DESCRIPTION, PROG. NO. 5734-XX1
 SH20-1030 IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2)
 PROGRAM DESCRIPTION MANUAL, VOLUME 1: SYSTEM OVERVIEW
 AND CONTROL - PROGRAM PRODUCT MANUAL
 PROGRAM NUMBER 5734-XX1
 SH20-1040 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) VOLUME 2:
 DATA DESCRIPTION LANGUAGE - PROGRAM DESCRIPTION MANUAL
 PROGRAM NUMBER 5734-XX1
 SH20-1033 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2)
 VOLUME 3, PROCEDURAL LANGUAGE - PROGRAM DESCRIPTION MANUAL
 PROGRAM NUMBER 5734-XX1
 SH20-1032 IBM GENERALIZED INFORMATION SYSTEM, VERSION 2 (GIS/2)
 OPERATIONS MANUAL - PROGRAM NUMBER 5734-XX1
 LY20-0696 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM
 MANUAL VOLUME 1 - PROGRAM NUMBER 5734-XX1 FEATURE NUMBER
 8115
 LY20-0697 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM
 MANUAL VOLUME 2 - PROGRAM NUMBER 5734-XX1 FEATURE NUMBER
 8116
 LY20-0698 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM
 MANUAL VOLUME 3 - PROGRAM NUMBER 5734-XX1 FEATURE NUMBER
 8117

LY20-0699 IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM
MANUAL SUPPLEMENT FOR THE ARITHMETIC STATEMENT FEATURE
PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8125

**LYB0-0865 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) ARITHMETIC
STATEMENT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1

**LYB0-0864 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) BASIC
RETRIEVAL SYSTEM MICROFICHE - PROGRAM NUMBER 5734-XX1

LY20-0701 IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM
MANUAL SUPPLEMENT FOR THE CONTROL STATEMENT FEATURE PROGRAM
NUMBER 5734-XX1 FEATURE NUMBER 8124

**LYB0-0867 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) CONTROL
STATEMENT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1

**LYB0-0875 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) DATA
LANGUAGE/1 QUERY SUPPORT FEATURE MICROFICHE - PROGRAM
NUMBER 5734-XX1

LY20-0707 IBM GENERALIZED INFORMATION SYSTEM VOLUME 2 (GIS/2) SYSTEM
MANUAL SUPPLEMENT FOR THE EDIT AND ENCODE FEATURE PROGRAM
NUMBER 5734-XX1 FEATURE NUMBER 8122

**LYB0-0873 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) EDIT AND
ENCODE FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1

**LYB0-0876 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) EXTENDED
MULTI-FILE SUPPORT FEATURE MICROFICHE - PROGRAM NUMBER
5734-XX1

LY20-0708 IBM GENERALIZED INFORMATION SYSTEM VOLUME 2 (GIS/2) SYSTEM
MANUAL SUPPLEMENT FOR THE FILE MODIFY FEATURE PROGRAM
NUMBER 5734-XX1 FEATURE NUMBER 8127

**LYB0-0874 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) FILE MODIFY
FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1

LY20-0705 IBM GENERALIZED INFORMATION SYSTEM VOLUME 2 (GIS/2) SYSTEM
MANUAL SUPPLEMENT FOR THE FILE UPDATE AND CREATE FEATURE
PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8118

**LYB0-0871 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) UPDATE AND
CREATE FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1

LY20-0703 IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM
MANUAL SUPPLEMENT FOR THE FORMAL REPORT FEATURE PROGRAM
NUMBER 5734-XX1 FEATURE NUMBER 8119

**LYB0-0869 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) FORMAL
REPORT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1

LY20-0704 IBM GENERALIZED INFORMATION SYSTEM VOLUME 2 (GIS/2) SYSTEM
MANUAL SUPPLEMENT FOR THE HIERARCHIC FILE SUPPORT FEATURE
PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8120

**LYB0-0870 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2)
HIERARCHICAL FILE SUPPORT FEATURE MICROFICHE - PROGRAM
NUMBER 5734-XX1

SH20-1177 PLANNING GUIDE FOR THE PL/I QUERY SUPPORT FEATURE OF
GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2)
PROGRAM NUMBER 5734-XX1

LY20-0809 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM
MANUAL SUPPLEMENT FOR THE PL/I QUERY SUPPORT FEATURE
PROGRAM NUMBER 5734-XX1

LY20-0702 IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM
MANUAL SUPPLEMENT FOR THE PROCESSING STATEMENT FEATURE
PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8126

**LYB0-0868 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) PROCESSING
STATEMENT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1

LY20-0700 IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM
MANUAL SUPPLEMENT FOR THE TELEPROCESSING SUPPORT FEATURE
PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8123

**LYB0-0866 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2)
TELEPROCESSING SUPPORT FEATURE MICROFICHE - PROGRAM NUMBER
5734-XX1

LY20-0706 IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM
MANUAL SUPPLEMENT FOR THE UTILITY FEATURE PROGRAM NUMBER
5734-XX1 FEATURE NUMBER 8121

**LYB0-0872 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) UTILITY
FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1

GH20-0524 INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360
(SYSTEM DESCRIPTION) APPLICATION DESCRIPTION MANUAL
PROGRAM NUMBER 5736-CX3

SH20-0634 INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360
PROGRAM DESCRIPTION MANUAL
PROGRAM NUMBER 5736-CX3

SH20-0635 INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360:
OPERATIONS MANUAL, VOLUME I - SYSTEMS OPERATION
PROGRAM NUMBER 5736-CX3

SH20-0636 INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360
OPERATIONS MANUAL VOLUME II - MACHINE OPERATIONS
PROGRAM NUMBER 5736-CX3

LY20-0431 INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360
SYSTEM MANUAL VOLUME I - PROGRAM LOGIC
PROGRAM NUMBER 5736-CX3 FEATURE CODE 8801

LY20-0432 INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360
SYSTEM MANUAL VOLUME II - FLOWCHARTS
PROGRAM NUMBER 5736-CX3 FEATURE CODE 8802

LYB0-0433 INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360:
 SYSTEM MANUAL, VOLUME III - ASSEMBLY LISTINGS MICROFICHE
 PROGRAM NUMBER 5736-CX3, FEATURE CODE 8003
 GH20-4106. INFORMATION MANAGEMENT SYSTEM/360 (IMS/360) VERSION 2
 SPECIFICATIONS - PROGRAM PRODUCT 5734-XX6
 GH20-0765 INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360
 (SYSTEM DESCRIPTION) APPLICATION DESCRIPTION MANUAL
 (VERSION 2) PROGRAM NUMBER 5734-XX6
 SH20-1007 INFORMATION MANAGEMENT SYSTEM/360 VERSION 2 MASTER INDEX
 PROGRAM NUMBER 5734-XX6
 SH20-0911 INFORMATION MANAGEMENT SYSTEM/360, VERSION 2
 SYSTEM PROGRAMMING REFERENCE MANUAL
 PROGRAM NUMBER 5734-XX6
 SH20-0912 INFORMATION MANAGEMENT SYSTEM/360, VERSION 2
 APPLICATION PROGRAMMING REFERENCE MANUAL
 PROGRAM NUMBER 5734-XX6
 SH20-0910 INFORMATION MANAGEMENT SYSTEM/360, VERSION 2
 SYSTEM/APPLICATION DESIGN GUIDE
 PROGRAM NUMBER 5734-XX6
 SH20-0913 INFORMATION MANAGEMENT SYSTEM/360, VERSION 2,
 OPERATOR'S REFERENCE MANUAL
 PROGRAM NUMBER 5734-XX6
 SH20-0914 INFORMATION MANAGEMENT SYSTEM/360, VERSION 2,
 MESSAGES AND CODES REFERENCE MANUAL,
 PROGRAM NUMBER 5734-XX6
 SH20-0915 INFORMATION MANAGEMENT SYSTEM/360 VERSION 2
 UTILITIES REFERENCE MANUAL, PROG. NO. 5734-XX6
 LY20-0629 INFORMATION MANAGEMENT SYSTEM/360, VERSION 2
 PROGRAM NUMBER 5734-XX6
 LY20-0630 INFORMATION MANAGEMENT SYSTEM/360, VERSION 2, VOLUME 2,
 SYSTEM MANUAL (FLOWCHARTS), MICROFICHE
 PROGRAM NUMBER 5734-XX6, FEATURE CODE 8081
 LYB0-0631 INFORMATION MANAGEMENT SYSTEM/360 (IMS/360) VERS. 2, MOD
 LEVEL 3, DATA BASE LISTINGS, VOL 3, PROG. PROD. 5734-XX6
 LYB0-0632 INFORMATION MANAGEMENT SYSTEM/360, VERSION 2, VOLUME 4,
 DATA COMMUNICATION LISTINGS, MICROFICHE
 PROGRAM NUMBER 5734-XX6, FEATURE CODE 8083
 **G320-1523 DBPROTOTYPE (5796-PBB), IMSMAP (5796-PBC), PLIMS (5796-PBF),
 BTS (5796-PBD), TEST IMS UTILITIES (5796-PBE) ARE NOW READY
 FOR SHIPMENT AVAILABILITY NOTICE
 **SH20-1305 IMSMAP - DATA BASE MAPPING PROGRAMS - PROGRAM DESCRIPTION/
 OPERATIONS MANUAL - IUP NUMBER 5796-PBC
 **LY20-0773 IMSMAP - DATA BASE MAPPING PROGRAMS SYSTEM GUIDE - IUP
 NUMBER 5796-PBC
 **GH20-4238 INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/VS)
 DESIGN OBJECTIVES - PROG. PROD. 5740-XX2
 **GH20-1260 INFORMATION MANAGEMENT SYSTEM VIRTUAL STORAGE (IMS/VS)
 GENERAL INFORMATION MANUAL
 PROGRAM NUMBER 5740-XX2
 **GB21-0908 IMS/360 2260-3270 CONVERSION AID FOR SYSTEM/360, 370
 AVAILABILITY NOTICE - FDP NUMBER 5798-ASG
 **SB21-0909 IMS/360 2260-3270 CONVERSION AID FOR SYSTEM/360, 370
 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ASG
 **LB21-0910 IMS/360 2260-3270 CONVERSION AID FOR SYSTEM/360, 370 SYSTEMS
 GUIDE - FDP NUMBER 5798-ASG
 **GH20-4316 INTERACTIVE QUERY FACILITY (IQF) FEATURE FOR INFORMATION
 MANAGEMENT SYSTEM (IMS/360) V2 - SPECIFICATION SHEET
 PROG. PROD. 5734-XX6
 GH20-1074 INTERACTIVE QUERY FACILITY (IQF) FOR IMS/360 VERSION 2
 PROGRAM NUMBER 5734-XX6 - GENERAL INFORMATION MANUAL
 **GH20-1222 INTERACTIVE QUERY FACILITY (IQF) INTRODUCTION LANGUAGE GUIDE
 PROGRAM NUMBER 5734-XX6
 **GH20-1223 IQF TERMINAL USERS REFERENCE GUIDE (INTERACTIVE QUERY
 FACILITY) (IMS/360) - PROGRAM NUMBER 5734-XX6
 **LY20-0829 INTERACTIVE QUERY FACILITY (IQF) TO IMS/360 SYSTEM MANUAL
 VOLUME V - PROGRAM NUMBER 5736-XX6
 **LYB0-0834 INTERACTIVE QUERY FEATURE (IQF) TO IMS/360: MICROFICHE
 LISTINGS - PROGRAM NUMBER 5734-XX6
 **GH20-1273 PROGRAMMING LANGUAGE FOR IMS-PLIMS GENERAL INFORMATION
 MANUAL - IUP NUMBER 5796-PBF
 **SH20-1304 PROGRAMMING LANGUAGE FOR IMS - PLIMS PROGRAM
 DESCRIPTION/OPERATIONS MANUAL - IUP NUMBER 5796-PBF
 **LY20-0772 PROGRAMMING LANGUAGE FOR IMS-PLIMS SYSTEM GUIDE - IUP
 NUMBER 5796-PBF
 GB21-0028 SYSTEM/360 PROGRAM REPORT INVENTORY SYSTEM - FDP
 AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AAK
 SB21-0029 PROGRAM REPORT INVENTORY SYSTEM
 PROGRAM DESCRIPTION OPERATIONS MANUAL
 PROGRAM NUMBER 5798-AAK
 LB21-0030 PROGRAM REPORT INVENTORY SYSTEM - SYSTEM GUIDE
 PROGRAM NUMBER 5798-AAK

****G320-1440** RESPONSIBILITY ACCOUNTING SYSTEM ANNOUNCEMENT NOTICE - IUP
 NUMBER 5796-ACA
****SH20-1328** RESPONSIBILITY ACCOUNTING SYSTEM - THE PHILADELPHIA
 NATIONAL BANK - PROGRAM DESCRIPTION/OPERATIONS MANUAL
 PROGRAM NO. 5796-ACA
****LY20-0921** RESPONSIBILITY ACCOUNTING SYSTEM - THE PHILADELPHIA
 NATIONAL BANK - SYSTEM GUIDE - PROG. NO. 5796-ACA
****SH20-1307** TEST IMS UTILITIES PROGRAM DESCRIPTION/OPERATIONS MANUAL
 IUP NUMBER 5796-PBE
****LY20-0775** TEST IMS UTILITIES PROGRAM SYSTEMS GUIDE - IUP NUMBER
 5796-PBE
GH20-4320 VANCOUVER DATA LANGUAGE-ONE (VANDL-1) SPECIFICATIONS -
 PROGRAM NO. 5799-AEY
SC09-0007 VANDL-1 PRPQ DESCRIPTION AND OPERATION MANUAL (VANCOUVER
 DATA LANGUAGE ONE) - PROGRAM NUMBER 5799-AEY
****LY09-0012** VANDL-1 LOGIC MANUAL - PROG. NO. 5799-AEY

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GH20-4043 CUSTOMER INFORMATION CONTROL SYSTEM OS - STANDARD (CICS/OS)
 AND LANGUAGE AND TERMINAL FEATURE (L/T) NO. 6004, 6005, OR
 6006, PROGRAM PRODUCT SPECIFICATIONS, PROG. NO. 5736-U11
GH20-0318 CUSTOMER INFORMATION CONTROL SYSTEM (CICS) OS-STANDARD V1
 WITH LANGUAGE/TERMINAL (L/T) FEATURE: APPLICATION DESCRIP-
 TION, PROG. NO. 5736-U11
SH20-0605 CUSTOMER INFORMATION CONTROL SYSTEM, OS-STANDARD (CICS/OS)
 (5736-U11), PROGRAM DESCRIPTION
SH20-0606 CUSTOMER INFORMATION CONTROL SYSTEM, OS-STANDARD
 (CICS/OS), (5736-U11) OPERATION MANUAL
LY20-0369 CUSTOMER INFORMATION CONTROL SYSTEM OS-STANDARD (CICS/OS),
 (5736-U11), SYSTEM MANUAL, FEATURE CODE 8805
LY20-0604 CUSTOMER INFORMATION CONTROL SYSTEM, OS-STANDARD (CICS/OS)
 (5736-U11), LANGUAGE AND TERMINAL (L/T) FEATURE
 SYSTEM MANUAL, FEATURE CODE 8060
GH20-4140 CUSTOMER INFORMATION CONTROL SYSTEM/OS - STANDARD V2
 (CICS/OS - STANDARD V2) SPECIFICATIONS - PROGRAM PRODUCT
 5734-XX7
GH20-4134 CUSTOMER INFORMATION CONTROL SYSTEM/DOS ENTRY (CICS/DOS-
 ENTRY), PROG. NO. 5736-XX6, 3330 SUPPORT FEATURE 5000,
 5001, 5002: PROGRAM PRODUCT SPECIFICATIONS
GH20-4131 CUSTOMER INFORMATION CONTROL SYSTEM/DOS-STANDARD (CICS/DOS-
 STANDARD), PROG. NO. 5736-XX7, 3330 SUPPORT FEATURE 5003,
 5004, 5005: PROGRAM PRODUCT SPECIFICATIONS
GH20-1028 CUSTOMER INFORMATION CONTROL SYSTEM (CICS) DOS-ENTRY
 (CICS/DOSE) DOS-STANDARD (CICS/DOSS) OS-STANDARD V2
 (CICS/OS) GENERAL INFORMATION MANUAL
 PROGRAM NUMBERS 5734-XX7, 5736-XX6, 5736-XX7
SH20-1043 CUSTOMER INFORMATION CONTROL SYSTEM (CICS) SYSTEM
 PROGRAMMER'S REFERENCE MANUAL PROGRAM NUMBERS
 DOS-ENTRY 5736-XX6, DOS-STANDARD 5736-XX7,
 OS-STANDARD V2 5734-XX7
SH20-1047 CUSTOMER INFORMATION CONTROL SYSTEM DOS - ENTRY (CIS
 DOS - STANDARD (CICS/DOSS) OS - STANDARD VERSION 2 (CICS/OS)
 APPLICATION PROGRAMMER'S REFERENCE MANUAL
 PROGRAM NUMBERS 5736-XX6, 5736-XX7, 5734-XX7
SH20-1048 CUSTOMER INFORMATION CONTROL SYSTEM (CICS) OPERATING SYSTEM
 STANDARD VERSION 2 OPERATIONS GUIDE
 PROGRAM NUMBER 5734-XX7
SH20-1034 CUSTOMER INFORMATION CONTROL SYSTEM (CICS) OPERATIONS
 GUIDE - PROGRAM NUMBERS DOS-ENTRY 5736-XX6 DOS-STANDARD
 5736-XX7
SH20-1044 CUSTOMER INFORMATION CONTROL SYSTEM (CICS) TERMINAL
 OPERATOR'S GUIDE - PROGRAM NUMBERS DOS-ENTRY 5736-XX6,
 DOS-STANDARD 5736-XX7, OS-STANDARD V2 5734-XX7
LY20-0714 CUSTOMER INFORMATION CONTROL SYSTEM (CICS) OPERATING SYSTEM
 STANDARD VERSION 2 - FEATURE NUMBER 8142 - LOGIC MANUAL
 PROGRAM NUMBER 5734-XX7
LYB0-0781 CUSTOMER INFORMATION CONTROL SYSTEM/OPERATING SYSTEM
 STANDARD (CICS/OS-STANDARD) VERSION 2 PROGRAM LISTINGS
 MICROFICHE - PROGRAM NUMBER 5734-XX7
LY20-0712 CUSTOMER INFORMATION CONTROL SYSTEM FEATURE NUMBER 8030
 (DOS-ENTRY) LOGIC MANUAL - PROGRAM NUMBER 5736-XX6
LYB0-0724 CUSTOMER INFORMATION CONTROL SYSTEM/DISK OPERATING SYSTEM
 ENTRY (CICS-DOS E) MICROFICHE LISTING, PROG. NO. 5736-XX6
LY20-0713 CUSTOMER INFORMATION CONTROL SYSTEM (CICS) LOGIC MANUAL
 PROGRAM NUMBER 5736-XX7 (DOS-STANDARD) FEATURE NUMBER 8031
LYB0-0735 CUSTOMER INFORMATION CONTROL SYSTEM/DISK OPERATING SYSTEM
 STANDARD (CICS-DOS S) MICROFICHE LISTING, PROG PROD 5736-XX7
****GH20-4237** CUSTOMER INFORMATION SYSTEM/OS/VS (CICS/OS/VS)
 DESIGN OBJECTIVES, - PROG. PROD. 5740-XX1
****GH20-4236** CUSTOMER INFORMATION CONTROL SYSTEM/DOS/VS (CICS/DOS/VS)
****GH20-1280** CUSTOMER INFORMATION CONTROL SYSTEM (CICS/VS)
 GENERAL INFORMATION MANUAL
 PROGRAM NUMBERS CICS/OS/VS 5740-XX1 AND CICS/DOS/VS 5746-XX3

GB21-0749 CUSTOMER INFORMATION FILE (CIF) USING CICS UNDER OS/VS1
 AVAILABILITY NOTICE - FDP NUMBER 5798-AMR
 SB21-0750 CUSTOMER INFORMATION FILE (CIF) USING CICS UNDER OS/VS1
 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AMR
 LB21-0751 CUSTOMER INFORMATION FILE (CIF) USING CICS UNDER OS/VS1
 SYSTEM GUIDE - FDP NUMBER 5798-AMR
 GB21-0505 CUSTOMER INFORMATION FILE USING DOS/CICS
 FDP - AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AHX
 SB21-0506 CUSTOMER INFORMATION FILE USING DOS/CICS
 FDP - PROGRAM DESCRIPTION/OPERATIONS MANUAL
 PROGRAM NUMBER 5798-AHX
 LB21-0507 CUSTOMER INFORMATION FILE USING DOS/CICS
 FDP - SYSTEMS GUIDE - PROGRAM NUMBER 5798-AHX
 **GB21-0800 CPU CONSOLE AS SYSTEM/360, 370 CICS MASTER TERMINAL FOR
 SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-ANK
 **SB21-0801 CPU CONSOLE AS SYSTEM/360, 370 CICS MASTER TERMINAL FOR
 SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP
 NUMBER 5798-ANK
 **LB21-0802 CPU CONSOLE AS SYSTEM/360, 370 CICS MASTER TERMINAL FOR
 SYSTEM/360, 370 SYSTEMS GUIDE - FDP NUMBER 5798-ANK
 **GH20-4328 CICS FEATURE OF DATA BASE ORGANIZATION AND MAINTENANCE
 PROCESSOR SPECIFICATIONS - PROGRAM PRODUCT 5736-XX4
 **SH20-1268 THE CICS FEATURE (6024-6028) OF THE DATA BASE ORGANIZATION
 AND MAINTENANCE PROCESSOR, PROGRAM AND OPERATIONS MANUAL
 PROGRAM PRODUCT 5736-XX4
 GH20-4103 DISPLAY MANAGEMENT SYSTEM (DMS): PROGRAM PRODUCT SPEC'S
 PROG. NO. 5734-XC1
 GH20-0841 DISPLAY MANAGEMENT SYSTEM APPLICATION DESCRIPTION
 PROGRAM NUMBER 5734-XC1
 SH20-0909 DISPLAY MANAGEMENT SYSTEM PROGRAM DESCRIPTION MANUAL
 PROGRAM NUMBER 5734-XC1
 SH20-0919 DISPLAY MANAGEMENT SYSTEM OPERATOR'S MANUAL
 PROGRAM NUMBER 5734-XC1
 LY20-0634 DISPLAY MANAGEMENT SYSTEM, SYSTEM MANUAL
 PROGRAM NUMBER 5734-XC1, FEATURE CODE 8005
 **GH20-4241 DISPLAY MANAGEMENT SYSTEM II (DMS II OS/VS) DESIGN
 OBJECTIVES - PROGRAM PRODUCT 5734-XC4
 **GH20-4242 DISPLAY MANAGEMENT SYSTEM II (DMS II DOS/VS) DESIGN
 OBJECTIVES - PROGRAM PRODUCT 5736-XC4
 **GH20-4325 SYSTEM/360 AND SYSTEM/370 FORECASTING AND MODELING SYSTEMS
 SPECIFICATIONS - PROGRAM PRODUCTS 5736-XS4 (DOS VERSION)
 AND 5734-XS7 (OS VERSION)
 **GH19-4000 FORECASTING AND MODELING SYSTEM (FAMS) GENERAL INFORMATION
 MANUAL - PROGRAM PRODUCTS 5736-XS4 (DOS VERSION), 5734-XS7
 (OS VERSION)
 **SH19-4001 FORECASTING AND MODELING SYSTEM (FAMS) PROGRAM REFERENCE
 MANUAL - PROGRAM PRODUCTS 5736-XS4 (DOS VERSION), 5734-XS7
 (OS VERSION)
 **SH19-4002 FORECASTING AND MODELING SYSTEM (FAMS) OPERATIONS GUIDE
 **LY19-4000 FORECASTING AND MODELING SYSTEM (FAMS) LOGIC MANUAL
 PROGRAM NUMBER 5736-XS4 (DOS VERSION), 5734-XS7 (OS VERSION)
 GB21-0393 IBGS - INTERACTIVE BUSINESS GAME SIMULATION - A GENERAL
 BUSINESS SIMULATION FOR APL/360 - PROGRAM NUMBER 5798-AGM
 FIELD DEVELOPED PROGRAM-AVAILABILITY NOTICE
 SB21-0394 IBGS - INTERACTIVE BUSINESS GAME SIMULATION - A GENERAL
 BUSINESS SIMULATION FOR APL/360 - FIELD DEVELOPED PROGRAM
 DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AGM
 LB21-0395 IBGS - INTERACTIVE BUSINESS GAME SIMULATION - A GENERAL
 BUSINESS SIMULATION FOR APL/360 - FIELD DEVELOPED PROGRAM
 SYSTEMS GUIDE - PROGRAM NUMBER 5798-AGM
 GH20-4122 MINIPERT - PROGRAM NUMBER 5734-XP3
 GH20-0852 INTRODUCTION TO MINIPERT
 PROGRAM NUMBER 5734-XP3
 SH20-0995 MINIPERT PROGRAM DESCRIPTION AND OPERATIONS MANUAL
 PROGRAM NUMBER 5734-XP3
 LY20-0674 MINIPERT SYSTEM MANUAL, FEATURE NUMBER 8086
 PROGRAM NUMBER 5734-XP3
 GH20-4136 PLANNING SYSTEMS GENERATOR II (PSG II): PROGRAM PRODUCT
 SPEC'S, PROG. NO. 5734-XT1
 GH20-1035 PLANNING SYSTEM GENERATOR II (PSG II) GENERAL INFORMATION
 MANUAL PROGRAM NUMBER 5734-XT1
 SH20-1042 PLANNING SYSTEMS GENERATOR II (PSG II) PROGRAM REFERENCE
 MANUAL - PROGRAM NUMBER 5734-XT1
 SH20-1041 PLANNING SYSTEMS GENERATOR II (PSG II)
 OPERATIONS MANUAL - PROGRAM NUMBER 5734-XT1
 LY20-0710 PLANNING SYSTEMS GENERATOR II (PSG II) LOGIC MANUAL
 PROGRAM NUMBER 5734-XT1 FEATURE NUMBER 8114
 GH20-4309 PSG II DOS - SPECIFICATIONS, PROG. NO. 5736-XT1
 SH20-1174 PLANNING SYSTEMS GENERATOR II (PSG II) DOS - PROGRAM
 REFERENCE MANUAL - PROGRAM PRODUCT 5736-XT1
 SH20-1164 PLANNING SYSTEMS GENERATOR II (PSG II) DOS OPERATOR'S GUIDE
 PROGRAM PRODUCT 5736-XT1

LY20-0808 PLANNING SYSTEMS GENERATOR II (PSG II) DOS LOGIC MANUAL
 PROGRAM NUMBER 5736-XT1
 G320-1517 APL/PDTS PROGRAMMING DEVELOPMENT TRACKING SYSTEM (PDTS):
 IUP AVAILABILITY NOTICE PROGRAM NUMBER 5796-PAD
 SH20-1092 APL/PDTS PROGRAMMING DEVELOPMENT TRACKING SYSTEM (PDTS):
 PROGRAM DESCRIPTION/OPERATIONS MANUAL IUP PROG #5796-PAD
 LY20-0746 APL/PDTS PROGRAMMING DEVELOPMENT TRACKING SYSTEM
 SYSTEM GUIDE - IUP NO. 5796-PAD
 GH20-4081 PROJECT MANAGEMENT SYSTEM/360 VERSION 3 FUNCTIONAL
 DESCRIPTION SHEET - PROGRAM NUMBER 5734-XP1
 GH20-0690 PROJECT MANAGEMENT SYSTEM/360 VERSION 3 APPLICATION
 DESCRIPTION MANUAL - PROGRAM NUMBER 5734-XP1
 SH20-0677 PROJECT MANAGEMENT SYSTEM/360 VERSION 3 PROGRAM
 DESCRIPTION AND OPERATIONS MANUAL
 PROGRAM NUMBER 5734-XP1
 LY20-0459 PROJECT MANAGEMENT SYSTEM/360: VERSION 3, COST PROCESSOR -
 SYSTEM MANUAL
 PROGRAM NUMBER 5734-XP1 FEATURE CODE 8102
 LY20-0460 PROJECT MANAGEMENT SYSTEM/360 VERSION 3 FLOWCHART SYSTEM
 MANUAL PROGRAM NUMBER: 5734-XP1 FEATURE CODE: 8105
 LY20-0457 PROJECT MANAGEMENT SYSTEM/360 VERSION 3 NETWORK PROCESSOR
 SYSTEM MANUAL, PROGRAM NUMBER: 5734-XP1
 FEATURE CODE: 8101
 LY20-0467 PROJECT MANAGEMENT SYSTEM/360 VERSION 3: REPORT PROCESSOR
 SYSTEM MANUAL
 PROGRAM NUMBER 5734-XP1 FEATURE CODE 8101
 LY20-0456 PROJECT MANAGEMENT SYSTEM/360: VERSION 3,
 RESOURCE ALLOCATION PROCESSOR SYSTEM MANUAL
 PROGRAM NUMBER 5734-XP1 FEATURE CODE 8104
 LYB0-0454 PROJECT MANAGEMENT SYSTEM/360: VERSION 3, LISTINGS -
 SYSTEM MANUAL MICROFICHE
 PROGRAM NUMBER 5734-XP1 FEATURE CODE 8301
 GH20-4104 PROJECT MANAGEMENT SYSTEM IV, PROGRAM PRODUCT SPECIFICATIONS
 PROGRAM NUMBER 5734-XP4
 GH20-0855 INTRODUCTION TO PROJECT MANAGEMENT SYSTEM IV (PMSIV),
 PROGRAM PRODUCT MANUAL - PROGRAM NUMBER 5734-XP4
 SH20-0898 PMS IV, COST PROCESSOR, PROGRAM DESCRIPTION AND OPERATIONS
 PROGRAM PRODUCT MANUAL - PROGRAM NUMBER 5734-XP4
 SH20-0899 PMS IV, NETWORK PROCESSOR, PROGRAM DESCRIPTION
 AND OPERATIONS MANUAL, PROGRAM NUMBER 5734-XP4
 SH20-0901 PROJECT MANAGEMENT SYSTEM IV (PMS IV) REPORT PROCESSOR
 PROGRAM DESCRIPTION/OPERATIONS MANUAL
 PROGRAM NUMBER 5734-XP4
 SH20-0900 PROJECT MANAGEMENT SYSTEM IV (PMSIV)
 RESOURCE ALLOCATION PROCESSOR, PROGRAM DESCRIPTION/
 OPERATIONS MANUAL - PROGRAM NUMBER 5734-XP4
 LY20-0609 PROJECT MANAGEMENT SYSTEM IV (PMS IV)
 PROGRAM NUMBER 5734-XP4, FEATURE NUMBER 8074
 COST PROCESSOR SYSTEM MANUAL
 LY20-0613 PROJECT MANAGEMENT SYSTEM IV (PMSIV)
 COST PROCESSOR FLOWCHART MANUAL
 PROGRAM NUMBER 5734-XP4, FEATURE CODE 8075
 LYB0-0617 PROJECT MANAGEMENT SYSTEM IV (PMS IV)
 COST PROCESSOR ASSEMBLY LISTINGS
 PROGRAM NUMBER 5734-XP4, FEATURE CODE 8076
 LY20-0610 PROJECT MANAGEMENT SYSTEM IV (PMS IV)
 PROGRAM NUMBER 5734-XP4 - FEATURE NUMBER 8071
 NETWORK PROCESSOR SYSTEM MANUAL
 LY20-0614 PROJECT MANAGEMENT SYSTEM IV (PMSIV)
 NETWORK PROCESSOR FLOWCHART MANUAL
 PROGRAM NUMBER 5734-XP4, FEATURE CODE 8072
 LYB0-0618 PROJECT MANAGEMENT SYSTEM IV (PMS IV)
 NETWORK PROCESSOR ASSEMBLY LISTINGS
 PROGRAM NUMBER 5734-XP4, FEATURE CODE 7406
 LY20-0612 PROJECT MANAGEMENT SYSTEM IV (PMS IV)
 PROGRAM NUMBER 5734-XP4 - FEATURE NUMBER 8068
 REPORT PROCESSOR SYSTEM MANUAL
 LY20-0616 PROJECT MANAGEMENT SYSTEM IV (PMSIV)
 REPORT PROCESSOR FLOWCHART MANUAL
 PROGRAM NUMBER 5734-XP4, FEATURE CODE 8069
 LYB0-0620 PROJECT MANAGEMENT SYSTEM IV (PMS IV)
 REPORT PROCESSOR ASSEMBLY LISTINGS
 PROGRAM NUMBER 5734-XP4, FEATURE CODE 8070
 LY20-0611 PROJECT MANAGEMENT SYSTEM IV (PMSIV)
 RESOURCE ALLOCATION PROCESSOR SYSTEM MANUAL
 PROGRAM NUMBER 5734-XP4, FEATURE CODE 8077
 LY20-0615 PROJECT MANAGEMENT SYSTEM IV (PMSIV)
 RESOURCE ALLOCATION PROCESSOR FLOWCHART MANUAL
 PROGRAM NUMBER 5734-XP4, FEATURE CODE 8078
 LYB0-0619 PROJECT MANAGEMENT SYSTEM IV (PMS IV)
 RESOURCE ALLOCATION PROCESSOR ASSEMBLY LISTINGS
 PROGRAM NUMBER 5734-XP4, FEATURE CODE 8079

****GH20-4089** IBM SYSTEM/360 RESOURCE ALLOCATION FOR PROJECT CONTROL
 SYSTEM/360 FUNCTIONAL DESCRIPTION - PROGRAM PRODUCT 5736-XP2
GH19-0014 IBM SYSTEM/360 RESOURCE ALLOCATION (REAL/360)
 FOR PROJECT CONTROL SYSTEM/360
 APPLICATION DESCRIPTION MANUAL
 PROGRAM NUMBER 5736-XP2
SH19-0026 IBM SYSTEM/360 RESOURCE ALLOCATION (REAL/360)
 FOR PROJECT CONTROL SYSTEM/360
 PROGRAM DESCRIPTION AND OPERATIONS MANUAL
 PROGRAM NUMBER: 5736-XP2
LY19-0007 IBM SYSTEM/360 RESOURCE ALLOCATION (REAL/360) FOR PROJECT
 CONTROL SYSTEM/360 LISTINGS MANUAL (PROGRAM NO. 5736-XP2,
 FEATURE CODE 8017)
GH20-4312 STORAGE AND INFORMATION RETRIEVAL SYSTEM SPECIFICATION
 SHEET (STAIRS) - PROGRAM NUMBER 5734-XR3
SH12-5407 IBM SYSTEM/360 AND SYSTEM/370, STORAGE AND INFORMATION
 RETRIEVAL SYSTEM (STAIRS), PROGRAM PRODUCT REFERENCE
 MANUAL - PROGRAM NUMBER 5734-XR3
SH12-5509 IBM SYSTEM/360 AND SYSTEM/370, STORAGE AND INFORMATION
 RETRIEVAL SYSTEM (STAIRS), OPERATION GUIDE
 PROGRAM PRODUCT 5734-XR3
LY12-5008 IBM SYSTEM/360 AND SYSTEM/370, STORAGE AND INFORMATION
 RETRIEVAL SYSTEM (STAIRS), PROGRAM LOGIC MANUAL VOL. I
 NARRATIVES - PROGRAM PRODUCT 5734-XR3
****LY12-5013** SYSTEM/360/370 STAIRS: PLM VOLUME II (FLOWCHARTS) - PROGRAM
 NUMBER 5734-XR3
****G320-1415** S/360-S/370 YALE ALUMNI RECORDS DATA SYSTEM (YARDS)
 ANNOUNCEMENT NOTICE - IUP NUMBER 5796-ABF
****SH20-1115** S/360-S/370 YALE ALUMNI RECORDS DATA SYSTEM (YARDS) PROGRAM
 DESCRIPTION OPERATIONS MANUAL - IUP NUMBER 5796-ABF
****GB21-9947** S/360-S/370 YALE ALUMNI RECORDS DATA SYSTEM (YARDS)
 MARKETING MATERIALS FOLDER - IUP NUMBER 5796-ABF

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****G320-8063** ADVANCED STATISTICAL ANALYSIS PROGRAM ASTAP ANNOUNCEMENT
 NOTICE - IUP NUMBER 5796-PBH
****GH20-1271** ADVANCED STATISTICAL ANALYSIS PROGRAM (ASTAP)
 GENERAL INFORMATION MANUAL - PROG. NO. 5796-PBH
****SH20-1118** ADVANCED STATISTICAL ANALYSIS PROGRAM (ASTAP) PROGRAM
 REFERENCE MANUAL - IUP NUMBER 5796-PBH
****SH20-1119** ADVANCED STATISTICAL ANALYSIS PROGRAM (ASTAP)
 OPERATIONS GUIDE - IUP NUMBER 5796-PBH
****LY20-0764** ADVANCED STATISTICAL ANALYSIS PROGRAM (ASTAP) REFERENCE
 GUIDE - IUP NUMBER 5796-PBH
****LY20-0765** ADVANCED STATISTICAL ANALYSIS PROGRAM (ASTAP) - LOGIC MANUAL
 PROGRAM NUMBER 5796-PBH
****GB21-0399** APL COORDINATE GEOMETRY SYSTEM FOR SYSTEM/370 AVAILABILITY
 NOTICE - FDP NUMBER 5798-AGF
****SB21-0400** APL COORDINATE GEOMETRY SYSTEM FOR SYSTEM/370 PROGRAM
 DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AGF
****LB21-0401** APL COORDINATE GEOMETRY SYSTEM FOR SYSTEM/370 SYSTEMS GUIDE
 FDP NUMBER 5798-AGF
GH20-4080 SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE - OS PROGRAM
 PRODUCT FUNCTIONAL DESCRIPTION, PROG. NO. 5736-P72
GH20-4079 SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE - PS (M44)
 PROGRAM PRODUCT FUNCTIONAL DESCRIPTION SHEET
 PROGRAM NUMBER 5736-P71
GH20-0558 SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE APPLICATION
 DESCRIPTION MANUAL
 PROGRAM NUMBERS 5736-P71, 5736-P72
SH20-0619 SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE:
 PROGRAM DESCRIPTION MANUAL, PROG. NOS. 5736-P71, -P72
GH20-0621 SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE - OS:
 OPERATIONS MANUAL - PROGRAM NUMBER 5736-P72
SH20-0620 SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE - PS:
 OPERATIONS MANUAL - PROGRAM NUMBER 5736-P71
LY20-0406 SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE - OS
 SYSTEM MANUAL, PROG. NO. 5736-P72, FEATURE NO. 8101
LY20-0407 SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE -
 PS SYSTEM MANUAL
 PROGRAM NUMBER 5736-P71 FEATURE CODE 8101
****SH20-1264** BUSINESS ANALYSIS/BASIC (CALL-OS) MANUAL
****LY20-0840** BUSINESS ANALYSIS/BASIC LOGIC MANUAL
 PROGRAM NOS. 5703-XM3 (S/3 MODEL 6) AND 5734-XMB (ITF-OS,
 DOS AND TSO)
SH20-1158 MATH/BASIC FOR SYSTEM/3 MODEL 6 AND INTERACTIVE TERMINAL
 FACILITY (ITF) - PROGRAM PRODUCT REFERENCE MANUAL
 PROGRAM NUMBERS 5703-XM2 (S/3 MODEL 6) 5734-XM8 (ITF-OS,
 DOS AND TOS)
GH20-4102 MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX)
 SPECIFICATION SHEET - PROGRAM NUMBER 5734-XM4

GH20-0849 INTRODUCTION TO MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) - PROGRAM PRODUCT MANUAL - PROGRAM NUMBER 5734-XM4

SH20-0968 MPSX LINEAR AND SEPARABLE PROGRAMMING, PROGRAM DESCRIPTION MANUAL, PROGRAM NUMBER 5734-XM4

SH20-0908 MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) MIXED INTEGER PROGRAMMING (MIP) PROGRAM DESCRIPTION MANUAL

SH20-0960 MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) READ COMMUNICATIONS FORMAT (READCOMM) PROGRAM DESCRIPTION MANUAL, PROGRAM NUMBER 5734-XM4

SH20-0924 MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX), OPERATIONS MANUAL - PROGRAM NUMBER 5734-XM4

SH20-0932 MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) CONTROL LANGUAGE USER'S MANUAL, PROGRAM NUMBER 5734-XM4

SH20-0959 MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) MESSAGE MANUAL, PROGRAM NUMBER 5734-XM4

LY20-0646 MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) SYSTEM MANUAL, PROGRAM NUMBER 5734-XM4, FEATURE CODE 8056

LY20-0642 MATHEMATICAL PROGRAM SYSTEM EXTENDED (MPSX) FLOWCHART MANUAL PROGRAM NUMBER 5734-XM4, FEATURE CODE 8055

LYB0-0643 MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) MICROFICHE ASSEMBLY LISTINGS - PROGRAM NUMBER 5734-XM4 FE SERVICE NUMBER 200080

**LY20-0826 MPSX AND GENERALIZED UPPER BOUNDING LOGIC MANUAL - PROGRAM NUMBER 5734-XM4

**LYB0-0832 MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) GENERALIZED UPPER BOUNDING (GOB) MICROFICHE LISTINGS - PROGRAM NUMBER 5734-XM4

LY20-0640 MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) MIXED INTEGER PROGRAMMING (MIP) - SYSTEM MANUAL PROGRAM NUMBER 5734-XM4, FEATURE NUMBER 8056

LY20-0641 MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX), MIXED INTEGER PROGRAMMING (MIP) FLOWCHART MANUAL, PROGRAM NUMBER 5734-XM4, FEATURE CODE 8057

LYB0-0644 MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX), MIXED INTEGER PROGRAMMING (MIP), PROGRAM NUMBER 5734-XM4, ASSEMBLY LISTING MICROFICHE

**GH20-4327 IBM SYSTEM/360 AND SYSTEM/370 MATRIX GENERATOR AND REPORT WRITER (MGRW) SPECIFICATIONS - PROGRAM PRODUCT 5734-XMC

**GH19-5041 IBM S/360 AND S/370 MATRIX GENERATOR AND REPORT WRITER (MGRW) PPS - PROGRAM NUMBER 5734-XMC

GH19-5012 MATRIX GENERATOR AND REPORT WRITER GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5734-XMC

GH19-5042 MATRIX GENERATOR AND REPORT WRITER (MGRW) PRIMER PROGRAM PRODUCT 5734-XMC

**GH12-5102 SYSTEM/360 AND SYSTEM/370 MATRIX SYSTEM (MATSYS) (OS AND TSO) GENERAL INFORMATION MANUAL - PROGRAM PRODUCT 5734-XM7

**SH12-5403 MATRIX SYSTEM (MATSYS) (OS AND TSO) - PROGRAM REFERENCE MANUAL - PROGRAM NUMBER 5734-XM7

**LY12-5002 MATRIX SYSTEM MATRIX LOGIC MANUAL - PROGRAM PRODUCT 5734-XM7

GH20-4109 PROCEDURE LIBRARY-MATHEMATICS (PL-MATH) PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-XM3

GH20-0854 PROCEDURE LIBRARY-MATHEMATICS (PL-MATH) GENERAL INFORMATION MANUAL, PROGRAM NUMBER 5734-XM3

SH20-0985 PROCEDURE LIBRARY - MATHEMATICS (PL-MATH) PROGRAM DESCRIPTION MANUAL, PROGRAM NUMBER 5734-XM3

SH20-0988 PROCEDURE LIBRARY - MATHEMATICS (PL-MATH) OPERATIONS MANUAL, PROGRAM NUMBER 5734-XM3

LY20-0671 PROCEDURE LIBRARY - MATHEMATICS (PL-MATH) SYSTEM MANUAL PROGRAM NUMBER 5734-XM3 FEATURE NUMBER 8051

GH20-4146 IBM SYSTEM/360 AND SYSTEM/370 SUBROUTINE LIBRARY MATHEMATICS (SL-MATH) SPECIFICATIONS - PROGRAM NUMBER 5736-XM7

GH12-5103 IBM SYSTEM/360 AND SYSTEM/370, IBM 1130 AND 1800 SUBROUTINE LIBRARY-MATHEMATICS (SL-MATH) GENERAL INFORMATION MANUAL PROG. NOS. 5736-XM7, 5711-XM2

LYA2-5203 IBM SYSTEM/360 AND SYSTEM/370 SUBROUTINE LIBRARY MATHEMATICS - MICROFICHE LISTING - PROGRAM NUMBER 5736-XM7

**GB21-0408 ZEROS AND INTEGRALS IN APL FDP AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AGJ

**SB21-0409 ZEROS AND INTEGRALS IN APL FDP - PROGRAM DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AGJ

**LB21-0410 ZEROS AND INTEGRALS IN APL FDP - SYSTEMS GUIDE - PROGRAM NUMBER 5798-AGJ

83 Cross-Industry - Simulation

**GH20-4090 COMPUTER SYSTEMS SIMULATOR II (CSS II) FUNCTIONAL DESCRIPTION - PROGRAM PRODUCT 5734-XS5

GH20-0874 COMPUTER SYSTEM SIMULATOR II (CSS II) GENERAL INFORMATION MANUAL, PROGRAM NUMBER 5734-XS5

SH20-0875 COMPUTER SYSTEM SIMULATOR II (CSS II) PROGRAM DESCRIPTION AND OPERATIONS MANUAL PROGRAM NUMBER 5734-XS5,

LY20-0661 COMPUTER SYSTEM SIMULATOR II (CSS II), SYSTEM MANUAL
 PROGRAM NUMBER 5734-XS5, FEATURE CODE 8035
 GH19-7000 CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) AND
 GRAPHIC FEATURE (CSMP III GRAPHIC FEATURE) GENERAL
 INFORMATION MANUAL - PROGRAM NUMBER 5734-XS9
 GH20-4303 CONTINUOUS SYSTEM MODELING PROGRAM (CSMP III) PPS - PROGRAM
 NUMBER 5734-XS9
 SH19-7001 CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) PROGRAM
 REFERENCE MANUAL - PROGRAM NUMBER 5734-XS9
 SH19-7002 CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III)
 OPERATIONS GUIDE - PROGRAM NUMBER 5734-XS9
 LY19-7000 CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) LOGIC
 MANUAL - PROGRAM NUMBER 5734-XS9, FEATURE NUMBER 8143
 GH19-7010 GRAPHIC FEATURE FOR THE CONTINUOUS SYSTEM MODELING PROGRAM
 III (CSMP III) - PROGRAM PRODUCT SPECIFICATIONS
 PROGRAM NUMBER 5734-XS9
 SH19-7003 CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) GRAPHIC
 FEATURE - PROGRAM REFERENCE MANUAL - PROGRAM NUMBER 5734-XS9
 SH19-7004 CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) GRAPHIC
 FEATURE OPERATIONS GUIDE - PROGRAM NUMBER 5734-XS9
 LY19-7001 CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) GRAPHIC
 FEATURE LOGIC MANUAL - PROGRAM NUMBER 5734-XS9
 FEATURE NUMBER 8144
 GH20-0691 GENERAL PURPOSE SIMULATION SYSTEM/360 (OS AND DOS) VERSION 2
 APPLICATION DESCRIPTION, PROG. NOS. 5734-XS1 AND 5736-XS1
 SH20-0693 GENERAL PURPOSE SIMULATION SYSTEM/360 OS AND DOS VERSION 2
 INTRODUCTORY USER'S MANUAL, PROG. NOS. 5734-XS1 AND 5736-XS1
 SH20-0694 GENERAL PURPOSE SIMULATION SYSTEM/360 OS AND DOS VERSION 2
 USER'S MANUAL
 PROGRAM NUMBERS 5734-XS1 AND 5736-XS1
 SH20-0692 GENERAL PURPOSE SIMULATION SYSTEM/360 OS VERSION 2
 OPERATOR'S MANUAL - PROGRAM NUMBER 5734-XS1
 SH20-0698 GENERAL PURPOSE SIMULATION SYSTEM/360 DOS VERSION 2
 OPERATION MANUAL - PROGRAM NUMBER 5736-XS1
 LY20-0475 GENERAL PURPOSE SIMULATION SYSTEM/360 OS: VERSION 2 -
 SYSTEM MANUAL PROGRAM NUMBER 5734-XS1 FEATURE CODE 8151
 LY20-0483 GENERAL PURPOSE SIMULATION SYSTEM/360 DOS VERSION 2
 SYSTEM MANUAL
 PROGRAM NUMBER 5736-XS1 FEATURE CODE 8101
 GH20-4035 GENERAL PURPOSE SIMULATION SYSTEM V-OS (GPSS V-OS)
 PROGRAM NUMBER 5734-XS2
 GH20-4040 GENERAL PURPOSE SIMULATION SYSTEM V-DOS (GPSS V-DOS)
 PROGRAM NUMBER 5736-XS3
 GH20-0825 GENERAL PURPOSE SIMULATION SYSTEM V (OS)
 APPLICATION DESCRIPTION MANUAL
 PROGRAM NUMBER 5734-XS2
 GH20-0826 GENERAL PURPOSE SIMULATION SYSTEM V (DOS)
 APPLICATION DESCRIPTION MANUAL, PROGRAM NUMBER 5736-XS3
 SH20-0866 GENERAL PURPOSE SIMULATION SYSTEM V INTRODUCTORY USER'S
 MANUAL, PROG. NOS. 5734-XS2 (OS) AND 5736-XS3 (DOS)
 SH20-0851 GENERAL PURPOSE SIMULATION SYSTEM V USER'S MANUAL, PROG.
 NOS. 5734-XS2 (OS) AND 5736-XS3 (DOS)
 SH20-0867 GENERAL PURPOSE SIMULATING SYSTEM V-OS
 (GPSS V-OS) OPERATIONS MANUAL PROGRAM NUMBER 5734-XS2
 SH20-0868 GENERAL PURPOSE SIMULATION SYSTEM V - DOS (GPSS V - DOS)
 OPERATIONS MANUAL, PROGRAM NUMBER 5736-XS3
 GX20-1828 GENERAL PURPOSE SIMULATION SYSTEM V REFERENCE SUMMARY: BLOCK
 STATEMENT FORMATS, PROG. NOS. 5734-XS2(OS) AND 5736-XS3(DOS)
 GX20-1829 GENERAL PURPOSE SIMULATION SYSTEM V REFERENCE SUMMARY: CON-
 TROL STATEMENT FORMATS, STANDARD NUMERICAL ATTRIBUTES, AND
 SYSTEM OPTIONS - PROG. NOS. 5734-XS2(OS) AND 5736-XS3(DOS)
 LY20-0596 GENERAL PURPOSE SIMULATION SYSTEM V-OS (GPSS V-OS)
 SYSTEM MANUAL, PROG. NO. 5734-XS2, FEATURE NO. 8046
 LY20-0602 GENERAL PURPOSE SIMULATION SYSTEM V - DOS SYSTEM MANUAL,
 PROG. NO. 5736-XS3, FEATURE NO. 8049
 **GH19-5039 SIMPL/I (SIMULATION LANGUAGE BASED ON PL/I) - PROGRAM
 PRODUCT SPECIFICATIONS - PROGRAM PRODUCT 5734-XXB
 **GH19-5035 SIMPL/I (SIMULATION LANGUAGE BASED ON PL/I) - PROGRAM
 PRODUCT GENERAL INFORMATION MANUAL - PROGRAM NO. 5734-XXB
 **SH19-5060 SIMPL/I (SIMULATION LANGUAGE BASED ON PL/I) PROGRAM
 REFERENCE MANUAL - PROGRAM PRODUCT 5734-XXB
 **SH19-5038 SIMPL/I (SIMULATION LANGUAGE BASED ON PL/I) OPERATIONS GUIDE
 PROGRAM PRODUCT 5734-XXB
 **LY19-5037 SIMPL/I SIMULATION LANGUAGE BASED ON PL/I LOGIC MANUAL
 PROGRAM PRODUCT 5734-XXB
 **LYA9-5038 SIMULATION LANGUAGE BASED ON PL/1 (SIMPL/1) PROGRAM LOGIC
 MANUAL, VOL. II, FLOWCHARTS - PROGRAM NUMBER 5734-XXB

TYPE II PROGRAMS (20-83)

NOTE: The following Type II program publications are available under SLSS by order number subscription only.

24 COBOL

GH20-0217 SYSTEM/360 COBOL EDIT ON THE 1401 PROGRAM REFERENCE MANUAL
(1401-SE-13X)

25 FORTRAN

GH20-0492 SYSTEM/360 DECISION LOGIC TRANSLATOR
APPLICATION DESCRIPTION
PROGRAM NUMBER 360A-CX-32X
GH20-0572 SYSTEM/360 DECISION LOGIC TRANSLATOR (360A-CX-32X) PROGRAM
DESCRIPTION MANUAL
GH20-0573 SYSTEM/360 DECISION LOGIC TRANSLATOR (360A-CX-32X)
OPERATIONS MANUAL
GY20-0263 SYSTEM/360 DECISION LOGIC TRANSLATOR SYSTEM MANUAL
PROGRAM NUMBER 360A-CX-32X

30 Access Methods, Data Management, I/O Control Programs

GH20-0319 SYSTEM/360 DATA CONVERSION AND LABEL PROCESSING SUBROUTINES,
VERSION 2 PROGRAM REFERENCE MANUAL (360A-SE-23X)
GH20-0535 PLAN GRAPHICS SUPPORT FOR THE IBM 2250 ON SYSTEM/360 (OS) OR
IBM 1130 - APPLICATION DESCRIPTION MANUAL, PROG. NOS.
1130-CX-33X AND 360A-CX-34X
GH20-0614 PLAN GRAPHICS SUPPORT FOR THE IBM 2250 ON SYSTEM/360 (OS)
OR IBM 1130 PROGRAM DESCRIPTION MANUAL PROGRAM NUMBERS
360A-CX-34X AND 1130-CX-33X
GH20-0615 PLAN GRAPHICS SUPPORT FOR THE IBM 2250 ON SYSTEM/360 (OS)
OPERATIONS MANUAL PROGRAM NUMBER 360A-CX-34X
GY20-0394 PLAN GRAPHICS SUPPORT FOR THE IBM 2250 ON SYSTEM/360 (OS)
SYSTEM MANUAL
PROGRAM NUMBER 360A-CX-34X
GH20-0242 SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR OS/360
APPLICATION DESCRIPTION
PROGRAM NUMBER 360A-SE-33X
GH20-0349 SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR OS/360 USER'S
MANUAL (360A-SE-33X)
GH20-0350 SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR OS/360
OPERATOR'S MANUAL (360A-SE-33X)
GY20-0097 SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR OS/360
SYSTEM MANUAL PROGRAM NUMBER 360A-SE-33X
GH20-0243 SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR DOS/360
APPLICATION DESCRIPTION
GH20-0346 SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR DOS/360
USER'S MANUAL (360A-SE-32X)
GH20-0347 SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR DOS/360
OPERATOR'S MANUAL (360A-SE-32X)
GY20-0096 SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR DOS/360
SYSTEM MANUAL PROGRAM NUMBER 360A-SE-32X

31 Support Programs

GH20-0490 PROBLEM LANGUAGE ANALYZER (PLAN) APPLICATION DESCRIPTION
PROGRAM NUMBERS 1130-CX-25X 360A-CX-26X 360A-CX-27X
GH20-0626 PROBLEM LANGUAGE ANALYZER (PLAN) USERS' INTRODUCTION
PROGRAM NUMBERS 1130-CX-25X, 360A-CX-26X AND 360A-CX-27X
GH20-0594 PROBLEM LANGUAGE ANALYZER (PLAN): PROGRAM DESCRIPTION MANUAL
PROG. NOS. 1130-CX-25X AND 360A-CX-36X, -27X
GH20-1066 PROBLEM LANGUAGE ANALYZER (PLAN) PROGRAM REFERENCE MANUAL
PROGRAM NUMBERS 1130-CX-25X, 360A-CX-27X
GH20-0596 SYSTEM/360 PROBLEM LANGUAGE ANALYZER (PLAN) (OS)
OPERATIONS MANUAL - PROGRAM NUMBER 360A-CX-27X
GH20-0597 SYSTEM/360 PROBLEM LANGUAGE ANALYZER (PLAN) (DOS)
(360A-CX-26X) OPERATIONS MANUAL
GY20-0345 SYSTEM/360 PROBLEM LANGUAGE ANALYZER (PLAN) (DOS/OS)
VOLUME I - FLOWCHART NARRATIVES SYSTEM MANUAL
PROGRAM NUMBERS 360A-CX-26X, 360A-CX-27X
GY20-0346 SYSTEM/360 PROBLEM LANGUAGE ANALYZER (PLAN) (DOS/OS)
VOLUME II - FLOWCHARTS SYSTEM MANUAL
PROGRAM NUMBERS 360A-CX-26X, 360A-CX-27X
GY20-0350 SYSTEM/360 PROBLEM LANGUAGE ANALYZER (PLAN) (DOS)
VOLUME III - ASSEMBLY LISTINGS SYSTEM MANUAL
PROGRAM NUMBER 360A-CX-26X

32 Utilities

GH20-0194 SYSTEM/360 DATA CONVERSION UTILITIES - APPLICATION
DESCRIPTION PROGRAM NUMBERS, 360A-SE-15X, 360A-SE-20X,
360A-SE-26X
GH20-0232 SYSTEM/360 DATA CONVERSION UTILITY I PROGRAMMER'S MANUAL
(360A-SE-15X)
GH20-0233 SYSTEM/360 DATA CONVERSION UTILITY I OPERATOR'S MANUAL
(360A-SE-15X)
GH20-0314 SYSTEM/360 DATA CONVERSION UTILITY II, VERSION 3
(DIRECT ACCESS INDEXED SEQUENTIAL) - OPERATOR'S MANUAL
(360A-SE-20X)

GY20-0067 SYSTEM/360 DATA CONVERSION UTILITIES II, VERSION 2
(SEQUENTIAL, DIRECT ACCESS) SYSTEM MANUAL
PROGRAM NUMBER 360A-SE-20X

GH20-0285 SYSTEM/360 DATA CONVERSION UTILITY III, VERSION 2
PROGRAMMER'S MANUAL (360A-SE-26X)

GH20-0286 SYSTEM/360 DATA CONVERSION UTILITY III, VERSION 2
OPERATOR'S MANUAL
PROGRAM NUMBER 360A-SE-26X

GY20-0042 SYSTEM/360 DATA CONVERSION UTILITY III, VERSION 2 -
SYSTEM MANUAL PROGRAM NUMBER 360A-SE-26X

38 Remote Job Entry

GH20-0545 SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM (RAX)
(360A-CX-17X) VERSION 4 APPLICATION DESCRIPTION

GH20-0354 SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM (RAX)
(360A-CX-17X) VERSION 4 PROGRAM DESCRIPTION MANUAL

GH20-0355 SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM (RAX)
(360A-CX-17X) VERSION 3 OPERATIONS MANUAL

GY20-0101 SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM (RAX)
VERSION 3 SYSTEM MANUAL PROGRAM NUMBER 360A-CX-17X

60 Industries - General Information

GH20-0522 BIBLIOGRAPHY OF APPLICATION PUBLICATIONS -
DISTRIBUTION INDUSTRIES

GC20-1747 BIBLIOGRAPHY OF APPLICATION PUBLICATIONS EDUCATION INDUSTRY

GH20-0507 APPLICATION BIBLIOGRAPHY FINANCE AND SECURITIES INDUSTRIES

GH20-0536 BIBLIOGRAPHY OF APPLICATION PUBLICATIONS INSURANCE INDUSTRY

GH20-0531 BIBLIOGRAPHY OF APPLICATION PUBLICATIONS - MEDIA INDUSTRIES

GH20-0970 BIBLIOGRAPHY OF APPLICATION PUBLICATIONS MEDICAL INDUSTRIES

GH20-0530 BIBLIOGRAPHY OF APPLICATION PUBLICATIONS, PUBLIC UTILITY
INDUSTRIES

GC20-1740 STATE AND LOCAL GOVERNMENT INDUSTRIES BIBLIOGRAPHY

63 Distribution

GE20-0188 RETAIL IMPACT (INVENTORY MANAGEMENT PROGRAM AND CONTROL
TECHNIQUES): APPLICATION DESCRIPTION
PROG. NOS. 360A-DR-04X,05X,08X,09X

GH20-0480 IBM RETAIL IMPACT FASHION SYSTEM UNDER OPERATING SYSTEM/360
(360A-DR-04X) - PROGRAM DESCRIPTION MANUAL

GH20-0481 RETAIL IMPACT FASHION SYSTEM UNDER OPERATING SYSTEM/360
(360A-DR-04X) - OPERATIONS MANUAL

GH20-0540 RETAIL IMPACT FASHION SYSTEM UNDER DISK OPERATING SYSTEM/360
(360A-DR-08X) PROGRAM DESCRIPTION MANUAL

GH20-0541 RETAIL IMPACT FASHION SYSTEM UNDER DISK OPERATING SYSTEM/360
(360A-DR-08X), OPERATIONS MANUAL

GH20-0591 SYSTEM/360 RETAIL IMPACT STAPLE SYSTEM (OS)
PROGRAM DESCRIPTION MANUAL
PROGRAM NUMBER 360A-DR-05X

GH20-0593 SYSTEM/360 RETAIL IMPACT STAPLE SYSTEM (OS)
OPERATIONS MANUAL, PROG. NO. 360A-DR-05X

GH20-0592 SYSTEM/360 RETAIL IMPACT STAPLE SYSTEM (DOS)
OPERATIONS MANUAL - PROGRAM NUMBER 360A-DR-09X

GH20-0599 SYSTEM/360 RETAIL IMPACT STAPLE SYSTEM (DOS)
PROGRAM DESCRIPTION MANUAL - PROGRAM NUMBER 360A-DR-09X

GH20-0173 SYSTEM/360 WHOLESALE IMPACT PROGRAM LIBRARY (360A-DW-05X) -
APPLICATION DESCRIPTION

GH20-0256 SYSTEM/360 WHOLESALE IMPACT PROGRAM LIBRARY (360A-DW-05X) -
OPERATOR'S MANUAL

GH20-0255 SYSTEM/360 WHOLESALE IMPACT PROGRAM LIBRARY (360A-DW-05X) -
USER'S MANUAL

GY20-0230 SYSTEM/360 WHOLESALE IMPACT PROGRAM LIBRARY SYSTEM MANUAL
PROG. NOS. 360A-DW-05X (ABOVE MOD 20), 360V-DW-06X (MOD 20)

GE20-0306 1287 INPUT CONVERSION PROGRAM, APPLICATION DESCRIPTION
PROGRAM NUMBER 360A-DR-07X

GH20-0527 SYSTEM/360 1287 INPUT CONVERSION PROGRAM (360A-DR-07X)
PROGRAM DESCRIPTION MANUAL

GH20-0528 SYSTEM/360 1287 INPUT CONVERSION PROGRAM (360A-DR-07X)
OPERATIONS MANUAL

GY20-0209 SYSTEM/360 1287 INPUT CONVERSION PROGRAM
SYSTEM MANUAL PROGRAM NUMBER 360A-DR-07X

64 Education

GH20-0587 COURSEWRITER III FOR SYSTEM/360 VERSION 2 APPLICATION
DESCRIPTION PROGRAM NUMBER 360A-UX-01X

GH20-0720 COURSEWRITER III FOR SYSTEM/360 VERSION 2 OPERATOR'S GUIDE
PROGRAM NUMBER 360A-UX-01X

GH20-0609 COURSEWRITER III FOR SYSTEM/360 (360A-UX-01X) VERSION 2
AUTHOR'S GUIDE

GX20-1781 IBM AUTHOR'S COURSEWRITER III REFERENCE CARD
 PROGRAM NUMBERS 360A-UX-01X, 5734-E12
 GH20-0608 COURSEWRITER III FOR SYSTEM/360 (360A-UX-01X)
 STUDENT/MONITOR USER'S GUIDE VERSION 2
 GX20-1780 COURSEWRITER III SYSTEM STUDENT/MONITOR REFERENCE CARD
 PROGRAM NUMBERS 5734-E12 360A-UX-01X
 GH20-0610 COURSEWRITER III FOR SYSTEM/360 (360A-UX-01X) VERSION 2
 SUPERVISOR'S GUIDE
 GX20-1782 IBM SUPERVISOR'S COURSEWRITER III REFERENCE CARD
 PROGRAM NUMBERS 5734-E12, 360A-UX-01X
 GY20-0372 COURSEWRITER III FOR SYSTEM/360 VERSION 2 SYSTEM
 PROGRAMMER'S GUIDE PROGRAM NUMBER 360A-UX-01X
 GH20-0202 STUDENT SCHEDULING SYSTEM/360 APPLICATION DESCRIPTION
 PROGRAM NUMBERS 360A-US-06X, 360A-US-07X
 GH20-0220 STUDENT SCHEDULING SYSTEM/360 THE TALLY AND CONFLICT MATRIX
 PROGRAMS (360A-US-06X) USER'S MANUAL
 GH20-0239 STUDENT SCHEDULING SYSTEM/360 THE SCHEDULER PROGRAM
 (360A-US-07X) USER'S MANUAL
 GY20-0213 STUDENT SCHEDULING SYSTEM/360 THE SCHEDULER PROGRAM
 (360A-US-07X) SYSTEM MANUAL

65 Engineering (see also codes 72, 82 and 83)

GH20-0617 MECHANISM DESIGN SYSTEM-KINEMATICS PROGRAM DESCRIPTION
 MANUAL PROGRAM NOS. 1130-EM-03X, 360A-EM-04X AND 360A-EM-05X
 GH20-0618 MECHANISM DESIGN SYSTEM-KINEMATICS OPERATIONS MANUAL
 PROGRAM NOS. 1130-EM-03X, 360A-EM-04X AND 360A-EM-05X
 GH20-0489 PROGRAM FOR OPTICAL SYSTEM DESIGN/II (POSD/II) - APPLICATION
 DESCRIPTION, PROG. NOS. 1130-EO-14X AND 360A-EO-15X, 16X
 GH20-0577 PROGRAM FOR OPTICAL SYSTEM DESIGN/II (POSD/II) (1130-EO-14X,
 360A-EO-15X, 360A-EO-16X) PROGRAM DESCRIPTION MANUAL
 GH20-0578 PROGRAM FOR OPTICAL SYSTEM DESIGN/II (POSD/II) (1130-EO-14X,
 360A-EO-15X, 360A-EO-16X) OPERATIONS MANUAL
 GY20-0364 SYSTEM/360 PROGRAM FOR OPTICAL SYSTEM DESIGN/II (POSD/II)
 (OS) SYSTEM MANUAL-ASSEMBLY LISTINGS
 PROGRAM NUMBER 360A-EO-15X
 GY20-0365 SYSTEM/360 PROGRAM FOR OPTICAL SYSTEM DESIGN/II (POSD/II)
 (DOS) SYSTEM MANUAL-ASSEMBLY LISTINGS
 PROGRAM NUMBER 360A-EO-16X

67 Finance

GE20-0246 SYSTEM/360 DEMAND DEPOSIT ACCOUNTING APPLICATION DESCRIPTION
 PROGRAM NUMBER 360A-FB-15X
 GH20-0263 SYSTEM/360 DEMAND DEPOSIT ACCOUNTING (360A-FB-15X)
 PROGRAMMER'S MANUAL
 GH20-0262 SYSTEM/360 DEMAND DEPOSIT ACCOUNTING (360A-FB-15X) -
 --OPERATOR'S MANUAL
 GH20-0149 SYSTEM/360 ONLINE TELLER PROGRAM WITH BACKGROUND PROCESSING
 CAPABILITY (360A-FB-16X) APPLICATION DESCRIPTION
 GH20-0305 SYSTEM/360 ON LINE TELLER PROGRAM WITH BACKGROUND PROCESSING
 CAPABILITY (PROGRAM NUMBER 360A-FB-16X) PROGRAMMER'S MANUAL
 GH20-0325 SYSTEM/360 ONLINE TELLER PROGRAM WITH BACKGROUND PROCESSING
 CAPABILITY (PROGRAM NUMBER 360A-FB-16X) OPERATOR'S MANUAL
 GY20-0071 SYSTEM/360 ONLINE TELLER PROGRAM WITH BACKGROUND PROCESSING
 CAPABILITY SYSTEM'S MANUAL, PROGRAM NUMBER 360A-FB-16X
 GE20-0228 OPTIMUM BOND BIDDING - USER'S MANUAL
 PROGRAM NUMBER 360A-FI-06X
 **GX20-1736 OPTIMUM BOND BIDDING WORKSHEET
 PROGRAM NUMBER 360A-FI-06X

71 Insurance

NOTE: The ALIS publications listed below apply to both Version I (360A-IL-09X) and Version 2 (5736-N11). See "71" in "Licensed Application Programs" for manuals applying to Version 2 alone.

GH20-0126 ADVANCED LIFE INFORMATION SYSTEM (DOS): APPLICATION
 DESCRIPTION MANUAL, PROG. NOS. 360A-IL-09X, 5736-N11
 GH20-0518 ADVANCED LIFE INFORMATION SYSTEM (DOS)
 PROGRAM DESCRIPTION MANUAL
 (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
 GH20-0519 ADVANCED LIFE INFORMATION SYSTEM (DOS)
 UTILITY PROGRAM DESCRIPTION MANUAL
 (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
 GH20-0517 ADVANCED LIFE INFORMATION SYSTEM (DOS)
 OPERATIONS MANUAL
 (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
 GH20-0588 ADVANCED LIFE INFORMATION SYSTEM (DOS): HOME OFFICE INQUIRY
 PROGRAM, TERMINAL OPERATIONS MANUAL, PROG. NOS. 360A-IL-09X,
 5736-N11
 GH20-0483 ADVANCED LIFE INFORMATION SYSTEM (DOS): POLICY MASTER RECORD
 CODE BOOK, PROG. NOS. 360A-IL-09X, 5736-N11

GH20-0669 ADVANCED LIFE INFORMATION SYSTEM (DOS)
ACCOUNTING CONTROL, SYSTEM MANUAL
PROGRAM NUMBERS 360A-IL-09X AND 5736-N11

GH20-0645 ADVANCED LIFE INFORMATION SYSTEM (DOS)
BATCH EDIT, SYSTEM MANUAL
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

GH20-0650 ADVANCED LIFE INFORMATION SYSTEM (DOS)
DATA CELL REORGANIZATION PROGRAM, POLICY MASTER RECORD MERGE
PROGRAM, DATA CELL RECONSTRUCTION PROGRAM, AND DATA CELL
RESTORE PROGRAM, SYSTEMS MANUAL
PROGRAM NUMBERS 360A-IL-09X AND 5736-N11

GH20-0670 ADVANCED LIFE INFORMATION SYSTEM (DOS)
ERROR REGISTER, SYSTEM MANUAL
PROGRAM NUMBERS 360A-IL-09X AND 5736-N11

GH20-0661 ADVANCED LIFE INFORMATION SYSTEM (DOS)
FILE MAINTENANCE BILLING TRANSACTIONS SYSTEM MANUAL
(PROGRAM NUMBER: VERSION 1-360A-IL-09X VERSION 2 - 5736-N11)

GH20-0653 ADVANCED LIFE INFORMATION SYSTEM (DOS)
FILE MAINTENANCE CALL (S) ROUTINES (NARRATIVES),
SYSTEM MANUAL
PROGRAM NUMBERS 360A-IL-09X, 5736-N11

GH20-0654 ADVANCED LIFE INFORMATION SYSTEM (DOS)
FILE MAINTENANCE CALL ROUTINES (S) (FLOWCHARTS),
SYSTEM MANUAL
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

GH20-0664 ADVANCED LIFE INFORMATION SYSTEM (DOS)
FILE MAINTENANCE CONTRACTUAL CHANGES AND NOTIFICATIONS,
SYSTEM MANUAL
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

GH20-0658 ADVANCED LIFE INFORMATION SYSTEM (DOS)
FILE MAINTENANCE FINANCIAL TRANSACTIONS ACCOUNTING ENTRIES,
SYSTEM MANUAL
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

GH20-0651 ADVANCED LIFE INFORMATION SYSTEM (DOS)
ALIS -- FILE MAINTENANCE INCLUDE (R) ROUTINES (NARRATIVES),
SYSTEM MANUAL - PROGRAM NUMBERS 360A-IL-09X AND 5736-N11

GH20-0652 ADVANCED LIFE INFORMATION SYSTEM (DOS)
FILE MAINTENANCE INCLUDE (R) ROUTINES (FLOWCHARTS),
SYSTEM MANUAL
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

GH20-0655 ADVANCED LIFE INFORMATION SYSTEM (DOS)
FILE MAINTENANCE ISSUES, ADDITIONS, COMPLEX CHANGES, AND
TERMINATIONS TRANSACTIONS, SYSTEM MANUAL
PROGRAM NUMBERS 360A-IL-09X AND 5736-N11

GH20-0662 ADVANCED LIFE INFORMATION SYSTEM (DOS)
FILE MAINTENANCE PREMIUM DUE, OVERDUE, AND ANNIVERSARY
PROCESSING TRANSACTIONS, SYSTEM MANUAL
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

GH20-0663 ADVANCED LIFE INFORMATION SYSTEM (DOS)
FILE MAINTENANCE RATE FILE EXTRACT AND ANNIVERSARY EXTRACT
UPDATE TRANSACTIONS, SYSTEM MANUAL
PROGRAM NUMBERS 360A-IL-09X AND 5736-N11

GH20-0649 ADVANCED LIFE INFORMATION SYSTEM (DOS)
FILE MAINTENANCE RUN EXECUTIVE, SYSTEM MANUAL
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

GH20-0656 ADVANCED LIFE INFORMATION SYSTEM (DOS)
FILE MAINTENANCE SIMPLE CHANGES TRANSACTIONS, SYSTEM MANUAL
PROGRAM NUMBERS 5736-N11 AND 360A-IL-09X

GH20-0660 ADVANCED LIFE INFORMATION SYSTEM (DOS)
FILE MAINTENANCE STATUS TRANSACTIONS - PROCESS AND QUOTE
MISCELLANEOUS, LOAN VALUES, AND PARTICIPATION VALUES,
SYSTEM MANUAL
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

GH20-0659 ADVANCED LIFE INFORMATION SYSTEM (DOS)
FILE MAINTENANCE STATUS TRANSACTIONS - PROCESS AND QUOTE
TERMINATIONS, SYSTEM MANUAL
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

GH20-0657 ADVANCED LIFE INFORMATION SYSTEM (DOS)
FILE MAINTENANCE 36XX FINANCIAL TRANSACTIONS - PAYMENTS,
SYSTEM MANUAL
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

GH20-0647 ADVANCED LIFE INFORMATION SYSTEM (DOS)
FREQUENTLY USED RECORD FORMATS, SYSTEM MANUAL
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

GH20-0672 ADVANCED LIFE INFORMATION SYSTEM (DOS)
HOME OFFICE INQUIRY PROGRAM SYSTEM MANUAL
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

GH20-0646 ADVANCED LIFE INFORMATION SYSTEM (DOS)
ALIS -- INPUT EDIT, SYSTEM MANUAL
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

GH20-0648 ADVANCED LIFE INFORMATION SYSTEM (DOS)
MISCELLANEOUS VOLUME, SYSTEM MANUAL
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

GH20-0665 ADVANCED LIFE INFORMATION SYSTEM (DOS)
OUTPUT ANALYSIS, SYSTEM MANUAL
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

GH20-0668 ADVANCED LIFE INFORMATION SYSTEM (DOS)
POLICY ACCOUNTING JOURNAL, SYSTEM MANUAL
PROGRAM NUMBERS 360A-IL-09X AND 5736-N11

GH20-0671 ADVANCED LIFE INFORMATION SYSTEM (DOS)
RATE FILE, SYSTEM MANUAL
PROGRAM NUMBERS 360A-IL-09X AND 5736-N11

GH20-0667 ADVANCED LIFE INFORMATION SYSTEM STATUS PRINT, SYSTEM MANUAL
(PROGRAM NUMBER: VERSION 1-360A-IL-09X VERSION 2 - 5736-N11)

GH20-0666 ADVANCED LIFE INFORMATION SYSTEM (DOS)
TRANSACTION REGISTER, SYSTEM MANUAL
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

GH20-0283 PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS):
APPLICATION DESCRIPTION, PROG. NOS. 5736-N21/22/24/25 AND
360A-IF-10X/11X/13X

GH20-0501 PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS)
PROGRAM DESCRIPTION MANUAL
PROGRAM NUMBERS 360A-IF-10X, 360A-IF-11X, 360A-IF-13X,
5736-N21

GH20-0498 PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS)
BASIC PROGRAM (360A-IF-10X) OPERATIONS MANUAL

GH20-0497 PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS)
BASIC PROGRAM (360A-IF-10X) PROGRAM DESCRIPTION AND
SYSTEM MANUAL

GH20-0500 PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS)
AUTOMOBILE CLAIMS PROCESSING (360A-IF-11X)
PROGRAM DESCRIPTION AND SYSTEM MANUAL

GH20-0499 PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS)
AUTOMOBILE PREMIUM PROCESSING PROGRAM DESCRIPTION AND
SYSTEM MANUAL PROGRAM NUMBERS: 360A-IF-11X, 5736-N21

GH20-0504 PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS)
OTHER LINES CLAIMS PROCESSING (360A-IF-13X)
PROGRAM DESCRIPTION AND SYSTEM MANUAL

GH20-0503 PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS)
OTHER LINES PREMIUM PROCESSING (360A-IF-13X)
PROGRAM DESCRIPTION AND SYSTEM MANUAL

72 Manufacturing

GH20-0523 SYSTEM/360 AD-APT/AUTOSPOT (OS) NUMERICAL CONTROL
PROCESSOR APPLICATION DESCRIPTION
PROGRAM NUMBER 360A-CN-12X

GH20-0557 SYSTEM/360 AD-APT/AUTOSPOT (OS) NUMERICAL CONTROL PROCESSOR
(360A-CN-12X) OPERATION'S MANUAL

GH20-0549 SYSTEM/360 AD-APT/AUTOSPOT (OS) NUMERICAL CONTROL PROCESSOR
(360A-CN-12X) PART PROGRAMMING MANUAL

GY20-0267 SYSTEM/360 AD-APT/AUTOSPOT (OS) NUMERICAL CONTROL PROCESSOR
(360A-CN-12X) SYSTEM MANUAL

GYB0-0348 SYSTEM/360 AD-APT/AUTOSPOT (OS)
NUMERICAL CONTROL PROCESSOR: LISTINGS
APPLICATION - PROGRAM NUMBER 360A-CN-12X

GH20-0181 SYSTEM/360 APT NUMERICAL CONTROL PROCESSOR VERSIONS 3 AND 4
(360-CN-10X) APPLICATION DESCRIPTION

GH20-0331 SYSTEM/360 APT NUMERICAL CONTROL PROCESSOR
(360A-CN-10X) VERSION 4 OPERATIONS MANUAL

GH20-0309 SYSTEM/360 APT NUMERICAL CONTROL PROCESSOR VERSION 4
PART PROGRAMMING MANUAL PROGRAM NUMBER 360A-CN-10X

GY20-0080 SYSTEM/360 APT NUMERICAL CONTROL PROCESSOR VERSION 4: SYSTEM
MANUAL - FLOWCHARTS, PROG. NO. 360A-CN-10X

GY20-0227 SYSTEM/360 APT NUMERICAL CONTROL PROCESSOR
VERSION 4 SYSTEM MANUAL - FLOWCHARTS
PROGRAM NUMBER 360A-CN-10X

GY20-0357 SYSTEM/360 APT NUMERICAL CONTROL PROCESSOR
VERSION 4 ASSEMBLY LISTINGS: SYSTEM MANUAL
PROGRAM NUMBER 360A-CN-10X

GH20-0462 S/360 AUTOSPOT NUMERICAL CONTROL PROCESSOR: APPLICATION
DESCRIPTION, PROG. NO. 360A-CN-08X

GH20-0463 SYSTEM/360 AD-APT/AUTOSPOT NUMERICAL CONTROL PROCESSOR
(360A-CN-09X) APPLICATION DESCRIPTION

GH20-0374 S/360 AUTOSPOT (360A-CN-08X) AND AD-APT/AUTOSPOT
(360A-CN-09X) NUMERICAL CONTROL PROCESSORS-VERSION 2
OPERATOR'S MANUAL

GH20-0373 S/360 AUTOSPOT NUMERICAL CONTROL PROCESSOR VERSION 2:
"PART" PROGRAMMING MANUAL - PROG. NO. 360A-CN-08X

GH20-0375 SYSTEM/360 AD-APT/AUTOSPOT NUMERICAL CONTROL PROCESSOR
(360A-CN-09X) VERSION 2 PART PROGRAMMING MANUAL

GY20-0119 S/360 AUTOSPOT NUMERICAL CONTROL PROCESSOR: SYSTEM MANUAL,
PROG. NO. 360A-CN-08X

GY20-0118 S/360 AD-APT/AUTOSPOT NUMERICAL CONTROL PROCESSOR: SYSTEM
MANUAL, PROG. NO. 360A-CN-09X

GH20-0197 S/360 BILL OF MATERIAL PROCESSOR (360A-ME-06X)
APPLICATION DESCRIPTION

GH20-0246 S/360 BILL OF MATERIAL PROCESSOR (360-ME-06X) VERSION 2
PROGRAMMER'S MANUAL

GH20-0254 S/360 BILL OF MATERIAL PROCESSOR (360A-ME-06X) VERSION 2
OPERATOR'S MANUAL

GY20-0099 SYSTEM/360 BILL OF MATERIAL PROCESSOR
VERSION 2 SYSTEM MANUAL PROGRAM NUMBER 360A-ME-06X

GH20-0471 SYSTEM/360 INVENTORY CONTROL APPLICATION DESCRIPTION

GH20-0555 SYSTEM/360 INVENTORY CONTROL (360A-MF-04X) PROGRAM
DESCRIPTION MANUAL

GH20-0556 SYSTEM/360 INVENTORY CONTROL (360A-MF-04X) OPERATIONS
MANUAL

GY20-0256 SYSTEM/360 INVENTORY CONTROL SYSTEM MANUAL
PROGRAM NUMBER 360A-MF-04X

GH20-0329 SYSTEM/360 PRODUCT STRUCTURE RETRIEVAL PROGRAM
APPLICATION DESCRIPTION

GH20-0369 SYSTEM/360 PRODUCT STRUCTURE RETRIEVAL PROGRAM
(360A-ME-07X) PROGRAMMER'S MANUAL

GH20-0370 SYSTEM/360 PRODUCT STRUCTURE RETRIEVAL PROGRAM
(360A-ME-07X) OPERATOR'S MANUAL

GY20-0112 IBM SYSTEM/360 PRODUCT STRUCTURE RETRIEVAL
SYSTEMS MANUAL PROGRAM NUMBER 360A-ME-07X

GH20-0487 SYSTEM/360 REQUIREMENTS PLANNING APPLICATION DESCRIPTION
PROGRAM NUMBER 360A-MF-05X

GH20-0584 SYSTEM/360 REQUIREMENTS PLANNING (360A-MF-05X) PROGRAM
DESCRIPTION MANUAL

GH20-0583 SYSTEM/360 REQUIREMENTS PLANNING (360A-MF-05X) OPERATIONS
MANUAL

GY20-0317 SYSTEM/360 REQUIREMENTS PLANNING
SYSTEM MANUAL PROGRAM NUMBER 360A-MF-05X

73 Media (see also code 79)

GE20-0256 SYSTEM/360 TEXT PROCESSOR -- COMPOSITION/360,
APPLICATION DESCRIPTION
PROGRAM NUMBER 360A-DP-08X

GH20-0585 SYSTEM/360 TEXT PROCESSOR - COMPOSITION/360 (360A-DP-08X),
PROGRAM DESCRIPTION MANUAL

GH20-0579 SYSTEM/360 TEXT PROCESSOR - COMPOSITION/360 (360A-DP-08X),
OPERATIONS MANUAL

GY20-0318 SYSTEM/360 TEXT PROCESSOR - COMPOSITION/360
VOLUME I - FLOWCHART NARRATIVES SYSTEM MANUAL
PROGRAM NUMBER 360A-DP-08X

GY20-0319 SYSTEM/360 TEXT PROCESSOR -- COMPOSITION/360
VOLUME II -- FLOWCHARTS SYSTEM MANUAL
PROGRAM NUMBER 360A-DP-08X

GE20-0257 SYSTEM/360 TEXT PROCESSOR - HYPHENATION/360 APPLICATION
DESCRIPTION, PROGRAM NUMBER 360A-DP-07X

GH20-0525 SYSTEM/360 TEXT PROCESSOR - HYPHENATION/360 (360A-DP-07X),
PROGRAM DESCRIPTION MANUAL

GH20-0526 SYSTEM/360 TEXT PROCESSOR - HYPHENATION/360 (360A-DP-07X),
OPERATIONS MANUAL

GY20-0208 SYSTEM/360 TEXT PROCESSOR - HYPHENATION/360 SYSTEM MANUAL
PROGRAM NUMBER 360A-DP-07X

74 Medical

GY20-0153 MEDICAL INFORMATION SYSTEM PROGRAMS (MISP)
APPLICATION DESCRIPTION MANUAL
PROGRAM NUMBER 360A-UH-08L

GY20-0154 MEDICAL INFORMATION SYSTEM PROGRAMS (MISP)
PROGRAM DESCRIPTION MANUAL
PROGRAM NUMBER 360A-UH-08L

GH20-0697 MEDICAL INFORMATION SYSTEM PROGRAMS (MISP)
PROGRAMMER'S MANUAL - PROGRAM NUMBER 360A-UH-08L

GY20-0157 MEDICAL INFORMATION SYSTEM PROGRAMS (MISP)
OPERATIONS MANUAL PROGRAM NUMBER 360A-UH-08L

GH20-0302 SHARED HOSPITAL ACCOUNTING SYSTEM (SHAS)
VERSION 2 APPLICATION DESCRIPTION, PROG. NO. 360A-UH-11X

GH20-0533 SHARED HOSPITAL ACCOUNTING SYSTEM (SHAS) (360A-UH-11X)
PROGRAM DESCRIPTION MANUAL

GH20-0534 SHARED HOSPITAL ACCOUNTING SYSTEM (SHAS) (360A-UH-11X)
VERSION 2: OPERATIONS MANUAL

**G320-1028 SHARED HOSPITAL ACCOUNTING SYSTEM (SHAS) DIAGNOSTIC MESSAGES
PROGRAM NUMBER 360A-UH-11X
APPLICATION PROGRAM MANUAL

**G320-1030 SHARED HOSPITAL ACCOUNTING SYSTEM (SHAS) TERMINAL OPERATORS
REFERENCE GUIDE - PROGRAM NUMBER 360A-UH-11X

**GX20-1788 CHARGE DESCRIPTION MASTER WORKSHEET
PROGRAM NUMBERS 5736-H13, 360A-UH-11X

**GX20-1789 DOCTOR MASTER FILE - WORKSHEET
PROGRAM NUMBERS 360A-UH-11X, 5736-H13
**GX20-1790 ROOM AND BED MASTER
PROG. NOS. 5736-H13, 360A-UH-11X
GY20-0215 SHARED HOSPITAL ACCOUNTING SYSTEM (SHAS) SYSTEM MANUAL
PROGRAM NUMBER 360A-UH-11X

76 Public Utilities

GH20-0165 COMMUNICATION CONTROL APPLICATION PROGRAM (360A-SC-01X)
APPLICATION DESCRIPTION
GH20-0244 COMMUNICATIONS CONTROL APPLICATION PROGRAM (360A-SC-01X)
PROGRAMMER'S MANUAL
GH20-0245 COMMUNICATIONS CONTROL APPLICATION PROGRAM (360A-SC-01X)
(CCAP) OPERATOR'S MANUAL
GH20-0844 MANAGEMENT INFORMATION SYSTEM FOR PUBLIC UTILITIES
WITH THE IBM SYSTEM/370
GE20-0022 PUBLIC UTILITY CUSTOMER ACCOUNTING WITH THE IBM SYSTEM/360
ONLINE COMMUNICATION SYSTEM

78 Transportation

GH20-0464 IBM SYSTEM/360 VEHICLE SCHEDULING PROGRAM (360A-ST-06X)
APPLICATION DESCRIPTION
GH20-0506 SYSTEM/360 VEHICLE SCHEDULING PROGRAM (360A-ST-06X) PROGRAM
DESCRIPTION AND OPERATIONS MANUAL
GYB0-0492 SYSTEM/360 VEHICLE SCHEDULING PROGRAM (360A-ST-06X)
LISTINGS - SYSTEM MANUAL
GY20-0168 SYSTEM/360 VEHICLE SCHEDULING PROGRAM
SCHEDULING PRODUCTION AND DISTANCE LISTING SYSTEM MANUAL
PROGRAM NUMBER 360A-ST-06X

79 Cross-Industry (see also 81-83 for selections)

GH20-0297 SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM-OS (ATS/OS)
(360A-CX-19X) APPLICATION DESCRIPTION MANUAL
GH20-0582 SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM-OS (ATS/OS)
(360A-CX-19X) PROGRAM DESCRIPTION MANUAL
GH20-0590 SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM - OS (ATS/OS)
CONSOLE OPERATIONS MANUAL, PROG. NO. 360A-CX-19X
G320-1002 ATS/360 - OS COMPUTER OPERATOR'S QUICK REFERENCE GUIDE
PROGRAM NUMBER 360A-CX-19X
GH20-0589 SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM-OS (ATS/OS)
(360A-CX-19X) TERMINAL OPERATIONS MANUAL
G320-0956 ATS/360 TERMINAL OPERATOR'S QUICK REFERENCE GUIDE
PROGRAM NUMBERS 360A-CX-18X, 360A-CX-19X
**GY20-0320 IBM SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM-OS (ATS/OS)
SYSTEM MANUAL PROGRAM NUMBER 360A-CX-19X
GH20-0510 SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM DOS (ATS/DOS)
(360A-CX-18X) APPLICATION DESCRIPTION
GH20-0508 SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM DOS (ATS/DOS)
(360A-CX-18X) PROGRAM DESCRIPTION MANUAL
GH20-0511 SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM DOS
(ATS/DOS) (360A-CX-18X) COMPUTER CENTER OPERATOR'S
MANUAL
G320-0958 ATS/360 - DOS COMPUTER OPERATOR'S QUICK REFERENCE GUIDE
PROGRAM NUMBER 360A-CX-18X
GH20-0509 SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM DOS (ATS/DOS)
(360A-CX-18X) TERMINAL OPERATOR'S MANUAL
G320-0956 ATS/360 TERMINAL OPERATOR'S QUICK REFERENCE GUIDE
PROGRAM NUMBERS 360A-CX-18X, 360A-CX-19X
GY20-0174 SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM DOS (ATS/DOS)
SYSTEM MANUAL PROGRAM NUMBER 360A-CX-18X
GH20-0315 IBM SYSTEM/360 DOCUMENT PROCESSING SYSTEM (360A-CX-12X)
APPLICATION DESCRIPTION
GH20-0477 IBM SYSTEM/360 DOCUMENT PROCESSING SYSTEM (360A-CX-12X)
PROGRAM DESCRIPTION AND OPERATIONS MANUAL
GY20-0143 IBM SYSTEM/360 DOCUMENT PROCESSING SYSTEM SYSTEM MANUAL
PROGRAM NUMBER 360A-CX-12X
GH20-0199 FLOWCHART - APPLICATION DESCRIPTION
PROGRAM NUMBERS 360A-SE-22X
GH20-0294 SYSTEM/360 FLOWCHART OPERATOR'S MANUAL
PROGRAM NUMBER 360A-SE-22X
GH20-0293 SYSTEM/360 FLOWCHART USER'S MANUAL (360A-SE-22X)
GY20-0062 SYSTEM/360 FLOWCHART SYSTEM MANUAL
PROGRAM NUMBER 360A-SE-22X
GH20-0352 1400 AUTOCODER TO COBOL CONVERSION AID PROGRAM - APPLICATION
DESCRIPTION (360A-SE-19X)
GY20-0105 1400 AUTOCODER TO COBOL CONVERSION AID PROGRAM PROGRAMMER'S
MANUAL PROGRAM NUMBER 360A-SE-19X
GY20-0106 1400 AUTOCODER TO COBOL CONVERSION AID PROGRAM OPERATOR'S
MANUAL PROGRAM NUMBER 360A-SE-19X

GY20-0124 1400 AUTOCODER TO COBOL CONVERSION AID PROGRAM SYSTEM
MANUAL PROGRAM NUMBER 360A-SE-19X

81 Cross-Industry - Management, Planning, Project Control

GH20-0222 SYSTEM/360 PROJECT CONTROL SYSTEM (360A-CP-06X) VERSION 2
APPLICATION DESCRIPTION
GH20-0376 PROJECT CONTROL SYSTEM/360 (360A-CP-06X) VERSION 2
PROGRAM DESCRIPTION AND OPERATIONS MANUAL
GY20-0126 PROJECT CONTROL SYSTEM/360 VERSION 2 SYSTEM MANUAL
PROGRAM NUMBER 360A-CP-06X
GYB0-0304 PROJECT CONTROL SYSTEM/360 VERSION 2 MICROFICHE-LISTINGS
PROGRAM NUMBER: 360A-CP-06X
GH20-0210 PROJECT MANAGEMENT SYSTEM (360A-CP-04X) VERSION 2 FOR IBM
SYSTEM/360 - APPLICATION DESCRIPTION
GH20-0344 PROJECT MANAGEMENT SYSTEM/360 (360A-CP-04X) VERSION 2
PROGRAM DESCRIPTION AND OPERATIONS MANUAL
GY20-0084 PROJECT MANAGEMENT SYSTEM/360 VERSION 2
COST PROCESSOR SYSTEM MANUAL
PROGRAM NUMBER 360A-CP-04X
GY20-0204 PROJECT MANAGEMENT SYSTEM/360 FLOWCHART
SYSTEM MANUAL PROGRAM NUMBER 360A-CP-04X
GY20-0083 PROJECT MANAGEMENT SYSTEM/360 VERSION 2
NETWORK PROCESSOR SYSTEM MANUAL
PROGRAM NUMBER 360A-CP-04X
GY20-0085 PROJECT MANAGEMENT SYSTEM VERSION 2, REPORT
PROCESSOR SYSTEM MANUAL
PROGRAM NUMBER 360A-CP-04X

82 Cross-Industry - Mathematics and Science

GE20-0350 A PREFACE TO LINEAR PROGRAMMING AND ITS APPLICATIONS
GH20-0513 LINEAR PROGRAMMING SYSTEM/360 (LPS/360)
(360A-CO-18X) APPLICATION DESCRIPTION
GH20-0607 LINEAR PROGRAMMING SYSTEM/360 (LPS/360) (360A-CO-18X)
PROGRAM DESCRIPTION MANUAL
GH20-0611 LINEAR PROGRAMMING SYSTEM/360 (LPS/360) (360A-CO-18X)
OPERATIONS MANUAL
GY20-0405 LINEAR PROGRAMMING SYSTEM/360 (LPS/360) SYSTEM MANUAL
PROGRAM NUMBER 360A-CO-18X
GYB0-0414 LINEAR PROGRAMMING SYSTEM/360 (LPS/360)
COMPILATION/ASSEMBLY LISTINGS MANUAL
MICROFICHE - PROGRAM NUMBER 360A-CO-18X
GH20-0496 MARVEL/360 (360A-CO-15X) PRIMER
GH20-0505 MARVEL/360 (360A-CO-15X) PROGRAM DESCRIPTION MANUAL
GH20-0512 MARVEL/360 (360A-CO-15X) OPERATIONS MANUAL
GY20-0205 MARVEL/360 SYSTEM MANUAL PROGRAM NUMBER 360A-CO-15X
GH20-0136 MATHEMATICAL PROGRAMMING SYSTEM/360 APPLICATION DESCRIPTION,
PROG. NOS. 360A-CO-14X (MPS/360), -15X (MARVEL), AND -20X
(MPSRG)
GH20-0602 MATHEMATICAL PROGRAMMING SYSTEM/360 (360A-CO-14X) OPERATIONS
MANUAL
GH20-0290 MATHEMATICAL PROGRAMMING SYSTEM/360 (360A-CO-14X) VERSION 2
CONTROL LANGUAGE USER'S MANUAL
GH20-0476 MATHEMATICAL PROGRAMMING SYSTEM/360 (360A-CO-14X) LINEAR
AND SEPARABLE PROGRAMMING - USER'S MANUAL
GH20-0372 MATHEMATICAL PROGRAMMING SYSTEM/360 (360A-CO-14X) VERSION 2
READ COMMUNICATIONS FORMAT (READCOMM)
PROGRAM REFERENCE MANUAL
GH20-0603 MATHEMATICAL PROGRAMMING SYSTEM/360 (360A-CO-14X)
MESSAGE MANUAL
GY20-0065 MATHEMATICAL PROGRAMMING SYSTEM/360 VERSION 2 SYSTEM MANUAL
PROGRAM NUMBER 360A-CO-14X
GY20-0353 MATHEMATICAL PROGRAMMING SYSTEM/360 VERSION 2
FLOWCHART SYSTEM MANUAL
PROGRAM NUMBER 360A-CO-14X
GH20-0560 MATHEMATICAL PROGRAMMING SYSTEM/360 REPORT GENERATOR
(MPSRG) (360A-CO-20X) PROGRAM DESCRIPTION MANUAL
GH20-0561 MATHEMATICAL PROGRAMMING SYSTEM/360 REPORT GENERATOR
(MPSRG) (360A-CO-20X) OPERATIONS MANUAL
GY20-0294 MATHEMATICAL PROGRAMMING SYSTEM/360 REPORT GENERATOR
(MPSRG) SYSTEM MANUAL PROGRAM NUMBER 360A-CO-20X
GH20-0479 SYSTEM/360 MATRIX LANGUAGE (MATLAN) (360A-CM-05X)
APPLICATION DESCRIPTION
GH20-0564 SYSTEM/360 MATRIX LANGUAGE (MATLAN) (360A-CM-05X)
PROGRAM DESCRIPTION MANUAL
GH20-0559 SYSTEM/360 MATRIX LANGUAGE (MATLAN) (360A-CM-05X) OPERATIONS
MANUAL
GY20-0261 SYSTEM/360 MATRIX LANGUAGE (MATLAN)
SYSTEM MANUAL PROGRAM NUMBER 360A-CM-05X
GYB0-0347 SYSTEM/360 MATRIX LANGUAGE (MATLAN) LISTINGS,
PROGRAM NUMBER 360A-CM-05X

GH20-0166 SYSTEM/360 SCIENTIFIC SUBROUTINE PACKAGE (360A-CM-03X)
 VERSION III APPLICATION DESCRIPTION
 GH20-0205 SYSTEM/360 SCIENTIFIC SUBROUTINE PACKAGE (360A-CM-03X)
 VERSION III PROGRAMMER'S MANUAL
 GY20-0092 SYSTEM/360 SCIENTIFIC SUBROUTINE PACKAGE
 VERSION 3: SYSTEM MANUAL, PROG. NO. 360A-CM-03X
 GH20-0544 SYSTEM/360 SCIENTIFIC SUBROUTINE PACKAGE (PL/I)
 (360A-CM-07X) APPLICATION DESCRIPTION MANUAL
 GH20-0586 SYSTEM/360 SCIENTIFIC SUBROUTINE PACKAGE (PL/I)
 (360A-CM-07X) PROGRAM DESCRIPTION AND OPERATIONS MANUAL

83 Cross-Industry - Simulation

GH20-0240 SYSTEM/360 CONTINUOUS SYSTEM MODELING PROGRAM (360A-CX-16X)
 APPLICATION DESCRIPTION
 GH20-0367 SYSTEM/360 CONTINUOUS SYSTEM MODELING PROGRAM (360A-CX-16X)
 USER'S MANUAL
 GH20-0368 SYSTEM/360 CONTINUOUS SYSTEM MODELING PROGRAM (360A-CX-16X)
 OPERATIONS MANUAL
 GY20-0111 SYSTEM/360 CONTINUOUS SYSTEM MODELING PROGRAM
 SYSTEM MANUAL PROGRAM NUMBER 360A-CX-16X
 GH20-0186 GENERAL PURPOSE SIMULATION SYSTEM/360 - APPLICATION
 DESCRIPTION
 PROGRAM NUMBERS 360A-CS-17X, 360A-CS-19X
 GH20-0304 GENERAL PURPOSE SIMULATION SYSTEM/360
 INTRODUCTORY USER'S MANUAL
 PROGRAM NUMBERS 360A-CS-17X, 360A-CS-19X
 GH20-0326 GENERAL PURPOSE SIMULATION SYSTEM/360 USER'S MANUAL
 GH20-0311 GENERAL PURPOSE SIMULATION (360A-CS-17X) SYSTEM/360-OS -
 OPERATOR'S MANUAL
 GH20-0327 GENERAL PURPOSE SIMULATION SYSTEM/360, DISK OPERATING
 SYSTEM (360A-CS-19X) OPERATOR'S MANUAL
 GY20-0075 GENERAL PURPOSE SIMULATION SYSTEM/360 SYSTEM MANUAL
 PROGRAM NUMBERS 360A-CS-17X, 360A-CS-19X

TYPE III PROGRAMS (20-40)

NOTE: Publications on TYPE III Programs are available under
 SLSS by order number subscription only.

31 Support Programs

GH20-0759 CONVERSATIONAL PROGRAMMING SYSTEM (CPS)
 INSTALLATION AND ADMINISTRATION MANUAL
 GH20-1163 (CPS) CONVERSATIONAL PROGRAMMING SYSTEM BASIC TERMINAL
 USER'S MANUAL - PROGRAM NUMBER 360D-03.4-016
 GH20-0758 CONVERSATIONAL PROGRAMMING SYSTEM (CPS) TERMINAL USER'S
 MANUAL - PROGRAM NUMBER 360D-03.4-016
 GH20-0757 CONVERSATIONAL PROGRAMMING SYSTEM (CPS)
 SYSTEM PROGRAMMER'S GUIDE
 GY20-0504 IBM SYSTEM/360 CONVERSATIONAL PROGRAMMING SYSTEM (CPS):
 PROGRAM LOGIC MANUAL
 PROGRAM NUMBER 360D-03.4.016
 GYB0-0517 CONVERSATIONAL PROGRAMMING SYSTEM (CPS) VERSION 5 LISTINGS
 PROGRAM NUMBER 360D-03.4.016
 GH20-0719 360 DOS POWER II APPLICATION DESCRIPTION MANUAL
 PROGRAM NUMBER 360D-05.2.006
 GH20-0737 IBM SYSTEM/360 DOS POWER II PROGRAM DESCRIPTION AND
 OPERATIONS MANUAL
 PROGRAM NUMBER 360D-05.2.006
 GY20-0575 IBM SYSTEM/360 DOS POWER II, SYSTEM MANUAL
 PROGRAM NUMBER 360D-05.2.006
 GYB0-0507 IBM SYSTEM/360 DOS POWER II: LISTINGS - MICROFICHE
 PROGRAM NUMBER 360D-05.2.006

32 Utilities

GYB0-0515 2495 UTILITY FOR OS/360 - LISTINGS
 PROGRAM NUMBER 360D-00.0.020

35 Simulation or Emulation

GY20-0597 COMPATIBILITY OPERATING SYSTEM FOR EMULATION
 OF IBM 1410/7010 DATA PROCESSING SYSTEMS
 OPERATING ON IBM SYSTEM/360 MODEL 50
 (COS/50) (360D-11.1.025) PROGRAM LOGIC MANUAL
 GYB0-0598 COMPATIBILITY OPERATING SYSTEM FOR EMULATION OF IBM
 1410/7010 DATA PROCESSING SYSTEMS OPERATING ON IBM
 SYSTEM/360 MODEL 50 (COS/50) (360D-11.1.025)
 LISTINGS

36 Control Program

GH20-0802 CONTROL PROGRAM-67 / CAMBRIDGE MCNITOR SYSTEM (CP-67/CMS)
SYSTEM DESCRIPTION MANUAL - PROGRAM NUMBER 360D-05.2.005
GH20-0856 CP-67/CMS VERSION 3.1: CP-67 OPERATOR'S GUIDE, PROG. NO.
360D-05.2.005
G320-1973 CP-67/CMS VERSION 3.1: OPERATOR'S REFERENCE GUIDE (SUMMARY),
PROG. NO. 360D-05.2.005
GH20-0857 CP-67/CMS VERSION 3.1: INSTALLATION GUIDE, PROG. NO.
360D-05.2.005
GH20-0858 CONTROL PROGRAM - 67/CAMBRIDGE MCNITOR SYSTEM (CP-67/CMS)
HARDWARE MAINTAINABILITY GUIDE
PROGRAM NUMBER 360D-05.2.005
GH20-1029 CP-67/CMS VERSION 3.1: OPERATING SYSTEMS IN A VIRTUAL
MACHINE, PROG. NO. 360D-05.2.005
GH20-0859 CP-67/CMS VERSION 3.1: USER'S GUIDE, PROG. NO. 360D-05.2.005
GH20-0860 CONTROL PROGRAM - 67/CAMBRIDGE MCNITOR SYSTEM
(CP-67/CMS) VERSION 3 CMS SCRIPT USER'S MANUAL
GY20-0590 CP-67/CMS VERSION 3.1: CP-67 PROGRAM LOGIC MANUAL, PROG. NO.
360D-05.2.005
GY20-0591 CP-67/CMS VERSION 3.1: CMS PROGRAM LOGIC MANUAL, PROG. NO.
360D-05.2.005
GYB0-0592 CP-67/CMS CP67 LISTINGS - PROG. NO. 360D-05.2.005
GYB0-0593 CP-67/CMS, CMS LISTINGS, PROGRAM NUMBER 360D-05.2.005
GYB0-0789 CONTROL PROGRAM-67/CAMBRIDGE MONITOR SYSTEM (CP-67/CMX)
VERSION 3.1 (COMPONENT RELEASE 1) 3420 MAGNETIC TAPE
UNITS AND DUAL DENSITY SUPPORT - LISTINGS (MICROFICHE)
PROGRAM NUMBER 360D-05.2.005
**GYB0-0512 HASP MICROFICHE LISTINGS - PROGRAM NUMBER 360D-05.1.014

38 Remote Job Entry

GYB0-0516 CONVERSATIONAL REMOTE BATCH ENTRY (CRBE) VERSION 2:
MOD 8 LISTINGS PROGRAM NUMBER 360D-05.1.016
GH20-0743 IBM SYSTEM/360 DOS POWER II REMOTE JOB ENTRY PROGRAM
APPLICATION DESCRIPTION MANUAL
PROGRAM NUMBER 360D-05.2.006
GH20-0761 POWER II/RJE: PROGRAM DESCRIPTION AND OPERATIONS MANUAL,
PROG. NO. 360D-05-2.006
**GX20-1817 SYSTEM/360/370 DOS POWER II/RJE VERSION 4 REFERENCE
SUMMARY, PROG. NO. 360D-05.2.006
GY20-0576 DOS POWER II/RJE SYSTEM MANUAL, PROG. NO. 360D-05.2.006
GYB0-0527 SYSTEM/360 DOS POWER II, VERSION 2, WITH
REMOTE JOB ENTRY (RJE) - LISTINGS
PROGRAM NUMBER 360D-05.2.006

OTHER SUPPLEMENTARY INFORMATION (85-99)

85 Data Processing - Introductory Manuals and Texts

GC20-1667 INTRODUCTION TO IBM SYSTEM/360 ARCHITECTURE
SC20-1646 A PROGRAMMER'S INTRODUCTION TO
IBM SYSTEM/360 ASSEMBLER LANGUAGE
**GF20-0012 PREPARING BRAILLE USING SYSTEM/360
GC20-1706 COURSEWRITER III (VERSION 2) STUDENT TEXT, PROG. NO.
360A-UX-01X
GC20-1744 COURSEWRITER III, VERSION 3 STUDENT TEXT
PROGRAM NUMBERS 5734-E13, 5736-E11
GC20-1684 AN INTRODUCTION TO IBM DATA PROCESSING SYSTEMS
GC20-1699 A DATA PROCESSING GLOSSARY
GC20-1649 INTRODUCTION TO IBM SYSTEM/360 DIRECT ACCESS STORAGE DEVICES
AND ORGANIZATION METHODS
SC20-8092 SYSTEM/360 DOS OPERATION TRAINING MANUAL: STUDENT TEXT,
COURSE CODE A3650
**GB21-9949 CUSTOMER FDP/IUP POCKET INFORMATION BROCHURE
G320-1621 IBM MARKETING PUBLICATIONS KWIC INDEX
**G310-0012 IBM WORLD TRADE MARKETING PUBLICATIONS KWIC INDEX
**GF20-0385 AN INTRODUCTION TO MICROPROGRAMMING
**GY20-0377 INTRODUCTION TO IBM SYSTEM/360 MODEL 65 MULTIPROCESSING
GC20-1618 NUMBER SYSTEMS - STUDENT TEXT
SC20-1651 A GUIDE TO PL/I FOR COMMERCIAL PROGRAMMERS
COURSE CODE P3668
SC20-1689 AN INTRODUCTION TO THE COMPILER-TIME FACILITIES OF PL/I
SC20-1637 A GUIDE TO PL/I FOR FORTRAN USERS
**GF20-0015 INTRODUCTION TO THE LIST PROCESSING FACILITIES OF PL/I
**GF20-0019 TECHNIQUES FOR PROCESSING POINTER LISTS AND LISTS OF
LISTS IN PL/I
SC28-6808 A PL/I PRIMER
**GF20-0020 TECHNIQUES FOR PROCESSING RELOCATABLE LISTS IN PL/I
**GE20-0312 PREFACE TO PL/I PROGRAMMING IN SCIENTIFIC COMPUTING
**GC20-8095 IBM SYSTEM/360 INTRODUCTION TO TELE-PROCESSING STUDENT TEXT
GR20-4260 INTRODUCTION TO VIRTUAL STORAGE IN SYSTEM/370 STUDENT TEXT

87 Education - Course Catalogs

**G320-1244 CUSTOMER EDUCATION COURSE CATALOG
G520-2467 COURSE SELECTION GUIDE - DP EDUCATION FOR MANAGERS

89 Installation Forms and Supplies

GX28-6509 IBM SYSTEM/360 ASSEMBLER CODING FORM
GX28-6506 IBM SYSTEM/360 BASIC ASSEMBLER SHORT CODING FORM
GX28-6507 IBM SYSTEM/360 BASIC ASSEMBLER LONG CODING FORM
GX24-5046 IBM SYSTEM/360 ASSEMBLER CODING FORM, BPS/BOS/TOS/DOS
DTFSR ENTRIES, CARD READ-PUNCH
GX24-5047 IBM SYSTEM/360 ASSEMBLER CODING FORM, BPS/BOS/TOS/DOS
DTFSR ENTRIES, PRINTER AND PRINTER-KEYBOARD
GX24-5048 IBM SYSTEM/360 ASSEMBLER CODING FORM, BOS/DOS DTFSR ENTRIES,
DISK
GX24-5055 IBM SYSTEM/360 ASSEMBLER CODING FORM, TOS/DOS
GX28-1464 COBOL CODING FORM
GX20-8020 FLOWCHARTING TEMPLATE
GX28-7327 FORTRAN CODING FORM
GX20-1761 MATHEMATICAL PROGRAMMING INPUT FORM
SYSTEM/360 - 1130
GX24-3541 MULTIPLEXER CHANNEL WORKSHEET - SYSTEM/360 MODEL 25
CONFIGURATION A AND B
GX24-3407 IBM SYSTEM/360 MODEL 30 MULTIPLEXER CHANNEL WORKSHEET
GX20-1702 PROPORTIONAL RECORD LAYOUT FORM
GX20-1711 IBM SYSTEM/360 RECORD LAYOUT WORKSHEET
GX21-9093 RPG CALCULATION SPECIFICATIONS SHEET
GX21-9092 RPG CONTROL CARD AND FILE DESCRIPTION SPECIFICATIONS FORM
GX21-9129 RPG DEBUGGING TEMPLATE
GX21-9091 RPG EXTENSIONS AND LINE COUNTER SPECIFICATIONS SHEET
GX21-9090 RPG OUTPUT-FORMAT SPECIFICATIONS (FORM)
GX24-3477 IBM 1400 COMPATIBILITY INITIALIZATION DECK SYSTEM/360
MODEL 30 CODING SHEETS 1 AND 2
GX24-3376 IBM 1052 KEY TABS: SYSTEM/360 MODEL 30, 1400 COMPATIBILITY
GX24-3448 IBM 1445 PRINTER SPACING CHART
GX27-2950 2250 DISPLAY LAYOUT SHEET
GX20-1751 IBM 2260 DISPLAY FORMAT
GX24-3406 IBM SYSTEM/360 MODEL 30 IBM 2702 WORKSHEET
GX27-2901 IMAGE PLANNING CHART - 2760 OPTICAL IMAGE UNIT, REGISTRATION
PUNCHING ACME
GX27-2902 IMAGE PLANNING CHART - 2760 OPTICAL IMAGE UNIT REGISTRATION
PUNCHING OXBERRY
**GX27-2903 2760 LAYOUT GUIDE (REGISTRATION PUNCHING-ACME)
**GX27-2904 2760 LAYOUT GUIDE (OXBERRY)
**GX27-2905 IBM 2760 OPTICAL IMAGE LIMIT AUXILIARY SCREEN OVERLAY GUIDE
**GX27-2951 IBM 3270 INFORMATION DISPLAY SYSTEM LAYOUT SHEET

95 EWS (Early Warning System)

NOTE: EWS, published weekly on microfiche, contains information useful in program maintenance and diagnosis. Automatic updating is available through SLSS (order-number subscription only).

S2C0-0051 MICROFICHE - EARLY WARNING
2025 AND LARGER FILE CARD
S2C0-0101 MICROFICHE - EARLY WARNING
OPERATING SYSTEM OS FILE CARD
S2C0-0201 MICROFICHE - EARLY WARNING
PROGRAMMING SYSTEM OTHER THAN OS FILE
S2C0-0301 MICROFICHE EARLY WARNING - PROGRAM PRODUCTS, CSP AND SCP

97 PTF (Program Temporary Fix) Listings

NOTE: PTF Listings are available under SLSS. To order, specify the bill-of-forms number corresponding to the program of interest.

**SBOF-2250 PTF FOR OS/VS2
SBOF-6100 PTF PROGRAM NUMBER 360S-AL-531
SBOF-6103 PTF PROGRAM NUMBER 360S-AS-037
SBOF-6106 PTF PROGRAM NUMBER 360S-CB-524
SBOF-6109 PTF PROGRAM NUMBER 360S-CB-545
SBOF-6110 PTF PROGRAM NUMBER 360S-CI-505
SBOF-6113 PTF PROGRAM NUMBER 360S-CI-535
SBOF-6116 PTF PROGRAM NUMBER 360S-CI-555
SBOF-6119 PTF PROGRAM NUMBER 360S-CO-503
SBOF-6122 PTF PROGRAM NUMBER 360S-CQ-513
SBOF-6125 PTF PROGRAM NUMBER 360S-CQ-519
SBOF-6128 PTF PROGRAM NUMBER 360S-CQ-548
SBOF-6131 PTF PROGRAM NUMBER 360S-DM-508
SBOF-6137 PTF PROGRAM NUMBER 360S-DN-527

SBOF-6140	PTF PROGRAM NUMBER 360S-DN-533
SBOF-6143	PTF PROGRAM NUMBER 360S-DN-539
SBOF-6146	PTF PROGRAM NUMBER 360S-DN-554
SBOF-6149	PTF PROGRAM NUMBER 360S-ED-521
SBOF-6152	PTF PROGRAM NUMBER 360S-FO-500
SBOF-6155	PTF PROGRAM NUMBER 360S-FO-520
SBOF-6158	PTF PROGRAM NUMBER 360S-FO-550
SBOF-6161	PTF PROGRAM NUMBER 360S-IO-523
SBOF-6164	PTF PROGRAM NUMBER 360S-IO-526
SBOF-6167	PTF PROGRAM NUMBER 360S-ID-547
SBOF-6170	PTF PROGRAM NUMBER 360S-LM-501
SBOF-6173	PTF PROGRAM NUMBER 360S-LM-512
SBOF-6176	PTF PROGRAM NUMBER 360S-LM-525
SBOF-6179	PTF PROGRAM NUMBER 360S-LM-532
SBOF-6182	PTF PROGRAM NUMBER 360S-LM-537
SBOF-6185	PTF PROGRAM NUMBER 360S-LM-542
SBOF-6188	PTF PROGRAM NUMBER 360S-LM-546
SBOF-6192	PTF PROGRAM NUMBER 360S-NL-511
SBOF-6195	PTF PROGRAM NUMBER 360S-PL-552
SBOF-6198	PTF PROGRAM NUMBER 360S-PT-516
SBOF-6201	PTF PROGRAM NUMBER 360S-RC-536
SBOF-6204	PTF PROGRAM NUMBER 360S-RC-541
SBOF-6207	PTF PROGRAM NUMBER 360S-RC-543
SBOF-6210	PTF PROGRAM NUMBER 360S-RC-551
SBOF-6213	PTF PROGRAM NUMBER 360S-RG-038
SBOF-6216	PTF PROGRAM NUMBER 360S-SM-023
SBOF-6219	PTF PROGRAM NUMBER 360S-UT-506
SBOF-6222	PTF MODULE GENERATION - OS
SBOF-6225	PTF SERVICE AIDS OS
SBOF-6230	PTF PROGRAM NUMBER 360N-AS-465
SBOF-6232	PTF PROGRAM NUMBER 360N-AS-466
SBOF-6234	PTF PROGRAM NUMBER 360N-CB-452
SBOF-6236	PTF PROGRAM NUMBER 360N-CB-468
SBOF-6238	PTF PROGRAM NUMBER 360N-CB-482
SBOF-6240	PTF PROGRAM NUMBER 360N-CL-453
SBOF-6242	PTF PROGRAM NUMBER 360N-CQ-469
SBOF-6244	PTF PROGRAM NUMBER 360N-CQ-470
SBOF-6248	PTF PROGRAM NUMBER 360N-DN-481
SBOF-6250	PTF PROGRAM NUMBER 360N-EU-484
SBOF-6252	PTF PROGRAM NUMBER 360N-EU-485
SBOF-6254	PTF PROGRAM NUMBER 360N-FO-451
SBOF-6256	PTF PROGRAM NUMBER 360N-FO-479
SBOF-6258	PTF PROGRAM NUMBER 360N-IO-454
SBOF-6260	PTF PROGRAM NUMBER 360N-IO-455
SBOF-6262	PTF PROGRAM NUMBER 360N-IO-456
SBOF-6264	PTF PROGRAM NUMBER 360N-IO-457
SBOF-6266	PTF PROGRAM NUMBER 360N-IO-458
SBOF-6268	PTF PROGRAM NUMBER 360N-IO-476
SBOF-6270	PTF PROGRAM NUMBER 360N-IO-477
SBOF-6272	PTF PROGRAM NUMBER 360N-IO-478
SBOF-6274	PTF PROGRAM NUMBER 360N-PL-464
SBOF-6276	PTF PROGRAM NUMBER 360N-PT-459
SBOF-6278	PTF PROGRAM NUMBER 360N-RG-460
SBOF-6280	PTF PROGRAM NUMBER 360N-SM-400
SBOF-6282	PTF PROGRAM NUMBER 360N-SM-450
SBOF-6284	PTF PROGRAM NUMBER 360N-SM-483
SBOF-6286	PTF PROGRAM NUMBER 360N-SV-473
SBOF-6288	PTF PROGRAM NUMBER 360N-SV-474
SBOF-6290	PTF PROGRAM NUMBER 360N-SV-475
SBOF-6292	PTF PROGRAM NUMBER 360N-SV-486
SBOF-6294	PTF PROGRAM NUMBER 360N-SV-487
SBOF-6296	PTF PROGRAM NUMBER 360N-SV-488
SBOF-6298	PTF PROGRAM NUMBER 360N-UT-461
SBOF-6300	PTF PROGRAM NUMBER 360N-UT-462
SBOF-6302	PTF PROGRAM NUMBER 360N-UT-463
SBOF-6304	PTF PROGRAM NUMBER 360N-UT-471
SBOF-6306	PTF PROGRAM NUMBER 360N-UT-472
SBOF-6308	PTF SERVICE AIDS DOS

99 Type I and SCP Program Listings (microfiche)

NOTE: The following program listings are available for Type I and SCP PROGRAMS. Automatic updating is available through SLSS (order-number subscription only).

TYPE I

**GJD1-0001	SYSTEM/370 MODELS 158/168 SYSGEN ICR OS RELEASE 21.6 PROGRAM NO. 360S-OS-609
**GJD1-0010	IBM 3735 MACROS AND UTILITY PROGRAMS - MICROFICHE LISTING PROGRAM NUMBER 360S-CQ-563
GJD1-0015	3830 4-CHANNEL SWITCH SUPPORT (CALTROP) ICR - PROGRAM NUMBER 360-OS-587

GJD1-1010 SYSTEM/360 OS PRIMARY CONTROL PROGRAMS - MICROFICHE LISTING
PROGRAM NUMBERS 360S-CI-505/535/555/566

GJD1-1011 OPERATING SYSTEM/360 TIME SHARING OPTION PROGRAM LISTING
(TSO) PROGRAM NUMBER 360S-CI-555

GJD1-1012 SYSTEM/360 OS MVT

GJD1-1013 SYSTEM/360 OS DATA MANAGEMENT
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-DM-508

GJD1-1014 SYSTEM/360 OS BASIC DIRECT ACCESS METHOD
MICROFICHE LISTING - PROGRAM NUMBER 360S-DM-509

GJD1-1015 SYSTEM/360 OS REMOTE JOB ENTRY
MICROFICHE LISTING - PROGRAM NUMBER 360S-RC-536

GJD1-1016 SYSTEM/360 OS BTAM
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-CQ-513

GJD1-1017 SYSTEM/360 OS QTAM
MICROFICHE LISTING - PROGRAM NUMBER 360S-CQ-519

GJD1-1018 SYSTEM/360 OS OLTEP
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-DN-533

GJD1-1019 OPERATING SYSTEM/360 CONVERSATIONAL REMOTE JOB ENTRY
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-RC-551

GJD1-1020 SYSTEM/360 OS ISAM
MICROFICHE LISTINGS - PROG. NO. 360S-IO-526

GJD1-1021 SYSTEM/360 OS UTILITIES
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-UT-506

GJD1-1022 OPERATING SYSTEM/360 INDEPENDENT UTILITIES
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-UT-507

GJD1-1023 OPERATING SYSTEM/360 TELEPROCESSING
COMMUNICATIONS ACCESS METHOD (TCAM)
PROGRAM LISTING - PROGRAM NUMBER 360S-CQ-548

GJD1-1025 SYSTEM/360 OS ALGOL COMPILER-F
MICROFICHE LISTING - PROGRAM NUMBER 360S-AL-531

GJD1-1026 SYSTEM/360 OS ALGOL LIBRARY
MICROFICHE LISTING - PROGRAM NUMBER 360S-LM-532

GJD1-1030 MICROFICHE - SOURCE LISTING
SYSTEM/360-OS ASSEMBLER E 360S-AS-036

GJD1-1035 MICROFICHE - SOURCE LISTING
SYSTEM/360-OS ASSEMBLER F 360S-AS-037

GJD1-1040 SYSTEM/360 OS COBOL COMPILER-E
MICROFICHE LISTING - PROGRAM NUMBER 360S-CO-503

GJD1-1042 SYSTEM/360 OS ANS COBOL
MICROFICHE LISTING - PROGRAM NUMBER 360S-CB-545

GJD1-1043 SYSTEM/360 OS ANS COBOL LIBRARY
MICROFICHE LISTING - PROGRAM NUMBER 360S-LM-546

GJD1-1044 SYSTEM/360 OS COBOL F LIBRARY
MICROFICHE LISTING - PROGRAM NUMBER 360S-LM-525

GJD1-1045 SYSTEM/360 OS COBOL COMPILER-F
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-CB-524

GJD1-1048 SYSTEM/360 OS COBOL LIBRARY
MICROFICHE LISTING - PROGRAM NUMBER 360S-LM-504

GJD1-1050 MICROFICHE - SOURCE LISTING
SYSTEM/360-OS FORTRAN E IV 360S-FO-092

GJD1-1052 SYSTEM/360 OS FORTRAN G IV
MICROFICHE LISTING - PROGRAM NUMBER 360S-FO-520

GJD1-1054 OPERATING SYSTEM/360 FORTRAN SYNTAX CHECKER
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-FO-550

GJD1-1055 SYSTEM/360 OS FORTRAN H IV
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-FO-500

GJD1-1058 SYSTEM/360 OS FORTRAN LIBRARY IV
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-LM-501

GJD1-1060 SYSTEM/360 OS PL/1 COMPILER F
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-NL-511

GJD1-1062 SYSTEM/360 OS SERVICE AIDS
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-DN-554

GJD1-1065 OPERATING SYSTEM/360 PL/I SYNTAX CHECKER
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-PL-552

GJD1-1068 SYSTEM/360 OS PL/1 LIBRARY F
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-LM-512

GJD1-1070 MICROFICHE - SOURCE LISTING
SYSTEM/360-OS LINKAGE EDITOR E 360S-ED-510

GJD1-1072 SYSTEM/360 OS LINKAGE EDITOR LOADER
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-LD-547

GJD1-1075 SYSTEM/360 OS LINKAGE EDITOR F
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-ED-521

GJD1-1076 SYSTEM/360 OS SER0, SER1
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-DN-527

GJD1-1077 SYSTEM/360 OS RECOVERY MANAGEMENT
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-DN-539

GJD1-1080 SYSTEM/360 OS SORT MERGE
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-SM-023

GJD1-1085 SYSTEM/360 OS TESTRAN
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-PT-516

GJD1-1090 SYSTEM/360 OS GRAPHIC PROGRAMMING SERVICES
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-IO-523

GJD1-1091 SYSTEM/360 OS GRAPHIC SUB-ROUTINE PROGRAM
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-LM-537

GJD1-1092 SYSTEM/360 OS SATELLITE GRAPHIC JOB PROCESS
MICROFICHE LISTING - PROGRAM NUMBER 360S-RC-543

GJD1-1093 SYSTEM/360 OS GRAPHIC JOB PROCESS
MICROFICHE LISTING - PROGRAM NUMBER 360S-RC-541

GJD1-1094 MICROFICHE - SOURCE LISTING
SYSTEM/360-OS 1130/360 DATA TRANSMISSION 360S-LM-542

GJD1-1095 SYSTEM/360 OS REPORT PROGRAM GENERATOR
PROGRAM NUMBER 360S-RG-038

GJD1-1096 MICROFICHE FOR OPERATING SYSTEM RELEASE 20.7 PROGRAMS:
360S-CI-505 360S-CI-535 360S-CI-555 360S-CQ-548
360S-DM-508 360S-DM-509 360S-DN-527 360S-DN-533
360S-DN-554 360S-ED-521 360S-IO-526 360S-LD-547
360S-LM-512 360S-NL-511 360S-UT-506 360S-UT-507

GJD1-1097 SYSTEM/360 OPERATING SYSTEM RELEASE SUPPORT DOCUMENTATION
(MICROFICHE)

GJD1-1098 SYSTEM/360 OPERATING SYSTEM RELEASE SUPPORT DOCUMENTATION
(MICROFICHE)

GJD1-1100 MICROFICHE - SOURCE LISTING
ATTACHED SUPPORT PROCESSOR (ASP) PROGRAM NUMBER 360A-CX-15X

GJD1-1310 MICROFICHE - SOURCE LISTING
SYSTEM/360 SIMULATOR 1410/7010 360C-SI-754

GJD1-1370 MICROFICHE - SOURCE LISTING
SYSTEM/360 SIMULATOR 7070/7074 360C-SI-753

GJD1-1380 MICROFICHE - SOURCE LISTING
SYSTEM/360 SIMULATOR 7080 360C-SI-551

GJD1-1390 MICROFICHE - SOURCE LISTING
SYSTEM/360 SIMULATOR 7090/7094 360C-SI-750

GJD1-1400 MICROFICHE - SOURCE LISTING
SYSTEM/360 EMULATOR (MODEL 40) 1401/1410 360C-EU-074

GJD1-1410 MICROFICHE - SOURCE LISTING
SYSTEM/360 EMULATOR (MODEL 40) 360C-EU-728

GJD1-1420 IBM 7094 EMULATOR FOR THE SYSTEM/360 MODEL 85 UNDER OS/360
MICROFICHE LISTINGS - PROGRAM NUMBER 360C-EU-734

GJD1-1480 IBM OPERATING SYSTEM/360 DOS EMULATOR PROGRAM FOR
SYSTEM/370 MODELS 145 AND 155 - PROGRAM NUMBER 360C-EU-738

GJD1-1500 MICROFICHE - SOURCE LISTING
SYSTEM/360 EMULATOR (MODEL 50) 1410/7010 360C-EU-726

GJD1-1510 MICROFICHE - SOURCE LISTING
SYSTEM/360 EMULATOR (MODELS 50 AND 65) 7070/7074 360C-EU-725

GJD1-1600 MICROFICHE - SOURCE LISTING
SYSTEM/360 EMULATOR (MODEL 65) 7040/7044 360C-EU-733

GJD1-1620 MICROFICHE - SOURCE LISTING
SYSTEM/360 EMULATOR (MODEL 65) 7080 360C-EU-727

GJD1-1630 MICROFICHE - SOURCE LISTING
SYSTEM/360 EMULATOR (MODEL 65) 7090/7094 360C-EU-729

GJD1-1640 OPERATING SYSTEM 370/165 OS-7094 INTEGRATED EMULATOR
MICROFICHE LISTINGS - PROGRAM NUMBER 360C-EU-740

GJD1-1641 SYSTEM/360 OPERATING SYSTEM EMULATOR FOR 7074
ON 370/165 UNDER OPERATING SYSTEM
PROGRAM LISTING MICROFICHE - PROGRAM NUMBER 360C-EU-739

GJD1-1642 7080 EMULATOR FOR SYSTEM/370 MODEL 165 UNDER OPERATING
SYSTEM/360 - MICROFICHE LISTING - PROGRAM NUMBER 360C-EU-737

GJD1-1643 EMULATOR FOR 7074 ON S/370 MODEL 155 UNDER OS
MICROFICHE - PROGRAM NUMBER 360C-EU-741

GJD1-1700 MICROFICHE - SOURCE LISTING
SYSTEM/360 MODEL 44 BASIC PROGRAMMING SUPPORT (BPS)
360F-UT-601

GJD1-1720 MICROFICHE - SOURCE LISTING
SYSTEM/360 MODEL 44 BASIC PROGRAMMING SUPPORT 360F-IO-613

GJD1-1740 MICROFICHE - SOURCE LISTING
SYSTEM/360 MODEL 44 1620 SIMULATOR FOR 1620 360C-SI-755

GJD1-2000 MICROFICHE - SOURCE LISTING
SYSTEM/360 BASIC PROGRAMMING SUPPORT (BPS)
PROGRAM NUMBERS BEGINNING WITH 360P

GJD1-2010 MICROFICHE - SOURCE LISTING
SYSTEM/360-BOS BASIC OPERATING SYSTEM (COMPLETE)

GJD1-2012 MICROFICHE - SOURCE LISTING
SYSTEM/360 BOS MACRO LISTINGS, PROGRAM NUMBERS 360E-CL-302,
360B-IO-303, 360B-IO-304, 360B-IO-305
360B-SU-023

GJD1-2020 MICROFICHE - SOURCE LISTING
SYSTEM/360-TOS CONTROL PROGRAM (COMPLETE)

GJD1-2032 SYSTEM/360 DISK OPERATING SYSTEM (360N) MACRO LISTINGS

GJD1-2035 SYSTEM/360 DISK OPERATING SYSTEM
SORT/MERGE - TAPE
MICROFICHE LISTINGS - PROGRAM NUMBER 360N-SM-400

GJD1-2036 SYSTEM/360 DISK OPERATING SYSTEM
SORT/MERGE - DISK
MICROFICHE LISTINGS - PROGRAM NUMBER 360N-SM-450

GJD1-2037 SYSTEM/360 DISK OPERATING SYSTEM
BASIC FORTRAN IV
MICROFICHE LISTING - PROGRAM NUMBER 360N-FO-451

GJD1-2038 SYSTEM/360 DISK OPERATING SYSTEM
COBOL - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-CB-452

GJD1-2039 SYSTEM/360 DISK OPERATING SYSTEM
SYSTEM CONTROL/IOCS
MICROFICHE LISTINGS - PROGRAM NUMBER 360N-CL-453

GJD1-2040 SYSTEM/360 DISK OPERATING SYSTEM
ISFMS - MICROFICHE LISTING - PROGRAM NUMBERS 360N-IO-457,
360N-IO-477, 360N-IO-478

GJD1-2042 MICROFICHE - SOURCE LISTING
SYSTEM/360-DOS AUTOTEST 360N-PT-459

GJD1-2043 SYSTEM/360 DISK OPERATING SYSTEM
RPG/DISK - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-RG-460

GJD1-2044 SYSTEM/360 DISK OPERATING SYSTEM
UTILITY GROUP 1 - MICROFICHE LISTING - PROGRAM 360N-UT-461

GJD1-2045 SYSTEM/360 DISK OPERATING SYSTEM
UTILITY GROUP 2
MICROFICHE LISTINGS - PROGRAM NUMBER 360N-UT-462

GJD1-2046 SYSTEM/360 DISK OPERATING SYSTEM
UTILITY GROUP 3
MICROFICHE LISTINGS - PROGRAM NUMBER 360N-UT-463

GJD1-2047 SYSTEM/360 DISK OPERATING SYSTEM
PL/I - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-PL-464

GJD1-2048 SYSTEM/360 DISK OPERATING SYSTEM
ASSEMBLER - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-AS-465

GJD1-2049 SYSTEM/360 DISK OPERATING SYSTEM
ASSEMBLER F - MICROFICHE LISTINGS - PROGRAM 360N-AS-466

GJD1-2050 SYSTEM/360 DISK OPERATING SYSTEM
BTAM - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-CQ-479

GJD1-2052 SYSTEM/360 DISK OPERATING SYSTEM
QTAM - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-CQ-470

GJD1-2053 SYSTEM/360 DISK OPERATING SYSTEM
MPS UTILITY MACROS
MICROFICHE LISTINGS - PROGRAM NUMBER 360N-UT-471

GJD1-2054 S/360 DISK OPERATING SYSTEM
VOCABULARY FILE UTILITY PROGRAM - MICROFICHE LISTINGS
PROGRAM NUMBER 360N-UT-472

GJD1-2055 SYSTEM/360 DISK OPERATING SYSTEM
COMPILER I/O MODULES
MICROFICHE LISTINGS - PROGRAM NUMBER 360N-IO-476

GJD1-2056 SYSTEM/360 DISK OPERATING SYSTEM
FORTRAN IV MICROFICHE LISTING - PROGRAMS 360N-FO-479, LM-480

GJD1-2057 SYSTEM/360 DISK OPERATING SYSTEM RELEASE 26 OLTEP
PROGRAM NUMBER 360N-DN-481

GJD1-2058 SYSTEM/360 DISK OPERATING SYSTEM
SORT/MERGE DISK/TAPE
MICROFICHE LISTINGS - PROGRAM NUMBER 360N-SM-483

GJD1-2059 SYSTEM/360 DISK OPERATING SYSTEM - MICROFICHE LISTINGS -
CE SERVICEABILITY PROGRAM
OLTEP - PROGRAM NUMBER 360N-DN-481

GJD1-2060 SYSTEM/360 DISK OPERATING SYSTEM
ANS COBOL - MICROFICHE LISTING - PROGRAM NUMBER 360N-CB-482

GJD1-2063 DISK OPERATING SYTEM MODEL 155 EMULATOR
MICROFICHE LISTINGS - PROGRAM NUMBER 360N-EU-490

GJD1-2100 EMULATOR FOR 1401/1440/1460 ON THE SYSTEM/370 MODEL 155
UNDER OS, MICROFICHE LISTING - PROGRAM NUMBER 360C-EU-735

GJD1-2150 EMULATOR FOR THE IBM 1401/1440/1460 ON THE SYSTEM/370
MODEL 155 UNDER OS PROGRAM NUMBER 360C-EU-735
MICROFICHE LISTINGS

GJD1-4610 MICROFICHE - SOURCE LISTING
SYSTEM/360 FORTRAN IV TO PL/I LANGUAGE CONVERSION PROGRAM
360C-CV-710

GJD1-4620 MICROFICHE - SOURCE LISTING
SYSTEM/360 COBOL TO PL/I LANGUAGE CONVERSION PROGRAM
360C-CV-712

GJD1-9000 MICROFICHE - SOURCE LISTING
SYSTEM/360 USA STANDARD COBOL LANGUAGE CONVERSION PROGRAM
360C-CV-713

GJD1-9030 MICROFICHE - SOURCE LISTING
SYSTEM/360-TSS (CONTROLLED RELEASE I) 360G-CL-627

**GJD2-4001 DOS/360 BTAM MICROFICHE LISTING - PROGRAM NUMBER 360N-CQ-469

**GJD2-4100 IBM 3705 SYSTEM SUPPORT PACKAGE FOR OS - MICROFICHE LISTING
PROG. NO. 360H-TX-035

**GJD2-4101 IBM 3705 SYSTEM SUPPORT PACKAGE FOR DOS - MICROFICHE
LISTING - PROGRAM NUMBER 360H-TX-036

**GJD2-4102 3705 EMULATOR UNDER OS - MICROFICHE LISTING - PROGRAM NUMBER
360H-TX-033

**GJD2-4105 IBM 3705 NETWORK CONTROL PROGRAM

GYB0-0508 IBM SYSTEM/360/370 ATTACHED SUPPORT PROCESSOR (ASP)
VERSION 2 MICROFICHE, PROGRAM NUMBER 360A-CX-15X

GYB0-0538 CALL-OS VERSION 2 EXECUTIVE & UTILITY LISTINGS
PROGRAM NUMBER 360A-CX-42X

GYB0-0540 CALL/360-OS (VERSION 1) BASIC ASSEMBLY LISTINGS
PROGRAM NO. 360A-CX-44X (FE #030440)

GYB0-0541 CALL/360-OS (VERSION 1) FORTRAN ASSEMBLY LISTINGS
 PROG. NO. 360A-CX-46X (FE #030460)
 GYB0-0542 CALL/360-OS (VERSION 1) PL/I ASSEMBLY LISTINGS
 PROGRAM NO. 360A-CX-45X (FE #030450)
 **GYB0-0854 IBM S/360, 370 ASYMMETRIC MULTIPROCESSING SYSTEM
 (ASP VERSION 3): LISTINGS MICROFICHE
 PROGRAM NUMBER 360A-CX-15X

○ TYPE I DOS for System/370 Only

**GJD1-4601 MODEL 20 EMULATOR ON S/370 USING DOS (V4) - PROGRAM NUMBER
 370N-IC-002
 **GJD2-4002 370 DOS BTAM, MICROFICHE LISTING, PROG. NO. 370N-CQ-469
 GYC7-1900 S/370 DISK OPERATING SYSTEM ASSEMBLER D ASSEMBLY LISTINGS
 PROGRAM NUMBER 370N-AS-465
 GYC7-1901 SYSTEM/370 DISK OPERATING SYSTEM MICROFICHE ASSEMBLY
 LISTINGS - SYSTEM CONTROL/BASIC IOCS - PROGRAM
 NUMBER 370N-CL-453
 GYC7-1902 DOS 27.1 DIRECT ACCESS METHOD, ASSEMBLY LISTINGS,
 PROG. NO. 370N-IO-454
 GYC7-1903 DOS 27 SEQUENTIAL DISK IOCS MICROFICHE LISTINGS - PROGRAM
 NUMBER 370N-IO-455
 GYC7-1904 DOS 27 MAGNETIC TAPE IOCS MICROFICHE LISTINGS - PROGRAM
 NUMBER 370N-IO-456
 GYC7-1905 DOS 27 ISFMS MICROFICHE LISTING - PROGRAM NUMBER 370N-IO-457
 GYC7-1906 DOS-27 PAPER TAPE IOCS - MICROFICHE LISTINGS
 PROGRAM NUMBER 360N-IO-458
 GYC7-1907 DOS 27 SYSTEM UTILITY PROGRAMS, 370N-UT-491 MICROFICHE
 LISTING
 GYC7-1908 S/370 DISK OPERATING SYSTEM ENVIRONMENTAL RECORDING AND
 EDITING PROGRAM 370N-UT-492
 GYC7-1909 S/370 DISK OPERATING SYSTEM BASIC TELECOMMUNICATIONS ACCESS
 METHOD ASSEMBLY LISTINGS, PROGRAM NUMBER 370N-CQ-469
 GYC7-1910 S/370 DISK OPERATING SYSTEM QUEUED TELECOMMUNICATIONS ACCESS
 METHOD ASSEMBLY LISTINGS, PROGRAM NUMBER 370N-CQ-470
 GYC7-1911 SYSTEM/370 DISK OPERATING SYSTEM MICROFICHE ASSEMBLY
 LISTINGS 3735 TERMINAL SUPPORT - PROGRAM NUMBER 370N-CQ-493
 GYC7-1912 SYSTEM/370 DISK OPERATING SYSTEM MICROFICHE ASSEMBLY
 LISTINGS OLTEP - PROGRAM NUMBER 370N-DN-481
 GYC7-1913 S/370 DISK OPERATING SYSTEM SYSTEM/370 EMULATOR ASSEMBLY
 LISTINGS - PROGRAM NUMBER 370N-EU-490
 GYC7-1914 SYSTEM/370 DISK OPERATING SYSTEM MICROFICHE ASSEMBLY
 LISTINGS COMPILER I/O MODULES - PROGRAM NUMBER 370N-IO-476
 GYC7-1915 S/370 DISK OPERATING SYSTEM MAGNETIC CHARACTER READER IOCS
 370N-IO-477
 GYC7-1916 S/370 DISK OPERATING SYSTEM OPTICAL CHARACTER READER IOCS
 ASSEMBLY LISTINGS - PROGRAM NUMBER 370N-IO-478
 GYC7-1917 SYSTEM/370 DISK OPERATING SYSTEM MICROFICHE ASSEMBLY
 LISTINGS MICROFICHE INDEX
 GYC7-1918 DOS 27 ASSEMBLER F - MICROFICHE LISTING
 PROGRAM NUMBER 360N-AS-466
 GYC7-1919 DOS 27 COBOL D - MICROFICHE LISTING
 PROGRAM NUMBER 360N-CB-452
 GYC7-1920 DOS 27 ANS COBOL - MICROFICHE LISTING
 PROGRAM NUMBER 360N-CB-482
 GYC7-1921 S/370 DISK OPERATING SYSTEM LANGUAGE CONVERSION PROGRAM
 ASSEMBLY LISTINGS, PROGRAM NUMBER 360N-CV-489
 GYC7-1922 S/370 DISK OPERATING SYSTEM FORTRAN IV
 ASSEMBLY LISTINGS - PROGRAM NO. 360N-FO-479
 GYC7-1923 DOS 27 FORTRAN LIBRARY SUB PROGRAM MICROFICHE LISTINGS
 PROGRAM NUMBER 360N-LM-480
 GYC7-1924 S/370 DISK OPERATING SYSTEM PL/I ASSEMBLY LISTINGS, PROGRAM
 NUMBER 360N-PL-464
 GYC7-1925 DOS 27 DISK SORT/MERGE-MICROFICHE LISTINGS - PROGRAM
 NUMBER 360N-SM-450
 GYC7-1926 S/370 DISK OPERATING SYSTEM MODULAR SORT/MERGE ASSEMBLY
 LISTINGS PROGRAM NUMBER 360N-SM-483
 GYC7-1927 DOS 27 UTILITIES GROUP I - MICROFICHE LISTINGS - PROGRAM
 NUMBER 360N-UT-461
 GYC7-1928 S/370 DISK OPERATING SYSTEM GROUP 2 UTILITIES TAPE
 360N-UT-462

○ SCP (System Control Programming)

**SJD2-0001 MICROFICHE FOR OS/V52 RELEASE 1.6 REFERENCE LISTINGS
 SJD2-0010 OS/V52 SMF (5742-SC1-02)
 SJD2-0020 OS/V52 IEHINIT (5742-SC1-UD)
 SJD2-0030 OS/V52 IEHSTATR (5742-SC1-UE)
 SJD2-0040 OS/V52 TAPE ERP/VES (5742-SC1-CC)
 SJD2-0050 OS/V52 IEBEDIT (5742-SC1-U9)
 SJD2-0060 OS/V52 IEHLIST (5742-SC1-U2)
 SJD2-0070 OS/V52 IEHPRGM (5742-SC1-U3)

SJD2-0080 OS/VS2 CATALOG (5742-SC1-D3)
 SJD2-0090 OS/VS2 SMF SCHEDULER (5742-SC1-00)
 SJD2-0100 OS/VS2 TSO TRACE (5742-SC1-T9)
 SJD2-0110 OS/VS2 PASSWORD PROTECT (5742-SC1-DC)
 SJD2-0120 OS/VS2 TSO UTILITIES (5742-SC1-T2)
 SJD2-0130 OS/VS2 TSO TEST (5742-SC1-T1)
 SJD2-0140 OS/VS2 EXT/PREC/FLT PT SIM (5742-SC1-CP)
 SJD2-0160 OS/VS2 IEHMOVE (5742-SC1-UC)
 SJD2-0170 OS/VS2 IEBCOPY (5742-SC1-U6)
 SJD2-0180 OS/VS2 IEBGENER (5742-SC1-U7)
 SJD2-0190 OS/VS2 IEBUPDTE (5742-SC1-U8)
 SJD2-0200 OS/VS2 IEBTPCH (5742-SC1-UA)
 SJD2-0210 OS/VS2 IEBCOMPR (5742-SC1-UK)
 SJD2-0220 OS/VS2 IEBISAM (5742-SC1-UH)
 SJD2-0230 OS/VS2 IEBDG (5742-SC1-UJ)
 SJD2-0240 OS/VS2 TSO EDIT (5742-SC1-T0)
 SJD2-0250 OS/VS2 IPL (5742-SC1-C1)
 SJD2-0260 OS/VS2 SUPERVISOR (5742-SC1-C5)
 SJD2-0270 OS/VS2 RMS (5742-SC1-CE)
 SJD2-0280 OS/VS2 GSP (5742-SC1-07)
 SJD2-0290 OS/VS2 GAM (5742-SC1-G0)
 SJD2-0300 OS/VS2 DIDOCS (5742-SC1-C4)
 SJD2-0310 OS/VS2 DSS (5742-SC1-10)
 SJD2-0320 OS/VS2 TSO SUPERVISOR (5742-SC1-T7)
 SJD2-0330 OS/VS2 SYSTEM RESTART (5742-SC1-B3)
 SJD2-0350 OS/VS2 ALLOCATION (5742-SC1-B4)
 SJD2-0360 OS/VS2 Q MANAGER (5742-SC1-B5)
 SJD2-0370 OS/VS2 INITIATOR (5742-SC1-B6)
 SJD2-0380 OS/VS2 TERMINATION (5742-SC1-B7)
 SJD2-0390 OS/VS2 COMMANDS (5742-SC1-B8)
 SJD2-0400 OS/VS2 READER/INTERPRETER (5742-SC1-B9)
 SJD2-0410 OS/VS2 TSO SCHEDULER (5742-SC1-T4)
 SJD2-0420 OS/VS2 OBR/SDR/EREP (5742-SC1-CD)
 SJD2-0430 OS/VS2 GTF (5742-SC1-11)
 SJD2-0440 OS/VS2 AMASPZAP (5742-SC1-12)
 SJD2-0450 OS/VS2 AMDPRDMP (5742-SC1-13)
 SJD2-0460 OS/VS2 AMDSADMP (5742-SC1-15)
 SJD2-0470 OS/VS2 AMAPTFILE (5742-SC1-16)
 SJD2-0480 OS/VS2 AMDPRDMP/EDIT (5742-SC1-18)
 SJD2-0490 OS/VS2 3735 MACROS/UTILITY (5742-SC1-22)
 SJD2-0530 OS/VS2 EXTENDED SVC ROUTER (5742-SC1-CF)
 SJD2-0540 OS/VS2 MAPPING MACROS (5742-SC1-01)
 SJD2-0550 OS/VS2 OLTEP (5742-SC1-06)
 SJD2-0560 OS/VS2 BTAM (5742-SC1-20)
 SJD2-0570 OS/VS2 TCAM (5742-SC1-21)
 SJD2-0580 OS/VS2 IEBTCRIN (5742-SC1-UG)
 SJD2-0590 OS/VS2 3505/3525 (5742-SC1-DD)
 SJD2-0600 OS/VS2 OCR (5742-SC1-D5)
 SJD2-0640 OS/VS2 OVERLAY SUPERVISOR (5742-SC1-C2)
 SJD2-0650 OS/VS2 FETCH (5742-SC1-C7)
 SJD2-0660 OS/VS2 SAM (5742-SC1-D0)
 SJD2-0670 OS/VS2 PAM (5742-SC1-D2)
 SJD2-0680 OS/VS2 MICR (5742-SC1-D6)
 SJD2-0690 OS/VS2 DAM (5742-SC1-D7)
 SJD2-0700 OS/VS2 IOS (5742-SC1-C3)
 SJD2-0710 OS/VS2 DASD ERP (5742-SC1-CA)
 SJD2-0720 OS/VS2 UNIT RECORD ERP (5742-SC1-CB)
 SJD2-0730 OS/VS2 TSO SUBRTN TCAM (5742-SC1-T8)
 SJD2-0740 OS/VS2 TSO DATA MANAGEMENT (5742-SC1-T3)
 SJD2-0750 OS/VS2 IBCDMPRS (5742-SC1-I0)
 SJD2-0760 OS/VS2 IBCDASDI (5742-SC1-I1)
 SJD2-0770 OS/VS2 IEHDASDR (5742-SC1-U0)
 SJD2-0780 OS/VS2 IEHATLAS (5742-SC1-UF)
 SJD2-0790 OS/VS2 SYSOUT WRITER (5742-SC1-B2)
 SJD2-0800 OS/VS2 ICAPRTBL (5742-SC1-I2)
 SJD2-0810 OS/VS2 ISAM (5742-SC1-D8)
 SJD2-0820 OS/VS2 CHECKPOINT/RESTART (5742-SC1-09)
 SJD2-0830 OS/VS2 OPEN/CLOSE/EOV (5742-SC1-D1)
 SJD2-0840 OS/VS2 DADSM (5742-SC1-D4)
 SJD2-0850 OS/VS2 LINK LOADGO PROMPTER (5742-SC1-T5)
 SJD2-0860 OS/VS2 LINKAGE EDITOR (5742-SC1-04)
 SJD2-0870 OS/VS2 LOADER (5742-SC1-05)
 SJD2-0880 OS/VS2 AMBLIST (5742-SC1-14)
 SJD2-0890 OS/VS2 ASSEMBLER XF (5742-SC1-03)
 **SJD2-1220 OS VS2 VTAM REL 1.6 - PROG. NO. 5742-SC1-DE
 SJD2-2000 IPL OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-C1
 SJD2-2001 IOS/OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-C3
 SJD2-2002 SUPERVISOR OS/VS1 MICROFICHE LISTING - COMPONENT
 NUMBER 5741-SC1-C5
 **SJD2-2003 MAPPING MACROS OS/VS1 RELEASE 2 - PROGRAM NUMBER
 5741-SC1-01
 **SJD2-2004 MODULE/MACRO TOTAL SYSTEM INDEX OS/VS1 RELEASE 2

SJD2-2009 SCHEDULER SMF OS/VS1 MICROFICHE LISTING - COMPONENT
 NUMBER 5741-SC1-00
 SJD2-2010 UNIT RCD ERP OS/VS1 MICROFICHE LISTING - COMPONENT
 NUMBER 5741-SC1-CB
 SJD2-2014 JECS OS/VS1 MICROFICHE LISTING - COMPONENT
 NUMBER 5741-SC1-B0
 SJD2-2015 I/P STREAM CTL OS/VS1 MICROFICHE LISTING - COMPONENT
 NUMBER 5741-SC1-B1
 SJD2-2016 O/P STREAM CTL OS/VS1 MICROFICHE LISTING - PROGRAM
 NUMBER 5741-SC1-B2
 SJD2-2017 SYSTEM RESTART OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-B3
 SJD2-2018 ALLOCATION OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-B4
 SJD2-2019 Q MANAGER OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-B5
 SJD2-2020 INITIATOR OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-B6
 SJD2-2021 TERMINATION OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-B7
 SJD2-2022 COMMANDS OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-B8
 SJD2-2023 INTERPRETER OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-B9
 SJD2-2024 OS/VS1 RESTART RDR/DSDR PROCESSING (5741-SC1-BD)
 SJD2-2025 SYSTEM LOG OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-BE
 SJD2-2026 WTP OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-BF
 SJD2-2027 MSI OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-BG
 SJD2-2028 IMCJOBQD OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-17
 SJD2-2030 DIDOCS OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-C4
 SJD2-2031 GAM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-G0
 SJD2-2032 GSP OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-07
 SJD2-2033 RMS OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-CE
 SJD2-2034 OS/VS1 ASSEMBLER XF (5741-SC1-03)
 SJD2-2038 OBR/EREP/RDE OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-CD
 SJD2-2041 GTF OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-11
 SJD2-2042 HMASPZAP OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-12
 SJD2-2043 HMDPRDMP OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-13
 SJD2-2044 HMDSADMP OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-15
 SJD2-2045 HMAPTLE OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-16
 SJD2-2046 OLTEP OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-06
 SJD2-2047 EXTENDED SVC ROUTER OS/VS1 MICROFICHE LISTING - COMPONENT
 NUMBER 5741-SC1-CF
 SJD2-2048 IEHLIST MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-U2
 SJD2-2049 BTAM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-20
 SJD2-2050 OS/VS1 TCAM LEVEL 2 (5744-AW1)
 SJD2-2051 OCR OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-D5
 SJD2-2053 IEBTCRIN OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-UG
 SJD2-2054 CHECKPOINT RESTART OS/VS1 MICROFICHE LISTING - COMPONENT
 NUMBER 5741-SC1-09
 SJD2-2055 FETCH OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-C7
 SJD2-2056 OVERLAY SUPERVISOR MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-C2
 SJD2-2057 SAM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-D0
 SJD2-2058 OPEN/CLOSE/EOV OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-D1
 SJD2-2059 PAM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-D2
 SJD2-2060 DADSM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-D4
 SJD2-2061 MICR OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-D6
 SJD2-2062 DAM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-D7
 SJD2-2063 ISAM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-D8
 SJD2-2064 JAM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-D9
 SJD2-2067 DASD ERP OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-CA
 SJD2-2068 OS/VS1 LINKAGE EDITOR MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-04
 SJD2-2069 LOADER OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-05

SJD2-2074 OS/VS1 JES COMPATIBILITY INTERFACE (5741-SC1-DB)
 SJD2-2076 HMBLIST OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-14
 SJD2-2077 IBCDMPRS OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-10
 SJD2-2078 IBCDASDI MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-I1
 SJD2-2079 ICAPRTBL MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-I2
 SJD2-2080 IEHDASDR OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-U0
 SJD2-2081 IEHIOSUP OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-U1
 SJD2-2082 IEHATLAS OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-UF
 SJD2-2084 CRJE OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-0A
 SJD2-2085 IEBCOPY OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-U6
 SJD2-2086 OS/VS1 IEBGENER (5741-SC1-U7)
 SJD2-2087 IEBUPDTE OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-U8
 SJD2-2088 IEBTPCH OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-UA
 SJD2-2089 OS/VS1 IEBCOMPR (5741-SC1-UK)
 SJD2-2090 IEBISAM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
 5741-SC1-UH
 SJD2-2091 IEBDG OS/VS1 MICROFICHE LISTING
 COMPONENT NUMBER 5741-SC1-UJ
 SJD2-2092 IEHMOVE OS/VS1 MICROFICHE LISTING
 COMPONENT NUMBER - 5741-SC1-UC
 SJD2-2094 SMF OS/VS1 MICROFICHE LISTING
 COMPONENT NUMBER - 5741-SC1-02
 SJD2-2096 OS/VS1 IEHPROGM (5741-SC1-U3)
 SJD2-2097 OS/VS1 IEHINITT (5741-SC1-UD)
 SJD2-2098 OS/VS1 IEHSTATR (5741-SC1-UE)
 SJD2-2099 CATALOG OS/VS1 MICROFICHE LISTING
 COMPONENT NUMBER - 5741-SC1-D3
 SJD2-2100 PASSWORD PROTECT OS/VS1 MICROFICHE LISTING
 COMPONENT NUMBER - 5741-SC1-DC
 SJD2-2101 TAPE ERP/VES OS/VS1 MICROFICHE LISTING
 COMPONENT NUMBER - 5741-SC1-CC
 SJD2-2102 IEBEDIT OS/VS1 MICROFICHE LISTING
 COMPONENT NUMBER - 5741-SC1-U9
 SJD2-4103 3705-OS/VS-ASM PROGRAM LISTING MICROFICHE INDEPENDENTLY
 DISTRIBUTED PROGRAM 5744-AN1
 SJD2-4104 IBM 3705 EMULATOR PROGRAM FOR VIRTUAL STORAGE - MICROFICHE
 PROGRAM NUMBER 360H-TX-033
 **SYB0-0900 IBM VM/370: CP MICROFICHE - PROGRAM NUMBER 5749-010
 **SYB0-0901 IBM VM/370: CMS MICROFICHE - PROGRAM NUMBER 5749-010

GA19-0004

IBM 1219 READER SORTER, MODEL 32
IBM 1419 MAGNETIC CHARACTER READER, MODEL 32
 This publication contains detailed information about the keys, lights, switches, mechanical features, and special features of the IBM 1219 Reader Sorter, Model 32 and the IBM 1419 Magnetic Character Reader, Model 32.

On-line and off-line data-flow and operating theory are fully discussed, with step-by-step procedures for each reader operation. Programming notes and error-correction routines are also covered in detail. It should be noted that, in the areas of on-line operation, error-recovery, and programming notes, this manual refers to the 1401 attachment only.

For additional information, readers are referred to the following publications: IBM 1401/1460 MISCELLANEOUS Input/Output Instructions, (GA24-3068) and IBM 1419 Magnetic Character Reader with IBM 1410 System, (GA22-0536). For information concerning the attachment of the IBM 1219/1419, Model 32 to the IBM System/360, Models 30 or 40, readers are referred to IBM 1419, MODEL 32 ATTACHED to IBM System/360 Model 30 or 40, (GA19-0023) Manual, 68 pages

GA19-0010

IBM 3944 DIAL TERMINAL
 The IBM 3944 Dial Terminal is designed to be used as an input device to Audio Response Units through a telephone network.

The 7772 Audio Response Unit is an input/output unit of the IBM System/360 Models 30, 40, 50, 65, and 75, interfacing the computer and a telephone network. The Audio Response Unit provides, under program control, composed messages of spoken words in response to digital inquiries or input messages. Except for the use of digital language from the calling to the called line, communication between remote inquiry terminals and the Audio Response Unit is conducted in the same manner as an ordinary telephone call.
 Manual, 4 pages

GA19-0019

IBM SYSTEM/360 MODEL 30 1401/1440/1460 COMPATIBILITY FEATURE
INVERTED PRINT EDIT AND STERLING SUB-FEATURES
 This publication is a supplement to the source manual entitled IBM SYSTEM/360 MODEL 30, 1401/1440/1460 compatibility feature, (GA24-3255), and should be read in conjunction with it. The information contained herein is intended primarily for users in World Trade sterling countries.

This publication is limited to a description of (1) the use of the Comma and Decimal Point Inversion Sub-Feature; and (2) how sterling-currency applications can be processed with the Sterling-Currency Sub-Feature without conversion of existing 1400-series programs.

The reader is also referred to the IBM SYSTEM/360 MODEL 30, functional characteristics, (GA24-3231) for a description of the capabilities, functions, and operational characteristics of the System/360 Model 30; and to REFERENCE MANUAL, IBM 1401 DATA PROCESSING SYSTEM STERLING CURRENCY FEATURES, Form UK3-1401-0, the IBM System/360 Bibliography, (GA22-6822), Lists the associated reference publications.
 Manual, 2 pages

GA19-0023

IBM 1419 MODEL 32 ATTACHED TO IBM SYSTEM/360
MODEL 25, 30, 40, 50, AND 65

This publication is a supplement to IBM 1219 Reader Sorter, Model 32--IBM 1419 Magnetic Character Reader, Model 32, Form A19-0004 and should be read in conjunction with it.

This publication is limited to certain additions to A19-0004. Additional operating information relating to Power On-Power Off, Channel Line Termination and Sort Mode Selection is provided.
 Manual, 42 pages

GA19-0034

IBM 1275 OPTICAL READER SORTER FOR SYSTEM/360 AND
SYSTEM/370

This publication describes the functional characteristics of the IBM 1275 Optical Reader Sorter and contains recommended programming techniques and complete operating instructions. The manual is intended primarily for systems analysts, programmers, and operators who are working in an OCR environment.

The 1275 Optical Reader Sorter reads either of two common types of optical character recognition (OCR) printing and sorts intermixed paper documents. Models 1 and 3 operate off-line; Models 2 and 4 can operate either on-line with an IBM System/360 Model 25, 30, 40, or 50, or with an IBM System/370 Model 135, 145, 155, or 165, or off-line.

For understanding the on-line operation of the 1275, the reader should be familiar with the Systems Reference Library, IBM System/360 Principles of Operation (GA22-6821). Systems Library, 116 pages

GA19-0036

PAPER AND PRINT QUALITY REQUIREMENTS FOR IBM 1270 AND 1275
OPTICAL READER SORTERS

This publication describes the quality of paper and print required for documents that are to be read by the IBM 1270 and 1275 Optical Reader Sorters. The manual is intended for those responsible for providing the documents and for those who plan and maintain the optical character recognition system.

The following topics are dealt with:

1. The mechanical and optical characteristics desired of the paper.
2. The sizes and conditions of documents.
3. The quality of the printing, and the printing devices that can be used to obtain this quality.
4. The procedures for manual, as well as machine, handling of the documents.

For information on the 1270 and 1275 Optical Reader Sorters, refer to Systems Reference Library (SRL) IBM SYSTEM/360 COMPONENT DESCRIPTION - IBM 1270 OPTICAL READER SORTER, Order No. GA19-0035 and IBM SYSTEM/360 COMPONENT DESCRIPTION - IBM 1275 OPTICAL READER SORTER, Order No. GA19-0035 and IBM SYSTEM/360 COMPONENT DESCRIPTION - IBM 1275 OPTICAL READER SORTER, Order No. GA19-0034. For information on the design of documents, refer to SRL FORM-DESIGN CONSIDERATIONS - SYSTEM PRINTERS, Order No. GA24-3488. For information on the IBM printing devices dealt with in the manual, refer to SRL IBM 1403 PRINTER COMPONENT DESCRIPTION, Order No. GA24-3073 and to the booklet IBM TYPING INSTRUCTIONS FOR OPTICAL CHARACTER RECOGNITION. Systems Reference Library Manual, 34 pages

GA21-9025

IBM 1442-N1 AND N2 COMPONENT DESCRIPTION AND OPERATING
PROCEDURES - SRL MANUAL

This publication describes the operating principles, machine features, and operating procedures of the IBM 1442-N1 Card Read-Punch and the IBM 1442-N2 Card Punch. Also, it discusses in general the operation of these devices with IBM System/360.
 Manual, 20 pages

GA21-9026

IBM 2501 MODELS B1 AND B2 COMPONENT DESCRIPTION AND
OPERATING PROCEDURES

This publication describes the operation of the IBM 2501 Card Reader Models B1 and B2 with IBM System/360 Models 30 and higher. Operating principles, system communication, and operating procedures are presented.

This manual assumes that the reader is familiar with the operation of the IBM System/360, as described in the SRL publication, IBM SYSTEM/360 PRINCIPLES OF OPERATION, Order Number GA22-6821.
 Manual, 16 pages

GA21-9027

IBM 2520-B1, B2, AND B3, COMPONENT DESCRIPTION AND OPERATING
PROCEDURES - SRL MANUAL

This publication describes the IBM 2520 Card Read Punch Model B1 and the IBM 2520 Card Punch Models B2 and B3 with IBM System/360 Models 30 and above. Included are discussions of machine features and operating principles and procedures.

For information about attaching the 2520 to System/360 channels, see the publication IBM SYSTEM/360 CHANNEL characteristics and functional evaluation, (GA24-3411). Manual, 36 pages

GA21-9031

IBM SYSTEM/360 COMPONENT DESCRIPTION AND OPERATING
PROCEDURES: 1231-N1 (OPTICAL MARK PAGE READER)

This publication is a reference manual for the IBM 1231 Optical Mark Page Reader, which serves as an input device (reading handwritten marks from sheets of paper) for IBM System/360 Models 25, 30, 40, and 50. The manual provides reference information about the 1231-N1, explaining 1231-N1 operation and its interaction with the system to which it is attached.

The principle audience for this publication will be IBM System/360 programmers, system analysts, supervisors, and operators. Others who will use the manual are forms designers, forms manufacturers, and input document printers.

Programmers, system analysts, and supervisors using this manual will need to be familiar with the system to which the 1231-N1 is attached.
 Systems Reference Library Manual, 44 pages

GA21-9033

IBM SYSTEM/360 COMPONENT DESCRIPTION AND OPERATING
PROCEDURES, IBM 2540 CARD READ PUNCH - SRL MANUAL

This publication explains the operating principles, procedures, and controls of the IBM 2540 Card Read Punch. Special features for the 2540 are also discussed. refer to the IBM 2821 Control Unit SRL (GA24-3312), for information concerning the commands, status and sense indicators, and other programming considerations that affect the 2540. For similar information about an IBM 2540 attached to an IBM System/360 through the integrated 2540 attachment feature, refer to IBM SYSTEM/360 MODEL 25

functional characteristics, (GA24-3510).
Manual, 16 pages

GA21-9064

IBM SYSTEM/360 COMPONENT DESCRIPTION AND OPERATING PROCEDURES IBM 1287 OPTICAL READER
This publication describes the IBM 1287 Optical Reader and its features, operating principles and procedures, and operations with IBM System/360. The manual also contains detailed specifications for input documents and tapes, and for input data quality.
Systems Reference Library Manual, 92 pages

GA21-9081

IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 1288 OPTICAL PAGE READER MODEL 1
This publication is a reference manual for the IBM 1288 Optical Page Reader, which serves as an input device for the IBM System/360 Models 25, 30, 40, and 50. This manual, which is organized by function, discusses:
Interconnection between the 1288 and the processing unit.
Characters read by the 1288 and their data codes.
Data transfer between the 1288 and the system.
Programming information about 1288 control, status signals, and sense indications.
Optical Mark data recording and reading.
Operator controls for the 1288.
Operating procedures for the 1288 that are not application dependent.
Input document design and printing.
Special features for the 1288.
Input data printing.
The principle audience for this publication will be IBM System/360 programmers, system analysts, supervisors, and operators. Others who will use the manual are forms designers, forms manufacturers, and input document printers. Programmers, systems analysts, and supervisors using this manual will need to be familiar with the system to which the 1288 is attached.
Systems Reference Library Manual, 54 pages

GA21-9124

IBM 3504 CARD READER/IBM 3505 CARD READER AND IBM 3225 CARD PUNCH SUBSYSTEM
This manual is a reference manual for programmers (assembler language level) and is an operator's guide. It discusses the IBM 3504 Card Reader Models A1 and A2 (natively attached). This manual is an assembler level programmer's reference manual and an operator's guide. It describes the IBM 3504 Card Reader (an 80-column device that natively attaches to the IBM System/370), the IBM 3505 Card Reader (an 80-column device that attaches to a System/370 channel) and the IBM 3225 Card Punch (an 80-column device that attaches natively to either an IBM 3505 Card Reader or a System/370). These card devices and their interfaces with the system comprise subsystems that do much of the error logging and error recovery support usually provided by the system. The subsystem is buffered, channel overrun cannot occur, and data can be transferred to and from the subsystem in burst mode.
The manual contains information about instructions and commands error indications, conditions, and recovery procedures, a description of the devices, data about operator procedures and controls, and application hints.
Manual, 136 pages

GA21-9139

IBM 1287 OPTICAL READER MODEL 5: GENERAL INFORMATION
This manual contains introductory information about the 1287 Optical Reader Model 5 for programmers, system analysts, supervisors, and machine operators. To fully understand the content of this manual, readers should be familiar with other 1287 models. References to the 1287 SRL GA21-9064 are made throughout the manual where basic 1287 operations information is necessary to understand Model 5 functions.
General Information Manual, 16 pages

GA21-9143

IBM 3881 OPTICAL MARK READER MODELS 1 AND 2 REFERENCE MANUAL AND OPERATOR'S GUIDE
This manual describes the use of the 3881 Model 1 as an on-line reader, and the use of the 3881 as a reader that reads marks onto magnetic tape via an IBM Model 2 3410.
The manual provides customer management, analysts, and programmers with detailed information about the functions and capabilities of the 3881. It describes the format of 3881 forms, explains forms layout, and printing and ink specifications. It contains sections on marking the forms with pencil, preprinted marks, and IBM line printers. The manual describes how to control 3881 by means of the IBM 3881 Format Control Sheets and how to control on-line 3881s by System/370 commands (assembler level programming). An operator's guide section provides detailed information about lights, keys, error stops, and operating procedures.
Manual, 100 pages

GA21-9144

IBM 2596 CARD READ PUNCH PROGRAMMER'S REFERENCE MANUAL AND OPERATOR'S GUIDE - SYSTEMS REFERENCE LIBRARY
This manual describes the IBM 2596 Card Read Punch. The manual is intended for IBM System/360 or IBM System/370 systems analysts, programmers experienced in assembler language, and operators.
This manual describes the following:
o General hardware characteristics of the 2596.
o Commands, status bytes, sense bytes and timing considerations.
o Keys, lights, and operating procedures.
Manual, 41 pages

GA21-9147

IBM 3886 OPTICAL CHARACTER READER MODEL 1 REFERENCE MANUAL
The IBM 3886 Optical Character Reader Reference Manual (MODEL 1) contains operational capabilities and programming requirements for the 3886 Model 1. The manual is written for customer management, systems analysts, and data processing equipment operators, familiar with data processing operations, but not necessarily with OCR devices or techniques.
Manual, 70 pages

GA21-9148

IBM 3886 OPTICAL CHARACTER READER INPUT DOCUMENT DESIGN GUIDE AND SPECIFICATIONS
The 3886 Document Design Guide contains detailed instructions and specifications for the preparation of acceptable input documents for the IBM 3886. The manual is written for systems analysts, forms design personnel, and forms manufacturers.
Manual, 45 pages

GA21-9150

IBM SYSTEM/360 AND SYSTEM/370 COMPONENT DESCRIPTION AND OPERATING PROCEDURES: IBM 1287 OPTICAL READER, MODEL 5
This publication is a reference manual for the IBM 1287 Optical Reader, Model 5, which serves as an input device for the IBM System/360 Models 22, 25, 30, 40, 50, 65, 65MP, 75, and when in 65 mode, 67; and IBM System/370 Models 135, 145, 155, and 165. This manual, which is organized by function, discusses:
o Interconnection between the 1287 and the processing unit.
o Characters read by the 1287 and their data codes.
o Special features for the 1287.
o Data transfer between the 1287 and the system.
o Programming information about 1287 control, status signals, and sense indications.
o Operator controls for the 1287.
o Operating procedures for the 1287 that are not application dependent.
o Input document design and printing.
o Input data printing.
The principle audience for this publication will be IBM System/360 and IBM System/370 programmers, system analysts, supervisors, and operators. Others who will use the manual are forms designers, forms manufacturers, and input document printers. Programmers, systems analysts, and supervisors using this manual will need to be familiar with the system to which the 1287 is attached.
Manual, 92 pages

GA21-9154

IBM 3886 OPTICAL CHARACTER READER MODEL 2 COMPONENT REFERENCE MANUAL
The IBM 3886 OCR Model 1 Component Reference Manual contains component description and operational capabilities of the 3886 Model 1. The manual is written for 3886 Mod 1 users, systems analysts, supervisors, and operators. Sections of the manual also contain information of interest to programmers.
Manual, 92 pages

GA21-9167

IBM SYSTEM/370: 5425 MULTI-FUNCTION CARD UNIT PROGRAMMER'S REFERENCE MANUAL AND OPERATOR'S GUIDE
This manual describes the IBM 5425 Multi-Function Card Unit, Models A1 and A2, which is a natively-attached 96-column card reader for IBM System/370. The manual will be of interest to IBM System/370 systems analysts, programmers experienced in assembler language, and operators.
Besides describing the devices, the manual describes the commands, status bytes, sense bytes, and timing considerations for the 5425, and describes keys, lights, and operating procedures.
Manual, 52 pages

GA22-6810

IBM SYSTEM/360 SYSTEM SUMMARY
This publication provides basic information about the IBM System/360, with the objective of helping readers to achieve a general understanding of this new data processing system and the interrelationships of its models and parts. Broad system concepts, basic and optional features, and specific input/output devices are briefly discussed.

It is assumed that the reader has a basic knowledge of data processing systems as in INTRODUCTION TO IBM DATA Processing Systems, Order Number GC20-1684. Systems Reference Library Manual, 120 pages

GA22-6813

IBM SYSTEM/360 MODEL 40 CONFIGURATOR

Sheet shows all possible units that can be configured on the System/360 Model 40. Configurator, 8-1/2 x 11

GA22-6814

IBM SYSTEM/360 MODEL 50 CONFIGURATOR

Sheet shows all possible units can be configured on the System/360 Model 50. Configurator, 8 - 1/2 x 11

GA22-6821

IBM SYSTEM/360 PRINCIPLES OF OPERATION

This publication is the machine reference manual for the IBM System/360. It provides a direct, comprehensive description of the system structure; of the arithmetic, logical, branching, status switching, and input/output operations; and of the interruption system.

The reader is assumed to have a basic knowledge of data processing systems and to have read the IBM SYSTEM/360 System Summary, (GA22-6810) which describes the System, briefly and discusses the input/output devices available. Manual, 180 pages

GA22-6823

SYSTEM/360 INPUT/OUTPUT CONFIGURATOR

This configurator deals with the input/output equipment attachable to IBM System/360 Models 25-91.

The presentation is arranged in two ways: by type of equipment (such as "direct access", "display", and "printers") and by machine number (such as 1052, 1403, and 7770). For each item of equipment, information is given concerning the way in which the item attaches to the system and the number of items that can be attached. Manual, 6 pages

GA22-6828

IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 7340 MODEL 3 HYPERTAPE DRIVE

This publication describes the functions, operations, controls, and timings of the IBM 7340 Hypertape Drive Model 3, including the dynamics of 7340 reading and writing and details on the tape, tape cartridge, and optional automatic cartridge loader. In addition, all necessary details on the functions and operations of the IBM 2802 Hypertape Control are presented.

This manual provides information for customer systems personnel and is designed as a reference and guide in the training of operators, systems engineers, programmers, managers, and others who need a good general idea of how Hypertape operates within the System/360. It is an I/O adjunct to IBM System/360 Principles of Operation, (GA22-6821). Systems Reference Library Manual, 30 pages

GA22-6846

IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2702 TRANSMISSION CONTROL

Information concerning the operation of an IBM 2702 in a System/360 based Teleprocessing operation is provided in this publication. It contains the following information:

- A generalized description and advantages of the 2702 within a System/360-Teleprocessing activity
- A functional description of the various sections and features of the 2702
- Operational functions of the 2702
- IBM 2702 commands--both channel based and terminal control based
- Individual sections on 2702 Terminal Controls

Terminal Controls

- IBM Terminal Control Type I
- IBM Terminal Control Type II
- World Trade Telegraph Terminal Control
- IBM Telegraph Terminal Control Type I
- IBM Telegraph Terminal Control Type II

Related literature is referenced by form number and briefly described in the IBM SYSTEM/360 BIBLIOGRAPHY, Form GA22-6822. Manual, 176 pages

GA22-6864

IBM 2701 DATA ADAPTER UNIT COMPONENT DESCRIPTION

The IBM 2701 Data Adapter Unit Component Description is a reference manual describing the functions of the IBM 2701. The IBM 2701 permits an IBM System/360 or System/370 to communicate with a variety of remote terminals, devices, and stations.

This publication is designed to help the 2701 user,

operator, and programmer to achieve efficient use of the 2701. Detailed descriptions are presented for:

- o The 2701 in the IBM System/360 and System/370 environment
 - o Characteristics of the 2701 (including features)
 - o Terminal adapter types: IBM Start/Stop Terminal Adapters, Telegraph Terminal Adapters, Parallel Data Adapter, Synchronous Transmit Receive (STR) Adapter, and Binary Synchronous Communications (BSC) Adapter
 - o Programming considerations for the 2701
 - o Line control sequences to and from the 2701 and attached terminals
 - o Ending status and sense bit descriptions
- The reader should have a knowledge of teleprocessing and be familiar with the principles of operation for the IBM System/360 or System/370. For detailed information about Binary Synchronous Communication, refer to General Information - Binary Synchronous Communications (GA27-3004). For detailed information about a specific terminal, refer to the appropriate publication for that terminal. Systems Reference Library Manual, 204 pages

GA22-6866

SYSTEM/360 COMPONENT DESCRIPTIONS: 2400-SERIES MAGNETIC TAPE UNITS, 2803/2804 TAPE CONTROLS, AND 2816 SWITCHING UNIT MODEL 1

This manual contains a comprehensive presentation of the characteristics, functions, and features of the IBM 2400 Series Magnetic Tape Units, 2803/2804 Tape Controls, and a general description of the IBM 2816 Model 1 Switching Unit. The 2400 series consists of the 2401, 2402, and 2420 Magnetic Tape Units, and 2403, 2404, and 2415 Magnetic Tape Units and Controls.

In most instances, operational descriptions are limited to the channel and command level. Operating functions and procedures common and fundamental to all I/O operations are described in IBM SYSTEM/360 PRINCIPLES OF OPERATION, Order Number GA22-6821.

Subjects covered include magnetic tape unit principles; keys and lights; tape load, unload, and cleaning procedures; status and sense information; magnetic tape handling; tape block and reel organization; and error recovery procedures. Manual, 70 pages

GA22-6868

IBM SYSTEM/360 - COMPONENT DESCRIPTION, IBM 1827 DATA CONTROL UNIT

This publication contains the functional characteristics and operating information for the IBM 1827 Data Control Unit. Operations with the IBM System/360 Models 30, 40, 44, and 50 are described. The following IBM 1800 Data Acquisition and Control System Process I/O features are described; Digital Input, Digital Output, Analog Output, Analog Input, and Comparator. Systems Reference Library Manual, 40 pages

GA22-6872

IBM 1827 DATA CONTROL UNIT - CONFIGURATOR

Chart lists all possible units that can be configured onto the 1827. Configurator Sheet, 25 x 11, 2 folds, 1 side

GA22-6874

IBM SYSTEM/360 MODEL 44 CONFIGURATOR

A schematic drawing shows the complete Model 44 Processor with all standard and optional features. Input/output devices are shown on form GA22-6823, and Data Communications Devices on form GA22-6824. Reference Card, 1 page

GA22-6875

IBM SYSTEM/360 MODEL 44 FUNCTIONAL CHARACTERISTICS

This manual describes the system structure, features, instruction timings and formulas, channels, device addressing, and operator controls unique to System/360 Model 44.

It is assumed the reader has a knowledge of the System/360 as defined in the IBM SYSTEM/360 PRINCIPLES OF Operation, (GA22-6821) and the IBM System/360 System Summary, Order Number GA22-6810. Systems Reference Library Manual, 64 pages

GA22-6877

IBM SYSTEM/360 COMPONENT DESCRIPTIONS AND OPERATING PROCEDURES IBM 1052 PRINTER-KEYBOARD MODEL 7 WITH IBM 2150 CONSOLE

This publication describes the functional and operational characteristics of the IBM 1052 Printer-Keyboard Model 7 with the IBM 2150 CONSOLE. Systems Reference Library Manual, 22 pages

GA22-6881 see page 330

GA22-6884

IBM SYSTEM/360 MODEL 65 FUNCTIONAL CHARACTERISTICS

This manual presents the organization, characteristics, functions and features unique to the IBM System/360 Model 65. Major areas described are system structure, generalized

information flow, standard and optional features, instruction timings, and the system control panel. Descriptions of specific input/output devices used with the IBM System/360 Model 65 appear in separate publications. Configurations for the IBM 2065 Processing Unit and I/O devices are available. It is assumed that the reader has a knowledge of the System/360 as defined in the IBM SYSTEM/360 PRINCIPLES OF OPERATION, (GA22-6821) and the IBM System/360 System Summary, Order Number GA22-6810. Systems Reference Library Manual, 44 pages

GA22-6887

SYSTEM/360 MODEL 65 CONFIGURATOR
Sheet shows all units that can be configured on the System/360 Model 65. Configurator, 1 sheet

GA22-6888

IBM SYSTEM/360 MODEL 75 CONFIGURATOR
Sheet shows all possible units that can be configured on the System/360 Model 75. Configurator Sheet, 8 1/2 x 11, one side

GA22-6889

IBM SYSTEM/360 MODEL 75 FUNCTIONAL CHARACTERISTICS
This manual presents the organization, characteristics, functions and features unique to the IBM System/360 Model 75. Major areas described are: system structure, generalized information flow, standard and optional features, instruction timings, and the system control panel.

Descriptions of specific input/output devices used with the IBM System/360 Model 75 appear in separate publications.

This manual assumes that the reader has a knowledge of System/360 as defined in the IBM SYSTEM/360 PRINCIPLES OF OPERATION, (GA22-6821) and the IBM System/360 System Summary, Order Number GA22-6810. Systems Reference Library Manual, 32 pages

GA22-6892

IBM SYSTEM/360 SPECIAL FEATURE CHANNEL-TO-CHANNEL ADAPTER
This manual describes the functions and operating characteristics of the channel-to-channel adapter in either multiple-processor or single-processor systems.

IBM System/360 input/output operations that are exclusive of device considerations are described in detail in the IBM SYSTEM/360 PRINCIPLES OF OPERATION, Form A22-6821.

Systems Reference Library Manual, 16 pages

GA22-6895

IBM SYSTEM/360 COMPONENT DESCRIPTIONS - 2820 STORAGE CONTROL AND 2301 DRUM STORAGE

This publication contains reference information for the operation and programming of the IBM 2820 Storage Control and IBM 2301 Drum Storage. It also contains a brief description of the special features that are available for use with the devices.

Systems Reference Library Manual, 44 pages

GA22-6898

IBM SYSTEM/360 MODEL 50 FUNCTIONAL CHARACTERISTICS
This manual presents the organization, characteristics, functions and features unique to the IBM System/360 Model 50. Major areas described are system structure, generalized information flow, standard and optional features, system control panel, instruction timings, channel characteristics, concurrent input/output capabilities, selector channel loading, multiplexer channel loading, and channel interference with the CPU.

It is assumed that the reader has a knowledge of the System/360 as defined in the IBM SYSTEM/360 PRINCIPLES OF OPERATION, Form A22-6821 and the IBM SYSTEM SUMMARY, Form A22-6810.

Systems Reference Library Manual, 98 pages

GA22-6900

DATA ACQUISITION SPECIAL FEATURES FOR THE IBM SYSTEM/360 MODEL 44

This publication provides information about the operation, control, and interface of three special features:

- Direct Work
- Direct Data Channel
- Priority Interrupt

These features are particularly suitable for high-speed data acquisition and relatively complex control applications in the scientific fields.

Systems Reference Library Manual, 32 pages

GA22-6907

IBM SYSTEM/360 MODEL 91 FUNCTIONAL CHARACTERISTICS

This publication describes the organization and the functional characteristics of the IBM System/360 Model 91, an information-processing system designed for ultrahigh-

speed, large-scale scientific and business applications.

The system components are described, and a detailed consideration is given to the functions of processor storage, the central processing unit, the input/output channels, and the operator-control and operator-intervention portions of the system control panel. In addition certain coding and timing considerations are discussed.

The reader is assumed to have a knowledge of information-processing systems and to have read the IBM System/360 Principles of Operation, (GA22-6821). Systems Reference Library Manual, 35 pages

GA22-6908

IBM SYSTEM/360 MODEL 50 OPERATING PROCEDURES

This manual describes operator procedures for an IBM 2050 Processing Unit, operating with or without an associated IBM 1052 Printer-Keyboard. The manual describes machine functions, machine procedures, program-oriented procedures, and operator-intervention procedures. An appendix of reference material and an index are also included.

The reader should also refer to the following SRL publications:

- IBM System/360 Principles of Operation, (GA22-6821)
- IBM SYSTEM/360 MODEL 50 FUNCTIONAL CHARACTERISTICS, Order Number GA22-6898
- IBM SYSTEM/360 TAPE OPERATING SYSTEM OPERATING GUIDE, Order Number GC24-5021
- IBM SYSTEM/360 DISK OPERATING SYSTEM OPERATING GUIDE, Order Number GC24-5022
- IBM SYSTEM/360 OPERATING SYSTEM OPERATOR'S GUIDE, Order Number GC28-6540

(Of the three operating system publications listed above, at least the one applicable to the system in use should be read by the operator.)

Systems Reference Library Manual, 96 pages

GA22-6909

IBM SYSTEM/360 MODEL 75 OPERATING PROCEDURES

This manual describes operator procedures for an IBM 2075 Processing Unit, operating with or without an associated IBM 1052 Printer-Keyboard. The manual describes system control panel machine functions, machine procedures, program-oriented procedures, and operator-intervention procedures. An appendix of reference material and an index are included.

The reader is assumed to have a knowledge of the following SRL publications:

- IBM System/360 Principles of Operation, (GA22-6821) (sections on "System Structure" and "System Control Panel")
- IBM SYSTEM/360 MODEL 75 FUNCTIONAL CHARACTERISTICS, Order Number (GA22-6889)
- IBM SYSTEM/360 TAPE OPERATING SYSTEM OPERATING GUIDE, Order Number GC24-5021
- IBM SYSTEM/360 DISK OPERATING SYSTEM OPERATING GUIDE, Order Number GC24-5022
- IBM SYSTEM/360 OPERATING SYSTEM OPERATOR'S GUIDE, Order Number GC28-6540

Systems Reference Library Manual, 44 pages

GA22-6910

IBM SYSTEM/360 MODEL 44 OPERATING PROCEDURES

This manual describes operator procedures for an IBM 2044 Processing Unit, operating with its associated Control Printer-Keyboard. The manual has sections devoted to system control panel machine functions, machine procedures, program-oriented procedures, operator-intervention procedures, and command examples, plus an appendix of reference material, and a complete index.

The reader should also refer to the following SRL publications:

- IBM System/360 Principles of Operation, (GA22-6821) (sections on System Structure and System Control Panel)
- IBM System/360 Model 44 functional characteristics, Order Number GA22-6875.
- IBM System/360 Model 44 PROGRAMMING SYSTEM, GUIDE TO System use, Order Number GC28-6812
- IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM OPERATOR'S Guide, Order Number GC28-6815

Systems Reference Library Manual, 68 pages

GA22-6911

IBM SYSTEM/360 MODEL 40 OPERATING PROCEDURES

This manual describes operator procedures for an IBM 2040 Processing Unit, operating with or without an associated IBM 1052 Printer-Keyboard. The manual describes the system control panel, system procedures, program-oriented procedures, operator-intervention procedures, and IPL procedures. An appendix of reference material and an index are also included. This manual is intended for the Model 40 system operator.

The reader is assumed to have a knowledge of information-processing systems and to have read the Operator's Guide for the operating system in use at this installation.

Systems Reference Library Manual, 112 pages

GA22-6916

IBM SYSTEM/360 MODEL 85 FUNCTIONAL CHARACTERISTICS
This publication describes the organization and the functional characteristics of the IBM System/360 Model 85, an information-processing system designed for very high-speed, large-scale scientific and business applications.

The system components are described, and a detailed consideration is given to the functions of processor storage, the central processing unit, the input/output channels, and the operator-control and operator-intervention portions of the system control panel. In addition, certain coding and timing considerations are described.
Manual, 40 pages

GA22-6920

IBM SYSTEM/360 MODEL 85 CONFIGURATOR
Sheet shows all units that can be configured on the System/360 Model 85.
Configurator Sheet, 2 pages

GA22-6927

IBM SYSTEM/360 MODEL 85 OPERATING PROCEDURES
This manual describes operator procedures for an IBM 2085 Processing Unit, operating with or without an associated IBM Operator Console Feature. The manual describes machine functions, machine procedures, program-oriented procedures, and operator intervention procedures. In addition, appendices of reference material and an index are included.

The reader is assumed to have a knowledge of the following SRL publications:

IBM System/360 Principles of Operation, (GA22-6821).
IBM SYSTEM/360 MODEL 85 FUNCTIONAL CHARACTERISTICS, Order Number GA22-6916
IBM SYSTEM/360 OPERATING SYSTEM OPERATOR'S GUIDE, Order Number GC28-6540

For information pertaining to the operation of units attachable to the System/360 Model 85, refer to the appropriate SRL publication. SRL publications that pertain to IBM System/360 and attachable units are abstracted and referenced by Order Number in IBM System/360 Bibliography, GA22-6822.
Systems Reference Library Manual, 88 pages

GA22-6935

IBM SYSTEM/370 MODEL 165 FUNCTIONAL CHARACTERISTICS
This publication describes the organization and the functional characteristics of the IBM System/370 Model 165, an information-processing system designed for very high-speed, large-scale scientific and business applications.

The system components are described, and a detailed consideration is given to the functions of processor storage, the central processing unit, the input/output channels, and the operator-control and operator-intervention portions of the system control panel. In addition, certain coding and timing considerations are described.

The reader is assumed to have a knowledge of information-processing systems and to have an understanding of the System/360, as that system is described in the IBM SYSTEM/360 PRINCIPLES OF OPERATION, Order No. GA22-6821. The IBM SYSTEM/370 PRINCIPLES OF OPERATION, GA22-7000, should be used in conjunction with the IBM SYSTEM/360 PRINCIPLES OF OPERATION.
Functional Characteristics Manual, 48 pages

GA22-6942

IBM SYSTEM/370 MODEL 155 FUNCTIONAL CHARACTERISTICS
This publication describes the organization, functional characteristics, and features of the IBM System/370 Model 155. System components are described, and consideration is given to the central processing unit, main storage, input/output channels, and the operator control and operator intervention portions of the system control panel. Instruction timing information is also given.

This publication is intended for users and potential users of the Model 155. The reader is assumed to have a background knowledge of data processing systems.
Functional Characteristics Manual, 46 pages

GA22-6943

IBM SYSTEM/360 AND SYSTEM/370 MODEL 195 FUNCTIONAL CHARACTERISTICS
This publication describes the organization and functional characteristics of the IBM System/360 Model 195, an information-processing system designed for ultrahigh-speed, large-scale scientific applications.
System components are described, and detailed consideration is given to the functions of processor storage, central processing unit, input/output channels, and operator-control and operator-intervention portions of the system control panel. Coding and timing considerations are discussed.

The reader is assumed to have a knowledge of information-processing systems and to have read the IBM System/360 Principles of Operation, Order Number GA22-6821.
Systems Reference Library Manual, 40 pages

GA22-6944

IBM SYSTEM/360 AND SYSTEM/370 MODEL 195 CONFIGURATOR
Sheet shows all units that can be configured on the System/360, Model 195.
Configuration Sheet, 2 pages

GA22-6951

IBM 50 MAGNETIC DATA INSCRIBER OPERATOR'S GUIDE
This manual for the IBM 50 Magnetic Data Inscrubber (MDI) has been prepared to satisfy the requirements of the operator. It contains descriptions, in text and illustrations, of all the possible operations. Included are a general description of the machine and its capabilities, procedures for readying the machine, and detailed descriptions of operations, recovery procedures, specific applications, special features, and available accessories.
Manual, 129 pages

GA22-6954

IBM SYSTEM/360 MODEL 195 OPERATING PROCEDURES
This manual describes operator procedures for an IBM System/360 Model 195, operating with or without an associated IBM 1052 Printer-Keyboard. This manual describes the system control panel, system procedures, program-oriented procedures, operator-intervention procedures, and IPL procedures. An appendix of reference material and an index are also included. This manual is intended for the Model 195 system operator.

The reader is assumed to have a knowledge of information-processing systems and to have read the IBM SYSTEM/360 OPERATING SYSTEM, OPERATOR'S GUIDE, Order No. GC28-6540.
Systems Reference Library Manual, 8-1/2" x 11", 87 pages

GA22-6955

IBM SYSTEM/370 SPECIAL FEATURE DESCRIPTION: 709/7090/7094/7094 II COMPATIBILITY FEATURE FOR IBM SYSTEM/370 MODEL 165
This publication contains information about the IBM 7094 compatibility feature (#7119), which adds interpretive facilities to System/370 Model 165 for use by the IBM 7094 emulator program. The combination of the feature and the program (referred to as the 7094 emulator) allows execution on IBM System/370 Model 165 of programs written for the IBM 709, 7090, 7094, and 7094 II Data Processing Systems.
Systems Reference Library Manual, 52 pages

GA22-6956

IBM SYSTEM/370 MODEL 165 CONFIGURATOR
Diagram of 3165 Processing Unit and attachable channels (no I/O units) showing capacities and all standard and special features.
Configurator Sheet, 1 page

GA22-6957

IBM SYSTEM/370 MODEL 155 CONFIGURATOR
This sheet shows standard and optional features, main storage sizes by model, channel and sub-channel availability by model, and adapters required for console I/O units on the System/370 Model 155.
System Configurator, 1 sheet

GA22-6958

IBM SYSTEM/370 SPECIAL FEATURE DESCRIPTION: 7070/7074 COMPATIBILITY FEATURE FOR IBM SYSTEM/370 MODEL 165
This publication contains information about the IBM 7070/7074 compatibility feature, which adds interpretive facilities to System/370 Model 165 for use by the IBM 7074 emulator program. The combination of the feature and the program (referred to as the 7074 emulator) allows execution on IBM System/370 Model 165 of programs written for the IBM 7070 and 7074 Data Processing Systems.
Systems Reference Library Manual, 36 pages

GA22-6962

IBM SYSTEM/370 MODEL 155 CHANNEL CHARACTERISTICS
This publication describes methods used to calculate System/370 Model 155 data handling capabilities that are dependent upon I/O-channel configurations and operations. Considerations of methods are also presented for priority attachment of I/O devices for maximum throughput.
Information related to specific I/O devices is contained in separate Systems Reference Library publications. These publications are listed by order number and briefly described in IBM System/360 Bibliography, GA22-6822.
This manual is intended for users at the system programmer level; it assumes a thorough background in I/O programming techniques.
Systems Reference Library Manual, 52 pages

GA22-6963

IBM SYSTEM/370 SPECIAL FEATURE DESCRIPTION 7080 COMPATIBILITY FEATURE FOR IBM SYSTEM/370 MODEL 165
This publication contains information about the IBM 7080 compatibility feature, which adds interpretive facilities to

System/370 Model 165 for use by the IBM 7080 emulator program. The combination of the feature and the program (referred to as the 7080 emulator) allows execution on IBM System/370 Model 165 of programs written for the IBM 7080 Data Processing System.
Systems Library Manual, 48 pages

GA22-6966

IBM SYSTEM/370 MODEL 155 OPERATING PROCEDURES
This manual describes operator procedures for an IBM System/370 Model 155. Machine coverage includes console indicators, switches, and keys; printer-keyboard; and operating procedures. The manual is intended for the Model 155 system operator. The reader is assumed to have a knowledge of information-processing systems and to have read the IBM SYSTEM/360 OPERATING SYSTEM: OPERATOR'S PROCEDURES, GC28-6692.
Systems Library Manual, 40 pages

GA22-6969

IBM SYSTEM/370 MODEL 165 OPERATING PROCEDURES
This manual describes the manual operator procedures for an IBM System/370 Model 165. This material provides a guide to performing the procedures which cover the bulk of the operator's job in operating the Model 165. This publication is written for the working operator who has already received training in general computer operation. This book is prepared specifically for the Model 165 system operator; other models have their own manuals. Covering the overall daily manual operation, this information includes System Procedures, Operator Intervention Procedures, How the System Works (control panels), and supplementary appendixes useful for operating this model. The reader is assumed to have read the IBM SYSTEM/360 OPERATING SYSTEM: OPERATOR'S PROCEDURES, GC28-6692.
System Library Manual, 80 pages

GA22-6983

SYSTEM/370 SPECIAL FEATURE: CHANNEL-TO-CHANNEL ADAPTER
This publication provides a functional description of the SYSTEM/370 Channel-to-Channel Adapter. The System/370 and System/360 channel-to-channel adapters are alike in function and similar in operation. This manual describes all the functions of the System/360 adapter as provided in IBM System/360 Special Feature Channel-to-Channel Adapter, plus unique System/370 extensions. Reference information is included which pertains to the adapter's use, operation, and commands, and status data required for the assembly language programming.

The reader should possess a basic knowledge of data processing systems and, specifically, the IBM System/370. Such information can be found, for example, in the Introduction to IBM Data Processing Systems, GC20-1684, and in the IBM System/370 System Summary, GA22-7001.

This manual is directed to the user who needs a description of the adapter's function and operation, as well as to the systems programmer, systems engineer, or maintenance personnel who need reference information in the writing and maintenance of assembly language programs for the channel-to-channel adapter.
Manual, 20 pages

GA22-7000

IBM SYSTEM/370 PRINCIPLES OF OPERATION
This publication provides, for reference purposes, a detailed definition of the machine functions performed by system/370. System/370, like System/360, consists of many models of general purpose computers, each of which can process both commercial and scientific data.

The manual describes each function to the level of detail that must be understood in order to prepare an assembly language program that relies on that function. It does not, however, describe the notation and conventions that must be employed in preparing such a program, for which the user must instead refer to the appropriate assembly language manual.

The information in this manual is provided principally for use by assembly language programmers, although anyone concerned with the functional details of System/370 will find it useful.

Because this manual is written as a reference document, it should not be considered to be an introduction or a textbook for System/370. It assumes the user has a basic knowledge of data processing systems, and specifically, the System/370, such as can be derived from the Introduction to IBM Data Processing Systems, GC20-1684, and the IBM System/370 System Summary, GA22-7001.

The information presented in this manual is grouped into 14 chapters and several appendixes. The major topics presented include: Control, Dynamic Address Translation, Interruptions, Multiprocessing, System Control Instructions, General Instructions, Decimal Instructions, Floating Point Instructions, Machine-Check Handling, Input/Output Operations, and System Console.
Manual, 318 pages

GA22-7001

IBM SYSTEM/370 SYSTEM SUMMARY
This publication is intended to provide basic information about IBM System/370, the data processing system based on IBM System/360 but extending beyond the capabilities of that system. The objective of this publication is to help readers achieve a general understanding of this data processing system and of the interrelationships of its components. Briefly discussed are the system concepts, features, individual models, programming systems, and attachable input/output devices of System/370.

A basic knowledge of data processing systems, such as that given in the INTRODUCTION TO IBM DATA PROCESSING SYSTEMS, GC20-1684, is assumed.

More detailed information about System/370 is available in IBM System/370 PRINCIPLES OF OPERATION, GA22-7000, and the associated publication, IBM SYSTEM/360 PRINCIPLES OF OPERATION, GA22-6821. For more information about any individual System/370 model, see the functional characteristics manual for the model.
System Summary, 121 pages

GA22-7002

SYSTEM/370 INPUT/OUTPUT CONFIGURATOR
This document highlights all of the Input/Output devices that can be configured on the System/370.
Configurator, 8 pages

GA22-7010

SYSTEM/370 MODEL 168 FUNCTIONAL CHARACTERISTICS MANUAL
No abstract available.
Manual

GA22-7011

IBM SYSTEM/370 MODEL 158 FUNCTIONAL CHARACTERISTICS
This manual describes the characteristics and features of the Model 155 II. It provides experienced management, programming and operations personnel with a fundamental understanding of this model. Knowledge of System/370 as provided in IBM System/370 Principles of Operation, GA22-7000 is required. Only information which summarizes the processing unit and storage functions, followed by a description of the display console. A feature summary, a glossary and the index complete the manual.
Manual, 22 pages

GA22-7012

IBM SYSTEM/370 MODEL 158 CHANNEL CHARACTERISTICS
This publication describes methods used to calculate System/370 Model 155 II data handling capabilities that are dependent on I/O channel configurations and operations. In addition, consideration is given to priority attachment of I/O devices for maximum throughput, and to calculating CPU interference caused by channel operations. This manual is intended for users having system programmer experience, and a thorough background in I/O programming techniques.
Manual, 70 pages

GA22-7013

SYSTEM/370 MODEL 158 CONFIGURATOR
This chart is a graphic presentation of the System/370 Model 158 including all models of 3158 CPU, all I/O interface change, main storage capacities, standard facilities and all optional features.
Chart

GA22-7014

SYSTEM/370 MODEL 168 CONFIGURATOR
This chart is a graphic presentation of the System/370 Model 168 including all models of the 3168, main storage capacities, standard facilities and all optional features.
Chart

GA22-7016

IBM SYSTEM/370 MODEL 165 II DYNAMIC ADDRESS TRANSLATION FACILITY
This publication describes the field-installable Dynamic Address Translation facility. It provides experienced management, programming and operations personnel with a fundamental understanding of this facility. For additional information concerning dynamic address translation, refer to IBM System/370 Principles of Operation, GA22-7000.
Manual, 13 pages

GA22-7017

IBM SYSTEM/370 MODEL 155 II DYNAMIC ADDRESS TRANSLATION FACILITY
This manual is a general description of the field installable Dynamic Address Translation (DAT) facility and also the ancillary functions which implement the feature. Management, computer operators, system engineers, service personnel, programmers, and computer science students should refer to IBM System/370 Model 165 Functional Characteristics, GA22-6953, for an overall picture of the system.
Manual, 9 pages

GA24-1421

IBM 1412 MAGNETIC CHARACTER READER MODEL I

This reference publication contains detailed information about the keys, lights, switches, mechanical features, and special features of the IBM 1412 Magnetic Character Reader. On-line and off-line data-flow and operating theory are fully discussed with step-by-step procedures for each reader operation. Programming notes and error-correction routines are also covered in detail.
Systems Reference Library Manual, 64 pages

GA24-1446

IBM 1404 PRINTER

The IBM 1404 Printer, an output unit for the IBM 1401 Data Processing System and the IBM System/360, Models 30, 40, and 50, is capable of printing either cut-card forms or continuous forms. This reference publication presents the functional and operational characteristics of the 1404, including the settings of the feed mechanism and the print unit. It also describes the read-compare special feature. Information on timing and on certain normal operating procedures is presented.
Systems Reference Library Manual, 28 pages

GA24-1452

PRINT QUALITY CONSIDERATIONS IBM 1418 AND IBM 1428

This publication contains a detailed description of the print quality requirements of printing to be read by the IBM 1418 Optical Character Reader and the IBM 1428 Alphameric Optical Reader, and to be used as input to an IBM 1401 Data Processing System, IBM 1460 Data Processing System, and IBM System/360, Model 30. The use of print-quality measuring devices is fully explained with examples of the range of acceptable printing produced by the IBM 407 Accounting Machine, IBM 1403 Printer, IBM SELECTRIC Typewriter and IBM Electric Typewriter.
Systems Reference Library Manual, 40 pages

GA24-1473

IBM 1418 OPTICAL CHARACTER READERIBM 1428 ALPHAMERIC OPTICAL READER

This publication describes the operation of the IBM 1418 Optical Character Reader and the IBM 1428 Alphameric Optical Reader used as input devices to an IBM data processing system.

Included are a description of character and mark-reading capabilities, off-line sorting, document-design requirements, and examples of the range of acceptable print quality of the documents to be scanned by both machines. The use of the IBM 1418/1428 Document Design and PDS Timing Chart and the formulas for calculating document output and maximum character reading per document are also fully discussed as an aid in optimizing the design of documents to be read by both machines.
Systems Reference Library Manual, 56 pages

GA24-1499

IBM 1219 READER SORTER IBM 1419 MAGNETIC CHARACTER READER

This publication describes the operating characteristics, controls, indicators, and features of the IBM 1219 Reader Sorter and the IBM 1419 Magnetic Character Reader. Operating theory and procedures are given for off-line operation of both machines and on-line operation of the IBM 1419 within the 1400 series and System/360.

Document handling and data flow are discussed fully, and step-by-step procedures and practical examples are given for each machine. Programming notes and error recovery procedures are also given.
Systems Reference Library Manual, 96 pages

GA24-3073

IBM 1403 PRINTER COMPONENT DESCRIPTION

This reference publication for system planners, programmers, and operators describes the functions and operations of the IBM 1403 Printer. Special features available are described; timing information is presented; and print-quality requirements are set forth. The reader should be familiar, within his field of responsibility, with the system to which this printer is attached. For system and programming information, refer to publications listed in the bibliography for the system.
Manual, 8-1/2 x 11 inches, 56 pages

GA24-3081

MARK READ STATION (SLANTED MARK) FOR IBM 1418 AND IBM 1428

This publication describes the Mark Read Station (Slanted Mark) special feature. This feature is available for the IBM 1418 Optical Character Reader, and for the IBM 1428 Alphameric Optical Reader. A description of these functional specifications is included:

- Document Specifications
- Mark Reading
- Document Format
- Document Corner Cuts
- Document Feeding

This publication is for those familiar with programming and operating the IBM 1418 and 1428, as described in these System Reference Library publications:

PROGRAMMING FOR THE IBM 1418 AND IBM 1428

Optical Readers, Order Number GC24-1091

IBM 1418 OPTICAL CHARACTER READER AND IBM 1428 Alphameric Optical Reader, Order Number GA24-1473
Systems Reference Library Manual, 12 pages

GA24-3089

SUPPLEMENTAL BIBLIOGRAPHY: TELEPROCESSING/DATA COLLECTION

This is primarily a supplement to the IBM data processing system bibliographies. It lists and describes publications on that teleprocessing and data collection equipment which is used independently or with several systems.

Publications on TP hardware used with only one data processing system are in the bibliography for that system. Likewise, publications on a TP program written to run on a single data processing system are in the bibliography for that system. This supplement lists, and should be used with, each system bibliography that may be associated.

Planning, installation, programming, and operator's publications are listed. Titles, order numbers, current status, Technical Newsletter numbers, and an abstract of each listed item are included in this regularly updated supplemental bibliography.
Manual, 20 pages

GA24-3120

IBM 1443 PRINTER MODELS 1 THROUGH 4 AND N1, AND 1445 PRINTER MODELS 1 AND N1: COMPONENT DESCRIPTION

This reference publication describes the operation of the IBM 1443 and 1445 Printers with the IBM 1240, 1401, 1440, 1450, 1460, 1800, and the IBM System/360 Data Processing System Models 25 through 85.

The manual discusses timing information for the printer and the tapecontrolled carriage, as well as their functional and operating characteristics. The speed of the printer using the various character sets is described. Also, included is command, status, and sense information for these printers used with the IBM System/360 Data Processing System.
Manual, 36 pages

GA24-3231

IBM SYSTEM/360 MODEL 30 FUNCTIONAL CHARACTERISTICS

This reference publication describes the relationship of the IBM System/360 Model 30 to the entire System/360. The system's capabilities, features, I/O channels, and operations are also discussed.
Systems Reference Library Manual, 76 pages

GA24-3232

IBM SYSTEM/360 MODEL 30 CONFIGURATOR

Chart listing all units that can be configured on the System/360 Model 30.
Configurator Sheet, 17 x 11, 1 fold, 2 sides

GA24-3255

IBM SYSTEM/360 MODEL 30 1401/1440/1460 COMPATIBILITY FEATURE SRL MANUAL

This publication describes the 1401/1440/1460 Basic Compatibility feature and associated subfeatures for the System/360 Model 30. These special features enable a rapid and simplified transfer from 1401-, 1440-, or 1460-oriented applications to the IBM System/360 Model 30.
Manual, 124 pages

GA24-3256

IBM 1285 OPTICAL READER COMPONENT DESCRIPTION AND OPERATING PROCEDURES

This publication describes the IBM 1285 Optical Reader. The major topics include operating principles, controls and operating procedures, programming for the IBM System/360, and input tape and printing specifications.
Systems Reference Library Manual, 36 pages

GA24-3312

IBM 2821 CONTROL UNIT COMPONENT DESCRIPTION

This reference publication presents a description of input/output operations controlled through the IBM 2821 Control Unit. The IBM 2540 Card Read-Punch and the IBM 1403 and 1404 Printers controlled by the IBM 2821 Control Unit are briefly described.

Commands, status, and sense information pertaining to the attached input/output is presented. Programming timing considerations for control unit, card reader, card punch, and printers are also presented.
Systems Reference Library Manual, 76 pages

GA24-3342

BATCH NUMBERING FEATURE FOR IBM 1241 AND 1419 MAGNETIC INK CHARACTER RECOGNITION READERS

This publication describes the functions and features of the Batch Numbering special feature when used with the IBM 1241 Magnetic Ink Character Recognition Reader and the IBM 1419 Magnetic Character Reader.

The operation of the keys, lights, and switches, as well as the programming information needed to operate the

feature, is covered in detail.
Systems Reference Library Manual, 16 pages

GA24-3365

IBM SYSTEM/360 MODEL 30 1620 COMPATIBILITY FEATURE
This publication describes the IBM 1620 Compatibility Feature for the IBM System/360 Model 30. This special feature provides a means of rapid and simplified transfer of 1620-oriented applications to the IBM System/360 Model 30.
Systems Reference Library Manual, 76 pages

GA24-3373

IBM SYSTEM/360 MODEL 30 OPERATING GUIDE
This reference publication describes operator procedures for the IBM 2030 Processing Unit and the IBM 1052 Printer Keyboard (attached to the IBM System/360 Model 30).
Systems Reference Library Manual, 48 pages

GA24-3388

IBM 2671 PAPER TAPE READER,
IBM 2822 PAPER TAPE READER CONTROL - COMPONENT DESCRIPTION
This publication gives sufficient information to understand the IBM 2671 Paper Tape Reader and IBM 2822 Paper Tape Reader Control and the associated special features. The main purpose of the publication, however, is to assist programmers and operators to operate the machine when it is used as an I/O unit to the IBM System/360 Model 25, 30, 40, 44, 50, or 67, or to System/370. The relevance of the controls and indicators for such a configuration are given, together with points of specific interest to the following:

- o Programmers: Operational characteristics, including stop conditions, addressing, recovery procedures, and System/360 commands.
- o Operators: Tape loading, unloading, rewinding, and repair procedures.
- o System Analysts: Tape specifications.

The sections for programmers presuppose a knowledge of System/360 and System/370 operation and of paper tape readers, but no such knowledge is required in understanding the sections for operators.

ASSOCIATED PUBLICATIONS

Physical Characteristics of the 2671 Paper Tape Reader and 2822 Paper Tape Reader Control and of System/360 operation are given in the following publications:

1. IBM SYSTEM/360 INSTALLATION MANUAL - PHYSICAL PLANNING, Order No. GC22-6820.
2. IBM SYSTEM/360 INSTALLATION MANUAL - PHYSICAL PLANNING, IBM WORLD TRADE 50-HERTZ REQUIREMENTS, Order No. GC19-0001.

Systems Reference Library, 64 pages

GA24-3411

IBM SYSTEM/360 MODEL 30 CHANNEL CHARACTERISTICS AND FUNCTIONAL EVALUATION
This reference publication describes methods used to calculate System/360 Model 30 data handling capabilities that are dependent upon I/O-channel configurations and operations. Also presented are considerations of methods for:

1. Priority attachment of I/O units for maximum through
2. Addressing I/O units,
3. Calculating buffer transfer times,
4. Calculating interference (with the processing unit) caused by channel operations.

Calculations for a System/360 Model 30 with a 1.5 microsecond RW (Read/Write) cycle and with a 2-microsecond RW cycle are discussed separately.

The user of this publication should be thoroughly familiar with I/O programming considerations as described in the IBM System/360 PRINCIPLES OF OPERATION, GA22-6821. Information related to specific I/O devices is contained in separate Systems Reference Library publications.
Systems Reference Library Manual, 86 pages

GA24-3426

IBM 2712 REMOTE MULTIPLEXOR
This reference publication describes the IBM 2712 Remote Multiplexor and its operation. The 2712 is used with IBM 1050, 1060, 2740, and 2741 terminals (134.49 baud) and with telegraph terminals (74.2 baud) connected to IBM System/360 through the IBM 2702 and 2703 Transmission Control Units. Communication facilities that can be used with the 2712 are specified.
Systems Reference Library Manual, 12 pages

GA24-3500

IBM 1259 MAGNETIC CHARACTER READER COMPONENT DESCRIPTION
This reference publication contains information about all the features and functions of the IBM 1259 Magnetic Character Reader. On-line and off-line data flow and operating theory are discussed, with detailed programming information and operating instructions for each reader function.
Systems Reference Library Manual, 38 pages

GA24-3509

IBM 2944 DATACHANNEL REPEATER INSTALLATION MANUAL-PHYSICAL PLANNING
This publication provides physical planning information for the IBM 2944 Data Channel Repeater Model 1 (master) and Model 2 (remote) when used with the IBM System/360. Included are physical specifications and cable, electrical and environmental requirements.
Systems Reference Library Manual, 8 pages

GA24-3510

IBM SYSTEM/360 MODEL 25 FUNCTIONAL CHARACTERISTICS
This reference publication augments the IBM SYSTEM/360 PRINCIPLES OF OPERATION, GA22-6821. It describes the relationship of the Model 25 to other System/360 models: system capabilities, system control panel, input/output channels and integrated I/O attachments, operations, instruction timings, and system features.
The reader should have a knowledge of the System/360 as defined in the IBM SYSTEM/360 PRINCIPLES OF OPERATION.
Systems Reference Library Manual, 154 pages

GA24-3511

IBM SYSTEM/360 MODEL 25 CONFIGURATOR
Chart listing all possible units that can be configured on System/360 Model 25.
Configurator Sheet, 17 x 11, 1 fold, 1 side

GA24-3512

IBM SYSTEM/360 MODEL 25 1401/1460 AND 1440 COMPATIBILITY FEATURES
This publication describes the 1401/1460 and 1440 Compatibility features for the IBM System/360 Model 25. These special features enable a rapid and simplified transfer from 1401-, 1460-, or 1440-oriented applications to the IBM System/360 Model 25.
Refer to the IBM SYSTEM/360 MODEL 25 FUNCTIONAL Characteristics, (GA24-3510), for a description of the capabilities, functions and operational characteristics of the System/360 Model 25.
Systems Reference Library Manual, 52 pages

GA24-3516

IBM 2938 ARRAY PROCESSOR MODEL 1 RPO W24563, MODEL 2 RPO 815188 INSTALLATION MANUAL - PHYSICAL PLANNING
This publication contains physical planning information for installing the IBM 2938 Array Processor Models 1 and 2 (RPO). Included are dimensions, weights, electrical requirements, and environmental specifications. A cable diagram and a cable requirements chart are provided.
Systems Reference Library Manual, 6 pages

GA24-3519

IBM SYSTEM/360 CUSTOM EQUIPMENT DESCRIPTION: 2938 ARRAY PROCESSOR (MODEL 1, RPO W24563; MODEL 2, RPO 815188)
The IBM 2938 Array Processor is an auxiliary computing unit for System/360 Models 44, 65, 67-1, 75 and 85. It performs high-speed processing of arrays of data using short-precision floating-point arithmetic. This publication describes the principles of operation and functional characteristics of the Array Processor.
A prerequisite for studying this bulletin is a basic knowledge of the IBM System/360 as contained in the IBM SYSTEM/360 PRINCIPLES OF OPERATION, GA22-6821.
Manual, 60 pages

GA24-3523

IBM SYSTEM/360 MODEL 25 OPERATING PROCEDURES
This publication contains procedures and reference information for personnel operating the IBM System/360 Model 25. Included are the IBM 2025 Processing Unit and the following I/O devices that can be connected to the system via integrated attachment features:

- IBM 1052 Printer-Keyboard Model 7
- IBM 2540 Card Read Punch
- IBM 2311 Disk Storage Drive Model 1
- IBM 1403 Printer Models 2, 7 and N1

Procedures are given for system power on and power off, system initialization, store/display, single-instruction processing, I/O device readying, and printer-keyboard alter/display. Indicators, lights, keys, switches, and controls for the 2025 Processing Unit and the listed I/O devices are described. Operator diagnostic flowcharts, I/O setup procedures appear in the appendix.
For additional information on specific units and special features, refer to appropriate publications listed in IBM SYSTEM/360 BIBLIOGRAPHY GA22-6822.
Systems Reference Library Manual, 132 pages

GA24-3524

IBM SYSTEM/360 MODEL 25 MODEL 20 MODE FEATURE
This reference publication describes the characteristics, implementation, and operating considerations for the IBM System/360 Model 25. Included in this document are descriptions of the functional operation, operator functions, and restart procedures for the applicable I/O devices.

The reader should have a basic knowledge of the IBM System/360 Model 25 operation and the operation of the I/O devices described.

Information in the following IBM publications is essential for a complete understanding of the material in this manual:

- IBM System/360 Model 20 Functional Characteristics, GA26-5847
- IBM System/360 Model 25 Functional Characteristics, GA24-3510

Systems Reference Library Manual, 40 pages

Systems Library Manual, 64 pages

GA24-3545

IBM 2956-5 MULTI-POCKET READER SORTER INSTALLATION MANUAL PHYSICAL PLANNING

This publication provides physical planning information for the IBM 2956-5 Multi-Pocket Reader Sorter when used with the IBM System/360 Models 30, 40, and 50. Included are physical specifications and cable, electrical, and environmental requirements.

System Reference Library Manual, 8 pages

GA24-3526

IBM SYSTEM/360 MODEL 25 INTEGRATED COMMUNICATIONS ATTACHMENT FEATURE

This reference publication describes the operation of the Integrated Communications Attachment feature for the IBM System/360 Model 25. Included is a general description of the feature and its common controls. Also included are the communications facilities that can be used with the Integrated Communications Attachment (ICA) and the remote terminals and processors that may be serviced by the ICA. Configuration limitations, overrun considerations, and the effects on multiplexer channel data rates are also presented.

Systems Reference Library Manual, 120 pages

GA24-3547

IBM SYSTEM/360 MODEL 25, HIGH-SPEED CHANNEL-3414 ATTACHMENT FEATURE REQ E69109

This publication describes the operation of the 2314 attachment feature used with the IBM System/360 Model 25. Programming and operating information is provided in the form of instruction timing, error indications, and CPU indicators as applicable to high-speed channel operation.

Systems Reference Library manual, 12 pages

GA24-3538

IBM SYSTEM/360 MODEL 25 CHANNEL CHARACTERISTICS AND FUNCTIONAL EVALUATION

This reference publication describes methods used to calculate IBM System/360 Model 25 data-handling capabilities that are dependent upon I/O-channel configurations and operations. Also presented are considerations of methods for:

1. Priority attachment of I/O units for maximum throughput.
2. Addressing I/O units.
3. Calculating buffer transfer times.
4. Calculating interference (with the processing unit) caused by channel operations.

Calculations for an IBM System/360 Model 25 with a selector interface and with a multiplexer interface are discussed.

Systems Reference Library Manual, 52 pages

GA24-3550

IBM 3215 CONSOLE PRINTER-KEYBOARD COMPONENT DESCRIPTION

This reference publication describes the functions and operation of the IBM 3215 Console Printer-Keyboard. This information is intended for those planning for and operating an IBM System/370 Models 135, 145, and 155. Presented are the printing method, control keys and lights, functional timing, forms controls and specifications, and make-ready procedures.

For system operation (including programming and operating procedures), refer to the IBM System/360 and System/370 Bibliography (GA22-6822), for the Functional Characteristics and Operating Procedures manuals for the particular system and model.

Manual, 8-1/2 x 11 inches, 18 pages

GA24-3551

IBM 2956-5 MULTI-POCKET MCR READER SORTER CUSTOM UNIT DESCRIPTION: RPQ W19976

This publication provides an introduction to the 2956-5 Multi-Pocket Reader Sorter. General information on operating controls and procedures is presented only in the areas that are different from the IBM 1419 Magnetic Character Reader. Command-byte structure and sense indications are provided for programmer use. For additional information, refer to the IBM 1219 READER SORTER, IBM 1419 MAGNETIC CHARACTER READER, GA24-1499.

Systems Reference Library Manual, 20 pages

GA24-3542

IBM 1255 MAGNETIC CHARACTER READER MODELS 1, 2, AND 3 COMPONENT DESCRIPTION

This publication contains information describing the purpose, function, and operation of the reader/sorter for bank management, IBM sales representatives, systems engineers, and customer engineers. For machine operators it contains operating, recovery, and jam removal procedures.

Component Description, 64 pages

GA24-3552

IBM 3210 CONSOLE PRINTER-KEYBOARDS

This publication describes the physical and functional characteristics of the IBM 3210 Console Printer-Keyboards. The purpose of each of the control keys and indicator lights supplementing the keyboard is included.

For additional information on forms specifications, refer to FORM-DESIGN CONSIDERATIONS--SYSTEM PRINTERS, GA24-3488.

For additional information on 3210 operating procedures, refer to IBM SYSTEM/370 MODEL 145 OPERATING PROCEDURES, GA24-3554.

Component Description Manual, 12 pages

GA24-3543

IBM 3211 PRINTER 3216 INTERCHANGEABLE TRAIN CARTRIDGE AND 3811 PRINTER CONTROL UNIT COMPONENT DESCRIPTION AND OPERATOR'S GUIDE

This manual provides reference information and operating procedures for the IBM 3211 Printer, 3216 Interchangeable Train Cartridge and 3811 Printer Control Unit.

The 3211 Printer, 3216 Interchangeable Train Cartridge and 3811 Printer Control Unit comprise a high-speed printer subsystem for attachment to System/360 and System/370 Data Processing Systems via the System/360 Standard I/O Interface. This reference publication is intended for:

- o System planners who require information about features, character sets, subsystem performance, forms and ribbons.
- o System programmers who use printer commands, status and sense information and error-recovery procedures.
- o Operators who perform basic set up, operating and error-recovery procedures.

A basic knowledge of System/360 is assumed. The manual is organized into three parts:

- o Subsystem components describes the subsystem features, available character sets and performance characteristics.
- o Programming information describes valid subsystem commands and available status and sense bytes, and provides buffer loading and suggested error-recovery procedures.
- o Operating information describes the subsystem keys, indicators and controls and provides procedures for initial set up, running, and error-recovery.

Appendixes contain reference information, such as EBCDIC chart, for all users.

Form Design Reference Guide for Printers, GA24-3488, is referenced from this publication for detailed forms requirements information.

General information about related System/360-370 operation can be found in System/360 Principles of Operation GA22-6821, System/370 Principles of Operation, GA22-7000, and System/360 and System/370 I/O Interface Channel to Control Unit Original Equipment Manufacturers Information, GA22-6974.

GA24-3557

IBM SYSTEM/370 MODEL 145 FUNCTIONAL CHARACTERISTICS

This publication describes the relationship of the Model 145 to other System/370 models and to System/360. Included is information concerning the system features and capabilities, console file, input/output channels, integrated file adapter, OS/DOS compatibility, IBM 1401, 1440, 1460, 1410, and 7010 emulation features, console printer-keyboard, additional instructions, and instruction timings.

The following IBM manuals offer information to assist the reader:

- SYSTEM/370 MODEL 145 OPERATING PROCEDURES, GA24-3554.
- SYSTEM/370 PRINCIPLES OF OPERATION, GA22-7000.
- SYSTEM/370 SYSTEM SUMMARY, GA22-7001.
- SYSTEM/370 INPUT/OUTPUT CONFIGURATOR, GA22-7002.
- SYSTEM/360/370 BIBLIOGRAPHY, GA22-6822.
- SYSTEM/360 PRINCIPLES OF OPERATION, GA22-6821.
- SYSTEM/360 COMPONENT DESCRIPTIONS,
- IBM 2314 DIRECT ACCESS STORAGE FACILITY AND
- IBM 2844 AUXILIARY STORAGE CONTROL, GA26-3599.
- SYSTEM/360 I/O INTERFACE - CHANNEL TO CONTROL UNIT ORIGINAL EQUIPMENT MANUFACTURERS' INFORMATION, GA22-6843.
- SYSTEM/360 DIRECT CONTROL AND EXTERNAL INTERRUPT FEATURE, ORIGINAL EQUIPMENT MANUFACTURERS' INFORMATION, GA22-6845.
- SYSTEM/360 OS PROGRAM PLANNING GUIDE FOR THE DOS EMULATOR ON THE SYSTEM/370, GC24-5076.

3210 CONSOLE PRINTER-KEYBOARD MODEL 2 COMPONENT DESCRIPTION, GA24-3552.

3215 CONSOLE PRINTER-KEYBOARD MODEL 1 COMPONENT

DESCRIPTION, GA24-3550.

FORMS DESIGN CONSIDERATIONS--SYSTEM PRINTERS, GA24-3488.
Manual, 84 pages, 8-1/2 x 11

GA24-3561

IBM 1925 MODEL 18 INTERFACE SWITCH UNIT RPO 811301
INSTALLATION MANUAL--PHYSICAL PLANNING
This publication provides physical planning information for the IBM 1925 Model 18 Interface Switch Unit used with the IBM System/360 and the IBM System/370. Included are physical specifications and cable, electrical, and environmental requirements.

For a list of related publications and abstracts, see the IBM SYSTEM/360 AND SYSTEM/370 BIBLIOGRAPHY, GA22-6822. Installation Planning Guide, 8-1/2 x 11 inches, 8 pages

GA24-3562

IBM 1925 MODEL 14 INTERFACE SWITCH UNIT RPO 811503
INSTALLATION MANUAL--PHYSICAL PLANNING
This publication provides physical planning information for the IBM 1925 Model 14 Interface Switch Unit used with the IBM System/360 and the IBM System/370. Included are physical specifications and cable, electrical, and environmental requirements.

For a list of related publications and abstracts, see the IBM SYSTEM/360 AND SYSTEM/370 BIBLIOGRAPHY, GA22-6822. Installation Planning Guide, 8-1/2 x 11 inches, 8 pages

GA24-3564

IBM SYSTEM/360 MODEL 30 STORAGE EXPANSION FEATURE MANUAL: RPO'S EA3807, EA1527; OR RPO'S Y91283 AND Y91325 (WORD TRADE)
This reference publication contains information for the system analyst, system programmer, and system operator about the Storage Expansion feature for the IBM System/360 Model 30. The Storage Expansion feature increases the Model 30 program storage size from 64K bytes (65,536 bytes) to 96K bytes (98,304 bytes). Contents of this publication include:

- Description of the Storage Expansion feature, its prerequisites, and limitations of other features
- Description of the changes the feature makes to the Model 30 in the areas of:
 - Instruction timing
 - Local storage
 - Multiplexer channel UCN's
 - Channel characteristics
 - Console panel and operations

This manual is used as a supplement to the following System/360 publications:

- IBM System/360 Model 30 functional characteristics (GA24-3231)
- IBM SYSTEM/360 MODEL 30 OPERATING GUIDE (GA24-3373) Manual, 20 pages

GA24-3566

IBM 1972 MODEL 3 PRODUCTION TERMINAL
IBM 1972 MODEL 4 INSTRUCTION CONSOLE INSTALLATION MANUAL
PHYSICAL PLANNING COMPONENT DESCRIPTION
This manual contains physical planning information and component descriptions for the IBM 1972 Model 3 Production Terminal and the IBM 1972 Model 4 Instruction Console. The specific topics covered include:

- o Power Requirements
- o Environmental Considerations
- o Interface Considerations
- o Floor Area and Loading Considerations
- o Servicing and Access Requirements
- o Safety Considerations
- o Transportation Requirements
- o Physical Characteristics

The manual is intended to assist users in their work station production planning and in preparation of installation areas prior to delivery of the units. Physical Planning, Component Description Manual

GA24-3572

IBM SYSTEM/360 MODEL 22 FUNCTIONAL CHARACTERISTICS SYSTEMS MANUAL
This reference publication is intended for use by systems analysts or personnel involved in planning system configurations. The publication presents an introduction to some of the important IBM System/360 concepts and terminology as they are related to the Model 22. The concepts include program status words, supervisor program, and interrupts related to input/output operations. It also includes information on input/output channels, unit addressing, unit priorities on the channels, instruction timings, and 1052 Printer-Keyboard characteristics. The reader can find a more detailed description of System/360 operations in IBM System/360 Principles of Operation (GA24-6822). The interrelationships of the models and units available with System/360 are broadly described in IBM/360 System Summary (GA24-6810). Other related literature is listed by order reference number and briefly described in IBM System/360 Bibliography (GA22-6822).

Information on channel load limits for IBM System/360 Model 22 is given in IBM System/360 Model 22 Channel Characteristics and Functional Evaluation (GA24-3579). Manual, 8-1/2 x 11 inches, 44 pages

GA24-3573

IBM SYSTEM/370 MODEL 145 CHANNEL CHARACTERISTICS
This publication describes methods used to calculate System/370 Model 145 data-handling capabilities that are dependent upon I/O-channel configurations and operations. Considerations of methods are also presented for priority attachment of I/O devices for maximum throughput.

Information related to specific I/O devices is in separate Systems Reference Library publications. These publications are listed by order number and briefly described in IBM SYSTEM/360 AND SYSTEM/370 BIBLIOGRAPHY (GA22-6822).

This manual is intended for users at the system programmer level; it assumes a thorough background in I/O programming techniques. Manual, 72 pages

GA24-3574

IBM SYSTEM/360 MODEL 22 OPERATOR'S GUIDE
This manual contains reference material and operating procedures required to operate the IBM System/360 Model 22 Processing Unit and the Integrated 1052 Printer-Keyboard.

The intended audience is an operator who is assumed to have a basic knowledge of System/360.

The first section describes lights, switches, and keys on the console in detail. The second section contains the general operating procedures needed by the operator to run the system. Thirdly, a section is provided for normal printer-keyboard operation.

Order numbers for manuals containing operating procedures for individual input/output devices can be found in the IBM System/360 Bibliography, GA22-6822. Manual, 40 pages

GA24-3579

IBM SYSTEM/360 MODEL 22 CHANNEL CHARACTERISTICS AND FUNCTIONAL EVALUATION - SYSTEMS LIBRARY MANUAL
This reference publication describes methods used to calculate System/360 Model 22 data-handling capabilities that are dependent upon I/O channel configurations and operations. Consideration of methods are also presented for:

- o Priority I/O-unit attachment for maximum throughput
- o Addressing I/O devices
- o Calculating buffer transfer times
- o Calculating interference (with the processing unit) caused by channel operations.

This publication is intended for use by persons calculating the channel loads for a Model 22. The user should have an understanding of mathematics and be thoroughly familiar with I/O programming considerations as described in IBM System/360 Principles of Operation (GA22-6821). Information related to specific I/O devices is contained in separate publications listed in IBM System/360 and System/370 Bibliography (GA22-6822).

When performing loading calculations related to the multiplexer channel operating in multiplex mode, the Multiplexer Channel Worksheet is used. If the IBM 2702 Communications Control is involved, the 2702 Worksheet is used. Reproducible copies of these worksheets are located in an appendix to this publication. Manual, 68 pages

GA24-3590

IBM 1972 MODEL 3 PRODUCTION TERMINAL 1972 MODEL 4 INSTRUCTION CONSOLE OPERATOR'S GUIDE
This manual contains information for operating the IBM 1972 Model 3 Production Terminal and the IBM 1972 Model 4 Instruction Console. The specific operating information includes:

- o Functional description of operating controls
- o Information on preparing, programming, punching, and splicing perforated tapes
- o Instructions for loading perforated tape in production terminal and for operating the production terminal.

This information is presented to aid the user in the operation of the production terminal and the instruction console and in the preparation of perforated tapes for use on the production terminal. Operator's Guide 8-1/2 x 11 inches, 34 pages

GA24-3594

IBM EMULATOR FOR RCA 301 ON SYSTEM/370 USING DOS AND DOS/VS PLANNING GUIDE - PROGRAM NUMBER 5799-ADR
This publication describes the IBM Emulator for RCA 301, an integrated emulator program, for the IBM System/370 Models 135 and 145. Also provided are introductory and planning information for management and planning personnel.

The emulator is a problem program that operates in either a batched-job foreground or the background partition under control of the IBM Disk Operating System (DOS) or the IBM Disk Operating System/Virtual Storage (DOS/VS). The

emulator uses the System/370 standard instruction set, the RCA 301 Compatibility feature, and the data management facilities of DOS and DOS/VS to emulate the RCA 301 processor unit, input/output, and console operations. Publications useful as reference material are:

IBM System/360 Principles of Operation, Order No. GA22-6821.
IBM System/370 Principles of Operation, Order No. GA22-7000.

For information about the Disk Operating System, refer to: System/360 and System/370 Bibliography, Order No. GA22-6822.
Manual, 28 pages

GA24-3595

IBM EMULATOR FOR HONEYWELL SERIES 200 ON SYSTEM/370 USING DOS AND DOS/VS (PRPQ): PLANNING GUIDE, PROG. NO. 5799-ADT
This publication describes the IBM Emulator for Honeywell Series 200, an integrated emulator program, for the IBM System/370 Models 135 and 145. This publication also provides introductory and planning information for management and planning personnel.

The emulator is a problem program that operates in either a batched-job foreground or the background partition under control of the IBM Disk Operating System (DOS), or the IBM Disk Operating System/Virtual Storage (DOS/VS). The emulator uses the System/370 standard instruction set, a Honeywell Series 200 Compatibility feature, and the data management facilities of DOS or DOS/VS to emulate the Honeywell Series 200 processor unit, input/output, and console operations.

Publications useful as reference material are:
IBM System/360 Principles of Operation, Order No. GA22-6821.
IBM System/370 Principles of Operation, Order No. GA22-7000.

For information about the Disk Operating System, refer to: System/360 and System/370 Bibliography, Order No. GA22-6822.
Manual, 28 pages

GA24-3602

IBM 3890 DOCUMENT PROCESSOR - GENERAL INFORMATION
The IBM 3890 Document Processor is a high-speed, high-volume reader-sorter of magnetically inscribed documents. Features are tailored to the requirements of check processing applications. The IBM 3890 attaches, via the byte or block-multiplexer channel, to a System/370 Model 135, 145, 155II, 158, 165II, or 168 (and asymmetrically to Models 158MP or 168MP). The 3890 can also be used offline for document sorting.

This publication is an introduction to the 3890 for persons doing systems analysis or having an interest in machine characteristics and operation. The reader is assumed to have an understanding of bank data processing. Included are general descriptions of basic and special features, data flow, operating principles, programming support, sorting techniques, operating controls, and the IBM Diskette.

For related publications, refer to the IBM System/360 and System/370 Bibliography, Order No. GA22-6822.
Manual, 32 pages

GA24-3604

EMULATOR FOR HONEYWELL SERIES 200 ON SYSTEM/370 USING DOS SYSTEM LIBRARY MANUAL - RPO NUMBER 5799-ADT
This publication describes the IBM Emulator for Honeywell Series 200, an integrated emulator program, for IBM System/370 Models 135 and 145. It provides planning, implementation, and operating information for managers, programmers, and operators.

The emulator is a problem program that operates in either a batched-job foreground or the background partition under control of the IBM Disk Operating System (DOS). The emulator uses the System/370 standard instruction set, the Honeywell Series 200 Compatibility Feature, and the data management facilities of DOS to emulate the Honeywell Series 200 processor unit, input/output, and console operations.
Manual, 50 pages

GA24-3605

IBM EMULATOR MANUAL FOR RCA 301 ON SYSTEM/370 USING DOS - PROGRAM NUMBER 5799-ADR
No abstract available.
Manual, 108 pages

GA26-1582

IBM 2973 MODEL 2 FILE SWITCH INSTALLATION MANUAL - PHYSICAL PLANNING RPO F13209
This publication provides physical planning information for the IBM 2973 Model 2 File Switch when used with IBM System/360. Included are physical specifications and cable, electrical, and environmental requirements.

The following publications provide additional information for System/360 physical planning.
IBM SYSTEM/360 INSTALLATION MANUAL - PHYSICAL PLANNING, Order Number GC22-6820
IBM SYSTEM/360 INSTALLATION MANUAL WORLD TRADE 50 Cycle - Physical Planning Requirements, Order Number

GC19-0001.

Systems Reference Library Manual, 8 pages

GA26-1583

IBM SYSTEM/360 CUSTOM FEATURE DESCRIPTION - 2973 MODEL 2 FILE SWITCH RPO F13209

This publication contains reference information for the operation and programming of storage devices that attach to the IBM 2973 Model 2 File Switch. In addition, it contains a list of prerequisite RPO's and special features necessary for the attachment of a 2973 Model 2 to a System/360.

The following System Reference Library publications provide detailed System/360 programming information applicable to the 2973 Model 2 operations:
IBM System/360 Principles of Operation, (GA22-6821)
IBM SYSTEM/360 COMPONENT DESCRIPTIONS - DASD FOR 2841, Order Number GA26-5988
IBM SYSTEM/360 MODEL 25 FUNCTIONAL CHARACTERISTICS, Order Number GA24-3510
Systems Reference Library Manual, 12 pages

GA26-1589

COMPONENT SUMMARY-2835 STORAGE CONTROL 2305 FIXED HEAD STORAGE

The 2835 Storage Control and 2305 Fixed Head Storage Module form a large capacity, high speed direct access storage facility for general purpose data storage and system residence. It attaches to the central processing unit through a block multiplexor channel, and operates under direct program control of the CPU.

For experienced programmers, this manual provides readily-accessible reference material related to channel command words, sense bytes, track format, track capacities, and error recovery.

Less experienced programmers will find sufficient information to create channel programs to best utilize the standard and special features of the facility.

A complete description of the switches and indicators is provided for systems installation operators.

Programmers should be familiar with the information contained in IBM System/360 Principles of Operation, Order Number GA22-6821 and IBM System/370 Principles of Operation Order Number GA22-7000. Operators should be familiar with the material presented in the system summary for the parent system.
Component Summary, 20 pages

GA26-1592

REFERENCE MANUAL FOR IBM 3830 STORAGE CONTROL AND IBM 3330 DISK STORAGE

For experienced programmers, this manual provides readily accessible reference material related to channel command words, sense bytes, track format, track capacities, and error recovery. Less experienced programmers will find sufficient information to create channel programs to best utilize the standard and special features of the 3830/3330 facility. A complete description of the switches and indicators, and procedures for loading and unloading disk packs is provided for systems installation operators.

Programmers should be familiar with the information contained in IBM System/360 Principles of Operation, Order No. GA22-0621, and IBM System/370 Principles of Operation, Order No. GA22-7000. Operators should be familiar with the material presented in the system summary for the parent system. Order numbers for system summary and other related publications can be found in IBM System/360 and System/370 Bibliography, Order No. GA22-6822.
Manual, 100 pages

GA26-1593

IBM 2968 MODEL 11 AUDIO/VISUAL CONTROL: COMPONENT DESCRIPTION AND OPERATING PROCEDURES RPO F30209

This manual explains the characteristics, functions, features, physical planning, and operating procedures for the IBM 2968 Model 11 Audio/Visual Control. The manual also describes the various types of equipment and configurations for an audio/visual presentation, the preparation of the slides for the projector, the preparation of audio tape for the tape recorder, and guidelines for selecting a viewing screen for the projector.

A basic knowledge of the IBM 2740 Communications Terminal is assumed.
Systems Reference Library Manual, 36 pages

GA26-1599

IBM 2730 MODEL 1 TRANSACTION VALIDATION TERMINAL, IBM 2968 MODEL 9 AND MODEL 12 RECEIVER-TERMINAL CONTROL UNIT
The IBM 2730 Model 1 Transaction Validation Terminal, IBM 2968 Model 9 and IBM 2968 Model 12 Receiver-Terminal Control Unit are part of an on-line credit authorization system. This manual describes the function of these devices in the system configuration, and provides typical operating procedures for the 2730 Model 1 and its acoustic coupler. The Appendix contains specifications for magnetic stripe credit cards.

A basic knowledge of data processing, including teleprocessing, is required to understand the material

presented in this manual.
Manual, 16 pages

GA26-1600

2730 MODEL 1, 2968 MODEL 9, AND 2968 MODEL 12: INSTALLATION MANUAL - PHYSICAL PLANNING
This publication provides physical planning information for the IBM 2730-1 transaction Validation Terminal, IBM 2968-9 Receiver-Terminal Control Unit (RPQ 831624), and IBM 2968-12 Receiver-Terminal Control Unit (RPQ 834654). Included are physical specifications and cable, electrical, and environmental requirements.
Manual, 8-1/2 x 11 inches, 12 pages

GA26-1606

IBM 2319 DISK STORAGE - A-SERIES, COMPONENT DESCRIPTION
This manual contains basic information about the IBM 2319 Disk Storage Models A1 and A2. Model A1 is designed for attachment to IBM System/370 via the Integrated File Adapter (IFA) feature.
The IBM 2319 Models B1 and B2 are described in the publication IBM SYSTEM/360 COMPONENT DESCRIPTIONS--2314 DIRECT ACCESS STORAGE FACILITY AND 2844 AUXILIARY STORAGE CONTROL, Order No. GA26-3599, with which the reader should be familiar.
Systems Reference Library Manual, 30 pages

GA26-1615

INTRODUCTION IBM 3330 A-SERIES DISK STORAGE - SYSTEM LIBRARY MANUAL *N
This manual is intended for readers having prior knowledge of direct access storage devices and concepts. Major topics are: standard and special features, I/O operations, and operators panel.
Manual, 14 pages

GA26-1617

INTRODUCTION IBM 3830 MODEL 2 STORAGE CONTROL UNIT - SYSTEM LIBRARY MANUAL *N
This manual is intended for readers having prior knowledge of direct access storage devices and concepts. Major topics are: standard and special features, I/O operations, and the operator panel.
Manual, 12 pages

GA26-1619

IBM 3340 COMPONENT SUMMARY *N
This manual is intended to familiarize experienced data processing personnel with the characteristics of the IBM 3340 Disk Storage. (The reader should have prior knowledge of direct-access storage devices and concepts.)
It lists functional characteristics and discusses record format, capacity, and timing characteristics. It also lists all commands executed by the 3340 and suggested operating instructions.
Manual, 14 pages

GA26-1620

REFERENCE MANUAL FOR IBM 3830 MODEL 2 STORAGE CONTROL UNIT *N
This manual is intended primarily for programmers and operators. It provides reference material on channel command words, sense bytes, error recovery procedures, special features, operator controls, and the usage meter.
Manual, 90 pages

GA26-1621

INSTALLATION MANUAL PHYSICAL PLANNING IBM 2984 MODEL 1 CASH ISSUING TERMINAL RPQ 834660 *N
This manual contains technical information, recommendations, and suggestions to be used in installing the IBM 2984-1 Cash Issuing Terminal. Included are physical specifications, cable, electrical, and environmental requirements. The customer should arrange for professional assistance in planning his installation, if necessary, to ensure that local and national codes are met.
It is assumed that the customer has both a system (CPU) and a transmission control unit (2701, 2703, or equivalent) either installed or to be installed.
The following publications provide necessary additional information:
o IBM System/360 Installation Manual Physical Planning, GC22-6820
o IBM System/370 Installation Manual Physical Planning, GA22-7004
Manual, 8 pages

GA26-1622

OPERATOR AND PROGRAMMING GUIDE FOR IBM 2984-1 CASH ISSUING TERMINAL, RPQ 834660 *N
The IBM 2984 Model 1 Cash Issuing Terminal (RPQ834660) is an online self-service banking terminal. This manual describes:
o The function of the terminal within a system.
o Customer operating procedures.
o Bank responsibilities and operating procedures.
o Programming considerations related to the 2984-1.

- o Magnetic stripe credit card specifications.
- o Message encoding.

Programmers using this manual are required to understand the information presented in the following publications:

- o General Information - Binary Synchronous Communications, Order Number GA27-3004
- o IBM 2701 Data Adapter Unit Component Description, Order Number GA22-6864
- o IBM 2703 Transmission Control Component Description, Order Number GA27-2703
- o IBM 3270 Information Display System Component Description, Order Number GA27-2749

or the System Library manual applicable to the specific transmission control unit being used to communicate with the 2984-1.

Bank tellers or other personnel using the manual for terminal operation and maintenance do not need related publications or previous training to understand the operating procedures described in this manual.
Manual, 30 pages

GA26-3599

IBM SYSTEM/360 COMPONENT DESCRIPTIONS - 2314 DIRECT ACCESS STORAGE FACILITY AND 2844 AUXILIARY STORAGE CONTROL
This publication describes the IBM 2314 Direct Access Storage Facility and the IBM 2844 Auxiliary Storage Control, and presents functional and operating characteristics for these devices. Capacities, timing considerations, commands, operating procedures, and sense and status information are described. The user of this publication should be thoroughly familiar with the I/O programming considerations described in IBM System/360 Principles of Operation, Order Number GA22-6821.
Systems Reference Library Manual, 76 pages

GA26-3633

DATA CELL HANDLING GUIDE
This manual provides suggested operating and handling procedures for the IBM 3021 Data Cell used with the IBM 2321 Data Cell Drive.
Systems Reference Library Manual, 20 pages

GA26-3699

IBM 1971-1980 CUSTOM TERMINAL FUNCTIONAL CHARACTERISTICS, OPERATING PROCEDURES, AND PHYSICAL PLANNING
This manual describes the operations, controls, and special features of the IBM 1971 Buffered Terminal Control (Models 30 and 35) and the IBM 1980 Buffered Terminal (Models 9 and 12). The communications facilities that can be used with this Tele-processing terminal are described. Appendixes, containing the physical planning specifications, RPQ numbers, a glossary of terms, and general typewriter maintenance, are provided.
Manual, 52 pages

GA26-4187

DISKETTE HANDLING PROCEDURES *N
This publication is a guide for handling, loading, and unloading the IBM Diskette, a flexible magnetic disk cartridge used in the IBM 33FD Disk Storage Unit. Also included are storage and shipping recommendations.
It is primarily intended for inexperienced operators of the IBM 33FD Disk Storage Unit.
Manual, 10 pages

GA26-5714

IBM 2314/2844 MULTIPLEX STORAGE CONTROL FEATURE - AIRLINES BUFFER
This publication describes the IBM 2314/2844 Multiplex Storage Control Feature (RPQ number 850001). This feature allows the 2314/2844 to operate in its basic mode or in multiplex mode. This publication describes all of the commands and operations that can be performed in multiplex mode. For a description of 2314/2844 basic mode operations, refer to the Systems Reference Library publication IBM SYSTEM/360 COMPONENT DESCRIPTIONS -- 2314 DIRECT ACCESS STORAGE FACILITY and 2844 Auxiliary Storage Control (Order Number GA26-3599).
Systems Reference Library Manual, 56 pages

GA26-5756

IBM DISK PACK AND CARTRIDGE HANDLING PROCEDURES
This manual is a guide for handling IBM Disk Packs and cartridges. Included are procedures for shipping and receiving, installation and removal, labeling of disks and cartridges and general operating procedures.
The information contained in this manual applies to IBM 1316, 2316, and 3336 Disk Packs, and 2315 Disk Cartridges.
Manual, 16 pages

GA26-5988

IBM SYSTEM/360 COMPONENT DESCRIPTIONS--2841 AND ASSOCIATED DASD
2311 DISK STORAGE DRIVE MODEL 1, 2321 DATA CELL DRIVE, 2303 DRUM STORAGE

This publication contains reference information for the operation and programming of storage devices which attach to the IBM 2841 Storage Control. These storage devices include the IBM 2311 Disk Storage Drive, Model 1; the IBM 2302 Disk Storage, Models 3 and 4; and IBM 2321 Data Cell Drive; and the IBM 2303 Drum Storage. Manual, 64 pages

GA26-5993

IBM SYSTEM/360 CUSTOM FEATURE, 2972 LINE CONTROL UNIT, MODEL 1

This publication presents a description of the operation of the IBM 2972 Line Control Unit, Model 1. A sample configuration and a description of operation sequence are included.

Systems Reference Library Manual, 12 pages

GA27-2700

IBM SYSTEM/360 COMPONENT DESCRIPTION: IBM 2260 DISPLAY STATION IBM 2848 DISPLAY CONTROL

This manual describes the functional and operating characteristics of the IBM 2260 Display Station and the IBM 2848 Display Control Unit.

The reader needs a general understanding of computers and their applications; however, knowledge of teleprocessing principles and programs is required by those who install communications terminals.

Systems Reference Library, 84 pages

GA27-2701

IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2250 DISPLAY UNIT MODEL 1

This publication contains detailed information on programming, operation, and special features of the IBM 2250 Display Unit Model 1. The material is presented with the assumption that the reader has read the IBM SYSTEM/360 Principles of Operation Manual, Order Number GA22-6821.

Systems Reference Library Manual, 44 pages

GA27-2702

IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2250 DISPLAY UNIT MODEL 2 IBM 2840 DISPLAY CONTROL MODEL 1

This document presents detailed information about IBM 2250 Display Unit Model 2/IBM 2840 Display Control Model 1 programming, operation, and special features. The material is presented with the assumption that the reader has read the IBM System/360 Principles of Operation Manual, Order Number GA22-6821.

Systems Reference Library Manual, 52 pages

GA27-2703

IBM 2703 TRANSMISSION CONTROL COMPONENT DESCRIPTION

This publication provides a detailed description of the capabilities, features, and communication facilities required for the IBM 2703 Transmission Control Unit. The capabilities of the unit are grouped by: start-stop capabilities; and binary-synchronous capabilities. All items of a general nature are discussed in the section, "Detailed Description of Operations".

The operator's controls and a detailed description of the communication facilities to which the 2703 can be attached are contained in the Appendix. System Reference Library Manual, 78 pages

GA27-2704

IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2711 LINE ADAPTER UNIT

This manual describes the operation of the IBM 2711 Line Adapter Unit. Included is a general description of the 2711, the line adapters that can be contained in a 2711, the communication facilities that can be used with the 2711, and the operator tests that can be performed to isolate equipment malfunctions.

Systems Reference Library Manual, 12 pages

GA27-2710

IBM 7772 AUDIO RESPONSE UNIT VOCABULARY

This publication contains a complete listing of the 7772 vocabulary.

Systems Reference Library Manual, 8 pages

GA27-2711

IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 7772 AUDIO RESPONSE UNIT

This manual describes the functional and operational characteristics of the IBM 7772 Audio Response Unit. Topics include vocabulary selection, system attachment considerations, communications requirements, and programming considerations.

Systems Reference Library Manual, 32 pages

GA27-2712

COMPONENT DESCRIPTION: IBM 7770 AUDIO RESPONSE UNIT MODEL 3

This publication describes the functional and operational characteristics of the IBM 7770 Audio Response Unit (Models 3). Topics discussed include vocabulary selection, communications requirements, system attachment considerations, and programming considerations. Systems Reference Library Manual, 48 pages

GA27-2713

IBM SYSTEM/360 MODEL 67 CONFIGURATOR

This publication presents a graphic representation of IBM System/360 MODELS 67-1 AND 67-2. Attachment capabilities and standard and special feature capabilities are noted. The material in this publication is presented with the assumption that the reader has knowledge of System/360 and of the Model 67, as defined in the IBM System/360 Model 67 functional characteristics, (GA27-2719), the IBM System/360 Principles of Operation, (GA22-6821), and the IBM System/360 System Summary, (GA22-6810).

System Reference Library Manual, 1 page

GA27-2715

IBM SYSTEM/360 SPECIAL FEATURE DESCRIPTION 709/7040/7044/7090/7094/7094 II COMPATIBILITY FEATURE FOR SYSTEM/360 MODELS 65 AND 67

This publication contains information about the IBM 7090 Compatibility Feature (#7119). The Compatibility Feature adds interpretive facilities to IBM System/360 Models 65 and 67 for use by the IBM 7090 Emulator Program. The combination of the feature and the program, referred to as the 7090 Emulator, allows execution on IBM System/360 Models 65 and 67 of programs written for the IBM 709, 7040, 7044, 7090, 7094, and 7094II.

Systems Reference Library Manual, 58 pages

GA27-2716

IBM SYSTEM/360 SPECIAL FEATURE DESCRIPTION 7080 COMPATIBILITY FEATURE FOR SYSTEM/360 MODEL 65

This publication presents a detailed description of the IBM 7080 Compatibility Feature #7118. The Compatibility Feature adds interpretive facilities to System/360 for use by the IBM 7080 Emulator Program, Program No. 360C-EU-727. This combination of feature and program, referred to as the IBM 7080 Emulator, permits an IBM System/360 Model 65 to execute programs written for an IBM 7080 Data Processing System.

Systems Reference Library Manual, 44 pages

GA27-2717

IBM SYSTEM/360 SPECIAL FEATURE DESCRIPTION 7074 COMPATIBILITY FEATURE FOR SYSTEM/360 MODELS 50 AND 65

This publication contains information about the IBM 7070/7074 Compatibility Feature. The Compatibility Feature adds interpretive facilities to System/360 Model 50 or 65 for use by the IBM 7074 emulator program. The combination of the feature and the program, referred to as the 7074 Emulator, allows execution on IBM System/360 Models 50 and 65 of programs written for the IBM 7070 and 7074.

Systems Reference Library Manual, 40 pages

GA27-2719

IBM SYSTEM/360 MODEL 67 FUNCTIONAL CHARACTERISTICS

This publication contains detailed information on the organization, characteristics, features, and functions unique to the IBM System/360 Model 67 Time Sharing System. Major areas described include time-sharing philosophy, system structure, new units, generalized information flow, standard and special features, instruction timings, and the system control panel.

Descriptions of specific input/output devices used with the Model 67 appear in separate publications. See the IBM System/360 Bibliography, (GA22-6822) for a listing and a brief description of these publications.

The material in this publication is presented with the assumption that the reader has knowledge of System/360 as defined in the IBM System/360 Principles of Operation, GA22-6821 and the IBM System/360 System Summary GA22-6810, A22-6810.

Systems Reference Library Manual, 66 pages

GA27-2721

IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2250 DISPLAY UNIT MODEL 3 IBM 2840 DISPLAY CONTROL MODEL 2

This document presents detailed information about IBM 2250 Display Unit Model 3/IBM 2840 Display Control Model 2 programming, operation, and special features. The material is presented with the assumption that the reader has read the IBM System/360 Principles of Operation Manual, Order Number GA22-6821.

Systems Reference Library Manual, 70 pages

GA27-2724

IBM SYSTEM/360 CUSTOM SYSTEMS UNIT 2916 LONG LINE ADAPTER, MODELS 3 AND 4 INSTALLATION BULLETIN - PHYSICAL PLANNING

This bulletin contains all the necessary physical planning data required for the installation of the unit described.

If the unit is to be installed in conjunction with a computer system, the specifications of the most critical unit must be met. The data follows the same format and utilizes the same standardized symbols as used in the IBM System/360 Installation Manual - Physical Planning, Order Number GC22-6820.
Systems Reference Library Manual, 4 pages

GA27-2725

IBM 50 MAGNETIC DATA INSCRIBER COMPONENT DESCRIPTION
This manual describes the functional and operating characteristics of the IBM 50 Magnetic Data Inscriber. The IBM 50 Magnetic Data Inscriber is a key-operated device that records data on cartridge-contained magnetic tape. Each IBM 50 generated tape can be used as a data storage medium or as a vehicle for entering data into an IBM System/360, via the IBM 2495 Tape Cartridge Reader. In addition to its data recording capability, the IBM 50 can also be used to verify data stored on tapes generated on the same or other IBM 50's.
Systems Reference Library Manual, 28 pages

GA27-2726

IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2495 TAPE CARTRIDGE READER
This manual describes the functional and operating characteristics of the IBM 2495 Tape Cartridge Reader (TCR). The IBM 2495 TCR is used to transfer data stored on cartridge-contained 16mm magnetic tape to an IBM System/360. The TCR accepts cartridge tapes containing data generated on either the IBM 50 Magnetic Data Inscriber or the IBM Magnetic ape Selectric Typewriter System.
Systems Reference Library Manual, 12 pages

GA27-2727

IBM SYSTEM/360 CUSTOM SYSTEMS UNIT 2909 MODEL 3 - ASYNCHRONOUS DATA CHANNEL RPO F13299 RPO 882045 INSTALLATION BULLETIN-PHYSICAL PLANNING
This bulletin contains all the necessary physical planning data required for the installation of the unit described. If the unit is to be installed in conjunction with a computer system, the specifications of the most critical unit must be met. This bulletin utilizes the same format and standardized symbols contained in the IBM SYSTEM/360 Installation Manual - Physical Planning, Order Number GC22-6820
Systems Reference Library Manual, 6 pages

GA27-2728

IBM SYSTEM/360 MODEL 65 OPERATING PROCEDURES
This manual describes operator procedures for an IBM 2065 Processing Unit, operating with or without an associated IBM 1052 Printer-Keyboard. Also described are system control panel machine functions, machine procedures, program-oriented procedures, and operator-intervention procedures. An appendix of reference material and an index are included.

The reader is assumed to have a knowledge of the following SRL publications:
IBM System/360 Principles of Operation (GA22-6821). (sections on "System Structure" and "System Control Panel")

IBM SYSTEM/360 MODEL 65 FUNCTIONAL CHARACTERISTICS, Order Number GA22-6884.
IBM SYSTEM/360 TAPE OPERATING SYSTEM OPERATING GUIDE, Order Number GC24-5021
IBM SYSTEM/360 DISK OPERATING SYSTEM OPERATING GUIDE, Order Number GC24-5022
IBM SYSTEM/360 OPERATING SYSTEM OPERATOR'S GUIDE, Order Number GC28-6540

For information pertaining to the operation of I/O units that are attachable to the System/ 360 Model 65 refer to the appropriate SRL publication.
Systems Reference Library Manual, 46 pages

GA27-2729

IBM SYSTEM/360 CUSTOM SYSTEMS UNIT 2972 MODEL 7 SCIENTIFIC INTERFACE CONTROL UNIT RPO E46181 INSTALLATION BULLETIN - PHYSICAL PLANNING
This bulletin contains all the necessary physical planning data required for the installation of the unit described. If the unit is to be installed in conjunction with a computer system, the specifications of the most critical unit must be met. This bulletin utilizes the same format and standardized symbols contained in the IBM SYSTEM/360 Installation Manual - Physical Planning, Order Number GC22-6820
Systems Reference Library Manual, 4 pages

GA27-2730

COMPONENT DESCRIPTION IBM 2285 DISPLAY COPIER
This publication presents a functional description of, and operator procedures for, the IBM 2285 Display Copier. Each 2285 attaches directly to an IBM 2250 Display Unit Model 1, 3, or 4 that is equipped with an attachment feature. The 2285 provides an 8-1/2-by-11-inch paper copy output of the associated 2250 display upon initiation by the 2250 operator. The 2285 obtains analog signals and

power from the 2250 to which it is attached and requires no programming. The following publications may be of interest to the reader:

IBM SYSTEM/360 COMPONENT DESCRIPTION: IBM 2250 DISPLAY Unit Model 1, Order Number GA27-2701

IBM SYSTEM/360 COMPONENT DESCRIPTION: IBM 2250 DISPLAY UNIT MODEL 3, IBM 2840 DISPLAY CONTROL MODEL 2, Order Number GA27-2721

IBM 1130 SYSTEM COMPONENT DESCRIPTION: IBM 2250 DISPLAY Unit Model 4, Order Number GA27-2723.
Systems Reference Library Manual, 8 pages

GA27-2731

IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2265 DISPLAY STATION IBM 2845 DISPLAY CONTROL
This manual describes the functional and operating characteristics of the IBM 2265 Display Station and the IBM 2845 Display Control. The two units combine to form a display system that provides visual access to data stored in an IBM System/360.
Systems Reference Library Manual, 64 pages

GA27-2733

IBM SYSTEM/360 SPECIAL FEATURE DESCRIPTION 709/7090/7094/7094 II COMPATIBILITY FEATURE FOR IBM SYSTEM/360 MODEL 85
This publication contains information about the IBM 7094 Compatibility Feature (#7119). The Compatibility Feature adds interpretive facilities to IBM System/360 Model 85 for use by the IBM 7094 Emulator Program. The combination of the feature and the program, referred to as the 7094 Emulator, allows execution (on IBM System/360 Model 85) of programs written for the IBM 709, 7090, 7094, and 7094II.
System Reference Library Manual, 54 pages

GA27-2737

IBM 2909-3 ASYNCHRONOUS DATA CHANNEL RPO F13299 CUSTOM FEATURE DESCRIPTION
This manual describes the functional and operational characteristics of the 2909-3 Asynchronous Data Channel. Main Topics described include: instruction and command execution, programming operation, and subchannel attachment.

This publication is a reference manual for the programmer or systems engineer. Knowledge of IBM System/360 operations, particularly storage addressing, data formats, and machine instruction formats as explained in IBM SYSTEM/360 PRINCIPLES OF OPERATION SRL, Form GA22-6821, is a prerequisite to using this publication. Also needed are experience with programming concepts and techniques or completion of basic courses of instruction in these areas.
System Reference Library Manual, 38 pages

GA27-2739

AN INTRODUCTION TO THE IBM 3270 INFORMATION DISPLAY SYSTEM SYSTEM LIBRARY MANUAL

This publication provides customer executives, installation managers and planners, and IBM marketing representatives with planning information about the IBM 3270 Information Display System, which includes local and remote display stations and printers. The publication:

- o Describes the 3270 hardware (units, features, functional capabilities) and its programming support.
- o Outlines applications for alphanumeric displays and guidelines for conversion.
- o Gives data on human factors, installation planning, reliability, and performance.

This publication is primarily a planning aid and will be supplemented with reference documentation.

The current major revision incorporates descriptions of the following special features: Dial, IBM 600/1200 bps Line Adapter, IBM 600/1200 bps Line Adapter with auto answer, Switched Network Back capability, and 4800/7200 bps Transmission Speed.
Manual, 76 pages

GA27-2740

IBM 7412 MODEL 1 CONSOLE, CUSTOM SYSTEMS RPO AA2846, CUSTOM FEATURE DESCRIPTION
This reference manual describes the functional characteristics and features of the IBM 7412-1 Console with the IBM 3215-1 Console Printer-Keyboard. This publication is intended for System Analysts, Programmers, and Operators. Assumed is a background knowledge of the IBM System/360 and System/370, and of the I/O Interface.
Manual, 26 pages

GA27-2741

INSTALLATION BULLETIN PHYSICAL PLANNING FOR IBM 7412 CONSOLE MODEL 1 CUSTOM SYSTEMS RPO AA2846
This publication provides physical planning information for the IBM 7412-1 Console with the IBM 3215-1 Console Keyboard. Included are physical specifications and cable, electrical, and environmental requirements.
Manual, 2 pages

GA27-2742

OPERATOR'S GUIDE FOR IBM INFORMATION DISPLAY SYSTEMS SYSTEM LIBRARY MANUAL (IBM 3270)

Operator controls, indicators, and keys for all 3270 display station and printer models discussed in detail, along with typical operating and error-recovery procedures. Use of the operator identification card reader is also discussed. The manual's organization and layout are intended to aid the reader in learning to operate the display station and printer, and also to improve the retrievability of information for an operator using the guide as a reference source. Readers of this manual need no previous knowledge of computers, display stations, or data processing. Manual, 116 pages

GA27-2749

IBM 3270 INFORMATION DISPLAY SYSTEM COMPONENT DESCRIPTION

This manual includes a description of the following special features: Dial, Line Adapter, Line Adapter with Auto Answer, Switched Network Backup, and 4800/7200 bps Transmission speed. In addition, a discussion of command execution timing considerations has been added, and additional descriptions are provided for the following topics: attribute characters, locked keyboard recovery using the RESET key, Numeric Lock special feature operation and Operator Identification Card Reader character code formats. The new information is useful to programmers, analyst and in computer-stored data. Manual, 110 pages

GA27-2750

IBM 3270 PROBLEM DETERMINATION GUIDE - SYSTEM LIBRARY

This manual is to be used by operators and supervisors to determine the nature of a problem on the IBM 3270 system. Manual, approximately 36 pages

GA27-2752

IBM 3284/3286 PRINTER CUSTOM FEATURE DESCRIPTION MARGIN STOP VARIABLE RPQ #EB3995

This document contains information relating to the Margin Stop Variable feature (RPQ EB3995). When implemented in the 3284/3286 Printers (all models), this feature allows for printer platens of varying lengths to be interchanged by the operator.

The data presented herein is directed solely to a printer operator. It is intended to serve as an instructional guide in the basic rudiments of those platen removal and installation procedures that may be performed by an operator once the custom feature has been installed in the 3284/3286 Printers. Manual, 6 pages

GA27-2753

IBM 3284/3286 PRINTER CUSTOM FEATURE DESCRIPTION VERTICAL FORMS INDEX CONTROL (RPQ EB4324)

This document contains information relating to the Vertical Forms Index Control feature (RPQ EB4324). The data contained herein is directed to a customer, his programmer and computer operator, and is intended to assist them in the application of this feature when used in 3284/3286 Printers. Manual, 12 pages

GA27-2758

IBM 3270 INFORMATION DISPLAY SYSTEM CUSTOM FEATURE DESCRIPTION, DUAL CASE CHARACTER SET RPQ 8K0366

This manual contains a description of the Dual Case Character Set (RPQ 8K0366) intended for customers, planners, marketing representatives, and programmers. Manual, 22 pages

GA27-3011

IBM 2760 OPTICAL IMAGE UNIT COMPONENT DESCRIPTION

This Component Description Manual describes the principles of operation of the IBM 2760 Optical Image Unit when attached to an IBM 2740 Communications Terminal, Model 1. Line-control signals, message formats, special features, communication facilities, and data sets that can be used with this Tele-processing terminal are also discussed. A major section concerning the preparation of artwork and the photographic procedures involved in creating a filmstrip for use in this unit will be found toward the end of the manual. Systems Reference Library Manual, 52 pages

GA27-3029

IBM 2721 PORTABLE AUDIO TERMINAL

This manual is designed to acquaint the reader with the basic concepts and use of the IBM 2721 Portable Audio Terminal. The publication should be used as a general guideline for useful application of the terminal. Functional and operational characteristics are discussed in detail, and no previous reading is required for an understanding of how the terminal operates as a remote input/output device. The operation of the 2721 terminal in a systems environment depends largely on how the user's program is written; therefore, the operating procedures outlined in this manual are of a general nature. The

ultimate operation of the terminal depends upon the programmer's ingenuity and the applications involved. Systems Reference Library Manual, 28 pages

GA27-3039

IBM 2721 PORTABLE AUDIO TERMINAL OPERATOR'S HANDBOOK

This manual provides instructions for installing and operating the IBM 2721 Portable Audio Terminal. A section on problem determination is provided to assist the operator in deciding if the terminal requires maintenance.

For more detailed information on the functions and operation of the terminal, refer to the Systems Reference Library Manual, Component Description: IBM 2721 Portable Audio Terminal, GA27-3029. Manual, 15 pages

GA27-3040

CUSTOM UNIT DESCRIPTION - 1970-1 REMOTE AUDIO RESPONSE UNIT

This manual gives basic information necessary for understanding the operating principles of the 1970-1. It includes a description of the functional units, vocabulary, communication requirements, terminals, data sets, operating principles, security, line requirements, applications, programming considerations, physical characteristics, and special alphameric capabilities.

The chapter "Programming Considerations" describes only general programming practices. For additional information on programming this unit with the IBM 2701 IPCA feature or Cyclic Checking feature, contact your IBM regional products marketing representative.

It is written for the systems engineer, systems analysis specialist, or the IBM System/360 programmer who is interested in the functional and operational characteristics of remote audio response units.

The reader should be familiar with teleprocessing principles and IBM System/360 programming. Systems Reference Library, 44 pages

GA27-3041

IBM 1970 MODEL 1 REMOTE AUDIO RESPONSE UNIT INSTALLATION MANUAL - PHYSICAL PLANNING

This manual furnishes specific details of the physical characteristics of the IBM 1970 Model 1 Remote Audio Response Unit. Included are dimensions, weights, service clearances, heat output, air flow, and electrical and environmental requirements. Also included is ordering information for the basic machine and available features. Planning assistance is also available from IBM sales and installation planning representatives. Systems Reference Library Manual, 16 pages

GA27-3043

IBM 3735 PROGRAMMABLE BUFFERED TERMINAL CONCEPT AND APPLICATION

The purpose of this manual is two-fold: first, it introduces the IBM 3735 Programmable Buffered Terminal; and, second it provides planning information for those who may be involved in installing a 3735. Because of this dual purpose, not all sections of the manual may be of interest to each reader. Those interested in an overview and in the highlights of the 3735 will find the Introduction of most value; those who need more detailed information on the terminal's operation and functional capabilities will find the sections on Operating Characteristics and Implementation Considerations of most interest; systems and application programmers will find information on Programming Considerations for the 3735 in Appendix B.

Generally, the prerequisites for this manual are an understanding of the concept and application of the IBM System/360 and the IBM System/370 in a teleprocessing environment. The section on Programming Considerations requires more extensive knowledge of the applicable operating system (OS or DOS).

Although not intended as a terminal operator's guide or as a programmer's guide, the manual presents general information concerning these subjects. System Reference Library, 50 pages

GA27-3044

IBM 2976 MOBILE TERMINAL SYSTEM CUSTOM SYSTEM DESCRIPTION OPERATOR'S GUIDE - PHYSICAL PLANNING

This manual is the primary source of information on the IBM 2976 Mobile Terminal System. The Mobile Terminal System provides high-speed, two-way data communications between a central IBM System/360 or System/370 and mobile terminals. It is comprised of an IBM 2976 Model 3 Transmission Control Unit, an IBM 2976 Model 5 Signal Converter, and a number of IBM 2976 Model 4 Mobile Terminals.

The manual contains both introductory and in-depth information about the system components, a discussion of programming requirements for the system, the operator information needed to use the components of the system, diagnostic procedures for rapid problem determination, and the physical planning and installation information required for planning and installing the Mobile Terminal System.

Organization of the manual into separate parts allows the expected users to go directly to the information they require. These users include: management, programming,

system analyst, and central site operating personnel; mobile terminal operators; and site planning and installation personnel.

Users who require the detailed information provided in this publication should have a basic understanding of telecommunications and radio operations and should have IBM System/360 or System/370 programming and operating experience.
Manual, 50 pages

This publication contains introductory information on the hardware components of the controller and on the programs provided to support it. Any user or potential user of a 3705, including management, programmers, operators, and maintenance personnel, should be familiar with the contents of this manual. The only prerequisite for this manual is an understanding of basic teleprocessing operations.
System Library Manual, 56 pages

GA27-3048

IBM 3670 BROKERAGE COMMUNICATION SYSTEM SYSTEM CONCEPTS AND CONFIGURATOR

This manual presents the concepts of the IBM 3670 Brokerage Communication System for two types of users. For management and supervisory personnel, it provides an overview of the hardware that includes the purpose, design highlights, and varied applications of the system. For support personnel interested in more detail, it offers a description of individual components, program support, system organization, and data protection.

It also provides the systems planner with technical information to aid in configuring a system best suited to his needs. Included are a block diagram and a listing of the units, features, and connections that can make up a system.

Users of this manual should be familiar with the contents of IBM System/360, Introduction to Teleprocessing, GC30-2007, and IBM Teleprocessing System Summary, GA24-3090. Hardware Concepts and Configurator, 48 pages

GA27-3049

IBM 3670 BROKERAGE COMMUNICATION SYSTEM INSTALLATION MANUAL--PHYSICAL PLANNING

This manual is to be used as a guide by installation planners preparing to install the IBM 3670 Brokerage Communication System. It provides technical information, recommendations, and suggestions to be used in installation planning, but no attempt has been made to give step-by-step instructions for preparing the site to receive the 3670 system.

Dimensions, weights, service clearances, physical information for each unit, and environmental and electrical requirements are covered in this manual. Information is also given on cabling, electrical outlets, communication facilities, air conditioning and humidity controls, and environmental safety. The customer's responsibility for planning the installation and preparing the site is discussed.

Planners should be familiar with the 3670, communications networks, and common-carrier services. They should also be familiar with System Library publication, IBM 3670 Brokerage Communication System, System Concepts and Configurator, GA27-3048. System Reference Library Manual, 28 pages

GA27-3050

IBM 3670 BROKERAGE COMMUNICATION SYSTEM COMPONENT DESCRIPTION MANUAL

The IBM 3670 Brokerage Communication System is a subsystem designed to communicate with a TCAM supported IBM System/360 or IBM System/370. The 3670 consists of a shared terminal control unit and a number of independent applications-oriented input/output devices. The components of the 3670 are:

- IBM 3671 Shared Terminal Control Unit
- IBM 3672 Executive Console
- IBM 3673 Data Display
- IBM 3674 Printer-Keyboard

This manual serves as a reference for the components of the 3670 subsystem.

It describes standard and special features, functions, and operating characteristics of the control unit and of each of the attached devices.

A separate chapter is devoted to describing each of the four components.

This publication is written for the user who is interested in the details of machine function and design. It is intended for the customer systems analyst, the customer systems programmer, the IBM Data Processing systems engineer, the IBM Field Engineering customer engineer for machine maintenance, and the IBM Field Engineering program systems representative.

It is not intended to give complete information for system implementation.

Users of this manual should be familiar with the contents of IBM 3670 Brokerage Communication System, Concepts and Configurator, GA27-3048.

This prerequisite manual offers an introduction to the concepts of the 3670 and also gives configurator information.
Manual, 50 pages

GA27-3051

INTRODUCTION TO THE 3705 COMMUNICATIONS CONTROLLER
The IBM 3705 Communications Controller is a compatible transmission control unit designed to assume many teleprocessing control functions formerly assigned to a teleprocessing access method. The 3705 is controlled by a program resident in the controller.

GA27-3055

IBM 3705 COMMUNICATIONS CONTROLLER OPERATOR'S GUIDE

This publication gives the operator of the IBM 3705 Communications Controller the information he needs to operate the 3705 under normal operating conditions and in diagnostic mode. The primary user of the manual is the operator, but anyone using the 3705 control panel for testing or diagnostics may also need to refer to it.

A special feature of the manual is a foldout diagram of the control panel. This diagram is divided into areas, each of which has a number. Throughout the book, references to a specific panel control are keyed to the section of the diagram where that control is located. For ease of reference, the diagram can be folded out to be seen with any other page of the manual.

Prerequisite Publication:

Introduction to the IBM 3705 Communications Controller, GA27-3051
Operator's Guide, 74 pages

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GA27-3063

COMPONENT INFORMATION FOR THE IBM 3780 DATA COMMUNICATION TERMINAL

This manual introduces the IBM 3780 Communication Terminal, designed to transmit and receive data accurately, quickly, and economically in a teleprocessing environment. The terminal's applications, capabilities, and design highlights are discussed, as well as use of the binary synchronous communication, a description of the associated data-link control characters, code structures, and timeouts. The manual also discusses communication facilities, IBM modems, and special features available for this teleprocessing terminal.

In-depth information for those who implement customer applications is also included. Readers concerned with the 3780's capabilities and design highlights will find the Introduction, Card Reader, and Printer sections useful, while those needing more detailed information on the terminal's operation and its binary synchronous method of communication should read the Operating Characteristics and Programming Considerations sections.

Prerequisites for this manual include an understanding of the IBM System/360 and the IBM System/370 in a teleprocessing environment, together with knowledge of the binary synchronous method of data-link control as outlined in the IBM Systems Reference Library publication, General Information--Binary Synchronous Communications, GA27-3004. Manual, 70 pages

GA32-0006

TAPE SPECIFICATIONS FOR IBM ONE-HALF INCH TAPE DRIVES AT: 556 AND 800 BPI AND 3200 FCI

This manual provides the specifications and requirements for magnetic tape to be used on IBM Tape Drives. The specifications are presented in two parts: General information and Tape Properties Essential for IBM Tape Drive Use. The latter section covers minimum properties required for tape use on all IBM Tape Drives.
Manual, 11 pages

GA32-0007

COMPONENT DESCRIPTION IBM 2420 MODEL 5 MAGNETIC TAPE UNIT

This bulletin describes the characteristics, functions, and features of the IBM 2420 Model 5 Magnetic Tape Unit. Systems Reference Library Manual, 12 pages

GA32-0015

IBM 3410/3411 MAGNETIC TAPE SUBSYSTEM COMPONENT SUMMARY MANUAL

This manual will give potential customers a general introduction to the 3410/3411 Magnetic Tape Subsystem. The manual describes the IBM 3410 Models 1, 2, and 3 Magnetic Tape Units and the IBM 3411 Magnetic Tape Unit and Control.
Manual, 8 pages

GA32-0020

3803/3420 MAGNETIC TAPE SUBSYSTEMS

This manual describes the IBM 3803 Model 1 Tape Control and the IBM 3420 Models 3, 5, and 7 Magnetic Tape Units. The 3803 Model 1 tape control provides communication between the tape units and the system input/output interface. The 3420 Models 3, 5, and 7 tape units read and write one-half inch magnetic tape at 75, 125, and 200 inches per second respectively. All three basic tape units read and write nine-track, 1,600 bytes per inch (bpi), phase-encoded format. Nine-track, 800 bpi NRZI recording mode is available as a feature on all models. Seven-track, 556/800 bpi NRZI recording mode is an optional feature on all

models.

A reader should be familiar with IBM SYSTEM/360 I/O INTERFACE, CHANNEL TO CONTROL UNIT, ORIGINAL EQUIPMENT MANUFACTURERS' INFORMATION, Form GA22-6843, and IBM SYSTEM/360 PRINCIPLES OF OPERATION, Form GA22-6821 (sections on input/output operations). System/370 users should also refer to IBM SYSTEM/370 PRINCIPLES OF OPERATION, Form GA22-7000.
Systems Reference Library Manual, 32 pages

GA32-0022

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IBM 3410/3411 MAGNETIC TAPE SUBSYSTEM COMPONENT DESCRIPTION MANUAL

No abstract available.
Manual, 44 pages

GA33-1506

IBM SYSTEM/370 MODEL 125 FUNCTIONAL CHARACTERISTICS MANUAL
This manual contains information on the operations that can be performed on the System/370 Model 125, including channel and I/O operations.

The Model 125 is a general purpose data processing system, controlled from a central processing unit, with a direct attachment for disk drives as a standard feature. It can be equipped with a multiplexer channel and with integrated attachments and adapters for magnetic tape units, card I/O devices, a printer, and teleprocessing devices.

The manual describes the basic architecture and features of the central processing unit, and the channel characteristics.

The intended readership consists mainly of systems analysts evaluating the capabilities of the Model 125 in terms of its manual and program operations, and of system programmers writing channel programs or operating systems for the Model 125. The manual is only of limited use to application programmers because it contains little information related to programming languages.

The first main section of the publication, "System Control", describes the architectural features such as the program status word control registers, and fixed areas in main storage, and gives details of mode selection and other manual operations. The second main section describes the channel characteristics, and specifies the commands, status and sense information of the natively-attached I/O devices. A separate chapter describes the teleprocessing attachment. Instruction timings are listed in an appendix.

Prerequisite Publications:

IBM System/370 System Summary, GA22-7001
IBM System/360 Principles of Operation, GA22-6821
IBM System/370 Principles of Operation, GA22-7000

Manual, 252 pages

GA33-1507

IBM SYSTEM/370 MODEL 125 CONFIGURATOR

This configurator is a table showing the models, features, and attachments for the System/360 Model 125 central processing unit. It is intended to be used by IBM Marketing representatives, IBM System engineers, or customer systems evaluation management.

Associated publications are:

IBM System/370 Input/Output Configurator - GA22-7002
IBM 3125 Processing Unit Integrated Communications

Adapter: Configurator - GA33-1508
System Library Manual, Single Page (Folded)

GA33-1509

IBM SYSTEM/370 MODEL 125 OPERATION PROCEDURES

This manual is intended for operating personnel using the System/370 Model 125.

The manual is divided into four sections: The Introduction, The Operation Console, Operation Actions and the Appendix. The section on the operator console describes the hardware and the facilities available for the manual control of the system. The section on the operator actions describes how the facilities are used, how to handle unexpected situations, and how to recover from a fault. The appendix provides reference information for the handling of I/O devices that can be directly attached (no control unit or channel is needed) to the Model 125. Restart procedures for the 2560 multifunction Card Machine, attached directly to the Model 125, are also given.
Manual, 120 pages

GA33-1510

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IBM SYSTEM/370 MODEL 115 FUNCTIONAL CHARACTERISTICS

Contains information on the operations of the System/370 Model 115. The Model 115 is a general purpose data processing system, with a direct disk attachment as a standard feature. It can be equipped with integrated attachments or adapters for magnetic tape units, a line printer, a console printer, and teleprocessing devices. A multiplexer channel or an integrated attachment for a multi-function card device is available. The manual describes the basic architecture and features of the central processing unit, and the channel characteristics.

The intended readership consists mainly of systems analysts evaluating the capabilities of the Model 115 in terms of its manual and program operations, and of system programmers writing channel programs or operating systems.

The first main section of the publication, "System Control", describes the architectural features, and gives details of mode selection and other manual operations. The second main section describes the channel characteristics, and specifies the commands, status and sense information of the I/O devices controlled by integrated attachments and adapters. A separate chapter describes the teleprocessing attachment. Instruction timings are listed in an appendix. Prerequisite publications:

IBM System/370 System Summary, GA22-6821
IBM System/370 Principles of Operation, GA22-7000
Manual, 244 pages

GA33-1511

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IBM SYSTEM/370 MODEL 115 CONFIGURATOR

This configurator is intended for sales personnel, systems engineers and customer systems evaluation management. This configurator provides a concise graphic description of the Model 115 with standard and optical features, as well as all possible configurations of I/O devices which can be directly attached to the Model 115.
Manual

GA33-3005

IBM SYSTEM/370 MODEL 135 FUNCTIONAL CHARACTERISTICS

This publication describes the capabilities, features, input/output channels, integrated adapters, and operations of the IBM System/370 Model 135. The information includes the relationship of System/370 Model 135 to the IBM System/360. The publication is intended for users and potential users (such as systems analysts and programmers) of the System/370 Model 135. The reader is assumed to have a working knowledge of IBM System/370 Principles of Operation (GA22-7000) and IBM System/370 System Summary (GA22-7001).
Manual, 94 pages

GA33-3007

IBM SYSTEM/370 MODEL 135-TERMINAL ADAPTER TYPE I MODEL II (FOR ICA): SPECIAL FEATURE DESCRIPTION SYSTEM LIBRARY MANUAL

This manual provides information for writing channel programs for the Terminal Adapter Type I Model II subfeature in the Integrated Communications Adapter (ICA) base feature of the IBM System/370 Model 135.

The manual is intended for applications programmers who use the assembler language and who are familiar with input/output programming as described in IBM System/360 Principles of Operation (GA22-6821) and IBM System/370 Principles of Operation (GA22-7000).

The Terminal Adapter Type I Model II subfeature covered by this manual allows the Model 135 to communicate with remote start/stop terminals such as the IBM 1050 Data Communications Terminals, and IBM System/7.

The first section of the manual outlines the relationship of the ICA to the CPU main storage and to the external communication link. Subsequent sections give details of transmission codes, methods of error detection, special characters, status and sense information, and communication procedures. Appendixes give information about the particular requirements of the remote devices.
Manual, 56 pages

GA33-3008

IBM SYSTEM/370 MODEL 135 TERMINAL ADAPTER TYPE III FOR ICA: SPECIAL FEATURE DESCRIPTION

This manual provides information for writing channel programs for the Terminal Adapter Type III subfeature in the integrated communications adapter (ICA) base feature of the IBM System/370 Model 135.

The manual is intended for applications programmers who use assembler language and who are familiar with input/output programming as described in IBM System/360 Principles of Operation (GA22-6821) and IBM System/370 Principles of Operation (GA22-7000).

The Terminal Adapter Type III subfeature allows the Model 135 to communicate with remotely sited IBM 2260 or 2265 Display Stations, via IBM 2848 or 2845 Display Controls, respectively.

The first section of the manual outlines the relationship of the ICA to the CPU main storage and to the external communication link. Subsequent sections give details of transmission codes, methods of error detection, special characters, commands, status and sense information, and communication procedures.
System Library Manual, 36 pages

GA33-3009

IBM SYSTEM/370 MODEL 135-SYNCHRONOUS DATA ADAPTER TYPE II (FOR ICA): SPECIAL FEATURE DESCRIPTION

This manual provides reference information for programmers writing channel programs for the Synchronous Data Adapter Type II subfeature in the Integrated Communication Adapter (ICA) feature of the IBM System/370 Model 135.

The Synchronous Data Adapter Type II subfeature allows the Model 135 to communicate with other processing systems and terminals that operate under binary synchronous communications procedures.

The manual is intended for applications programmers who use assembler language and who are familiar with

input/output programming as described in IBM System/360 Principles of Operation (GA22-6821) and IBM System/370 Principles of Operation (GA22-7000). The reader should also be familiar with the basic principles of binary synchronous communications, such as is given in General Information - Binary Synchronous Communications (GA27-3004).

The first section of the manual outlines the relationship of the ICA to the CPU main storage and to the external communication link; the second section summarizes the principles of binary synchronous communications. Subsequent sections give details of the transmission codes used in the Synchronous Data Adapter Type II, the error detection methods used, control characters, commands, status and sense information, and operations of the adapter. Manual, 64 pages

GA33-3010

IBM SYSTEM/370 MODEL 135 CHANNEL CHARACTERISTICS
This manual provides information needed for checking that a proposed configuration of I/O devices on the channels of IBM System/370 will work satisfactorily. The book is intended for use in systems assurance work at the planning stage.

Procedures with examples are given for testing the effects of imposing heavy loads on the Model 135 channels. The effects covered are: data overrun, loss of device performance, channel interference with the CPU, program overrun, and excessive channel utilization.

Additional but related topics covered in the book are: (1) priority sequence of devices on the byte-multiplexer channel (with examples that include the 1419 Magnetic Character Reader with expanded capability); (2) the effects of clock-multiplexing on channel busy time and percentage channel utilization; and (3) channel programming conventions, upon which the validity of test procedures in the book is based.

Prerequisite Publications

The reader must be familiar with System/370 input/output operations as presented in:

IBM System/360 Principles of Operation GA22-6821
IBM System/370 Principles of Operation GA22-7000
IBM System/370 Model 135 Functional Characteristics GA33-3005

IBM System/360 and System/370 Interface Channel Unit Original Equipment Manufacturers Information GA22-6974.

For testing data overrun on the byte-multiplexer channel, the following special worksheet is required: IBM System/370 Model 135 Byte-Multiplexer Channel: Load Sum Worksheet GX33-6004.

Manual, 102 pages

GA33-3011

IBM SYSTEM/370 MODEL 135 - TELEGRAPH ADAPTER TYPE II (FOR ICA): SPECIAL FEATURE DESCRIPTION MANUAL
This manual is primarily for communication programmers who wish to write their own channel programs for the Telegraph Adapter Type II feature. The manual will also be of interest to programmers who intend to use programs that are available from IBM. The Telegraph Adapter Type II feature (available in USA only) is one of the optional subfeatures in the integrated communications adapter (ICA) feature of the IBM 3135 Processing Unit. The subfeature allows the IBM System/370 Model 135 to communicate with remote teletypewriter-exchange-service (TWX) terminals, Models 33 & 35.

The first section of the manual outlines the relationship of the ICA to the main storage of the 3135 Processing Unit and to the external communication link; the section also gives input/output programming information. The remaining sections of the manual apply solely to the Telegraph Adapter Type II feature and give the programmer details of: Transmission codes, Methods of error detection, Control characters, commands, status and sense information, communication procedures and line monitoring.

An appendix give the TWX code structure for the remote devices. Manual, 30 pages

GA33-3014

IBM SYSTEM/370 MODEL 135 CONFIGURATOR
This publication lists the standard, optional, and selective features of the IBM System/370 Model 135, and describes how these features attach to the System/370 Model 135. Details of feature numbers, prerequisite features, programming support, and control storage requirements are also given.

This configurator is intended for IBM marketing personnel, and for customer systems planners; that is, it is intended for readers who are involved with planning Model 135 system configurators and who need to know how the features and combinations of features can be attached to the Model 135. To make the best use of this configurator, the reader should be familiar with the information in IBM System/370 Model 135 Functional Characteristics.

This configurator lists the Model 135 features under the following general headings:

- o standard, optional, and selective features
- o instruction sets
- o channels
- o integrated adapters

Manual, 44 pages

GA33-4500

IBM SYSTEM/360 COMPONENT DESCRIPTIONS - 2826 PAPER TAPE CONTROL UNIT 1017 PAPER TAPE READER 1018 PAPER TAPE PUNCH

This publication describes the above named paper tape input/output components for the reading and punching of paper or Mylar* tape. Attachment is to the multiplexer channel of the IBM System/360 Models 25, 30, 40, and 50. The channel commands necessary to control the operation of the above units, and the status and sense bytes provided by the control unit, are fully described.

Controls, tape specifications, tape-splicing procedures, tape-loading procedures, and special features are also described.

Systems Reference Library Manual, 42 pages

GA34-1507

IBM SYSTEM/7-360/370 CHANNEL ATTACHMENT: GENERAL INFORMATION *N

This manual describes the RPQ D08112 (System/7 360/370 channel attachment, and RPQD08113 two channel switch). It contains a general explanation of System/7 360/370 attachment to 360/370 channel data transfer sequences. For correct operation, the machine language instructions, status and sense bytes are explained in detail.

Manual, 36 pages

GA34-1511

SYSTEM/370 IBM 5098-N05 SENSOR BASED CONTROL UNIT GENERAL INFORMATION MANUAL *N

This manual describes the configuration of the SBCU with System/370 and System/7. It describes the functional operation of the SBCU along with an explanation of the 370 channel commands issued to it. This publication also describes the order and responses sent between the SBCA and SBCU.

Manual

GA36-0002

IBM 4481 FILM READER/RECORDER

This publication provides basic information about the IBM 4481 Film Reader/Recorder, with the objective of helping reader to achieve a general understanding of the machine's operation, its interface with the IBM System/360 through the IBM 1827 Data Control Unit, and its functional characteristics. Programming considerations, timing information, operator controls, and installation planning are discussed in detail.

Systems Reference Library Manual, 36 pages

*N GA36-0003

4481 FILM READER/RECORDER PROGRAMMER'S GUIDE

This publication provides information that will enable the user to write programs for the IBM 4481 Film Reader/Recorder. Programming considerations are discussed prior to acquainting the user with the software support designed for his use. The user-oriented support programs comprise a set of macro-instructions which control data flow between the System/360 Central Processing Unit and the Film Reader/Recorder, and a selection of FORTRAN callable subroutines and image handling programs which perform transmission of data to and from the Film Reader/Recorder.

Systems Reference Library Programmer's Guide, 38 pages

SBOF-2250

PTF FOR OS/VS2 *N

No abstract available.
Microfiche

SBOF-6100

PTF PROGRAM NUMBER 360S-AL-531

PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6103

PTF PROGRAM NUMBER 360S-AS-037

PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6106

PTF PROGRAM NUMBER 360S-CB-524

PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6109

PTF PROGRAM NUMBER 360S-CB-545

PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6110

PTF PROGRAM NUMBER 360S-CI-505

PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF

SBOF

SBOF-6219
PTF PROGRAM NUMBER 360S-UT-506
PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6260
PTF PROGRAM NUMBER 360N-IO-455
PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6222
PTF MODULE GENERATION - OS
PTF listings for Operating System Module Generation.
PTF Listings, Microfiche

SBOF-6262
PTF PROGRAM NUMBER 360N-IO-456
PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6225
PTF SERVICE AIDS OS
PTF listings of Operating System Service Aids.
PTF Listings, Microfiche

SBOF-6264
PTF PROGRAM NUMBER 360N-IO-457
PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6230
PTF PROGRAM NUMBER 360N-AS-465
PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6266
PTF PROGRAM NUMBER 360N-IO-458
PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6232
PTF PROGRAM NUMBER 360N-AS-466
PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6268
PTF PROGRAM NUMBER 360N-IO-476
PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6234
PTF PROGRAM NUMBER 360N-CB-452
PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6270
PTF PROGRAM NUMBER 360N-IO-477
PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6236
PTF PROGRAM NUMBER 360N-CB-468
PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6272
PTF PROGRAM NUMBER 360N-IO-478
PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6238
PTF PROGRAM NUMBER 360N-CB-482
PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6274
PTF PROGRAM NUMBER 360N-PL-464
PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6240
PTF PROGRAM NUMBER 360N-CL-453
PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6276
PTF PROGRAM NUMBER 360N-PT-459
PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6242
PTF PROGRAM NUMBER 360N-CQ-469
PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6278
PTF PROGRAM NUMBER 360N-RG-460
PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6244
PTF PROGRAM NUMBER 360N-CQ-470
PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6280
PTF PROGRAM NUMBER 360N-SM-400
PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6248
PTF PROGRAM NUMBER 360N-DN-481
PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6282
PTF PROGRAM NUMBER 360N-SM-450
PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6250
PTF PROGRAM NUMBER 360N-EU-484
PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6284
PTF PROGRAM NUMBER 360N-SM-483
PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6252
PTF PROGRAM NUMBER 360N-EU-485
PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6286
PTF PROGRAM NUMBER 360N-SV-473
PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6254
PTF PROGRAM NUMBER 360N-FO-451
PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6288
PTF PROGRAM NUMBER 360N-SV-474
PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6256
PTF PROGRAM NUMBER 360N-FO-479
PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6290
PTF PROGRAM NUMBER 360N-SV-475
PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6258
PTF PROGRAM NUMBER 360N-IO-454
PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6292
PTF PROGRAM NUMBER 360N-SV-486
PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6294

PTF PROGRAM NUMBER 360N-SV-487
PTF listings for program number listed in title above.
PTF Listings, Microfiche

Field Developed Program Availability Notice, 4 pages

SBOF-6296

PTF PROGRAM NUMBER 360N-SV-488
PTF listings for program number listed in title above.
PTF Listings, Microfiche

SB21-0011

2770/1255 REMOTE MICR ENTRY SYSTEM
PROGRAM DESCRIPTION/OPERATION MANUAL
PROGRAM NUMBER 5798-AAD

This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described, and primary processing procedures specified. This manual is both a system description and an installation and operations reference document.

This program provides ability to transmit, capture on disk, balance, and settle batches of MICR encoded bank documents. Operating under DOS BTAM, it accumulates totals by application or type of entry for each bank.
Field Developed Program - Program Description/Operations Manual, 30 pages

SBOF-6298

PTF PROGRAM NUMBER 360N-UT-461
PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6300

PTF PROGRAM NUMBER 360N-UT-462
PTF listings for program number listed in title above.
PTF Listings, Microfiche

LB21-0012

2770/1255 REMOTE MICR ENTRY SYSTEM - SYSTEMS GUIDE
PROGRAM NUMBER 5798-AAD

This "User's Manual" is for the Systems Analyst, Programmer and Operator during the Systems Test and Daily Operations of the programs. It also contains programmer notes to assist in making minor alterations.

This program provides ability to transmit, capture on disk, balance, and settle batches of MICR encoded bank documents. Operating under DOS BTAM, it accumulates totals by application or type of entry for each bank.
Field Developed Program - Systems Guide, 138 pages

SBOF-6302

PTF PROGRAM NUMBER 360N-UT-463
PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6304

PTF PROGRAM NUMBER 360N-UT-471
PTF listings for program number listed in title above.
PTF Listings, Microfiche

GB21-0019

VEHICLE MAINTENANCE & COST ANALYSIS: S/360 MODELS 20, 25
& UP - FDP AVAILABILITY NOTICE, PROG. NO. 5798-AAG

This manual provides programs which assist in controlling maintenance cost of equipment. This is accomplished by processing vehicle information in a manner that facilitates the measurement and evaluation of equipment performance.
Manual, 8-1/2 x 11, 4 pages

SBOF-6306

PTF PROGRAM NUMBER 360N-UT-472
PTF listings for program number listed in title above.
PTF Listings, Microfiche

SBOF-6308

PTF SERVICE AIDS DOS
PTF listings of Disk Operating System Service Aids.
PTF Listings, Microfiche

SB21-0020

VEHICLE MAINTENANCE AND COST ANALYSIS, SYSTEM/360 MODELS 20,
25 AND UP: PROGRAM DESCRIPTION/OPERATIONS MANUAL, FDP PROG.
NO. 5798-AAG

This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described and primary processing procedures are specified. This manual is both a system description and an installation and operations reference document.

Provides programs which assist in controlling the maintenance cost of equipment. This is accomplished by processing vehicle information in a manner that facilitates the measurement and evaluation of equipment performance.
Manual, 8-1/2 x 11, 120 pages

GB21-0001

GENERALIZED VEHICLE SCHEDULING PROGRAM (VSP) NETWORK
FOR LOS ANGELES; FIELD DEVELOPED PROGRAM
AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AAA

Provides the Los Angeles based distributor a new method of implementing the IBM Vehicle Scheduling Program (360A-ST-06X). The network and its associated program eliminate the need for each distributor to develop his own VSP maps.
Availability Notice, 4 pages

SB21-0002

GENERALIZED VEHICLE SCHEDULING PROGRAM
NETWORK FOR LOS ANGELES FIELD DEVELOPED PROGRAM
DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AAA

Describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described and primary processing procedures specified. This manual is both a system description and an installation and operations reference document.

Provides the Los Angeles based distributor a new method of implementing the IBM Vehicle Scheduling Program (360A-ST-06X). The network and its associated program eliminate the need for each distributor to develop his own VSP maps.
Manual, 36 pages

LB21-0021

VEHICLE MAINTENANCE AND COST ANALYSIS, SYSTEM/360 MODELS 20,
25 AND UP: SYSTEMS GUIDE, FDP PROG. NO. 5798-AAG

This "User's Manual" is for the Systems Analyst, Programmer and Operator during the Systems Test and Daily Operations of the programs. It also contains programmer notes to assist in making minor alterations.

The manual provides programs which assist in controlling the maintenance cost of equipment. This is accomplished by processing vehicle information in a manner that facilitates the measurement and evaluation of equipment performance.
Manual, 8-1/2 x 11, 215 pages

LB21-0003

VEHICLE SCHEDULING PROGRAM
GENERALIZED VSP NETWORK FOR LOS ANGELES, CALIFORNIA:
FIELD DEVELOPED PROGRAM SYSTEMS GUIDE -
PROGRAM NUMBER 5798-AAA

The Generalized VSP Network for Los Angeles provides a means for creating a routing network within the Los Angeles basin (all of Los Angeles and Orange Counties located south of the Santa Susanna and San Gabriel mountain ranges). This manual provides program flowcharts, program listings, and operating instructions for the Map Selection, Link Verification, and Zone Selection Programs. These programs are used to develop a network unique to a given distributor. Licensed Program Product material.

Provides the Los Angeles based distributor a new method of implementing the IBM Vehicle Scheduling Program (360A-ST-06X). The network and its associated program eliminate the need for each distributor to develop his own VSP maps.
FDP Systems Guide, set of 135 plastic overlays, 168 pages

GB21-0028

SYSTEM/360 PROGRAM REPORT INVENTORY SYSTEM - FDP
AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AAK

As data processing systems become more advanced, user demands for greater productive output are increasing. Data processing departments are vitally concerned with more difficult questions concerning efficient operations, scheduling, and programming.

These answers can be supplied through the Program/Report Inventory System. This set of six ANS COBOL programs provides management documentation for the analysis of vital program and report information.
Availability Notice, 4 pages

GB21-0010

2770/1255 REMOTE MICR ENTRY SYSTEM (UNDER DOS BTAM) - FDP
AVAILABILITY NOTICE - PROG. NO. 5798-AAD

This program provides ability to transmit, capture on disk, balance, and settle batches of MICR encoded bank documents. Operating under DOS BTAM, it accumulates totals by application or type of entry for each bank.

SB21-0029

PROGRAM REPORT INVENTORY SYSTEM
PROGRAM DESCRIPTION OPERATIONS MANUAL
PROGRAM NUMBER 5798-AAK

This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described, and primary processing procedures are specified. This manual is both a system description and an installation and operations reference document.

As data processing systems become more advanced, user demands for greater productive output are increasing. Data processing departments are vitally concerned with more

difficult questions concerning efficient operations, scheduling, and programming.

These answers can be supplied through the Program/Report Inventory System. This set of six ANS COBOL programs provides management documentation for the analysis of vital program and report information.
Field Developed Program Publication, 58 pages

LB21-0030

PROGRAM REPORT INVENTORY SYSTEM - SYSTEM GUIDE
PROGRAM NUMBER 5798-AAK

This User's Manual is for the System Analyst, Programmer, and Operator during the Systems Test and Daily Operations of the program. It also contains programmer notes to assist in making minor alterations.

As data processing systems become more advanced, user demands for greater productive output are increasing. Data processing departments are vitally concerned with more difficult questions concerning efficient operations, scheduling, and programming.

These answers can be supplied through the Program/Report Inventory System. This set of six ANS COBOL programs provides management documentation for the analysis of vital program and report information.
Field Developed Program Publication, 173 pages

GB21-0031

PRODUCTION ORDER INVENTORY TRACKING SYSTEM FOR S/360-370
AVAILABILITY NOTICE - FDP #5798-AAL

This Field Developed Program written in Assembler, extends the proven capabilities of CICS/OS Version 1 (5736-U11) in the areas of transaction control, user data file control and accessing, and the recovery of these data files with its related restart of the system. A comprehensive audit trail is maintained to facilitate the multiple advanced data file recovery techniques included in this program. Data file integrity is maintained at record level. Data record stalemates are detected and corrected. A test mode facility is provided to assist the programmer. These enhancements are implemented easily by the application programmer through a set of assembler language macro instructions or COBOL statements. No modification of CICS or OS is required to implement the Production Order Inventory Tracking System.

This Availability Notice contains complete ordering instruction for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.
Notice, 4 pages

SB21-0032

PRODUCTION ORDER INVENTORY TRACKING SYSTEM FOR S/360-370
PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP #5798-AAL

This Field Developed Program written in Assembler, extends the proven capabilities of CICS/OS Version 1 (5736-U11) in the areas of transaction control, user data file control and accessing, and the recovery of these data files with its related restart of the system. A comprehensive audit trail is maintained to facilitate the multiple advanced data file recovery techniques included in this program. Data file integrity is maintained at record level. Data record stalemates are detected and corrected. A test mode facility is provided to assist the programmer. These enhancements are implemented easily by the application programmer through a set of assembler language macro instructions or COBOL statements. No modification of CICS or OS is required to implement the Production Order Inventory Tracking System.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 243 pages

LB21-0033

PRODUCTION ORDER INVENTORY TRACKING SYSTEM FOR S/360-370
SYSTEMS GUIDE - FDP # 5798-AAL

This Field Developed Program written in Assembler, extends the proven capabilities of CICS/OS Version 1 (5736-U11) in the areas of transaction control, user data file control and accessing, and the recovery of these data files with its related restart of the system. A comprehensive audit trail is maintained to facilitate the multiple advanced data file recovery techniques included in this program. Data file integrity is maintained at record level. Data record stalemates are detected and corrected. A test mode facility is provided to assist the programmer. These enhancements are implemented easily by the application programmer through a set of assembler language macro instructions or COBOL statements. No modification of CICS or OS is required to implement the Production Order Inventory Tracking System.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.
Guide, 614 pages

GB21-0034

DOS SORT EXIT ROUTINES FOR CS/30/40 DISK FILES - FDP
AVAILABILITY NOTICE, PROG. NO. 5798-AAM

This program provides routines which allow users of CS/30 or

CS/40 to take advantage of the high-speed DOS/360 Tape and Disk Sort program for sorting emulated 1311 disk files. Independent input and output routines are provided which allow the DOS/360 Sort (360N-SM-0483) or the Program Product (5736-SM1) to read and write disk files in emulator format. Improvements in sorting times over Sort 5 or Sort 6 running under CS/30 will be as great as 70 percent.
Availability Notice, 4 pages

SB21-0035

DISK OPERATING SYSTEM SORT EXIT ROUTINES FOR CONTROL SYSTEM
(CS/30/40 FILES - FIELD DEVELOPED PROGRAM DESCRIPTION
OPERATIONS MANUAL - PROGRAM NUMBER 5798-AAM

This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described, and primary processing procedures are specified. This manual is both a system description and an installation and operations reference document.

This program provides routines which allow users of CS/30 or CS/40 to take advantage of the high-speed DOS/360 Tape and Disk Sort program for sorting emulated 1311 disk files. Independent input and output routines are provided which allow the DOS/360 Sort (360N-SM-0483) or the Program Product (5736-SM1) to read and write disk files in emulator format. Improvements in sorting times over Sort 5 or Sort 6 running under CS/30 will be as great as 70 percent.
Manual, 24 pages

LB21-0036

DISK OPERATING SYSTEM SORT EXIT ROUTINES FOR
CS/30/40 FILES SYSTEMS GUIDE - PROGRAM NUMBER 5798-AAM

This 'User's Manual' is for the Systems Analyst, Programmer, and Operator during the Systems Test and Daily Operations of the programs. It also contains programmer notes to assist in making minor alterations.

This program provides routines which allow users of CS/30 or CS/40 to take advantage of the high-speed DOS/360 Tape and Disk Sort program for sorting emulated 1311 disk files. Independent input and output routines are provided which allow the DOS/360 Sort (360N-SM-0483) or the Program Product (5736-SM1) to read and write disk files in emulator format. Improvements in sorting times over Sort 5 or Sort 6 running under CS/30 will be as great as 70 percent.
Field Developed Program System Guide, 85 pages

*N GB21-0043

PUBLIC UTILITY FINANCIAL PLANNING SYSTEM - FDP AVAILABILITY
NOTICE - PROG. NO. 5798-AAQ

This Public Utility Financial Planning System, for the System/360 Model 25 and above, provides a tool to assist the corporate planning function of electric, gas, and combination utilities.

Rather than attempt to forecast the future based on statistical analysis of past data, this system projects data into the future based on management estimates of future performance. The user provides current financial and operating data, as well as planning assumptions about future values of the data items. Based on this information, the system produces projected financial statements for a five-year planning period. These documents would be used by corporate planners to evaluate the given plan.
Field Developed Program Availability Notice, 4 pages

SB21-0044

PUBLIC UTILITY FINANCIAL PLANNING SYSTEM - FIELD DEVELOPED
PROGRAM - PROGRAM DESCRIPTION OPERATIONS MANUAL
PROGRAM NUMBER 5798-AAQ

This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described, and primary processing procedures are specified. This manual is both a system description and an installation and operations reference document.

The Public Utility Financial Planning System, for the System/360 Model 25 and above, provides a tool to assist the corporate planning function of electric, gas, and combination utilities.

Rather than attempt to forecast the future based on statistical analysis of past data, this system projects data into the future based on management estimates of future performance. The user provides current financial and operating data, as well as planning assumptions about future values of the data items. Based on this information, the System produces projected financial statements for a five-year planning period. These documents would be used by corporate planners to evaluate the given plan.
Manual, 47 pages

LB21-0045

PUBLIC UTILITY FINANCIAL PLANNING SYSTEM GUIDE
PROGRAM NUMBER 5798-AAQ

This 'User's Manual' is for the Systems Analyst, Programmer, and Operator during the Systems Test and Daily Operations of the programs. It also contains programmer notes to assist in making minor alterations.

The Public Utility Financial Planning System, for the System/360 Model 25 and above, provides a tool to assist the corporate planning function of electric, gas, and combination utilities.

Rather than attempt to forecast the future based on statistical analysis of past data, this system projects data into the future based on management estimates of future performance. The user provides current financial and operating data, as well as planning assumptions about future values of the data items. Based on this information, the system produces projected financial statements for a five-year planning period. These documents would be used by corporate planners to evaluate the given plan.
Field Developed Program System Guide, 147 pages

GB21-0046

SMF SELECTABLE ANALYZER FDP AVAILABILITY NOTICE, PROG. NO. 5798-AAR

This is a program using as input the data created by the SMF option of OS/MFT and MVT. Based on control card specification, the program main procedure will call in report overlay procedures.

The report procedures include analysis and display of information relating to CPU and I/O utilization, multiprogramming activity, program use profile, job and task initiation and completion, and distribution of cost.
Notice, 2 pages

SB21-0047

OPERATING SYSTEM/360 SYSTEM MANAGEMENT FACILITY SELECTABLE ANALYZER - PROGRAM DESCRIPTION/OPERATION MANUAL
PROGRAM NUMBER 5798-AAR

This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described, and primary processing procedures specified. This manual is both a system description and an installation and operations reference document.

This is a program using as input the data created by the SMF option of OS/MFT and MVT. Based on control card specification, the program main procedure will call in report overlay procedures. The report procedures include analysis and display of information relating to CPU and I/O utilization, multiprogramming activity, program use distribution of cost.
Manual, 62 pages

LB21-0048

OS SMF SELECTABLE ANALYZER SYSTEMS GUIDE, FDP PROG. NO. 5798-AAR

This "User's Manual" is for the Systems Analyst, Programmer and Operator during the Systems Test and Daily Operations of the programs. It also contains programmer notes to assist in making minor alterations.

This is a program using as input the data created by the SMF option of OS/MFT and MVT. Based on control card specification, the program main procedure will call in report overlay procedures. The report procedures include analysis and display of information relating to CPU and I/O utilization, multiprogramming activity, program use profile, job and task initiation and completion, and distribution of cost.
Guide, 121 pages

GB21-0061

MINIMUM TELEPROCESSING COMMUNICATION SYSTEM (DOS) - FDP AVAILABILITY NOTICE, PROG. NO. 5798-AAQ

Now, a Minimum Teleprocessing Communication System is available to the DOS user who would like to install a first terminal system. It is a generalized, single-thread, transaction oriented system that can be quickly installed and requires no specialized training in teleprocessing concepts, BTAM or Assembler Language to implement the system. It utilizes design concepts of the more sophisticated data base/data communication systems where possible. It complements and provides a logical growth path to systems such as IBM Customer Information Control System (CICS).
Field Developed Program Availability Notice, 4 pages

SB21-0062

MINIMUM TELEPROCESSING COMMUNICATIONS SYSTEM MANUAL
PROGRAM NUMBER 5798-AAQ

This manual describes the capabilities of the system and the programs. Discussion of the design assumptions and potential modification areas is included. Record and file layouts are described, and primary processing procedures are specified. This manual is both a system description and an installation and operations reference document.

Now, a Minimum Teleprocessing Communication System is available to the DOS user who would like to install a first

terminal system. It is a generalized, single-thread, transaction oriented system that can be quickly installed, and requires no specialized training in teleprocessing concepts, BTAM, or Assembler Language to implement the system. It utilizes design concepts of the more sophisticated data base/data communication systems where possible. It complements and provides a logical growth path to systems such as IBM Customer Information Control System (CICS).

Field Developed Program - Program Description
Operation Manual, 90 pages

LB21-0063

MINIMUM TELEPROCESSING COMMUNICATIONS SYSTEM: FDP SYSTEMS GUIDE, PROG. NO. 5798-AAQ, FEATURE NO. 8021

This 'User's Manual' is for the Systems Analyst, Programmer, and Operator during the Systems Test and Daily Operations of the programs. It also contains programmer notes to assist in making minor alterations.

Now, a Minimum Teleprocessing Communication System is available to the DOS user who would like to install a first terminal system. It is a generalized, single-thread, transaction oriented system that can be quickly installed and requires no specialized training in teleprocessing concepts, BTAM, or Assembler Language to implement the system. It utilizes design concepts of the more sophisticated data base/data communication systems where possible. It complements and provides a logical growth path to systems such as IBM Customer Information Control System (CICS).
Manual, 10 pages

GB21-0067

USER ROLLOUT/ROLLIN FOR SYSTEM/360 MODEL 22 & UP - FDP AVAILABILITY NOTICE - PROG. NO. 5798-ABA

User Rollout/Rollin permits the user to maintain a small partition (2K) and expand this partition to the necessary size when a request is made by seizing extra memory from the other two possible partitions. The programs being processed in the other partitions are temporarily stored on disk files until the seized area has completed the assigned task, then processing resumes as if no seizure had taken place.
Field Developed Program Publication, 2 pages

SB21-0068

DISK OPERATING SYSTEM DYNAMIC ROLLOUT/ROLLIN FIELD DEVELOPED PROGRAM DESCRIPTION OPERATIONS MANUAL
PROGRAM NUMBER 5798-ABA

This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described, and primary processing procedures are specified. This manual is both a system description and an installation and operations reference document.

User Rollout/Rollin permits the user to maintain a small partition (2K) and expand this partition to the necessary size when a request is made by seizing extra memory from the other two possible partitions. The programs being processed in the other partitions are temporarily stored on disk files until the seized area has completed the assigned task, then processing resumes as if no seizure had taken place.
Manual, 13 pages

LB21-0069

DISK OPERATING SYSTEM DYNAMIC ROLLOUT/ROLLIN PROGRAM NUMBER 5798-ABA - FIELD DEVELOPED PROGRAM SYSTEMS GUIDE

This User's Manual is for the System Analyst, Programmer, and Operator during the Systems Test and Daily Operations of the program. It also contains programmer notes to assist in making minor alterations.

User Rollout/Rollin permits the user to maintain a small partition (2K) and expand this partition to the necessary size when a request is made by seizing extra memory from the other two possible partitions. The programs being processed in the other partitions are temporarily stored on disk files until the seized area has completed the assigned task, then processing resumes as if no seizure had taken place.
Manual, 23 pages

GB21-0136

DATA CLASSIFICATION SYSTEM (UNDER OS AND DOS) - FDP AVAILABILITY NOTICE, PROG. NO. 5798-ACC

The "Data Communication System" is a program designed to run under OS or DOS to transform a user data base into meaningful statistical information. It is designed for the nonmathematician/nonstatistician.
Field Developed Program Availability Notice, 4 pages

SB21-0137

DATA CLASSIFICATION SYSTEM FOR THE SYSTEM/360 PROGRAM DESCRIPTION/OPERATIONS MANUAL
PROGRAM NUMBER 5798-ACC

This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described, and primary processing procedures specified. This manual is both a system description and an installation

and operations reference document.

The "Data Classification System" is a program designed to run under OS or DOS to transform a user data base into meaningful statistical information. It is designed for the nonmathematician/nonstatistician.
Field Developed Program - Program Description/Operations Manual, 24 pages

Field Developed Program Availability Notice, 4 pages

SB21-0239

DOS 2311-2314/19 DASD DEVICE INDEPENDENCE ROUTINES
PROGRAM DESCRIPTION/OPERATIONS MANUAL
PROGRAM NUMBER 5798-ADT

This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described, and primary processing procedures specified. This manual is both a system description and an installation and operations reference document.

This system allows the user to run programs compiled for specific DASD devices on a different DASD device without program recompilation.
Field Developed Program-Program Description/Operations Manual, 22 pages

LB21-0138

DATA CLASSIFICATION SYSTEM FOR THE SYSTEM/360
SYSTEMS GUIDE - PROGRAM NUMBER 5798-ACC

This "User's Manual" is for the Systems Analyst, Programmer, and Operator during the Systems Test and Daily Operations of the programs. It also contains programmer notes to assist in making minor alterations.

The "Data Classification System" is a program designed to run under OS or DOS to transform a user data base into meaningful statistical information. It is designed for the nonmathematician/nonstatistician.
Field Developed Program - Systems Guide, 128 pages

LB21-0240

DOS 2311-2314/19 DASD DEVICE INDEPENDENCE ROUTINES
SYSTEMS GUIDE - PROGRAM NUMBER 5798-ADT

This "User's Manual" is for the Systems Analyst, Programmer and Operator during the Systems Test and Daily Operations of the programs. It also contains programmer notes to assist in making minor alterations.

This system allows the user to run programs compiled for specific DASD devices on a different DASD device without program recompilation.
Field Developed Program-Systems Guide, 74 pages

GB21-0157

PRODUCT AND INVENTORY COSTING WITH TRENDS FOR USER REPORTING
AND EVALUATION (PICTURE) - DOS - FDP AVAILABILITY NOTICE,
PROG. NO. 5798-ACL

These application programs perform the standard accounting functions of product and inventory costing, manufacturing engineering product cost estimating and inventory valuation trend reporting.

Field Developed Program Availability Notice, 6 pages

GB21-0283

TSO ON-LINE COBOL SYMBOLIC DEBUG - FDP AVAILABILITY NOTICE
PROGRAM NUMBER 5798-AEZ

This program provides the TSO user with an interactive facility for symbolic debugging during execution of his COBOL program.

Field Developed Program Availability Notice, 4 pages

SB21-0158

PRODUCT AND INVENTORY COSTING WITH TRENDS FOR USER REPORTING
AND EVALUATION - PROGRAM NUMBER 5798-ACL
PROGRAM DESCRIPTION/OPERATIONS MANUAL

This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described, and primary processing procedures specified. This manual is both a system description and an installation and operations reference document.

These application programs perform the standard accounting functions of product and inventory costing, manufacturing engineering product cost estimating and inventory valuation trend reporting.
Manual, 58 pages

SB21-0284

TSO ON-LINE COBOL SYMBOLIC DEBUG
PROGRAM DESCRIPTION/OPERATIONS MANUAL
PROGRAM NUMBER 5798-AEZ

This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described, and primary processing procedures specified. This manual is both a system description and an installation and operations reference document.

This program provides the TSO user with an interactive facility for symbolic debugging during execution of his COBOL program.

Manual, 136 pages

LB21-0159

PRODUCT AND INVENTORY COSTING WITH TRENDS FOR USER REPORTING
AND EVALUATION - SYSTEMS GUIDE - PROGRAM NUMBER 5798-ACL

This "User's Manual" is for the Systems Analyst, Programmer and Operator during the Systems Test and Daily Operations of the programs. It also contains programmer notes to assist in making minor alterations.

These application programs perform the standard accounting functions of product and inventory costing, manufacturing engineering product cost estimating and inventory valuation trend reporting.
Field Developed Program-Systems Guide, 314 pages

LB21-0285

TSO ON-LINE COBOL SYMBOLIC DEBUG - SYSTEMS GUIDE
PROGRAM NUMBER 5798-AEZ

This "User's Manual" is for the Systems Analyst, Programmer and Operator during the Systems Test and Daily Operations of the programs. It also contains programmer notes to assist in making minor alterations.

This program provides the TSO user with an interactive facility for symbolic debugging during execution of his COBOL program.

Field Developed Program - Systems Guide, 66 pages

GB21-0229

SHAS PENDING INSURANCE CLAIMS ACCOUNTING PROGRAMS (DOS)
FDP AVAILABILITY NOTICE, PROG. NO. 5798-ADN

Provides the SHAS user with the capabilities of creating and maintaining a file of all claims forwarded to Medicare under the Medicare and part "A" programs.
Availability Notice, 4 pages

GB21-0313

OS ROTABLE CONTROL PROGRAM - FIELD DEVELOPED PROGRAM
AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AFA

The IBM OS Rotable Control Program provides airline management with a comprehensive rotatable control system aimed at optimizing the very significant Rotable Spare Investment, while insuring sustained aircraft availability and airworthiness.

Employing the Chained File Management System of the System/360 Requirements Planning Program Product, the rotatable control system is modular in design with an integrated data base framework. Thus, it can function independently or as part of an expanded Maintenance and Engineering system. In this manner, both immediate and long term benefits accrue to the airlines.
Notice, 6 pages

SB21-0230

SHAS PENDING INSURANCE CLAIMS - PROGRAM NUMBER 5798-ADN
PROGRAM DESCRIPTION/OPERATIONS MANUAL

This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described, and primary processing procedures specified. This manual is both a system description and an installation and operations reference document. Manual number GB21-0229 contains additional information.
Manual, 86 pages

SB21-0314

OS ROTABLE CONTROL PROGRAM - FIELD DEVELOPED PROGRAM
DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AFA

The availability notice is a marketing oriented document that describes the purpose and capabilities of the program, advantages of design, and problems solved by the program referenced in the title.
Manual, 98 pages

LB21-0231

SHAS PENDING INSURANCE CLAIMS - PROGRAM NUMBERS 5798-ADN
FIELD DEVELOPED PROGRAM - SYSTEMS GUIDE

This "User's Manual" is for the Systems Analyst, Programmer and Operator during the Systems Test and Daily Operations of the programs. It also contains programmer notes to assist in making minor alterations. Manual number GB21-0029 contains additional information.

Systems Guide, 100 pages

LB21-0315

OS ROTABLE CONTROL PROGRAM - FIELD DEVELOPED PROGRAM
SYSTEMS GUIDE - PROGRAM NUMBER 5798-AFA

This "User's Manual" is for the Systems Analyst, Programmer and Operator during the Systems Test and Daily Operations of

GB21-0238

DOS 2311-2314/19 DASD DEVICE INDEPENDENCE ROUTINES
FDP AVAILABILITY NOTICE - PROG. NO. 5798-ADT

This system allows the user to run programs compiled for specific DASD devices on a different DASD device without program recompilation.

the programs. It also contains programmer notes to assist in making minor alterations.
Manual, 180 pages

GB21-0316

DOS ROTABLE CONTROL PROGRAM - FDP AVAILABILITY NOTICE, PROG. NO. 5798-AFC

The DOS Rotable Control Program provides airline management with a comprehensive rotatable control system aimed at optimizing the very significant Rotable Spare Investment, while insuring sustained aircraft availability and airworthiness.

Employing the System/360 Data Base Organization and Maintenance Processor (DBOMP) program product, the system is modular in design with an integrated data base framework. Thus, it can function independently or as part of an expanded Maintenance and Engineering system. In this manner, both immediate and long term benefits accrue to the airlines.

Notice, 6 pages

SB21-0317

IBM DISK OPERATING SYSTEM/360 ROTABLE CONTROL PROGRAM FIELD DEVELOPED PROGRAM DESCRIPTION/OPERATIONS MANUAL PROGRAM NUMBER 5798-AFC

This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described, and primary processing procedures specified. This manual is both a system description and an installation and operations reference document.

Manual, 102 pages

LB21-0318

IBM DISK OPERATING SYSTEM/360 ROTABLE CONTROL PROGRAM FIELD DEVELOPED PROGRAM SYSTEMS GUIDE PROGRAM NUMBER 5798-AFC

This "User's Manual" is for the Systems Analyst, Programmer and Operator during the Systems Test and Daily Operations of the programs. It also contains programmer notes to assist in making minor alterations.

Guide, 196 pages

GB21-0322

DOS APPLICATION DOCUMENTATION PROGRAM - FIELD DEVELOPED PROGRAM AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AFF

Management must be in a position to assess current systems and the impact of proposed systems modifications. All too often, however, analysis of systems documentation (even when current and complete) is time-consuming and tedious.

The DOS Application Documentation Program helps data processing management to create and maintain a centralized documentation base. This documentation data base provides information about systems components and how they are related. Reporting programs allow the user to retrieve information rapidly and useful formats. File Maintenance routines are also provided to update the documentation base.

With the aid of the DOS Application Documentation Program, reports may be generated showing every file used by each program and every program that uses a particular file.

The DOS Application Documentation Program uses the System/360 Bill of Material Processor Program as a file organization technique.

Notice, 4 pages

SB21-0323

DOS APPLICATION DOCUMENTATION PROGRAM - FIELD DEVELOPED PROGRAM DESCRIPTION/OPERATIONS - PROGRAM NUMBER 5798-AFF

This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described, and primary processing procedures specified. This manual is both a system description and an installation and operations reference document.

Manual, 26 pages

LB21-0324

DOS APPLICATION DOCUMENTATION PROGRAM - FIELD DEVELOPED PROGRAM SYSTEMS GUIDE - PROGRAM NUMBER 5798-AFF

This "User's Manual" is for the Systems Analyst, Programmer and Operator during the Systems Test and Daily Operations of the programs. It also contains programmer notes to assist in making minor alterations.

Manual, 24 pages

GB21-0334

DOS TO OS ASSEMBLER MACRO CONVERSION FIELD DEVELOPED PROGRAM AVAILABILITY NOTICE

The availability notice is a marketing oriented document that describes the purpose and capabilities of the program, advantages of design, and problems solved by the program referenced in the title.

Notice, 4 pages

SB21-0335

DOS TO OS ASSEMBLER LANGUAGE MACRO CONVERSION FIELD DEVELOPED PROGRAM

PROGRAM DESCRIPTION/OPERATIONS MANUAL PROGRAM NUMBER 5798-AFL

This 12 page document describes the capabilities of the FDP and the programs of DOS to OS Assembler Language Macro Conversion. Written in OS Assembler Language (360-AS-037), this system converts DOS Macros to their OS equivalent.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

Manual, 12 pages

LB21-0336

DOS TO OS ASSEMBLER LANGUAGE MACRO CONVERSION - FIELD DEVELOPED PROGRAM SYSTEMS GUIDE - PROGRAM NUMBER 5798-AFL

This 54 page document describes the steps necessary to modify the DOS to OS Assembler Language Macro Conversion written in OS Assembler Language (360S-AS-037). This system converts DOS Macros to their OS equivalent.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.

Manual, 54 pages

GB21-0387

HONEYWELL 200 SERIES COBOL TO IBM ANS COBOL CONVERSION AIDS FDP AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AGC

The availability notice is a marketing oriented document that describes the purpose and capabilities of the program, advantages of design, and problems solved by the program referenced in the title.

Notice, 4 pages

SB21-0388

HONEYWELL 200 SERIES COBOL TO IBM ANS COBOL CONVERSION AID FIELD DEVELOPED PROGRAM DESCRIPTION/OPERATIONS MANUAL PROGRAM NUMBER 5798-AGC

This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described, and primary processing procedures specified. This manual is both a system description and an installation and operations reference document.

Manual, 38 pages

LB21-0389

HONEYWELL 200 SERIES COBOL TO IBM ANS COBOL CONVERSION AID FIELD DEVELOPED PROGRAM-SYSTEMS GUIDE - PROGRAM NUMBER 5798-AGC

This "User's Manual" is for the Systems Analyst, Programmer and Operator during the Systems Test and Daily Operations of the programs. It also contains programmer notes to assist in making minor alterations.

Manual, 98 pages

GB21-0393

IBGS - INTERACTIVE BUSINESS GAME SIMULATION - A GENERAL BUSINESS SIMULATION FOR APL/360 - PROGRAM NUMBER 5798-AGM

FIELD DEVELOPED PROGRAM-AVAILABILITY NOTICE

The availability notice is a marketing oriented document that describes the purpose and capabilities of the program, advantages of design, and problems solved by the program referenced in the title.

Notice, 4 pages

SB21-0394

IBGS - INTERACTIVE BUSINESS GAME SIMULATION - A GENERAL BUSINESS SIMULATION FOR APL/360 - FIELD DEVELOPED PROGRAM DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AGM

This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described, and primary processing procedures specified. This manual is both a system description and an installation and operations reference document.

Manual, 42 pages

LB21-0395

IBGS - INTERACTIVE BUSINESS GAME SIMULATION - A GENERAL BUSINESS SIMULATION FOR APL/360 - FIELD DEVELOPED PROGRAM SYSTEMS GUIDE - PROGRAM NUMBER 5798-AGM

This "User's Manual" is for the Systems Analyst, Programmer and Operator during the Systems Test and Daily Operations of the programs. It also contains programmer notes to assist in making minor alterations.

Manual, 84 pages

GB21-0399

APL COORDINATE GEOMETRY SYSTEM FOR SYSTEM/370 AVAILABILITY NOTICE - FDP NUMBER 5798-AGE

This 4 page document describes the purpose and highlights of Contractor/Subcontractor Estimating for the System/3 Model

10. Written in RPG II, this program is designed to handle the numerous extensions, look-up, and pricing required in estimating work. The system considers labor hours factors, material prices, and extra material items, extends prices, and calculates the job estimate. The Job Estimate Report includes labor hours, materials, and amounts, and can be grouped by floor, area, or cost function. Programs are provided to handle price changes and discounts. Unusual or "one-time" items are accommodated on an exception input basis. Multiple bids can be maintained on the disk. A user can save a bid pending final award, re-run it, or change it, if desired.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.
Manual, 4 pages

LB21-0410

ZEROS AND INTEGRALS IN APL FDP - SYSTEMS GUIDE - PROGRAM NUMBER 5798-AGJ

This 50 page document describes the steps necessary to modify the Zeros and Integrals in APL FDP written in APL for the APL/360. This program is intended for scientists, engineers, and others who need to find roots of equations and compute integrals.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.
Manual, 50 pages

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GB21-0411

GRAPHPAK - INTERACTIVE GRAPHICS PACKAGE FOR APL/360 PROG. NO. 5798-AGK - FDP AVAILABILITY NOTICE

The availability notice is a marketing oriented document that describes the purpose and capabilities of the program, advantages of design, and problems solved by the program referenced in the title.
Notice, 4 pages

SB21-0412

GRAPHPAK - INTERACTIVE GRAPHICS PACKAGE FOR APL/360 FIELD DEVELOPED PROGRAM DESCRIPTION/OPERATIONS MANUAL PROGRAM NUMBER 5798-AGK

This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described, and primary processing procedures specified. This manual is both a system description and an installation and operations reference document.
Manual, 56 pages

LB21-0413

GRAPHPAK - INTERACTIVE GRAPHICS PACKAGE FOR APL/360 FIELD DEVELOPED PROGRAM-SYSTEMS GUIDE PROGRAM NUMBER 5798-AGK

This "User's Manual" is for the Systems Analyst, Programmer and Operator during the Systems Test and Daily Operations of the programs. It also contains programmer notes to assist in making minor alterations.
Manual, 54 pages

GB21-0414

GRAPHS AND HISTOGRAMS IN APL AVAILABILITY NOTICE - FDP NUMBER 5798-AGL

This 4 page document describes the purpose and highlights of the Graphs and Histograms in APL for the System/360/370. This workspace contains functions which, on an APL/360 terminal (2741 or 1050): plots of curves, draws histograms, deriving the plotted values from the raw data. It contains options to: plot several curves together. Abscissae need to be the same for the various curves. Employ linear or logarithmic scale on each axis. Use the special plotting type element (P/N 1167114) for finer resolution. Adjust the scale to compensate for the different unit lengths in the two directions at the terminal (100 chars/inch and 6 lines/inch).

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.
Notice, 4 pages

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SB21-0415

GRAPHS AND HISTOGRAMS IN APL PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AGL

This 30 page document describes the capabilities of the FDP and the programs of the Graph and Histograms in APL for the System/360/370. This workspace contains functions which, on an APL/360 terminal (2741 or 1050): plots of curves, draws histograms, deriving the plotted values from the raw data. It contains options to: plot several curves together. Abscissae need to be the same for the various curves. Employ linear or logarithmic scale on each axis. Use the special plotting type element (P/N 1167114) for finer resolution. Adjust the scale to compensate for the different unit lengths in the two directions at the terminal (100 chars/inch and 6 lines/inch).

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 30 pages

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LB21-0416

GRAPHS AND HISTOGRAMS IN APL SYSTEMS GUIDE - FDP NUMBER 5798-AGL

This 27 page document describes the steps necessary to modify the Graphs and Histograms in APL for the System/360/370. This workspace contains functions which, on an APL/360 terminal (2741 or 1050): plots of curves, draws histograms, deriving the plotted values from the raw data. It contains options to: plot several curves together. Abscissae need to be the same for the various curves. Employ linear or logarithmic scale on each axis. Use the

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SB21-0400

APL COORDINATE GEOMETRY SYSTEM FOR SYSTEM/370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AGF

This 65 page document describes the capabilities of the FDP and the programs of the APL Coordinate Geometry system. Written in APL for the System/370, this system provides COGO (Coordinate Geometry) capability at an APL terminal. Data may be printed or plotted at the typewriter terminal, or saved for later work. Including spirals, circular arcs, intersections, traverses, areas and subdivisions, and parabolas in the vertical plane, the system can be applied to land and right-of-way surveying highway and interchange design, bridge geometry, construction layout, subdivision work, railroad improvement and many other problems. Typical users are civil engineers and surveyors. No knowledge of APL is needed. Because APL is used, response and reliability are excellent. Other APL applications can be installed without additional core allocation. APL/360 is required with a workspace size of at least 40K. No additional hardware is required.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 65 pages

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LB21-0401

APL COORDINATE GEOMETRY SYSTEM FOR SYSTEM/370 SYSTEMS GUIDE FDP NUMBER 5798-AGF

This 195 page document describes the steps necessary to modify the APL Coordinate Geometry System written in APL for the System/370. This program provides COGO (Coordinate Geometry) capability at an APL terminal. Data may be printed or plotted at the typewriter terminal, or saved for later work. Including spirals, circular arcs, intersections, traverses, areas and subdivisions, and parabolas in the vertical plane, the system can be applied to land and right-of-way surveying, highway and interchange design, bridge geometry, construction layout, subdivision work, railroad improvement and many other problems. Typical users are civil engineers and surveyors. No knowledge of APL is needed. Because APL is used, response and reliability are excellent. Other APL applications can be installed without additional core allocation. APL/360 is required with a workspace size of at least 40K. No additional hardware is required.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.
Guide, 195 pages

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GB21-0408

ZEROS AND INTEGRALS IN APL FDP AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AGJ

This 4 page document describes the purpose and highlights of the Zeros and Integrals in APL program for APL/360. Written in APL, this program is intended for scientists, engineers, and others who need to find roots of equations and compute integrals.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.
Flyer, 4 pages

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SB21-0409

ZEROS AND INTEGRALS IN APL FDP - PROGRAM DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AGJ

This 20 page document describes the capabilities of the FDP and the programs of the Zeros and Integrals in APL system. Written in APL for the APL/360, this system is intended for scientists, engineers, and others who need to find roots of equations and compute integrals.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 20 pages

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special plotting type element (P/N 1167114) for finer resolution. Adjust the scale to compensate for the different unit lengths in the two directions at the terminal (100 chars/inch and 6 lines/inch).

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.
Guide, 27 pages

GB21-0432

ANALYTICAL PROCESSING TECHNIQUE (APT) UNDER CP-67/CMS FDP AVAILABILITY NOTICE, PROG. NO. 5798-AGD
The availability notice is a marketing oriented document that describes the purpose and capabilities of the program, advantages of design, and problems solved by the program referenced in the title.
Field Developed Programs-Availability Notice, 4 pages

SB21-0433

APT UNDER CMS: FDP PROGRAM DESCRIPTION/OPERATIONS MANUAL, PROG. NO. 5798-AGD
This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described, and primary processing procedures specified. This manual is both a system description and an installation and operations reference document.
Manual, 16 pages

LB21-0434

APT UNDER CP/CMS - PROGRAM NUMBER 5798-AGD FIELD DEVELOPED PROGRAM-SYSTEMS GUIDE
This "User's Manual" is for the Systems Analyst, Programmer and Operator during the Systems Test and Daily Operations of the programs. It also contains programmer notes to assist in making minor alterations.
Guide, 76 pages

GB21-0450

DOS TIME ACCOUNTING AND BILLING - FDP AVAILABILITY NOTICE, PROG. NO. 5798-AHB
The availability notice is a marketing oriented document that describes the purpose and capabilities of the program, advantages of design, and problems solved by the program referenced in the title.
Flyer, 4 pages

SB21-0451

DOS TIME ACCOUNTING AND BILLING - FIELD DEVELOPED PROGRAM DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AHB
This 50 page document describes the capabilities of the FDP and the programs of DOS Time Accounting and Billing. Written in DOS COBOL D (360N-CB-452), this system provides Data Processing and Operations Managers with the information to evaluate operational effectiveness and measure the effect of management action.
Manual, 50 pages

LB21-0452

DOS TIME ACCOUNTING AND BILLING - FIELD DEVELOPED PROGRAM-SYSTEMS GUIDE - PROGRAM NUMBER 5798-AHB
This 184 page document describes the steps necessary to modify the DOS Time Accounting and Billing FDP written in DOS COBOL D (360N-CB-452). This system provides Data Processing and Operations Managers with the information to evaluate operational effectiveness and measure the effect of management action.
This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.
Manual, 184 pages

GB21-0490

UNIVAC 9300 COBOL TO IBM ANS COBOL CONVERSION AID PROG. NO. 5798-AHP, FDP AVAILABILITY NOTICE
The availability notice is a marketing oriented document that describes the purpose and capabilities of the program, advantages of design, and problems solved by the program referenced in the title.
Notice, 4 pages

SB21-0491

UNIVAC 9300 COBOL TO IBM ANS COBOL CONVERSION AID FIELD DEVELOPED PROGRAM DESCRIPTION/OPERATIONS MANUAL PROGRAM NUMBER 5798-AHP
This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described, and primary processing procedures specified. This manual is both a system description and an installation and operations reference document.
Manual, 34 pages

LB21-0492

UNIVAC 9300 COBOL TO IBM ANS COBOL CONVERSION AID FIELD DEVELOPED PROGRAM-SYSTEMS GUIDE - PROGRAM NUMBER 5798-AHP
This "User's Manual" is for the Systems Analyst, Programmer and Operator during the Systems Test and Daily Operations of the programs. It also contains programmer notes to assist in making minor alterations.
Manual, 56 pages

*M GB21-0493

RCA COBOL TO IBM ANS COBOL CONVERSION AID FOR SYSTEM/360/370 AVAILABILITY NOTICE - FDP NUMBER 5798-AHT
This 6 page document describes the purpose and highlights of RCA COBOL to IBM ANS COBOL Conversion Aid for the System/360, 370. Written in ALC, this series of programs and procedures will assist in the conversion of RCA TOS/TDOS or ANSI COBOL programs to IBM ANS COBOL. The system described here operates under the IBM Disk Operating System (DOS) or the full Operating System (OS).
This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.
Notice, 6 pages

SB21-0494

RCA COBOL TO IBM ANS COBOL CONVERSION AID FOR SYSTEM/360,370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AHT
This 36 page document describes the capabilities of the FDP and the programs of the RCA COBOL to IBM ANS COBOL Conversion Aid. Written in ALC, this series of programs and procedures will assist in the conversion of RCA TOS/TDOS or ANSI COBOL programs to IBM ANS COBOL. The system described here operates under the IBM Disk Operating System (DOS) or the full Operating System (OS).
This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 36 pages

LB21-0495

RCA COBOL TO IBM ANS COBOL CONVERSION AID FOR SYSTEM/360,370 SYSTEMS GUIDE - FDP NUMBER 5798-AHT
This 74 page document describes the steps necessary to modify the RCA COBOL to IBM ANS COBOL Conversion Aid. Written in ALC, this series of programs and procedures will assist in the conversion of RCA TOS/TDOS or ANSI COBOL programs to IBM ANS COBOL. The system described here operates under the IBM Disk Operating System (DOS) or the full Operating System (OS).
This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.
Guide, 74 pages

GB21-0505

CUSTOMER INFORMATION FILE USING DOS/CICS FDP - AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AHX
This six page document describes the purpose and highlights of the Customer Information File Using DOS/CICS for the System/360, 370. Written in Assembler Language Code, this program is a multi-purpose file that combines all customer descriptive data into a centralized pool of information. Access can be from on-line terminals via name or account number or from various accounting application programs. This system is designed primarily for banks but can be modified for other institutions.
This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.
Notice, 6 pages

SB21-0506

CUSTOMER INFORMATION FILE USING DOS/CICS FDP - PROGRAM DESCRIPTION/OPERATIONS MANUAL PROGRAM NUMBER 5798-AHX
This 174 page document describes the capabilities of the FDP and the programs of the Customer Information File using DOS/CICS system. Written in Assembler Language Code for the System/360,370, this program is a multi-purpose file that combines all customer descriptive data into a centralized pool of information. Access can be from on-line terminals via name or account number or from various accounting application programs. This system is designed primarily for banks but can be modified for other institutions.
This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 174 pages

LB21-0507

CUSTOMER INFORMATION FILE USING DOS/CICS
FDP - SYSTEMS GUIDE - PROGRAM NUMBER 5798-AHX
 This 260 page document describes the steps necessary to modify the Customer Information File Using DOS/CICS FDP written in Assembler Language Code for the System/360,370. This program is a multi-purpose file that combines all customer descriptive data into a centralized pool of information. Access can be from on-line terminals via name or account number or from various accounting application programs. This system is designed primarily for banks but can be modified for other institutions.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.
 Guide, 260 pages

GB21-0541

LEASE VS. PURCHASE ANALYSIS OF CAPITAL EXPENDITURES FDP
AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AJK
 This four page document describes the purpose and highlights of the Lease vs. Purchase Analysis of Capital Expenditures program for the System/360. Written in FORTRAN IV, this program simulates different approaches to capital acquisition by applying a variety of depreciation methods, tax credits, financing, lease prices, etc.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.
 Notice, 4 pages

SB21-0542

LEASE VS. PURCHASE ANALYSIS OF CAPITAL EXPENDITURES PROGRAM
DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AJK
 This 62 page document describes the capabilities of the FDP and the programs of the Lease vs. Purchase Analysis of Capital Expenditures system. Written in FORTRAN IV for the System/360, this system simulates different approaches to capital acquisition by applying a variety of depreciation methods, tax credits, financing, lease prices, etc.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
 Manual, 62 pages

LB21-0543

LEASE VS. PURCHASE ANALYSIS OF CAPITAL EXPENDITURES SYSTEMS
GUIDE - FDP NUMBER 5798-AJK
 This 36 page document describes the steps necessary to modify the Lease vs. Purchase Analysis of Capital Expenditures FDP written in FORTRAN IBM for the System/360. This program is designed to simulate different approaches to capital acquisition by applying a variety of depreciation methods, tax credits, financing, lease prices, etc.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.
 Guide, 36 pages

GB21-0553

OPERATOR TRAINING - DOS CONSOLE SIMULATION DRILLS: BASIC
TRAINING COURSE A3609 (PROG. NO. 5798-AJM), CUSTOMER PROBLEM
DETERMINATION COURSE A3611 (PROG. NO. 5798-AJN)
AND MULTIPROGRAMMING COURSE A3612 (PROG. NO. 5798-AJP)
FIELD DEVELOPED PROGRAMS-AVAILABILITY NOTICE

The availability notice is a marketing oriented document that describes the purpose and capabilities of the program, advantages of design, and problems solved by the program referenced in the title. For information on new accounting codes, see Branch Office Manual, cover letter for BMR DP 355, Z239-1801, 6/26/72.
 Notice, 6 pages

SB21-0554

DOS BASIC OPERATOR TRAINING - PROGRAM
DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AJM
 This 28 page document describes the capabilities of the FDP and the programs of the DOS Basic Operator Training system. Written in the Coursewriter III Language, this Console Simulation Drill provides the student with simulated hands-on experience but controls the student activity, thus protecting vital system and user files.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
 Manual, 28 pages

LB21-0555

DOS BASIC OPERATOR TRAINING - SYSTEMS GUIDE
FIELD DEVELOPED PROGRAM - PROGRAM NUMBER 5798-AJM
 This 50 page document describes the steps necessary to modify the DOS Basic Operator Training FDP written in the Coursewriter III Language. This Console Simulation Drill provides the student with simulated hands-on experience but

controls the student activity, thus protecting vital system and user files.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.
 Guide, 50 pages

SB21-0557

DOS CUSTOMER PROBLEM DETERMINATION OPERATOR TRAINING
PROGRAM DESCRIPTION/OPERATIONS MANUAL - FIELD DEVELOPED
PROGRAM - PROGRAM NUMBER 5798-AJN

This 28 page document describes the capabilities of the FDP and the programs of the DOS Customer Problem Determination Operator Training system. Written in the Coursewriter III Language, this Console Simulation Drill provides the student with simulated hands-on experience but controls the student activity, thus protecting vital system and user files.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
 Manual, 28 pages

LB21-0558

DOS CUSTOMER PROBLEM DETERMINATION OPERATOR TRAINING
FIELD DEVELOPED PROGRAM SYSTEMS GUIDE - PROGRAM NUMBER
5798-AJN

This 80 page document describes the steps necessary to modify the DOS Customer Problem Determination Operator Training FDP written in the Coursewriter III Language. This Console Simulation Drill provides the student with simulated hands-on experience but controls the student activity, thus protecting vital system and user files.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.
 Guide, 80 pages

SB21-0560

DOS MULTIPROGRAMMING OPERATOR TRAINING - FIELD DEVELOPED
PROGRAM - PROGRAM DESCRIPTION/OPERATIONS MANUAL
PROGRAM NUMBER 5798-AJP

This 26 page document describes the capabilities of the FDP and the programs of the DOS Multiprogramming Operator Training system. Written in the Coursewriter III Language, this Console Simulation Drill provides the student with simulated hands-on experience but controls the student activity, thus protecting vital system and user files.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
 Manual, 26 pages

LB21-0561

DOS MULTIPROGRAMMING OPERATOR TRAINING - SYSTEMS GUIDE
FIELD DEVELOPED PROGRAM - PROGRAM NUMBER 5798-AJP

This 56 page document describes the steps necessary to modify the DOS Multiprogramming Operator Training FDP written in the Coursewriter III Language. This Console Simulation Drill provides the student with simulated hands-on experience but controls the student activity, thus protecting vital system and user files.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.
 Guide, 56 pages

GB21-0574

OS/360/370 JOB CONTROL LANGUAGE DEVICE DEPENDENT PARAMETER
CONVERSION AND REPLACEMENT (DDPREP) AVAILABILITY NOTICE
FDP NUMBER 5798-AJU

This four page document describes the purpose and highlights of the OS/360/370 Job Control Language - Device Dependent Parameter Conversion and Replacement (DDPREP) program for the System 360/370. Written in PL/1, this program converts production Job Control Language and procedure libraries to accommodate new I/O Device characteristics and data set locations.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.
 Notice, 4 pages

SB21-0575

OS/360/370 JOB CONTROL LANGUAGE DEVICE DEPENDENT PARAMETER
CONVERSION AND REPLACEMENT (DDPREP) PROGRAM DESCRIPTION/
OPERATIONS MANUAL - FDP NUMBER 5798-AJU

This 44 page document describes the capabilities of the FDP and the programs of the OS/360/370 Job Control Language - Device Dependent Parameter Conversion and Replacement (DDPREP) system. Written in PL/1 for the System 360/370, this system converts production Job Control Language and procedure libraries to accommodate new I/O Device characteristics and data set locations.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 44 pages

LB21-0576

OS/360/370 JOB CONTROL LANGUAGE DEVICE DEPENDENT PARAMETER CONVERSION AND REPLACEMENT (DDPREP) - SYSTEMS GUIDE - FDP NUMBER 5798-AJU

This 32 page document describes the steps necessary to modify the OS/360/370 Job Control Language - Device Dependent Parameter Conversion and Replacement (DDPREP) FDP written in PL/1 for the System 360/370. This program converts production Job Control Language and procedure libraries to accommodate new I/O device characteristics and data set locations.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.
Guide, 32 pages

GB21-0610

2927 TAPE TO PRINTER UTILITY FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-AKH

This 4 page document describes the purpose and highlights of "2927 Tape to Printer Utility". Written in Assembler, this program will enable the user to print formatted print tapes on the IBM 2927 Tape-to-Printer with a minimum amount of communication with the operator. Uses BPS to provide control, interrupt, input-output and I/O error recovery functions necessary for program execution.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.
Notice, 4 pages

SB21-0611

2927 TAPE TO PRINTER UTILITY FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AKH

This 50 page document describes the capabilities of the FDP and programs of the "2927 Tape to Printer". Written in Assembler, this program will enable the user to print formatted print tapes on the IBM 2927 Tape-to-Printer with a minimum amount of communication with the operator. Uses BPS to provide control, interrupt, input-output and I/O error recovery functions necessary for program execution.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 50 pages

LB21-0612

2927 TAPE TO PRINTER UTILITY FOR SYSTEM/360,370 SYSTEMS GUIDE - FDP NUMBER 5798-AKH

This 22 page document describes the steps necessary to modify the "2927 Tape to Printer Utility". Written in Assembler, this program will enable the user to print formatted print tapes on the IBM 2927 Tape-to-Printer with a minimum amount of communication with the operator. Uses BPS to provide control, interrupt, input-output and I/O error recovery functions necessary for program execution.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.
Guide, 22 pages

GB21-0620

3270 FORMAT MACRO FOR OUTPUT DATA STREAMS FDP - AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AKL

This four page document describes the purpose and highlights of the 3270 Format Macro for Output Data Streams program for the System/360. This program was written in Assembler Language. Format is an Assembler Macro which when included in an OS or DOS Assembler Program or made available to the assembler through a Macro Library, allows the programmer to create output data streams for the Local or Remote 3270 Display Screen or Printer.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.
Notice, 4 pages

SB21-0621

3270 FORMAT MACRO FOR OUTPUT DATA STREAMS FDP - PROGRAM DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AKL

This 62 page document describes the capabilities of the FDP and the programs of the 3270 Format Macro for Output Data Streams system. This program was written in Assembler Language. Format is an Assembler Macro which when included in an OS or DOS Assembler Program or made available to the assembler through a Macro Library, allows the programmer to

create output data streams for the Local or Remote 3270 Display Screen or Printer.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Program Description/Operations Manual, 62 pages

LB21-0622

3270 FORMAT MACRO FOR OUTPUT DATA STREAMS FDP - SYSTEMS GUIDE - PROGRAM NUMBER 5798-AKL

This ten page document describes the steps necessary to modify the 3270 Format Macro for Output Data Streams FDP written in Assembler Language for the System/360. Format is an Assembler Macro which when included in an OS or DOS Assembler Program or made available to the assembler through a Macro Library, allows the programmer to create output data streams for the Local or Remote 3270 Display Screen or Printer.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.
Systems Guide, 10 pages

GB21-0635

ERROR STATISTICS BY VOLUME FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-AKR

This 2 page document describes the purpose and highlights of the Error Statistics By Volume for the System/360, 370. Written in PL/1, this program, using standard SMF data as input, produces Error Statistics Reports that enable the tape user to monitor the quality of his tape library, identify poor volumes for replacement and thus maintain the quality of his library for optimum performance with the hardware. The ESV Reporter operates under either OS MFT or MVT and requires a 130K partition/region and 50 cylinders of IBM 2314 direct access storage (or equivalent).

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.
Notice, 2 pages

SB21-0636

ERROR STATISTICS BY VOLUME FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AKR

This 25 page document describes the capabilities of the FDP and the programs of the Error Statistics By Volume system. Written in PL/1 for the System/360, 370, this system, using standard SMF data as input, produces Error Statistics Reports that enable the tape user to monitor the quality of his tape library, identify poor volumes for replacement and thus maintain the quality of his library for optimum performance with the hardware. The ESV Reporter operates under either OS MFT or MVT and requires a 130K partition/region and 50 cylinders of IBM 2314 direct access storage (or equivalent).

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 25 pages

LB21-0637

ERROR STATISTICS BY VOLUME FOR SYSTEM/360, 370 SYSTEMS GUIDE - FDP NUMBER 5798-AKR

This 16 page document describes the steps necessary to modify the Error Statistics By Volume written in RPG II for the System/360, 370. This program, using standard SMF data as input, produces Error Statistics Reports that enable the tape user to monitor the quality of his tape library, identify poor volumes for replacement and thus maintain the quality of his library for optimum performance with the hardware. The ESV Reporter operates under either OS MFT or MVT and requires a 130K partition/region and 50 cylinders of IBM 2314 direct access storage (or equivalent).

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.
Guide, 16 pages

GB21-0638

DATA EDITING AND FORMATTING AIDS FOR SYSTEM/360 AVAILABILITY NOTICE - FDP NUMBER 5798-AKS

This 4 page document describes the purpose and highlights of Data Editing and Formatting Aids for the System/360. Written in ALC, this FDP consists of 26 assembler macros providing thirty-one unique functions for text editing and reformatting. The program was developed using the macro facility present in both the DOS and the OS assembler languages. The macros are identical in function under both OS and DOS.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.
Notice, 4 pages

SB21-0639

DATA EDITING AND FORMATTING AIDS FOR SYSTEM/360 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AKS
This 77 page document describes the capabilities of the FDP and the programs of the Data Editing and Formatting Aids. Written in ALC for the System/360, this system consists of 26 assembler macros providing thirty-one unique functions for text editing and reformatting. The program was developed using the macro facility present in both the DOS and the OS Assembler languages. The macros are identical in function under both OS and DOS.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 77 pages

LB21-0640 see page 330

GB21-0671

DOS/OS 3735 COMMUNICATIONS UTILITY FOR SYSTEM/360,370 AVAILABILITY NOTICE - FDP NUMBER 5798-ALG
This 4 page document describes the purpose and highlights of this DOS/OS 3735 Communications Utility for the System/360, 370. Written in ALC, this FDP provides a comprehensive set of options designed to establish communications between the host System/360 or System/370 and the IBM 3735 Programmable Buffered Terminal. With this FDP, the host system calls the terminal-using the autocall feature on the Transmission Control Unit-collects data from the terminal and sends selected Form Description Programs and data to the terminal. The FDP is run as a batch job under either DOS or OS. Through utility control statements, this FDP provides many options such as terminal ID verifications, data collection on disk or printer, transmission of all or selected form description programs, transmission of selected groups of data to the terminal and many others. Data received from the IBM 3735 can be written onto a sequential disk for later processing by user programs. Data to be selected and sent to the 3735 is located in an indexed sequential file built by the user according to 3735 specifications.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.
Notice, 4 pages

SB21-0672

DOS/OS COMMUNICATIONS UTILITY FOR SYSTEM/360,370 - PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ALG
This 30 page document describes the capabilities of the FDP and the programs of the DOS/OS Communications utility. Written in ALC for the System/360,370, this FDP provides a comprehensive set of options designed to establish communications between the host System/360 or System/370 and the IBM 3735 Programmable Buffered Terminal. With this FDP, the host system calls the terminal-using the autocall feature on the Transmission Control Unit-collects data from the terminal and sends selected Form Description Programs and data to the terminal. The FDP is run as a batch job under either DOS or OS. Through utility control statements, this FDP provides many options such as terminal ID verifications, data collection on disk or printer, transmission of all or selected form description programs, transmission of selected groups of data to the terminal and many others. Data received from the IBM 3735 can be written onto a sequential disk for later processing by user programs. Data to be selected and sent to the 3735 is located in an indexed sequential file built by the user according to 3735 specifications.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 30 pages

LB21-0673

DOS/OS COMMUNICATIONS UTILITY FOR SYSTEM/360,370 SYSTEMS GUIDE - FDP NUMBER 5798-ALG
This 14 page document describes the steps necessary to modify the DOS/OS 3735 Communications Utility written in ALC for the System/360,370. This FDP provides a comprehensive set of options designed to establish communications between the host System/360 or System/370 and the IBM 3735 Programmable Buffered Terminal. With this FDP, the host system calls the terminal-using the autocall feature on the Transmission Control Unit-collects data from the terminal and sends selected Form Description Programs and data to the terminal. The FDP is run as a batch job under either DOS or OS. Through utility control statements, this FDP provides many options such as terminal ID verification, data collection on disk printer, transmission of all or selected form description programs, transmission of selected groups of data to the terminal and many others. Data received from the IBM 3735 can be written on to a sequential disk for later processing by user programs. Data to be selected and sent to the 3735 is located in an indexed sequential file built by the user according to 3735 specifications.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.
Guide, 14 pages

*N GB21-0686

DOS 2311/14/19 - 3330 DASD DEVICE INDEPENDENCE ROUTINES AVAILABILITY NOTICE - FDP NUMBER 5798-ALK
This 2 page document describes the purpose and highlights of the DOS 2311/14/19-3330 DASD Device Independence Routines program for the System/360/370 (DOS). Written in Assembler Language, this program provides the DOS user device independence between 2311/14/19 and 3330 disk files. These routines dynamically modify (at OPEN time) any program written in any language that uses Index Sequential, Sequential, Direct Access, or PIOCS in a standard manner.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.
Notice, 2 pages

SB21-0687

DOS 2311/14/19-3330 DASD DEVICE INDEPENDENCE ROUTINES PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ALK
This 24 page document describes the capabilities of the FDP and the programs of the DOS 2311/14/19-3330 DASD Device Independence Routines system. Written in Assembler Language for the System 360/370 (DOS), this system provides the DOS user device independence between 2311/14/19 and 3330 disk files. These routines dynamically modify (at OPEN time) any program written in any language that uses Index Sequential, Sequential, Direct Access, or PIOCS in a standard manner.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 24 pages

LB21-0688

DOS 2311/14/19-3330 DASD DEVICE INDEPENDENCE ROUTINES SYSTEMS GUIDE - FDP NUMBER 5798-ALK
This 98 page document describes the steps necessary to modify the DOS 2311/14/19-3330 DASD Device Independence Routines FDP written in Assembler Language for the System 360/370 (DOS). This program provides the DOS user device independence between 2311/14/19 and 3330 disk files. These routines dynamically modify (at OPEN time) any program written in any language that uses Index Sequential, Sequential, Direct Access, or PIOCS in a standard manner.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.
Guide, 98 pages

GB21-0704

BURROUGHS 100/200/300/500 BASIC ASSEMBLER LANGUAGE TO IBM DOS ALC CONVERSION AID FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-AMC

This 4 page document describes the purpose and highlights of Burroughs 100/200/300/500 Basic Assembler Language to IBM DOS ALC Conversion Aid for the System/360, 370. Written in ALC this program assists in the conversion of Burroughs 100/200/300/500 Series Basic Assembly Language programs to IBM DOS Assembler Language. There are three phases in the conversion process: language translation, manual editing of intermediate output and correction of diagnostics, DOS Assembly. The translation system operates on a System/360 (model 22 or above) or System/370 under DOS. A minimum partition of 14 bytes is required.

This Availability Notice contains complete ordering instruction for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who required information concerning it.
Flyer, 4 pages

SB21-0705

BURROUGHS 100/200/300/500 BASIC ASSEMBLER LANGUAGE TO IBM DOS ALC CONVERSION AID FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AMC

This 56 page document describes the capabilities of the FDP and the programs of the Burroughs 100/200/300/500 Series Basic Assembly Language programs to IBM DOS Assembler Language. There are three phases in the conversion process: language translation, manual editing of intermediate output and correction of diagnostics, DOS Assembly. The translation system operates on a System/360 (model 22 or above) or System/370 under DOS. A minimum partition of 14K bytes is required.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 56 pages

LB21-0706

BURROUGHS 100/200/300/500 BASIC ASSEMBLER LANGUAGE TO IBM DOS ALC CONVERSION AID FOR SYSTEM/360, 370 SYSTEMS GUIDE - FDP NUMBER 5798-AMC

This 16 page document describes the steps necessary to modify the Burroughs 100/200/300/500 Basic Assembler Language to IBM DOS ALC Conversion Aid written in ALC Conversion Aid for the System/360,370. This program assists

in the conversion of Burroughs 100/200/300/500 Basic Assembler Language to IBM DOS Assembler Language. There are three phases in the conversion process: language translation, manual editing of intermediate output and correction of diagnostics, DOS Assembly. The translation system operates on a System/360 (model 22 or above) or System/370 under DOS. A minimum partition of 14K bytes is required.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.
Guide, 16 pages

GB21-0734

ARITHMETIC PROFICIENCY TRAINING PROGRAM USING SYSTEM/360 FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-ALY *N
This 6 page document describes the purpose and highlights of Arithmetic Proficiency Training Program Using System/360 for System/360, 370. Written in Coursewriter III and Assembler Language and operating on System/360, 370, this program is a computerized test-and-practice program designed to assist the student in improving his computational skills in the basic operations on whole numbers, fractions, mixed numbers, decimals and percents. By interspersed diagnostic testing, it directs a student to practice only those skills in which he is judged deficient. The program covers five skill areas of arithmetic and include twenty-nine sets of skills called molecules. Statistics on the student's progress are kept for teacher review.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.
Notice, 6 pages

SB21-0735

ARITHMETIC PROFICIENCY TRAINING PROGRAM USING SYSTEM/360 FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ALY *N

This 155 page document describes the capabilities of the Arithmetic Proficiency Training Program Using System/360, 370. Written in Coursewriter III and Assembler Language, is a computerized test-and-practice program designed to assist the student in improving his computational skills in the basic operations on whole numbers, fractions, mixed numbers, decimals and percents. By interspersed diagnostic testing, it directs a student to practice only those skills in which he is judged deficient. The program covers five skill areas of arithmetic and include twenty-nine sets of skills called molecules. Statistics on the student's progress are kept for teacher review.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 155 pages

LB21-0736

ARITHMETIC PROFICIENCY TRAINING PROGRAM USING SYSTEM/360, 370 SYSTEMS GUIDE - FDP NUMBER 5798-ALY *N
This 105 page document describes the steps necessary to modify the Arithmetic Proficiency Training Program Using System/360, 370 written in Coursewriter III and Assembler Language. This program is a computerized test-and-practice program designed to assist the student in improving his computational skills in the basic operations on whole numbers, fractions, mixed numbers, decimals and percents. By interspersed diagnostic testing, it directs a student to practice only those skills in which he is judged deficient. The program covers five skill areas of arithmetic and include twenty-nine sets of skills called molecules. Statistics on the student's progress are kept for teacher review.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.
Guide, 105 pages

GB21-0740

DOS 3330 DATA SET CONVERSION AID AVAILABILITY NOTICE - FDP NUMBER 5798-AMN *N

This 2 page document describes the purpose and highlights of DOS 3330 Data Set Conversion Aid FDP. This FDP, written in ALC, provides the S/360/370 DOS user with a facility to copy data sets from one DASD to a 3330. Based upon parameters submitted by the user, the program will produce DOS Assembler programs which can be compiled and executed to perform the actual conversion of each data set. The 3330 Data Set Conversion Aid provides support for users converting from 2311, 14, 19 to the 3330 DASF.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.
Manual, 2 pages

SB21-0741

DOS 3330 DATA SET CONVERSION AID PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AMN *N
This 23 page document describes the capabilities and the programs of the DOS 3330 Data Set Conversion Aid. This FDP, written in ALC, provides the S/360/370 DOS user with a facility to copy data sets from one DASD to a 3330. Based upon parameters submitted by the user, the program will produce DOS Assembler programs which can be compiled and executed to perform the actual conversion of each data set. The 3330 Data Set Conversion Aid provides support for users converting from 2311, 14, 19 to the 3330 DASF.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 23 pages

LB21-0742

DOS 3330 DATA SET CONVERSION AID SYSTEMS GUIDE - FDP NUMBER 5798-AMN *N

This 13 page document describes the steps necessary to modify the DOS 3330 Data Set Conversion Aid FDP. This FDP, written in ALC, provides the S/360/370 DOS user with a facility to copy data sets from one DASD to a 3330. Based upon parameters submitted by the user, the program will produce DOS Assembler programs which can be compiled and executed to perform the actual conversion of each data set. The 3330 Data Set Conversion Aid provides support for users converting from 2311, 14, 19 to the 3330 DASF.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modification, diagnose program errors and perform program maintenance.
Guide, 13 pages

GB21-0749

CUSTOMER INFORMATION FILE (CIF) USING CICS UNDER OS/VS1 AVAILABILITY NOTICE - FDP NUMBER 5798-AMR *N

The CIF package, written in OS Assembler, provides facilities for building, maintaining, and inquiry into a customer name and address file containing pointers to customer records on application files. Input to the system is name and address records (converted to a standard format) for existing application files. Batch CIF programs standardize this data, generate unique customer name keys and build a CIF based upon customer name. Additionally, application index files (AIFs) are built which point to the customers in the CIF for each account. Report programs are included to extract information from the files in several formats. CICS provides online facilities for inquiry and maintenance of both types of files. Utilizes CICS Version 2.2 under either OS Release 21 or OS/VS Release .1.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.
Notice, 6 pages

SB21-0750

CUSTOMER INFORMATION FILE (CIF) USING CICS UNDER OS/VS1 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AMR *N
This 269 page document describes the capabilities of the FDP and the programs of the Customer Information File (CIF) using CICS under OS/VS1. The CIF package, written in OS Assembler, provides facilities for building, maintaining, and inquiry into a customer name and address file containing pointers to customer records in application files. Input to the system is name and address records (converted to a standard format) for existing application files. Batch CIF program standardize this data, generate unique customer name keys and build a CIF based upon customer name. Additionally, application index files (AIFs) are built which point to the customers in the CIF for each account. Report programs are included to extract information from the files in several formats. CICS provides online facilities for inquiry and maintenance of both types of files. Utilizes CICS Version 2.2 under either OS Release 21 or OS/VS1 Release .1.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 269 pages

LB21-0751

CUSTOMER INFORMATION FILE (CIF) USING CICS UNDER OS/VS1 SYSTEMS GUIDE - FDP NUMBER 5798-AMR *N

This 177 page document describes the steps necessary to modify the Customer Information File (CIF) using CICS under OS/VS1. The CIF package, written in OS Assembler, provides facilities for building, maintaining, and inquiry into a customer name and address file containing pointers to customer records in application files. Input to the system is name and address records (converted to a standard format) for existing application files. Batch CIF programs standardize this data, generate unique customer name keys and build a CIF based upon customer name. Additionally, application index files (AIFs) are built which point to the customers in the CIF for each account. Report programs are included to extract information from the files in several

formats. CICS provides online facilities for inquiry and maintenance of both types of files. Utilizes CICS Version 2.2 under either OS Release 21 or OS/VS1 Release .1.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.
Guide, 177 pages

GB21-0761

STREAM - A3270 INFORMATION DISPLAY SYSTEM PROGRAMMING FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-ANE
This 4 page document describes the purpose and highlights of STREAM - A3270 Information Display System Programming Aid for the System/360, 370. Written in BAL, this program, which is comprised of a macro and a support module, is designed to facilitate the use of the wide variety of advance facilities available on the 3270 IDS. This DSP will assist the programmer in the detailed structuring and analysis of data and control characters. The FDP consists of two basic parts. The first is a support module that is assembled once and catalogued by the user. The second is the programmer interface. When the user wishes to activate the STREAM system, he will issue a series of STREAM macros (BAL) of high-level language STREAM calls.

This Availability Notice contains complete ordering instruction for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.
Flyer, 4 pages

SB21-0762

STREAM - A3270 INFORMATION DISPLAY SYSTEM PROGRAMMING AID FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL FDP NUMBER 5798-ANE
This 49 page document describes the capabilities of the FDP and the programs of the STREAM - A3270 Information Display System Programming Aid. Written in OS/DOS, for the System/360, 370, this system, which is comprised of a macro and a support module, is designed to facilitate the use of the wide variety of advance facilities available on the 3270 IDS. This FDP will assist the programmer in the detailed structuring and analysis of data and control characters. The FDP consists of two basic parts. The first is a support module that is assembled once and catalogued by the user. The second is the programmer interface. When the user wishes to activate the STREAM system, he will issue a series of STREAM macros (BAL) or high-level language STREAM calls.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 49 pages

LB21-0763

STREAM - A3270 INFORMATION DISPLAY SYSTEM PROGRAMMING AID FOR SYSTEM/360, 370 SYSTEMS GUIDE - FDP NUMBER 5798-ANE
This 19 page document describes the steps necessary to modify the STREAM - A3270 Information Display System Programming Aid written in BAL for the System/360, 370. This program, which is comprised of macro and a support module, is designed to facilitate the use of the wide variety of advance facilities available on the 3270 IDS. This FDP will assist the programmer in the detailed structuring and analysis of data and control characters. The FDP consists of two basic parts. The first is a support module that is assembled once and catalogued by the user. The second is the programmer interface. When the user wishes to activate the STREAM system, he will issue a series of STREAM macros (BAL) or high-level language STREAM calls.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.
Guide, 19 pages

GB21-0764

TELLER CONTROL SYSTEM UNDER CICS/DOS/360-370 ONLINE AVAILABILITY NOTICE - FDP NUMBER 5798-AND
The on-line Teller Control system will provide to a financial institution a higher level of customer satisfaction and improved internal control. It operates under control of the IBM CICS Program Product/DOS-Standard (5736-XX7). Together, they provide an integrated data base/data communications system which supports the teller functions required to process savings transactions, memo-post DDA transactions, and control to the teller monetary position for other transactions using the IBM 2980 terminal system.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.
Notice

SB21-0765

TELLER CONTROL SYSTEM UNDER CICS/DOS/360-370 ONLINE PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AND
This 126 page document describes the capabilities of the FDP and the programs of the Teller Control System Under CICS/DOS/360-370 on-line. Written in DOS, the on-line Teller Control system will provide to a financial institution a higher level of customer satisfaction and improved internal control. It operates under control of the IBM CICS Program Product/DOS-Standard (5736-XX7). Together, they provide an integrated data base/data communications system which supports the teller functions required to process savings transactions, memo-post DDA transactions, and control to the teller monetary position for other transactions using the IBM 2980 terminal system.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 126 pages

LB21-0766

TELLER CONTROL SYSTEM UNDER CICS/DOS/360-370 ONLINE SYSTEMS GUIDE - FDP NUMBER 5798-AND
This 100 page document describes the steps necessary to modify the Teller Control System online FDP written in DOS for the S/360. The online Teller Control system will provide to a financial institution a higher level of customer satisfaction and improved internal control. It operates under control of the IBM CICS Program Product/DOS-Standard (5736-XX7). Together, they provide an integrated data base/data communications system which supports the teller functions required to process savings transactions, memo-post DDA transactions, and control to the teller monetary position for other transactions using the IBM 2980 terminal system.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.
Guide, 100 pages

SB21-0777

TELLER CONTROL FOR SYSTEM/370 OS PDOM - FDP NUMBER 5798-ANN
No abstract available.
Manual, 194 pages

GB21-0800

CPU CONSOLE AS SYSTEM/360, 370 CICS MASTER TERMINAL FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-ANK
This 2 page document describes the purpose and highlights of CPU Console as System/360, 370 CICS Master Terminal for System/360, 370. Written in Bal, this program allows the user to utilize the CPU console as a master terminal. CICS transactions can be requested from the console, messages can be sent from terminals to the console, and CICS error messages can be routed to the console. The program requires no modification to CICS and allows normal operating system use of the console.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.
Notice, 2 pages

SB21-0801

CPU CONSOLE AS SYSTEM/360, 370 CICS MASTER TERMINAL FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ANK
This 31 page document describes the capabilities of the FDP and the programs of the CPU Console as System/360, 370 CICS Master Terminal. Written in Bal for the System/360, 370, this system running under CICS DOS Entry, DOS Standard and OS Standard, Version 2, allows the user to utilize the CPU console as a master terminal. CICS transactions can be requested from the console, and CICS error messages can be routed to the console. The program requires no modification to CICS and allows normal operating system use of the console.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 31 pages

LB21-0802

CPU CONSOLE AS SYSTEM/360, 370 CICS MASTER TERMINAL FOR SYSTEM/360, 370 SYSTEMS GUIDE - FDP NUMBER 5798-ANK
This 24 page document describes the steps necessary to modify the CPU Console as System/360, 370 CICS Master Terminal written in Bal for the System/360, 370. This program running under CICS DOS Entry, DOS Standard and OS Standard, Version 2, allows the user to utilize the CPU console as a mater terminal. CICS transactions can be requested from the console, messages can be sent from terminals to the console, and CICS error messages can be routed to the console. The program requires no modification to CICS and allows normal operating system use of the console.

This systems guide provides the Systems Analyst with the

necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.
Guide, 24 pages

GB21-0836

BURROUGHS 2500 SERIES COBOL TO IBM ANS COBOL CONVERSION AID AVAILABILITY NOTICE - FDP NUMBER 5798-APH *N

This 6 page document describes the purpose and highlights of the FDP. This FDP written in ALC is a series of programs, subroutines, and procedures designed to address many of the problems encountered when converting from Burrough 2500 Series COBOL to IBM ANS COBOL. The translation system was designed to operate under either DOS or OS, and produce COBOL code to be compiled under OS, DOS, or S/3. A data conversion utility program is provided to convert Burroughs tape files to standard IBM files. It is designed to convert 7 track BCL or BCD, 9 track EBCDIC or ASCII or, via a user exit, a user-specified code. The data conversion utility offers the user great flexibility of data handling and formatting during the conversion process. The FDP will operate under OS on a S/360/370 with a 44K byte or larger region, and under DOS on a S/360/370 with a minimum of 48K bytes of storage.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.
Notice, 6 pages

SB21-0837

BURROUGHS 2500 SERIES COBOL TO IBM ANS COBOL CONVERSION AID PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-APH *N

This 46 page document describes the capabilities of the FDP and the programs of the Burroughs 2500 series COBOL to IBM ANS COBOL Conversion Aid. This FDP written in ALC is a series of programs, subroutines, and procedures designed to address many of the problems encountered when converting from Burrough 2500 Series COBOL to IBM ANS COBOL. The translation system was designed to operate under either DOS or OS, and produce COBOL code to be compiled under OS, DOS, or S/3. A data conversion utility program is provided to convert Burroughs tape files to standard IBM files. It is designed to convert 7 track BCL or BCD, 9 track EBCDIC or ASCII or, via a user exit, a user-specified code. The data conversion utility offers the user great flexibility of data handling and formatting during the conversion process. The FDP will operate under OS on a S/360/370 with a 44K byte or larger region, and under DOS on a S/360/370 with a minimum of 48K bytes of storage.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 46 pages

LB21-0838

BURROUGHS 2500 SERIES COBOL TO IBM ANS COBOL CONVERSION AID SYSTEMS GUIDE - FDP NUMBER 5798-APH *N

This 146 page document describes the steps necessary to modify the Burroughs 2500 Series COBOL to IBM ANS COBOL Conversion Aid written in ALC for the S/360/370. This FDP written in ALC is a series of programs, subroutines, and procedures designed to address many of the problems encountered when converting from Burrough 2500 Series COBOL to IBM ANS COBOL. The translation system was designed to operate under either DOS or OS, and produce COBOL code to be compiled under OS, DOS, or S/3. A data conversion utility program is provided to convert Burroughs tape files to standard IBM files. It is designed to convert 7 track BCL or BCD, 9 track EBCDIC or ASCII or, via a user exit, a user-specified code. The data conversion utility offers the user great flexibility of data handling and formatting during the conversion process. The FDP will operate under OS on a S/360/370 with a 44K byte or larger region, and under DOS on a S/360/370 with a minimum of 48K bytes of storage.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modification, diagnose program errors and perform program maintenance.
Guide, 146 pages

SB21-0852

THE TELLER CONTROL SYSTEM UNDER CICS/DOS/360-370 OFF-LINE PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-APX *N

This 67 page document describes the capabilities of the FDP and the programs of the Teller Control System under CICS/DOS/360-370 off-line. Written in DOS the off-line Teller Control System complements the on-line system by performing necessary file creation and maintenance and produces daily reports for the user.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 67 pages

LB21-0853

TELLER CONTROL SYSTEM UNDER CICS/DOS/360-370 OFF-LINE SYSTEMS GUIDE - FDP NUMBER 5798-APX *N

This 96 page document describes the steps necessary to modify the Teller Control System under CICS/DOS/360-370 written in DOS. The off-line Teller Control system complements the on-line system by performing necessary file creation and maintenance and produces daily reports for the user.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.
Guide, 96 pages

GB21-0857

OS/DITTO AVAILABILITY NOTICE - FDP NUMBER 5798-ARD *N

This 4 page document describes the purpose and highlights of OS/DITTO. Written in Assembler, this program is a generalized utility program that provides most of the normal card, tape, and disk utility functions, thus eliminating the necessity of using several different OS utility programs. The functions provided are the equivalent of the functions provided by the DOS/DITTO FDP (5798-ARN).

DOS/DITTO, written in ALC, is a general purpose utility program containing thirty-seven utility functions for Unit Record, Tape and Disk Input/Output units. Functional utilities are: Tape and Disk Record Scan, Disk and Tape Record Alteration, Disk ID Volume Number Charge, Deblocking and Tape Records when printing, and User Tape Error Correction. DOS/DITTO is an enhanced version of the Type III program DITTO-360D.00.1.018. It requires a S/360, 370 with a minimum partition size of 16K and supports 3330 devices. This FDP was approved and announced in October 1972.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.
Notice, 4 pages

SB21-0858

OS/DITTO PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ARD *N

This 33 page document describes the capabilities of the FDP and the programs of the OS/DITTO. Written in Assembler, this program is a generalized utility program that provides most of the normal card, tape, and disk utility functions, thus eliminating the necessity of using several different OS utility programs. The functions provided are the equivalent of the functions provided by the DOS/DITTO FDP (5798-ARN).

DOS/DITTO, written in ALC, is a general purpose utility program containing thirty-seven utility functions for Unit Record, Tape and Disk Input/Output units. Functional utilities are: Tape and Disk Record Scan, Disk and Tape Record Alteration, Disk ID Volume Number Charge, Deblocking and Tape Records when printing, and User Tape Error Correction. DOS/DITTO is an enhanced version of the Type III program DITTO-360D.00.1.018. It requires a S/360, 370 with a minimum partition size of 16K and supports 3330 devices. This FDP was approved and announced in October 1972.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 33 pages

LB21-0859

OS/DITTO SYSTEMS GUIDE - FDP NUMBER 5798-ARD *N

This 13 page document describes the steps necessary to modify the OS/DITTO. Written in Assembler, this program is a generalized utility program that provides most of the normal card, tape, and disk utility functions, thus eliminating the necessity of using several different OS utility programs. The functions provided are the equivalent of the functions provided by the DOS/DITTO FDP (5798-ARN).

DOS/DITTO, written in ALC, is a general purpose utility program containing thirty-seven utility functions for Unit Record, Tape and Disk Input/Output units. Functional utilities are: Tape and Disk Record Scan, Disk and Tape Record Alteration, Disk ID Volume Number Charge, Deblocking and Tape Records when printing, and User Tape Error Correction. DOS/DITTO is an enhanced version of the Type III program DITTO-360D.00.1.018. It requires a S/360, 370 with a minimum partition size of 16K and supports 3330 devices. This FDP was approved and announced in October 1972.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.
Manual, 13 pages

GB21-0875

DOS/DITTO FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-ARN *N

This 2 page document describes the purpose and highlights of DOS/DITTO for the System/360, 370. Written in ALC, this program is a general purpose utility program containing

thirty-seven (37) utility functions for Unit Record, Tape and Disk Input/Output units. Functional utilities are: Tape and Disk Record Scan, Disk and Tape Record Alteration, Disk ID Volume Number Charge, Deblocking and Tape Records when printing, and User Tape Error Correction. DOS/DITTO is an enhanced version of the Type III program DITTO-360D.00.1.018. DOS/DITTO requires a System/360, 370 with a minimum partition size of 16K.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.
Notice, 2 pages

SB21-0876

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DOS/DITTO FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ARN

This 28 page document describes the capabilities of the FDP and the programs of DOS/DITTO. Written in ALC for the System/360, 370, this program is a general utility program containing thirty-seven (37) utility functions for Unit Record, Tape and Disk Input/Output units. Functional utilities are: Tape and Disk Record Scan, Disk and Tape Record Alteration, Disk ID Volume Number Charge, Deblocking and Tape Records when printing, and User Tape Error Correction. DOS/DITTO is an enhanced version of the Type III program DITTO-360D.00.1.018. DOS/DITTO requires a System/360, 370 with a minimum partition size of 16K.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 28 pages

LB21-0877

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DOS/DITTO FOR SYSTEM/360, 370 SYSTEMS GUIDE - FDP NUMBER 5798-ARN

This 13 page document describes the capabilities of the FDP and the programs of the DOS/DITTO. Written in ALC for the System/360, 370, this system is a general purpose utility program containing thirty-seven (37) utility functions for Unit Record, Tape and Disk Input/Output units. Functional utilities are: Tape and Disk Record Scan, Disk and Tape Record Alteration, Disk ID Volume Number Charge, Deblocking and Tape Records when printing, and User Tape Error Correction. DOS/DITTO-360D.00.1.018. DOS/DITTO requires a System/360, 370 with a minimum partition size of 16K.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.
Guide, 13 pages

GB21-0890

*N

DOS FILE GENERATION UTILITY AVAILABILITY NOTICE - FDP NUMBER 5798-ARX

The availability notice is a marketing oriented document that describes the purpose and capabilities of the program, advantages of design, and problems solved by the program referenced in the title.
Notice, 4 pages

SB21-0891

*N

DOS FILE GENERATION UTILITY PDOM - FDP NUMBER 5798-ARX

This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described and primary processing procedures specified. This manual is both a system description and an installation and operations reference document.
Manual, 46 pages

LB21-0892

*N

DOS FILE GENERATION UTILITY SYSTEMS GUIDE - FDP NUMBER 5798-ARX

No abstract available.
Guide, 13 pages

GB21-0908

*N

IMS/360 2260-3270 CONVERSION AID FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-ASG

This 2 page document describes the purpose and highlights of IMS/360 2260-3270 Conversion Aid for the System/360, 370. Written in Assembler, this offering will provide IMS/360 Level 2.3 users with a conversion aid for gradual transition from IBM 2260 to IBM 3270 operations. Simulating a 960-character IBM 2260 screen on a 1920-character IBM 3270 screen, the FDP allows the user to continue operations in simulated 2260 mode while converting his applications to 3270 native mode operation. This conversion aid will not be provided beyond Level 2.3 of IMS/360.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.
Notice, 2 pages

SB21-0909

*N

IMS/360 2260-3270 CONVERSION AID FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ASG

This 55 page document describes the capabilities of the FDP and the programs of the IMS/360 2260-3270 Conversion Aid. Written in Assembler for the System/360, 370 this offering will provide IMS/360 Level 2.3 users with a conversion aid for gradual transition from IBM 2260 to IBM 3270 operations. Simulating a 960-character IBM 2260 screen on a 1920-character IBM 3270 screen, the FDP allows the user to continue operation in simulated 2260 mode while converting his applications to 3270 native mode operation. This conversion aid will not be provided beyond Level 2.3 of IMS/360.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 55 pages

LB21-0910

*N

IMS/360 2260-3270 CONVERSION AID FOR SYSTEM/360, 370 SYSTEMS GUIDE - FDP NUMBER 5798-ASG

This 30 page document describes the steps necessary to modify the IMS/360 2260-3270 Conversion Aid written in Assembler for the System/360, 370. This offering will provide the IMS/360 Level 2.3 users with a conversion aid for gradual transition from IBM 2260 to IBM 3270 operations. Simulating a 960-character IBM 2260 screen on a 1920-character IBM 3270 screen, the FDP allows the user to continue operations in simulated 2260 mode while converting his applications to 3270 native mode operation. This conversion aid will not be provided beyond Level 2.3 of IMS/360.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.
Guide, 30 pages

GB21-0935

HEALTH CARD SUPPORT/ADMISSIONS SYSTEM FOR SYSTEM/370 AVAILABILITY NOTICE - FDP NUMBER 5798-ASZ

This 4 page document describes the purpose and highlights of Health Care Support/Admissions System for System/370. Written in COBOL, this set of DOS/CICS/ANS COBOL programs provides the following functions utilizing the IBM 3270 Information Display System:

- o Preadmissions
- o Transfers
- o Admissions
- o Discharges
- o Inquiries for information about patients and beds
- o Communication with the patient accounting system

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.
Notice, 4 pages

GB21-0938

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DATA COMPRESSION/EXPANSION FOR S/360/370 AVAILABILITY NOTICE FDP NUMBER 5798-ATB

This 2 page document describes the purpose and highlights of Data Compression/Expansion for S/360/370. This FDP written in ALC is designed to reduce off-line storage requirements for alphanumeric data. The COMPRESS routine provided compresses 8-bit alphanumeric bytes into a 6-bit form, thus reducing storage requirements by 25%. The EXPAND routine restores the data to its original 8-bit format for printing or display purposes. The sub-routines can be accessed by OS or DOS programs written in COBOL, PL/I, RPG, or ALC.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.
Notice, 2 pages

SB21-0939

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DATA COMPRESSION/EXPANSION FOR S/360/370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ATB

This FDP written in ALC is designed to reduce off-line storage requirements for alphanumeric data. The COMPRESS routine provided compresses 8-bit alphanumeric bytes into a 6-bit form, thus reducing storage requirements by 25%. The EXPAND routine restores the data to its original 8-bit format for printing or display purposes. The sub-routines can be accessed by OS or DOS programs written in COBOL, PL/I, RPG, or ALC.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 13 pages

GB21-0963

*N

HEALTH CARE SUPPORT/PATIENT HISTORY SYSTEM FOR SYSTEM/370 AVAILABILITY NOTICE - FDP NUMBER 5798-ARR

This 4 page document describes the purpose and highlights of

Health Care Support/Patient History System for System/370. Written in ANS COBOL, 370 ALC the Patient History System provides for self-administered on-line collection of medical history data, using the IBM 3277 or 3275 video display terminal with light pen. Optionally, data may be entered via the IBM 3505 or 2540 card readers after extraction from off-line questionnaires. Patient summaries can immediately be printed at the IBM 3286 remote printers, or on high speed printers at the central computer.

This system contains no medical data. Questions, text for the printed history summaries, and formats for printing summaries are defined on two types of special coding forms by the user. These definitions are punched into cards and processed through generation programs of the Patient History System to create control files. These files are then used by the system in the collection and printing of patient data.

This system operates under either OS or DOS. The on-line programs use CICS standard data base/data communication facilities.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it. Notice, 4 pages

instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it. Notice, 4 pages

- SB21-0976 *N
INTERACTIVE PLOTTING POST PROCESSOR FOR APT UNDER CMS
PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ATX
 This 39 page document describes the capabilities of the FDP and the programs of the Interactive Plotting Post Processor for APT Under CMS, and is written in Assembler PL/I. Users of CMS APT (FDP 5798-AGD) may now plot the Cutter Location File (CLFILE) which results form the execution of the APT processor. The plotting device may be either a CRT or a pen plotter which is attached to the users 2741 or Teletype terminal. The plot provides visual validation of the part program, reducing the likelihood of error in the NC tape. This FDP is written in Assembler and PL/I for the S/360-67 or S/370-VS.
 This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program. Manual, 39 pages
- SB21-0964 *N
HEALTH CARE SUPPORT/PATIENT HISTORY SYSTEM FOR SYSTEM/370
PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ATR
 This 163 page document describes the capabilities of the FDP and the programs of the Health Care Support/Patient History System for System/370. Written in ANS COBOL, 370 ALC the Patient History System provides for self-administered on-line collection of medical history data, using the IBM 3277 or 3275 video display terminal with light pen. Optionally, data may be entered via the IBM 3505 or 2540 card readers after extraction from off-line questionnaires. Patient summaries can immediately be printed at the IBM 3286 remote printers, or on high speed printers at the central computer.
 This system contains no medical data. Questions, text for the printed history summaries, and formats for printing summaries are defined on two types of special coding forms by the user. These definitions are punched into cards and processed through generation programs of the Patient History System to create control files. These files are then used by the system in the collection and printing of patient data.
 This system operates under either OS or DOS. The on-line programs use CICS Standard data base/data communication facilities.
 This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program. Manual, 163 pages
- GB21-9945 *N
DATA EDITING AND FORMATTING AIDS FOR S/360/370 REFERENCE
CARD - FDP NUMBER 5798-AKS
 This reference card contains a grouping of 36 assembler macros providing 31 unique functions related to data and text editing. Reference card, 4 cards
- GB21-9947 *N
S/360-S/370 YALE ALUMNI RECORDS DATA SYSTEM (YARDS)
MARKETING MATERIALS FOLDER - IUP NUMBER 5796-ABF
 YARDS is an alumni fund raising system with solicitation and donation history files. It has a command language for non data processing people to manipulate the files for solicitation purposes by a wide range of fund raising organizations. It uses OS/360 ANS COBOL Version 2 and runs under MFT or MVT in an 80K region or partition using ISAM. In addition to increased solicitations, alumni relations are improved. YARDS permits a user to spend his time planning "how to approach" rather than "whom to approach". This folder is to be left with prospects upon completion of a sales presentation. Folder, 16 pages
- GB21-9949 *N
CUSTOMER FDP/IUP POCKET INFORMATION BROCHURE
 This information brochure is intended for customer consumption and reflects the inventory of all available FDP's and IUP's. It contains all program numbers, prices, and all general informational and promotional manuals available to our customers. Reference Card
- LB21-0965 *N
HEALTH CARE SUPPORT/PATIENT HISTORY SYSTEM FOR SYSTEM/370
SYSTEMS GUIDE - FDP NUMBER 5798-ATR
 This 79 page document describes the steps necessary to modify the Health Care Support/Patient History System for System/370. Written in ANS COBOL, 370 ALC the Patient History System provides for self-administered on-line collection of medical history data, using the IBM 3277 or 3275 video display terminal with light pen. Optionally, data may be entered via the IBM 3505 or 2540 card readers after extraction from off-line questionnaires. Patient summaries can immediately be printed at the IBM 3286 remote printers, or on high speed printers at the central computer.
 This system contains no medical data. Questions, text for the printed history summaries, and formats for printing summaries are defined on two types of special coding forms by the user. These definitions are punched into cards and processed through generation programs of the Patient History System to create control files. These files are then used by the system in the collection and printing of patient data.
 This system operates under either OS or DOS. The on-line programs use CICS Standard data base/data communication facilities.
 This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance. Manual, 79 pages
- GB21-9981
VEHICLE MAINTENANCE AND COST ANALYSIS SYSTEM - MARKETING
GUIDE - PROGRAM NUMBER 5798-AAG
 FDP for vehicle maintenance and cost analysis to assist users in the installation of a maintenance control system without the laborious and time consuming activities inherent in a manual system. Marketing Guide, Customer Oriented Material, 26 pages
- GB21-9985
TIME SHARING OPTION ON-LINE COBOL SYMBOLIC DEBUG REQUESTS
REFERENCE SUMMARY FOR FDP
 No abstract available. Reference Card, 2 pages
- GB21-9986
SMF SELECTABLE ANALYZER AND ACCOUNTING FOR DP OPERATIONS
FDP REPORTS MANUAL, PROG. NO. 5798-ARR
 The SMF selectable analyzer correlates data and presents individual reports and information on optimizing operations. Manual, 32 pages
- LCB6-3772
IBM SYSTEM/360 OS ASSEMBLER H - PROGRAM NUMBER 5734-AS1
 The IBM System/360 Operating System Assembler H 5734-AS1 is an assembler language processor that extends the basic assembler language and the macro and conditional-assembly language. It is designed to perform high-speed assemblies on IBM System/360, Models 40 and larger, that have at least 256K bytes of main storage. Microfiche, 84 cards
- LCB8-6757
SYSTEM/360 DISK OPERATING SYSTEM SORT/MERGE
PROGRAM NUMBER 5736-SM1
 Contains Type I OS Program Listings and DOS/OS PTF listing. Microfiche, 64 cards
- GB21-0975 *N
INTERACTIVE PLOTTING POST PROCESSOR FOR APT UNDER CMS
AVAILABILITY NOTICE - FDP NUMBER 5798-ARX
 This four page document describes the purpose and highlights of Interactive Plotting Post Processor for APT Under CMS, and is written in Assembler, PL/I. Users of CMS APT (FDP 5798-AGD) may now plot the Cutter Location File (CLFILE) which results form the execution of the APT processor. The plotting device may be either a CRT or a pen plotter which is attached to the users 2741 or Teletype terminal. The plot provides visual validation of the part program, reducing the likelihood of error in the NC tape. This FDP is written in Assembler and PL/I for the S/360-67 or S/370-VS.
 This Availability Notice contains complete ordering

GCB8-6796

IBM 2947-4 CHECK COLLECTION CONTROLLER (RPO #888264)
SEQUENTIAL ACCESS METHOD (CSAM) MAIN MODULE-DOS
MICROFICHE LISTING, PROG. NO. 5799-WAF
 Assembly Program Listing for the Main Module of Program 5799-WAF. Data Management and I/O Routines for the 2947-4.
 Microfiche

GCB8-6797

IBM 2947-4 CHECK COLLECTION CONTROLLER (RPO #888264)
SEQUENTIAL ACCESS METHOD (CSAM) ERR MODULE-DOS
MICROFICHE LISTING - PROGRAM NUMBER 5799-WAF
 Assembly Program Listing for the Error Recovery Routine/Procedures Module of Program 5799-WAF.
 Microfiche

GCB8-6798

IBM 2947-4 CHECK COLLECTION CONTROLLER (RPO #888264)
SEQUENTIAL ACCESS METHOD (CSAM) MAIN MODULE-OS
MICROFICHE LISTING - PROGRAM NUMBER 5799-WAG
 Assembly Program Listing for the Main Module of Program 5799-WAG. Data Management and I/O Routines for the 2947-4.
 Microfiche

GCB8-6799

IBM 2947-4 CHECK COLLECTION CONTROLLER (RPO #888264)
SEQUENTIAL ACCESS METHOD (CSAM) ERR MODULE-OS
MICROFICHE LISTING - PROGRAM NUMBER 5799-WAG
 Assembly Program Listing for the Error Recovery Routine/Procedures Module of Program 5799-WAG.
 Microfiche

SC09-0007

VANDL-1 PRPO DESCRIPTION AND OPERATION MANUAL (VANCOUVER DATA LANGUAGE ONE) - PROGRAM NUMBER 5799-AEY
 This manual provides a general introduction to VANDL-1 which consists of processing modules designed to facilitate the implementation of small to medium data bases under DOS.
 DP Manual, 228 pages

GC19-0001

IBM SYSTEM/360 WORLD TRADE INSTALLATION MANUAL PHYSICAL PLANNING
 This manual contains preliminary information necessary for planning the physical installation of the IBM System/360 in World Trade countries. It includes floor planning information, as well as electrical, environmental, and structural requirements. Detailed cable charts are provided. In addition, 60-Hz installation requirements are also included. This publication is intended for IBM World Trade use by customer and IBM Installation Planning personnel, as well as architects and electrical and building contractors.
 Manual, 352 pages

GC19-0004

IBM SYSTEM/370 INSTALLATION MANUAL -- PHYSICAL PLANNING
 Contains information necessary for planning the physical installation of the IBM System/370 in World Trade countries. It includes floor planning information, as well as electrical environmental, and structural requirements. Detailed cable charts are provided.
 Manual, 400 pages

GC20-1618

NUMBER SYSTEMS - STUDENT TEXT
 This IBM student text on number systems presents a brief review of the principles of positional notation, as applied to the binary and hexadecimal systems of notation. The publication covers the operations of binary and hexadecimal arithmetic, decimal-binary - hexadecimal base conversion, and the principles of base and base-minus-one complementation.
 Student Text, 32 pages

GC20-1619

CATALOG OF PROGRAMS FOR IBM SYSTEM/360 MODELS 25 AND ABOVE
 This Catalog contains a complete listing of all programs for the IBM System/360 available from the Program Information Department, 40 Saw Mill River Road, Hawthorne, New York 10532.
 Instructions for ordering programs are contained in the section of the Introduction entitled, "Completion of the IBM Program Order Form".
 See BOM Marketing Activity and Program Information section, Ordering Programs from PID subsection, as updated by BMR DP 203, Z239-4700-0, 4/1/72.
 Systems Reference Library Manual, 288 pages

SC20-1637

A GUIDE TO PL/I FOR FORTRAN USERS
 This manual is an introductory guide to PL/I written especially for those who have a working knowledge of FORTRAN

II or IV. No particular machine implementation of FORTRAN or PL/I has been assumed. Part 1 gives a broad survey of PL/I. A sample program illustrating some of the principle features of the language is explained step by step.

Part 2 gives sufficient detail for the user to be able to write a straightforward program for himself. It is not a rigorous exposition. Examples have been used to clarify the text. The terminology used is intended to be that which is familiar to a FORTRAN user

Part 3 describes concepts not familiar to FORTRAN users, although some of them are familiar to those who know COBOL or ALGOL. Where references to COBOL or ALGOL will help readers who know these languages, the reference is made, but the explanation is also given in full for those who do not.

This guide does not attempt to cover all the features of the language. Many facilities have not been mentioned at all, and some of the statements and features have not been explained in full detail.
 Student Text, 38 pages

SC20-1646

A PROGRAMMER'S INTRODUCTION TO IBM SYSTEM/360 ASSEMBLER LANGUAGE
 This student text is an introduction to System/360 Assembler Language coding. It provides many examples of short programs shown in assembled form. Some elementary programming techniques and the specific instructions illustrated in the programs are discussed in simple, relatively nontechnical terms. Much of the text is based on information in IBM SYSTEM/360 PRINCIPLES OF OPERATION (GA22-6821). This includes a brief review of relevant System/360 concepts and descriptions of selected assembler language instructions for arithmetic, logical, and branching operations. Standard (fixed-point), decimal, and floating-point arithmetic are discussed. The book also includes an elementary introduction to assembler language and the assembler program, and chapter on base register addressing and on program linkages and relocation. The coding of many other common programming techniques, such as the use of branches, loops, and counters, is shown. The use of macro instructions is demonstrated, but not covered in detail. Program flowcharting and input/output operations are beyond the scope of the book.

The publication is a sampler rather than a comprehensive textbook. It is intended for supplementary reading for the student in a regular course of study on System/360 assembler language coding, and for the novice programmer. In general, the reader will find that the program examples are quite simple at the beginning of each chapter, or major subject division, and become progressively more complex. If the going seems difficult, it is suggested that he simply skip to the next subject and come back later.

The student should have access to two IBM System/360 System Reference Library (SRL) manuals for reference purposes: the PRINCIPLES OF OPERATION and the assembler specification manual for one of the System/360 operating systems. (All publications and their form numbers are listed at the end of the Preface.) He should also be familiar with fundamental concepts of data processing and the basic operating principles of System/360. Two IBM programmed instruction (P.I.) courses, or their equivalent, are prerequisite to a full understanding of this student text: COMPUTING SYSTEM FUNDAMENTALS and INTRODUCTION TO SYSTEM/360. The student who is not enrolled in a comprehensive programming course will find the P.I. book FUNDAMENTALS OF PROGRAMMING a valuable guide to problem analysis and program flowcharting.
 Student Text, 160 pages

GC20-1649

INTRODUCTION TO IBM SYSTEM/360 DIRECT ACCESS STORAGE DEVICES AND ORGANIZATION METHODS

This text discusses the physical characteristics and capacities of the following Direct Access Storage Devices available for system/360 Models 25, 30, 44, 50, 65, 67, 75, and 85:

2301 Drum Storage
 2302 Disk Storage
 2303 Drum Storage
 2311 Disk Storage Drive
 2314 Direct Access Storage Facility
 2321 Data Cell Drive

The file organization methods and access methods provided for these devices by the IBM System/360 Operating System, the IBM System/360 Disk Operating System and the IBM System/360 Basic Operating System are also discussed. The uses of direct access storage, basic terminology, and the establishment of controls for a direct access system are other topics addressed by this text. Most of the chapters end with student exercises, answers to which may be found at the end of the manual.

No attempt at completeness is made. Refer to the publications listed in the Bibliography for additional details.
 Student Text, 120 pages

SC20-1651

A GUIDE TO PL/I FOR COMMERCIAL PROGRAMMERS
COURSE CODE P3668
 PL/I is a multipurpose, high-level programming language

that enables the programming not only of commercial and scientific applications but also of real-time and systems applications. It also permits a programmer to use the full power of his computer in an efficient manner and to program applications in a relatively machine-independent fashion.

This publication presents those features of PL/I that apply to commercial data processing. It does not restrict itself to a particular aspect of commercial data processing but attempts to discuss all features of PL/I that may be used in the full spectrum of commercial applications. Student Text, 70 pages

GC20-1667

INTRODUCTION TO IBM SYSTEM/360 ARCHITECTURE

This text is intended to introduce the student to the characteristics of System/360. It is expected that the student has some knowledge of computing systems. Student Text, 32 pages

GC20-1684

AN INTRODUCTION TO IBM DATA PROCESSING SYSTEMS

This manual presents concepts and principals essential to a basic knowledge of computers. It is designed for use in training programs that serve as prerequisites for a detailed study of an IBM system. Covered in general terms are topics such as Data Representation, Storage Devices, CPW Functions, I/O Devices, Stored Program Principles, Programming Systems, Operating Systems, Conversion, and Procedural Controls. Reference to specific Systems is made to illustrate general principles. Manual, 112 pages

GC20-1685

SYSTEM/360 DISK OPERATING SYSTEM USER'S GUIDE: CONTROL STATEMENT TECHNIQUES

This publication provides guidance in the use of control statements as related to compilations, linkage editing, utilities, sorts, and user programs. It presents tested examples with supporting explanations as an aid to understanding the input stream requirements for processing in the System/360 Disk Operating System environment. The control statements discussed are job control statements, linkage editor control statements, and operator command.

A list of related publications appears in the Preface. Systems Techniques Manual, 80 pages

GC20-1686

OCR INPUT PREPARATION GUIDE FOR THE IBM 1287/1288 OPTICAL CHARACTER READERS

This manual is a guide to achieving acceptable input quality for IBM's 1287 and 1288. The topics stressed include sample document designs from several application areas, human factors considerations, document design specifications and procedures, a discussion of important considerations for each type of OCR input device, and a description of some OCR support services available to IBM customers. DP Techniques Manual, 86 pages

GC20-1688

IBM 2260 DISPLAY STATION OPERATOR MANUAL

The IBM 2260 Display Station provides visual access to information stored in an IBM System/360. This manual familiarizes the operator with the function of each key on the keyboard. While the keyboard is similar to the familiar typewriter keyboard, the operator will find that seeing the keyed characters appear instantly on a TV-like screen will feel different from typing on paper.

The 2260 enters data into the System/360 through the 2848 Display Control. An IBM 1053 Printer can be attached to the 2848 to provide printed copy of the characters displayed on the screen.

The functions described refer to Models 1 and 2 of the 2260 Display Station; Models 1,2,3,21 and 22 of the 2848 Display Control; and Model 4 of the 1053 Printer. Systems Reference Library Manual, 24 pages

SC20-1689

AN INTRODUCTION TO THE COMPILE-TIME FACILITIES OF PL/I

The features, the formats, and the restrictions of preprocessor statements are discussed in this manual. Illustrative applications accompanied by actual compilation listings appear with the discussions.

Because the compile-time facilities constitute an advanced topic in programming, this manual requires a basic understanding of PL/I comparable to at least that developed in A PL/I Primer, Form C28-6808.

This manual avoids discussing particular implementations of PL/I. Information of general interest on the F-level compile-time facilities of PL/I is given in IBM System/360: PL/I Reference Manual, Form C28-8201, and in IBM System/360 Operating System: PL/I (F) Programmer's Guide, Form C28-6594. Student Text, 48 pages

GC20-1699

A DATA PROCESSING GLOSSARY

This glossary contains over 2,000 definitions of terms in the data processing field. It contains definitions from:

1. The American National Standard Vocabulary for Information Processing, published by the American National Standards Institute, Inc. (ANSI).
2. The proposed American National Standard Vocabulary.
3. The IBM Data Communications Glossary (GC20-1666).
4. The IBM Glossary of Information Processing. Manual, 136 pages

GC20-1706

COURSEWRITER III (VERSION 2) STUDENT TEXT, PROG. NO. 360A-UX-01X

The intent of this publication is to get a new author working on his material as soon as possible. Course material so prepared may not be the ultimate in Coursewriter III Language usage, but it will be available for student use in the shortest possible time.

This student text guides the new author of course materials through the language by a step-by-step presentation. The text is not all-inclusive but contains the basics of the Coursewriter III Language and many examples of operation code and author command use. The author is assumed to be familiar with the use of the IBM terminal he is using. If he is not, COURSEWRITER III FOR SYSTEM/360, Student/Monitor User's Guide (GH20-0608) should be studied before going any further.

Once this student text has been read, the author may refer to COURSEWRITER III FOR SYSTEM/360, AUTHOR'S GUIDE (GH20-0609) for greater detail on Operation Codes, Author commands, and other related information.

Other IBM publications concerned with Coursewriter III, Version 2, include:

. IBM Terminal Coursewriter III Reference Card for student and monitor users -- GX20-1780

. IBM Author's Coursewriter III Reference Card -- GX20-1782

. IBM Supervisor's Coursewriter III Reference Card -- GX20-1782

Coursewriter III Instruction Sheet -- GX20-1750

. Coursewriter III for System/360 Application Description -- GH20-0587

. Coursewriter III for System/360 Supervisor's Guide -- GH20-0610

. Coursewriter III for System/360 System Programmer's Guide -- GY20-0372

Student Text, 77 pages

GC20-1729

A GUIDE TO THE IBM SYSTEM/370 MODEL 155

This guide presents hardware, programming systems, and other pertinent information about the IBM System/370 Model 155 that describes its significant new features and advantages. Features of a Model 155 II are indicated also. The contents are intended to acquaint the reader with the Model 155 and to be of benefit in planning for its installation. Manual, 192 pages

GC20-1730

A GUIDE TO THE IBM SYSTEM/370 MODEL 165

This guide presents hardware, programming systems, and other pertinent information about the IBM System/370 Model 165 that describes its significant new features and advantages. Features of a Model 165 II are indicated also. The contents are intended to acquaint the reader with the Model 165 and to be of benefit in planning for its installation. Manual, 160 pages

*M GC20-1733

IBM 1287/1288 OCR ERROR RECOVERY GUIDE

Discusses tools, techniques, and methods of importance for error recovery when planning, programming, and installing the IBM 1287 and IBM 1288 Optical Character Readers.

Data Processing Technique Manual, 28 pages

GC20-1734

A GUIDE TO THE IBM SYSTEM/370 MODEL 145

This guide presents hardware, programming systems, and other pertinent information about the IBM System/370 Model 145 that describes its significant new features and advantages. The contents are intended to acquaint the reader with the Model 145 and to be of benefit in planning for its installation.

Associated with this guide are four optional supplements that describe operating systems for the Model 145 that support a virtual storage environment. Each supplement has its own form number and must be ordered individually, if required. Optional supplements are the following:

- o DOS/Virtual Storage Features Supplement *
 - o OS/Virtual Storage 1 Features Supplement GC20-1752
 - o OS/Virtual Storage 2 Features Supplement GC20-1753
 - o Virtual Machine Facility/370 Features Supplement *
- * Availability to be announced.
Manual, 264 pages

GC20-1738

A GUIDE TO THE IBM SYSTEM/370 MODEL 135

This guide presents hardware, programming systems, and other pertinent information about the IBM System/370 Model 135 that describes its significant new features and advantages. Model 135 and to of benefit in planning for its installation.

Associated with this guide are three optional supplements that describe operating systems for the Model 135 that support a virtual storage environment. Each supplement has its own form number and must be ordered individually, if required. Optional supplements are the following:

- o DOS/Virtual Storage Features Supplement *
- o OS/Virtual Storage 1 Features Supplement GC20-1752
- o Virtual Machine Facility/370 Features Supplement *

* Availability to be announced
Manual, 74 pages

GC20-1739

HANDPRINTING CONSIDERATIONS FOR THE IBM 1287/1288 OPTICAL CHARACTER READERS

This publication was written to help determine why handprinted characters reject or substitute, and to help define input problems related to character shape and size. Included is general information about handprinting requirements and why characters reject or substitute. Varying character shapes and sizes are also included for reference purposes.
Data Processing Techniques Manual, 40 pages

GC20-1740

STATE AND LOCAL GOVERNMENT INDUSTRIES BIBLIOGRAPHY

The purpose of this bibliography and the associated classification system is to list and categorize IBM application publications that are pertinent to the state and local government industry.
Bibliography, 24 pages

GC20-1744

COURSEWRITER III, VERSION 3 STUDENT TEXT PROGRAM NUMBERS 5734-E13, 5736-E11

The intent of this publication is to get a new author working on his material as soon as possible. Course material so prepared may not be the ultimate in Coursewriter III Version 3 Language usage, but it will be available for student use in the shortest possible time.

This student text guides the new author of course materials through the language by a step-by-step presentation. The text is not all-inclusive but contains the basics of the Coursewriter III Version 3 language and many examples of operation code and author command use.

The text assumes the reader is using an IBM 1050 or 2740 terminal and is familiar with its use. If he is not using either of these terminals, or is not familiar with terminal operation, Coursewriter III, Version 3 Student/Monitor User's Guide (SH20-1010) should be studied before going any further.

The text also assumes the reader is using a terminal that is connected to the computer via a telephone line. For terminals using direct wire connection (Modem), none of the dialing procedure is necessary.

If an OEM acoustic coupler is being used instead of the data set, refer to the OEM documentation for operational procedures.

Once this student text has been read, the author may refer to Coursewriter III, Version 3 Author's Guide (SH20-1009) for greater detail on operation codes, author commands, and other related information. Other IBM publications concerned with coursewriter III, Version 3 include:

- o Coursewriter III, Version 3 Application Description (GH20-0987)
- o Coursewriter III, Version 3 Supervisor's Guide (SH20-1011)
- o Coursewriter III, Version 3 System Programmer's guide (LY20-0691 for OS, or LY20-0679 for DOS)
- o Coursewriter III, Version 3 Operator's Guide (SH20-1022 for OS, or SH20-1012 for DOS)
- o Coursewriter III, Version 3 Author Reference Card (GX20-1833)
- o Coursewriter III, Version 3 Student Reference Card (GX20-1834)
- o Coursewriter III, Version 3 Monitor Reference Card (GX20-1832)
- o Coursewriter III, Version 3 Supervisor Reference Card (GX20-1835)
- o Coursewriter III Instruction Sheet (GX20-1831)

Student text, 84 pages

GC20-1747

BIBLIOGRAPHY OF APPLICATION PUBLICATIONS EDUCATION INDUSTRY
The purpose of this bibliography and the associated classification system is to list and categorize IBM application publications that are pertinent to the Education Industry. Section I lists these publications by subject area. Section II contains an abstract of each publication in form number sequence.

A periodic Bibliography of Application Publications (BAP) newsletter is published to keep the bibliography up to date. The newsletter is divided into two sections. Section I is an updated listing of application publications by application or industry. This section also includes any corrections to the bibliography and a list of superseded publications. Section II contains an abstract of each publication not included in the published bibliography.
Bibliography, 32 pages

GC20-1751

IBM 3881 OPTICAL MARK READER SYSTEMS DESIGN GUIDE

This manual is a guide to the design of a data entry system using OMR. The material includes forms design, operations, and programming techniques. It is intended to be used both as an instruction guide and as a resource during systems installation design.
Manual

GC20-1752

OS/VS1 FEATURES SUPPLEMENT (OPTIONAL SECTION FOR GC20-1734, GC20-1738, GC20-1754, OR GC20-1755)

This supplement discusses OS/Virtual Storage 1 (OS/VS1) features and organization. Only concepts and functions of OS/VS1 that are new to and significantly different from those of OS MFT are presented in detail. Transition from OS MFT to OS/VS1 is discussed also.

This supplement is an optional section that is designed to be inserted in its entirety in any one of the following base publications, each of which contains the conceptual and System/370 hardware information required to understand the OS/VS1 discussion presented:

- o A guide to the IBM System/370 Model 135 GC20-1738
- o A guide to the IBM System/370 Model 145 GC20-1734
- o A guide to the IBM System/370 Model 158 GC20-1754
- o A guide to the IBM System/370 Model 168 (GC20-1755)

Readers who possess more than one of the above base publications need add this module to only one of the documents as the OS/VS1, information presented applies to System/370 Models 135, 145, 158 and 168 unless otherwise indicated in the text. The contents of this supplement are designed to acquaint the OS MFT knowledgeable reader with the new facilities and advantages of OS/VS1.
Manual, 90 pages

GC20-1753

OS/VS2 FEATURES SUPPLEMENT (OPTIONAL SECTION FOR GC20-1734, GC20-1754, OR GC20-1755)

This supplement discusses OS/Virtual Storage 2 (OS/VS2) features and organization. Only concepts and functions of OS/VS2 that are new to and significantly different from those of OS/MVT are presented in detail. Transition from MVT to OS/VS2 is discussed also.

This supplement is an optional section that is designed to be inserted in its entirety in any one of the following base publications, each of which contains the conceptual and System/370 hardware information required to understand the OS/VS2 discussion presented:

- o A guide to the IBM System/370 Model 145 GC20-1734
- o A guide to the IBM System/370 Model 158 GC20-1754
- o A guide to the IBM System/370 Model 168 GC20-1755

Readers who possess more than one of the above base publications need add this module to only one of the document as the OS/VS2 information presented applies to System/370 Model 145, 158, and 168 unless otherwise indicated in the text.

The contents of this supplement are designed to acquaint the OS MVT knowledgeable reader with the new facilities and the advantages of OS/VS2.
Manual, 90 pages

GC20-1754

A GUIDE TO THE IBM SYSTEM/370 MODEL 158

This guide presents hardware, programming systems, and other pertinent information about the IBM System/370 Model 158 that describes its significant new features and advantages. Knowledge of the IBM System/370 Model 155 is assumed. Features common to Models 155 and 158 are indicated but not discussed in detail. The contents of the guide are intended to acquaint the reader with the Model 158 and to be of benefit in planning for its installation.

Associated with this guide are four optional supplements that describe operating systems for the Model 158 that support a virtual storage environment. Each supplement has its own form number and must be ordered individually, if required. Optional supplements are the following:

- o DOS/Virtual Storage Features Supplement*
- o OS/Virtual Storage 1 Features Supplement, GC20-1752
- o OS/Virtual Storage 2 Features Supplement, GC20-1753
- o Virtual Machine Facility/370 Features Supplement*

* Availability to be announced
Manual, 112 pages

GC20-1755

A GUIDE TO THE IBM SYSTEM/370 MODEL 168

This guide presents hardware, programming systems, and other pertinent information about the IBM System/370 Model 168 that describes its significant new features and advantages. Knowledge of the IBM System/370 Model 165 is assumed. Features common to Models 165 and 168 are indicated but not discussed in detail. The contents of the guide are intended to acquaint the reader with the Model 168 and to be of benefit in planning for its installation.

Associated with this guide are three optional supplements that describe operating systems for the Model 168 that support a virtual storage environment. Each supplement has its own form number and must be ordered individually, if required. Optional supplements are the following:

- o OS/Virtual Storage 1 Features Supplement, GC20-1752
- o OS/Virtual Storage 2 Features Supplement, GC20-1753
- o Virtual Machine Facility/370 Features Supplement*

* Availability to be announced
Manual, 108 pages

GC20-1760

IBM 3886 OPTICAL CHARACTER READER FORMS KIT

This manual includes 30 forms designed for the 3886 and text describing the application. Forms are printed in two colors to illustrate design and use of forms in various industries.
Manual

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GC20-1800

IBM VIRTUAL MACHINE FACILITY/370 - INTRODUCTION MANUAL
PROGRAM NUMBER 5749-010

This manual describes the IBM Virtual Machine Facility/370 (VM/370) in a System Control Program (SCP) that has been designed specifically for the IBM System/370. VM/370 manages the IBM System/370 in such a way that multiple remote terminal users appear to have a dedicated computing system at their disposal. Within this "virtual machine" the user may run the operating system of his choice, subject to the restrictions noted in "Appendix C: VM/370 Restrictions" of this manual. The design of VM/370 is based on the IBM Control Program-67/Cambridge Monitor System (CP-67/CMS) which is executed on an IBM System/360 Model 67.

The Conversational Monitor System (CMS) is the major subsystem of VM/370. CMS provides problem solving and program development services to the user, as well as supporting facilities for a remote user who chooses to run some other operating system in his virtual machine.

This machine provides introductory information about the facilities provided by VM/370, and defines the minimum equipment configuration necessary for execution.
Manual, 44 pages

GC20-1801

IBM VIRTUAL MACHINE FACILITY/370 PLANNING AND SYSTEM
GENERATION GUIDE

This publication is intended for those responsible for the planning and installation of a VM/370 system. It includes information on virtual machine concepts, operating systems in a virtual machine, and planning and system generation considerations for a VM/370 installation. The IBM Virtual Machine Facility/370 Introduction, Order No. GC20-1800, is a prerequisite for understanding this publication.
Manual, 249 pages

GC20-1802

IBM VIRTUAL MACHINE FACILITY/370 ASSEMBLER PROGRAMMER'S
GUIDE

This publication provides information on the use of Assembler language under the Conversational Monitor System (CMS). CMS, the time sharing component of the IBM Virtual Machine Facility/370 (VM/370), includes user macros which provide linkages to CMS functions. CMS also simulates certain Operating System macros.

The publication also contains a section on programming considerations for programs and operating systems executing in the virtual machine environment of VM/370.
Manual, 52 pages

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GC20-1803

IBM VIRTUAL MACHINE FACILITY/370 BASIC LANGUAGE REFERENCE
MANUAL

This publication describes the BASIC language facility of Virtual Machine Facility/370 (VM/370). It includes a precise description of the language as well as a guide to creating and running BASIC programs under the conversational Monitor System (CMS) of VM/370.
Manual, 44 pages

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GC20-1804

IBM VIRTUAL MACHINE FACILITY/370 COMMAND LANGUAGE USER'S
GUIDE - PROGRAM NUMBER 5749-010

VM/370 is a system which manages the resources of a single System/370 computer such that multiple computing systems appear to exist within it. Each such computing system is said to run in a virtual machine. VM/370 consists of two major components:

1. A Control Program (CP), which controls the real computer and allows multiple computing systems to run under its control.
2. A Conversational Monitor System (CMS), which runs in a virtual machine under control of the control program and allows the user to operate his virtual machine from a remote terminal. CMS is the time-sharing system that provides a general purpose conversational facility suitable for program development and problem solving.

This publication describes the commands necessary to use the components of VM/370: the Control Program, the Conversational Monitor System, and the various subsystems that run under CMS.

Manual, 268 pages

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GC20-1805

IBM VIRTUAL MACHINE FACILITY/370 EDIT GUIDE

This publication explains, for users of the Conversational Monitor System (CMS), how to use the CMS editor to create, peruse, or modify files. It contains descriptions of:

- o The EDIT command
- o The EDIT subcommands
- o The EDIT macros

Examples are also included. IBM Virtual Machine Facility/370: Command Language User's Guide, Order No. GC20-1804, is a prerequisite for a thorough understanding and for the effective use of this publication. For titles and abstracts of associated publications, see the IBM System/360 and System/370 Bibliography Order No. GA22-6822.
Manual, 36 pages

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GC20-1806

IBM VIRTUAL MACHINE FACILITY/370 OPERATOR'S GUIDE
PROGRAM NUMBER 5749-010

This publication is intended for those responsible for the operation and administration of a VM/370 System. It includes operating information on system startup and shutdown, operator spooling commands, device attachment and detachment, and emergency recovery procedures. Also included are instructions for using special VM/370 system utilities, such as device formatting and allocation, and building directories.
Manual, 84 pages

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GC20-1807

IBM VIRTUAL MACHINE FACILITY/370 PROGRAMMER'S GUIDE TO
DEBUGGING

This publication describes the debugging facilities and procedures for the IBM Virtual Machine Facility/370 (VM/370). The information on debugging should be useful to IBM Customer Engineers, system programmers, and application programmers.

The Control Program (CP) and Conversational Monitor System (CMS) are discussed separately. A functional description of each system is included as well as separate sections on the debugging facilities for each. Information on identifying the problem and its probable cause is also included.

Refer to the System/360 and System/370 Bibliography for the titles and abstracts of related publications.
Manual, 130 pages

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GC20-1802

IBM VIRTUAL MACHINE FACILITY/370 ASSEMBLER PROGRAMMER'S
GUIDE

This publication provides information on the use of Assembler language under the Conversational Monitor System (CMS). CMS, the time sharing component of the IBM Virtual Machine Facility/370 (VM/370), includes user macros which provide linkages to CMS functions. CMS also simulates certain Operating System macros.

The publication also contains a section on programming considerations for programs and operating systems executing in the virtual machine environment of VM/370.
Manual, 52 pages

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GC20-1808

IBM VIRTUAL MACHINE FACILITY/370 SYSTEM MESSAGES MANUAL

This publication lists all the messages that may be encountered when using VM/370. Conditions that generate these messages are explained; the resulting system action is described, and appropriate responses for operators or terminal users are suggested.

Messages produced by associated language processors are contained in the appropriate Systems Reference Library publications.

Manual, 200 pages

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GC20-1809

IBM VIRTUAL MACHINE FACILITY/370 OLTSEP AND ERROR RECORDING
GUIDE - PROGRAM NUMBER 5749-010

This publication is intended for the IBM Customer Engineer (CE). The information in this book will aid the CE in performing hardware I/O maintenance from a virtual machine. It includes VM/370 concepts and data on error handling and recording, and describes how to run the Online Test Sections (OLTS) under OLTSEP.
Manual, 116 pages

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GC20-1810

IBM VIRTUAL MACHINE FACILITY/370 TERMINAL USER'S GUIDE
PROGRAM NUMBER 5749-010

This publication provides information required to access

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VM/370 via terminal devices. Topics discussed include:

- o Terminal initialization
- o Contacting VM/370 via common carrier facilities
- o Gaining access to VM/370
- o Login Procedure
- o Typing conventions
- o Command environments

Manual, 56 pages

GC20-1811

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IBM VIRTUAL MACHINE FACILITY/370: RELEASE 1 GUIDE - PROGRAM NUMBER 5749-010
 This publication contains information about the scope and content of the current release of the IBM Virtual Machine Facility/370. It provides planning and implementation information for installation managers, system programmers, and IBM field personnel. This publication describes:

- o New and changed system features and requirements.
- o System maintenance activity, including APAR descriptions, a program symptom index, and a list of program temporary fixes (PTFs) corrected.
- o Modules added, deleted, or modified for the current release.
- o Ordering and distribution procedures for the current release.

Manual

macro instructions and services for the IBM Optical Readers. The macro instructions are used in the IBM System/360 Operating System Assembler language. The macro instruction descriptions and definitions apply to OS/MFT, OS/MVT, OS/VS1, and OS/VS2.
 For OS/MFT and OS/MVT, the corequisite publication is IBM System/360 Operating System: Assembler Language, GC28-6514; for OS/VS1 and OS/VS2, the corequisite publication is OS/VS and DOS/VS Assembler Language, GC33-4010.
 Manual, 48 pages

SC21-5005

IBM DOS RPG II LANGUAGE, PROG. NO. 5736-RG1
 THIS PUBLICATION IS A PLANNING AID ONLY. It is intended for use prior to the availability of the DOS RPG II Compiler. The publication will be updated to become reference documentation when the RPG II language is available.
 This publication contains the fundamentals of the RPG II language along with the RPG II language specifications for the IBM System/360 Disk Operating System. The DOS RPG II compiler and generated program can be used for System/360 Models 25, 30, 40, 50, 65, and 75.
 Job setup information for compiling and executing an RPG II program is also included in the publication.
 Manual, 508 pages

SC20-8092

SYSTEM/360 DOS OPERATION TRAINING MANUAL: STUDENT TEXT, COURSE CODE A3650
 This reusable text introduces the student to many of the procedures to be followed when operating the IBM System/360 Models 25, 30, and 40 in a Disk Operating System batched-job environment. Because the operator's main tasks are concerned with I/O and the console, this text concentrates on these areas
 8-1/2 x 11 Self-Study Student Text, 86 pages

GC21-5006

OS DATA MANAGEMENT SERVICES AND MACRO INSTRUCTIONS FOR IBM 1419/1275
 This publication tells how to plan, write, and execute programs for the IBM 1419 Magnetic Ink Character Reader and the IBM 1275 Optical Character Reader under the MFT, MVT, VS1, and VS2 options of the operating system (OS). It is intended for system analysts, assembler language programmers, or other personnel who need information on how to use the 1419 or the 1275 under OS. The IBM 1419 and the IBM 1275 read, under control of a processing program, information transcribed on checks and other documents. They also sort these documents under program control.
 This publication describes device characteristics (such as document processing times) that the user must consider and the routines he must write to use the 1419 and the 1275 under OS. This description includes data management macro instructions needed, storage requirements for IBM-supplied 1419/1275 support routines, JCL requirements, timing considerations for various OS options, and sample user-written routines.
 Manual, 64 pages

GC20-8095

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IBM SYSTEM/360 INTRODUCTION TO TELE-PROCESSING STUDENT TEXT
 This reference publication is designed to provide non-technical personnel with a conceptual introduction to teleprocessing. It presents the concepts of teleprocessing with little emphasis on programming techniques. Following an historical survey is a review of the elements of a teleprocessing system, including a discussion of typical application areas and basic teleprocessing systems flow. Equipment characteristics, communications terms and concepts are presented in detail, and summary chapters are devoted to a study of teleprocessing systems design and the concept of the total system.
 The major objectives of this manual are to:

1. Define the elements of, and examine the information flow within, a teleprocessing system.
2. Introduce the basic functions and capabilities of the teleprocessing equipment in the IBM product line.
3. Provide a background for the study of teleprocessing systems design through a discussion of the elements of a teleprocessing system, including communications line considerations, network design, and programming support.

Book, 8-1/2 x 11 inch, 76 pages

GC21-5008

IBM SYSTEM/360 OPERATING SYSTEM PLANNING FOR THE IBM 3211 PRINTER DATA MANAGEMENT MACRO INSTRUCTIONS AND SERVICES
 This publication is a planning aid only. It is intended for use prior to the availability of the data management macro instructions for the IBM 3211 Printer and shall be replaced by reference documentation when that support becomes available.
 This publication describes macro instructions and services provided under IBM System/360 Operating System for use with the IBM 3211 Printer.
 Systems Reference Library Manual, 35 pages

GC21-5000

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT FORTRAN IV (CARD) PROGRAMMER'S GUIDE PROGRAM NUMBER 360P-FO-205
 This publication provides the information necessary for:

1. Translating Card FORTRAN IV source programs into System/360 coding
 AND
2. Executing the resulting System/360 coding.

Included also are techniques and considerations for improving Card FORTRAN IV programs. These are supplementary to the information provided in the language publication, IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT SPECIFICATIONS, FORTRAN IV (16K CARD), Form C21-9040. The user should read that publication before reading this one.
 Systems Reference Library Manual, 90 pages

SC21-5013

DOS IBM 1288 BASIC UNFORMATTED READ SYSTEM: A DATA CAPTURE UTILITY PROGRAM, PROG. NO. 5736-UT1
 This publication is a reference manual designed to assist you in implementing data entry applications using the IBM 1288 Optical Page Reader. The data must be printed or typed in either USASCSOCR Size A or ISOOCR-A size 1 font in the unformatted mode.
 This manual describes the control and functions of 1288 Basic Unformatted Read System, which include:

- o Input and output
- o Error handling routines
- o Job control language

The program operates under the IBM System/360 Disk Operating System with either BATCH or Multiple Programming Support (MPS).
 Manual, 36 pages

GC21-5001

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT DISTRIBUTION PROGRAM SPECIFICATIONS AND OPERATING GUIDE PROGRAM NUMBER 360P-UT-208
 The distribution program issued for maintenance and distribution of the Disk Operating System. This reference publication contains the specifications and operating guide for the distribution program and describes the functions of the program, program deck, control cards, system and deck preparation, error messages and options, and operating instructions.
 Systems Reference Library Manual, 32 pages

SC21-5014

OS IBM 1288 BASIC UNFORMATTED READ SYSTEM: A DATA CAPTURE UTILITY PROGRAM, PROG. NO. 5734-UT3
 This publication is a reference manual designed to assist you in implementing data entry applications using the IBM 1288 Optical Page Reader. The data must be printed or typed in either USASCSOCR size A or ISO OCR size 1 font in the unformatted mode.
 This manual describes the control and functions of the 1288 Basic Unformatted Read System, which include:

- o Input and output
- o Error handling routines
- o Job control language

The program operates under the IBM Operating System with:

- o MFT - multi-programming with a fixed number of tasks.

GC21-5004

OS DATA MANAGEMENT SERVICES AND MACRO INSTRUCTIONS FOR IBM 1285/1287/1288
 This publication defines and describes the data management

- o MVT - multi-programming with a variable number of tasks.
 - o VS1 - virtual storage, 1.
 - o VS2 - virtual storage, 2.
- Manual, 30 pages

GC21-5021

IBM DOS RPG II GENERAL INFORMATION MANUAL
PROGRAM NUMBER 5736-RG1

This publication describes the basic RPG II functions and provides information on performance and compatibility. The DOS RPG II compiler and generated program can be used for System/360 Models 25, 30, 40, 50, 65, and 75. Manual, 32 pages

GC21-5027

IBM SYSTEM/360 OS PROGRAM PLANNING GUIDE FOR IBM 3505 CARD READER AND IBM 3525 CARD PUNCH ON IBM SYSTEM/370

This publication is a planning aid only. It is intended for use prior to the available of the data management macro instructions for both the IBM 3505 Card Reader and the IBM 3525 Card Punch, and will be replaced by reference documentation when the support is made available.

The content of this book describes macro instructions and services which are provided under IBM System/360 Operating System for use with both the 3505 Card Reader and the 3525 Card punch. Manual, 60 pages

GC21-5028

IBM DISK OPERATING SYSTEM RPG II
PROGRAM PRODUCT SPECIFICATIONS
PROGRAM NUMBER 5736-RG1

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification sheet, 2 pages

SC21-5033

IBM SYSTEM/360 DISK OPERATING SYSTEM
RPG TO RPG II CONVERSION REFERENCE MANUAL

This manual explains the differences between the Disk Operating System RPG and RPG II languages. Differences which are fully diagnosed, partially diagnosed, and not diagnosed are described. A recommended conversion procedure from RPG to RPG II is explained as well as procedures for converting each difference.

This manual is intended for programmers experienced in using the RPG language who plan to use their RPG programs under the RPG II compiler. Systems Reference Library Manual, 52 pages

GC21-5034

IBM SYSTEM/360 DISK OPERATING SYSTEM: PLANNING FOR THE IBM 3505 CARD READER AND THE IBM 3525 CARD PUNCH

This publication is a planning aid only. It is intended for use prior to the availability of the IBM 3505 Card Reader and the IBM 3525 Card Punch. It will be replaced by reference documentation when these devices become available.

This publication describes the programming support provided under the IBM System/360 Disk Operating System for use with the IBM 3505 Card Reader and the IBM 3525 Card Punch. Systems Reference Library Manual, 30 pages

GC21-5047

IBM 2596 CARD READ PUNCH DOS PROGRAM PLANNING GUIDE

This publication describes the programming support provided under IBM DOS for the IBM 2596 Card Read Punch attached to IBM System/360 or IBM System/370. It is provided for use by the system programmer as a planning aid only and is intended for use prior to the availability of the IBM 2596 Card Read Punch. Information in this publication includes a discussion of the DOS support of the 2596 under the Logical Input/Output Control System (LIOCS) and the 2596 performance characteristics.

Before using this publication, the reader should be familiar with the following publications:

- DOS Supervisor and I/O Macros, GC24-5037
- DOS System Control and Service, GC24-5036
- DOS Operating Guide, GC24-5022
- DOS System Generation, GC24-5033
- Planning Guide, 12 pages

GC21-5052

IBM DISK OPERATING SYSTEM RPG II AUTO REPORT FEATURE
GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5736-RG1

This manual introduces the function of the DOS RPG II Auto Report Feature for potential customer management, customer analysts, and for IBM personnel involved in marketing this feature.

Auto Report is a DOS RPG II program product feature. This feature extends the capabilities of the PRG II language and aids the RPG II user by reducing the programming effort required to code and debug his application programs. This publication provides general descriptions of the

four functions of the Auto Report Feature; discusses the compatibility and performance of Auto Report; and has an example showing an Auto Report job, from the coding needed to produce a report, to the specifications generated by Auto Report for that job, and finally to the report produced as output. Prerequisite publications are:

- o Concepts and Facilities for DOS and TOS (GC24-5030)
- o Introduction to RPG II (GC21-7514)

General Information Manual, 15 pages

SC21-5056

IBM DOS RPG II AUTO REPORT FEATURE - REFERENCE MANUAL
PROGRAM NUMBER 5736-RG1

This manual contains three types of information about the RPG II Auto Report Feature:

1. Introductory and tutorial information on Auto Report for beginning users.
2. Reference information on Auto Report specifications for more experienced users.
3. Information on the internal operation of the Auto Report Feature for personnel with maintenance responsibility (replaces the program logic manual).

The Auto Report Feature is a program that operates prior to the RPG II compiler and that calls the compiler when it has finished processing. Auto Report generates complete RPG II source specifications for simple reports from simplified RPG II output specifications, standard RPG II specifications, and a special statement that copies previously cataloged specifications from a source library. Auto Report also provides for selection and sorting of input records prior to processing by the RPG II object program.

Readers of this manual must have some knowledge of RPG II. Manual, 100 pages

GC21-5059

DOS PROGRAM PLANNING GUIDE FOR IBM 3886 OPTICAL CHARACTER READER MODEL 1

Provides planning information for Disk Operating System (DOS) support of the IBM 3886 Optical Character Reader, Model 1. The publication is intended for use by system managers and programmers. This publication describes general information about programming for the 3886, specific information about the macro instructions used to read data from the device, and specific information about the macro instructions used to add the 3886 to the system. Manual, 35 pages

GC21-5063

DOS PROGRAMMING SUPPORT FOR IBM 2596 CARD READ PUNCH

This publication is intended for people who implement IBM System/360 DOS configurations. It is intended for use upon availability of the IBM 2596 Card Read Punch. This publication describes the DOS support of the 2596 under the Logical Input/Output Control System (LIOCS) and provides 2596 performance information.

Before using this publication, you should be familiar with the information in the following publications:

- o DOS Operating Guide, GC24-5022
- o DOS Supervisor and I/O Macros, GC24-5037
- o DOS System Control and Service, GC24-5036
- o DOS System Generation, GC24-5033
- o IBM 2596 Card Read Punch Programmer's Reference Manual and Operator's Guide, GA21-9144

Manual, 20 pages

GC21-5067

PROGRAM PRODUCT FUNCTIONAL DESCRIPTION FOR IBM DOS 1288 BASIC UNFORMATTED READ SYSTEM - PROGRAM PRODUCT NUMBER 5736-UT1

This flyer describes the IBM 1288 Basic Unformatted Read System for use with the Disk Operating System. Flyer, 1 page

GC21-5068

PROGRAM PRODUCT FUNCTIONAL DESCRIPTION FOR IBM 1288 BASIC UNFORMATTED READ SYSTEM (MFT/MVT/VS1/VS2) PROG. NO. 5734-UT3

Describes the IBM 1288 Basic Unformatted Read System for use with the Operating System. Flyer, 1 page

GC21-5069

OS/VS1 PROGRAMMING PLANNING GUIDE FOR IBM 3886 OPTICAL CHARACTER READER, MODEL 1 - PROGRAM NUMBER 5741-SC1-D5

This publication is a planning aid for use prior to the availability of the IBM 3886 Optical Character Reader, Model 1. This publication describes the Operating System/Virtual Storage 1 (OS/VS1) support for the IBM 3886 under the Basic Sequential Access Method (BSAM). Manual, 44 pages

GC21-5072

IBM 3540 DISKETTE INPUT/OUTPUT UNIT SYSTEM INFORMATION MANUAL

This manual is for system managers, system programmers, and application programmers. It contains general information concerning the physical characteristics of the IBM 3540

Diskette Input/Output Unit, and discusses the programming support provided by DOS/VSS.

The following topics are discussed: IBM Diskette, Media Characteristics, IBM 3540 Diskette I/O Unit, Programming Support, Operating the 3540, Support for the 3540 and adding the 3540 to your system. Manual, 32 pages

GC21-7514

INTRODUCTION TO RPG II

The purpose of this manual is to teach the RPG II programming language. The manual is written not only for the person who has some previous knowledge of computer programming, but also for the person who knows little or nothing about data processing.

The first chapter is solely for the beginner. It contains basic information about computers and data processing. The remainder of the book explains the RPG II specifications and the RPG II specifications sheets. Many job-related examples are used to show how the RPG II specifications apply to a real situation. The manual concludes with a sample job, which summarizes the duties of an RPG II programmer.

After completing this manual, the reader should be able to use the various systems reference manuals to write basic RPG II programs. Tutorial, 150 pages

GC21-9040

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT SPECIFICATIONS FORTRAN IV (16K CARD)

This publication describes and illustrates the use of the Basic Programming Support Card FORTRAN IV language for the IBM System/360. The reader is presumed to have some knowledge of an existing FORTRAN language.

The Basic Programming Support FORTRAN IV language is a symbolic programming language. It parallels the symbolism and format of mathematical notation. In addition, many programming features and facilities are available for expressing the method of solution of a mathematical problem as a meaningful FORTRAN program.

Systems Reference Library Manual, 50 pages

GC22-6820

IBM SYSTEM/360 INSTALLATION MANUAL - PHYSICAL PLANNING

This manual contains preliminary physical information for installing IBM System/360, including floor planning and electrical, environmental, and structural requirements. It discusses the physical characteristics of each unit and their effect on installation requirements. Detailed cable and location charts are included, together with illustrations and dimensions, on all cable connectors used in the system.

System Reference Library Manual, 224 pages

GC22-6922

IBM 2911 MODELS 1, 2, AND 5 AND IBM 2989 MODEL 8, INSTALLATION MANUAL - PHYSICAL PLANNING

This bulletin contains all physical planning data necessary to install the IBM 2911 Manual Switching Unit, Models 1, 2, and 5 and the IBM 2989 Remote Switching Console, Model 8. If a unit is to be installed in conjunction with a computer system, specifications for the most critical unit must be met.

Data follows the same format and uses the same standardized symbols as IBM SYSTEM/360 INSTALLATION MANUAL - Physical Planning, Order Number GC22-6820. Systems Reference Library Manual, 8 pages

GC22-6939

IBM SYSTEM/360 SPECIAL FEATURE: 2680 CRT PRINTER INSTALLATION MANUAL PHYSICAL PLANNING

This manual contains physical planning data necessary to install the IBM 2680 CRT Printer. The requirements of the unit are subject to modification by engineering developments. Note that in any nultiple-equipment installation, specifications for the most critical unit must be met.

Data is given in the standardized format and symbology found in IBM SYSTEM/360 INSTALLATION MANUAL - PHYSICAL Planning, Order Number GC22-6820, which is a required reference. Systems Reference Library Manual, 8 pages

GC22-7004

IBM SYSTEM/370 INSTALLATION MANUAL -- PHYSICAL PLANNING

Contains information necessary for planning the physical installation of the IBM System/370 in the United States. It includes floor planning information, as well as electrical, environmental, and structural requirements. Detailed cable charts are provided. Manual, 400 pages

GC24-3320

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT SORT/MERGE PROGRAMS SPECIFICATIONS PROGRAMS: 1 - CHANNEL - 360P-SM-0432 - CHANNEL - 360P-SM-044

This publication describes the following:

1. Minimum machine requirements.
2. Program capabilities.
3. Required control statements.
4. User-written routines.

Systems Reference Library Manual, 110 pages

GC24-3321

IBM SYSTEM/360 BASIC OPERATING SYSTEM SORT/MERGE PROGRAM SPECIFICATIONSPROGRAM NUMBER 360B-SM-308

This publication describes the IBM System/360 Basic Operating System, Sort/Merge Program. It contains the following information:

1. Minimum machine requirements for sorting or merging records with this program.
2. Program capabilities.
3. A description of the control statements required to define specific sort or merge operations.
4. A description of the facilities provided for inserting user-written routines into the program.

Systems Reference Library Manual, 52 pages

GC24-3337

OS RPG LANGUAGE SPECIFICATIONS, PROG. NO. 360S-RG-038

This reference publication contains fundamentals of RPG programming and language specifications for the IBM System/360 Operating System RPG. Also included is the job setup information for executing RPG. Manual, 8-1/2 x 11, 348 pages

GC24-3343

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT AUTOTEST SPECIFICATIONS (8K TAPE)PROGRAM NUMBER 360P-PT-045

This reference publication describes in detail the testing services provided by the Basic Programming Support (BPS) Tape Autotest (8K Tape) program and the control cards necessary to use the services. Although one of the 8K TPE BPS programs, Autotest requires at least 16K positions of main storage for execution. The following features are described: Autopatch, display, panel, card list, Autotest Output Tape, the Autotest Card to Tape utility, the Autotest Tape to Printer utility, normal and abnormal dumps, and Disaster Continue. Special Autotest requirements of Job Control are also presented.

The reader should be familiar with IBM SYSTEM/360 PRINCIPLES OF OPERATION, Form A22-6821 and IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT PROGRAMMER'S GUIDE (8K TAPE), Order Number GC24-3354. Systems Reference Library Manual, 58 pages

GC24-3345

IBM 1401/1460 TIMING PROGRAMS FOR IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT SORT/MERGE PROGRAMS (8K TAPE) PROGRAM 1401-LM-078, VERSION 2 (2401-2404) PROGRAM 1401-LM-080, VERSION 1 (2415)

This publication contains the specifications and operating procedures for the IBM 1401 and 1460 timing programs used to estimate the amount of time required to sort records with an IBM System/360 Basic Programming Support 1-channel or 2-channel Sort/Merge Program (8K Tape).

The following information is included in this publication:

1. Minimum machine requirements for estimating times with these programs.
2. A description of the user-prepared information cards required to define the proposed sort operation.
3. The procedure to follow for executing the timing programs.

The user of this publication should be familiar with IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT SORT/MERGE PROGRAMS (8K Tape), Order Number GC24-3320.

Systems Reference Library Manual, 16 pages

GC24-3354

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT BASIC TAPE SYSTEM PROGRAMMER'S GUIDE PROGRAM NUMBER 360P-AS-091

This reference publication describes the Basic Tape System and its use. The reader should have a basic knowledge of System/360. The major topics explained are:

OPERATION WITH THE CONTROL PROGRAMS: Supervisor interruption handling, operator communication, the Channel Scheduler, and the communication region; Job Control card formats and symbolic I/O assignment; IPL and the Program Loader.

INPUT/OUTPUT CONTROL SYSTEM (IOCS): Labels, file and record processing.

BASIC TAPE SYSTEM: Job control with the System Tape, assembly of a Supervisor, Linkage Editor, and System Tape building, maintenance, and service. Systems Reference Library Manual, 166 pages

GC24-3355

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT ASSEMBLER WITH INPUT/OUTPUT MACROS (TAPE) SPECIFICATIONS SYSTEMS REFERENCE LIBRARY - PROGRAM NUMBER 360P-AS-021

This reference publication describes the basic programming support tape assembler language and the input/output (I/O) macros supplied by IBM for use in programs written in the assembler language. The general features of the assembler language are described first, followed by a description of each of the three types of assembler language statements: machine-instruction, Assembler-instruction, and macro instruction statements. The description of macro instructions consists of a description of each of the IBM-supplied I/O macros.

The reader should be familiar with the information presented in the publications: IBM SYSTEM/360 PRINCIPLES OF OPERATION, GA22-6821, IBM System/360 Basic Programming Support, Programmer's Guide (GC24-3354) and IBM SYSTEM/360 BASIC OPERATING SYSTEM AND IBM SYSTEM/360 Basic Programming Support, Macro Definition Language, Order Number GC24-3364. Manual, 218 pages

GC24-3361

IBM SYSTEM/360 BASIC OPERATING SYSTEM ASSEMBLER WITH INPUT/OUTPUT MACROS SPECIFICATIONS PROGRAM NUMBER 360B-AS-309

This reference publication describes the assembler language and the input/output (I/O) macros supplied by IBM for use in writing programs for 8K disk-oriented System/360 installations. The general features of the assembler language are described first, followed by a description of each of three types of assembler language statements: machine-instruction, assembler-instruction, and macro instruction statements. The description of the macro instructions consists of a description of each of the IBM-supplied I/O macros.

The reader should be familiar with the information presented in the publications: IBM System/360 Principles of Operation, (GA22-6821); IBM SYSTEM/360 BASIC OPERATING SYSTEM, PROGRAMMER'S Guide, Order Number GC24-3372 IBM SYSTEM/360 BASIC OPERATING SYSTEM AND IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT, MACRO DEFINITION Language, Order Number GC24-3364. Systems Reference Library Manual, 280 pages

GC24-3363

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT DASD UTILITY PROGRAMS SPECIFICATIONS

This reference publication describes the IBM System/360 Basic Programming Support Direct Access Storage Device Utility Programs. The programs described are:

PROGRAM NAME	ORDER NUMBER
SINGLE-TRANSFER UTILITY PROGRAMS	
Card to Disk, Version 3	360P-UT-063
Disk to Card, Version 3	360P-UT-064
Disk to Disk, Version 3	360P-UT-067
Disk to Printer, Version 3	360P-UT-073
Disk to Tape, Version 3	360P-UT-065
Tape to Disk, Version 3	360P-UT-066
SPECIAL-PURPOSE UTILITY PROGRAMS	
Alternate Track Assignment (2311) Version 3	360P-UT-098
16K Alternate Track Assignment (2311/2314), Version 1	360P-UT-207
Alternate Track Assignment (2321), Version 1	360P-UT-212
Clear Disk, Version 3	360P-UT-068
Copy Data Cell to Tape, and Restore Tape to Data Cell, Version 1	360P-UT-071
Copy Disk to Card, and Restore Card to Disk, Version 1	360P-UT-062
Copy Disk to Disk, Version 1	360P-UT-072
Copy Disk to Tape, and Restore Tape to Disk, Version 1	360P-UT-061
Initialize Data Cell, Version 1	360P-UT-204
Initialize Disk (2311), Version 4	360P-UT-069
16K Initialize Disk (2311/2314), Version 1	360P-UT-206
Multiple Disk to Printer, Version 2	360P-UT-203

These programs can be received by ordering individually numbered program packages. Each program is shipped as a complete entity, in object form, ready to perform its function. Other BPS Utility Programs have been reissued in the publications: IBM SYSTEM/360 BASIC SPECIFICATIONS, GC24-5026. These publications support only the latest version of the program.

The reader should be familiar with the information presented in the publication: IBM SYSTEM/360 BASIC Operating System, Programmer's Guide, GC24-3372 and IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT DASD UTILITY PROGRAMS Operation Guide, GC24-3392 Systems Reference Library Manual, 84 pages

GC24-3364

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT BASIC OPERATING SYSTEM MACRO DEFINITION LANGUAGE

This reference publication describes the macro definition

language for the IBM System/360 Basic Programming Support and the IBM System/360 Basic Operating System. The language described in this publication can be used to facilitate the writing of an assembler language program.

The reader should be familiar with the information presented in these publications: IBM SYSTEM/360 PRINCIPLES OF OPERATION, Order No. GA22-6821; IBM SYSTEM/360 BASIC OPERATING SYSTEM, ASSEMBLER WITH INPUT/OUTPUT MACROS, Order No. GC24-3361; and IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT, ASSEMBLER WITH INPUT/OUTPUT MACROS (TAPE), Order No. GC24-3355. For a list of associated System/360 publications, see the IBM SYSTEM/360 BIBLIOGRAPHY, Order No. GA22-6822. Systems Reference Library Manual, 50 pages

GC24-3372

IBM SYSTEM/360 BASIC OPERATING SYSTEM PROGRAMMER'S GUIDE

This reference publication describes the IBM System/360 Basic Operating System. The system is a set of control programs and processing programs provided for smaller configurations of the IBM System/360. Utilizing IBM 2311 Disk Storage for on-line program residence, IBM System/360 Basic Operating System provides stacked-job processing capability, controls and input/output; and provides for continuous operation of all programs run in its environment.

This Programmer's Guide includes descriptions of the control programs, service, programs, and system facilities supported by IBM. A comprehensive introduction gives an over-all picture of the entire system. Detailed information is given on these major topics:

1. Operation with the System Control Programs
2. Using the System Service Programs
3. Data Management

The prerequisite for a thorough understanding of this manual is a basic knowledge of System/360 machine concepts and instructions.

Systems Reference Library Manual, 236 pages

GC24-3374

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT SPECIFICATIONS REPORT PROGRAM GENERATOR (CARD)

This reference publication contains complete programming specifications for the IBM System/360 Report Program Generator (Card). Included are the basic function of RPG for readers with unit record experience who are not familiar with RPG.

Systems Reference Library Manual, 130 pages

GC24-3377

IBM 1401/1460 TIMING PROGRAM FOR IBM BASIC OPERATING SYSTEM/360 SORT/MERGE PROGRAM PROGRAM 1401-LM-079

This publication contains the specifications and operating procedures for the IBM 1401 and 1460 timing program used to estimate the amount of time required to sort records with the IBM Basic Operating System/360 8K Disk Sort/Merge program.

The following information is included in this publication:

1. Minimum machine requirements for estimating times with this program.
2. A description of the user-prepared information cards required to define the proposed sort operation.
3. The procedure to follow for executing the timing program.

The user of this publication should be familiar with IBM BASIC OPERATING SYSTEM/360 SORT/MERGE PROGRAM (8K DISK), C24-3321.

Systems Reference Library Manual, 16 pages

GC24-3378

IBM SYSTEM/360 BASIC OPERATING SYSTEM SPECIFICATIONS AUTOTEST (8K DISK) PROGRAM NUMBER 360B-PT-306

This reference publication describes in detail the testing services provided by Disk Autotest in the Basic Operating System (8K Disk) and the control cards necessary to use the services. Although Disk Autotest is a BOS (8K Disk) program, it requires a minimum of 16K positions of main storage for execution. The following services are discussed: Autopatch, display, panel, The Autotest Card to Tape (Variable) utility, the normal and abnormal end of job dumps including the symbolic dump, testing immediately following an assembly, and separate assemblies and tests. Special Autotest requirements for Job Control are also presented.

The reader should be familiar with IBM SYSTEM/360 Principles of Operation, (GA22-6821), IBM Basic Operating System/360 Programmer's Guide (8K Disk), GC24-3372; IBM BASIC OPERATING SYSTEM/360 UTILITY PROGRAMS (8K DISK), GC24-3409, and IBM Basic Operating System/360 Assembler with Input/Output Macros (8K Disk), Order Number GC24-3361. Systems Reference Library Manual, 56 pages

GC24-3387

IBM SYSTEM/360 BASIC OPERATING SYSTEM REPORT PROGRAM GENERATOR SPECIFICATIONS PROGRAM NUMBER 360B-RG-307

This reference publication contains fundamentals of RPG programming and language specifications for the IBM System/360 Basic Operating System Report Program Generator.

For information on the Basic Operating System that is beyond the purpose of this language publication, see IBM System/360 Basic Operating System Programmer's Guide, Order Number GC24-3372.
Systems Reference Library Manual, 180 pages

GC24-3391

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT BASIC TAPE SYSTEM OPERATING GUIDE PROGRAM NUMBER 360P-AS-091 RPG PROGRAM NUMBER 360P-RG-201

This reference publication discusses briefly the overall concepts of using the various programs in the Basic Tape System. It describes the function and operation of the Control Programs used in conjunction with the IBM-supplied system tape or user's object program. A section listing messages provided by the programs or routines is included. System/operator communication is discussed, and a section of reference charts for system/360 coding is also included.

Each individual program section gives the specific operating procedure for that particular program, supplying information such as: description of card decks, and procedures to be followed.

Systems Reference Library Manual, 122 pages

GC24-3392

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT DASD UTILITY PROGRAMS OPERATING GUIDE

This publication is intended to be used as a guide in operating the following direct access storage device (DASD) utility programs:

PROGRAM NAME	ORDER NUMBER
SINGLE-TRANSFER UTILITY PROGRAMS	
Card to Disk, Version 3	360P-UT-063
Disk to Card, Version 3	360P-UT-064
Disk to Disk, Version 3	360P-UT-067
Disk to Printer, Version 3	360P-UT-073
Disk to Tape, Version 3	360P-UT-065
Tape to Disk, Version 3	360P-UT-066
SPECIAL-PURPOSE UTILITY PROGRAMS	
Alternate Track Assignment (2311), Version 3	360P-UT-098
16K Alternate Track Assignment (2311/2314), Version 1	360P-UT-207
Alternate Track Assignment (2321), Version 1	360P-UT-212
Clear Disk, Version 3	360P-UT-068
Copy Data Cell to Tape, and Restore Tape to Data Cell, Version 1	360P-UT-071
Copy Disk to Card, and Restore Card to Disk, Version 1	360P-UT-062
Copy Disk to Disk, Version 1	360P-UT-072
Copy Disk to Tape, and Restore Tape to Disk, Version 1	360P-UT-061
Initialize Data Cell, Version 1	360P-UT-204
Initialize Disk, Version 4	360P-UT-069
16K Initialize Disk (2311/2314), Version 1	360P-UT-206
Multiple Disk to Printer, Version 2	360P-UT-203

These programs can be received by ordering individually numbered program packages. Each program is shipped as a complete entity, in object form, ready to perform its function. Other BPS utility programs have been reissued in the publication: IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT CARD AND TAPE UTILITY PROGRAMS OPERATING GUIDE, GC24-5027. These publications will support only the latest versions of the programs.

The reader should be familiar with the information presented in the publications: IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT, DASD UTILITY PROGRAMS SPECIFICATIONS, GC24-3363, IBM System/360 Basic Operating System Programmer's Guide, (GC24-3372), and IBM System/360 Principles of Operation, (GA22-6821).
Systems Reference Library Manual, 76 pages

GC24-3396

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT UNIVERSAL CHARACTER SET UTILITY PROGRAM OPERATING GUIDE PROGRAM NUMBER 360P-UT-048

This reference publication contains the OPERATING GUIDE for the Universal Character Set Utility Program used to load the read/write storage units in the IBM 2821 Control Unit. Included in the manual are a description of the UCS program deck, control cards, system and deck preparation, error waits and options, and operating instructions. An APPENDIX contains related information including standard train/chain arrangements and the Extended Binary Coded Decimal Interchange Code.

The user of this publication should be familiar with IBM 2821 Control Unit, Order Number GA24-3312, and IBM 1403 Printer, Order Number GA24-3073.
Systems Reference Library Manual, 24 pages

GC24-3398

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT INPUT/OUTPUT 1412/1419 SPECIFICATIONS AND OPERATING GUIDE PROGRAM NUMBER 360P-IO-058

This reference publication describes programming specifications and operating procedures for the Input/Output control program supplied by IBM for System/360 applications

using the IBM 1412 and 1419 Magnetic Character Readers. Detailed information is given on the programming required for all I/O operations on these devices as well as for other services of the control program. Also included are operator instructions and diagnostic messages.
Systems Reference Library Manual, 56 pages

GC24-3408

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT INPUT/OUTPUT 1231 SPECIFICATIONS AND OPERATING GUIDE PROGRAM NUMBER: 360P-IO-060

This reference publication contains a description of the Input/Output program for the IBM 1231 Optical Mark Page Reader, and information concerning the instructions required to use the 1231 as an input device to an IBM System/360.

This reference publication also describes operating procedures for the Input/Output 1231 program. This program is used with the IBM 1231 Optical Mark Page Reader attached to an IBM System/360 Model 30, 40, 50, or 65.

The reader should be familiar with the information presented in these publications: IBM SYSTEM/360 PRINCIPLES OF OPERATION (GA22-6821), IBM System/360 Basic PROGRAMMING SUPPORT, BASIC TAPE SYSTEM PROGRAMMER'S GUIDE, (GC24-3354), and IBM System/360 Basic Operating System Programmer's Guide, (GC24-3372). The publication IBM 1231 NI Optical Mark Page Reader, (GA21-9031), containing information that will be helpful to the 1231 programmer.
Systems Reference Library Manual, 48 pages

GC24-3409

IBM SYSTEM/360 BASIC OPERATING SYSTEM UTILITY PROGRAMS SPECIFICATIONS

PROGRAM NUMBERS 360B-UT-300, 360B-UT-301

This reference publication describes the IBM System/360 Basic Operating System Utility Programs. The programs described are:

GROUP 1	GROUP 2
Program Number	Program Number
360B-UT-300	360B-UT-301
Card-to-Disk Program	Card-to-Tape Program
Card-to-Printer and/or Punch Program	Disk-to-Tape Program
Disk-to-Card Program	Tape-to-Card Program
Disk-to-Disk Program	Tape-to-Disk Program
Disk-to-Printer Program	Tape-to-Printer Program
Clear Disk Program	Tape-to-Tape Program
VTOC Display Program	Tape Compare Program

These programs are ordered by the above group program numbers and are distributed on the disk pack.

The reader should be familiar with the information presented in the publications IBM SYSTEM/360 BASIC OPERATING SYSTEM, Programmer's Guide (GC24-3372), IBM System/360 BASIC OPERATING SYSTEM, ASSEMBLER WITH INPUT/OUTPUT MACROS (GC24-3361), IBM System/360 Basic Operating System, Operating Guide, Control Programs and Assembler Order Number GC24-3450.

The reader will find error messages for these utility programs in IBM SYSTEM/360 BASIC OPERATING SYSTEM, OPERATING Guide: Operator Messages (GC24-5024)
Systems Reference Library Manual, 68 pages

GC24-3413

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT SORT/MERGE PROGRAMS OPERATING GUIDE PROGRAMS:

1 - CHANNEL - 360P-SM-043
2 - CHANNEL - 360P-SM-044

This reference publication contains the following information:

1. The minimum machine requirements for sorting or merging records with the Sort/Merge Programs.
2. A description of the program packages.
3. A description of the procedure for modifying the program decks.
4. The instructions for running a Sort/Merge Program.
5. The programmed messages then can occur while the program is being run.

Systems Reference Library Manual, 28 pages

GC24-3414

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEM ASSEMBLER LANGUAGE

This reference publication contains specifications for the IBM System/360 Disk and Tape Operating Systems Assembler Language (including macro instructions and conditional assembly facilities).

The assembler language is a symbolic programming language used to write programs for the IBM System/360. The language provides a convenient means for representing the machine instructions and related data necessary to program the IBM System/360. The IBM System/360 Disk and Tape Operating Systems Assembler Programs process the language and provide auxiliary functions useful in the preparation and documentation of a program, and include facilities for processing macro instructions.

Part 1 of this publication is an introduction to the assembler language.

Part 2 describes the basic functions of the assembler language.

Part 3 describes the conditional assembly and macro facilities in the assembler language.

Manual, 214 pages

GC24-3417

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT
AUTOTEST OPERATING GUIDE
PROGRAM NUMBER 360P-PT-045

This reference publication contains information the operator must know to test an object program using the 8K Tape Autotest Program. Autotest can be executed only on a machine with a minimum of 16K positions of main storage.

The reader should be familiar with the IBM System/360 publications: IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT AUTOTEST SPECIFICATIONS, Order No. GC24-3343; IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT BASIC TAPE SYSTEM, Order No. GC24-3391; IBM SYSTEM/360 MODEL 30 OPERATOR'S GUIDE, Order No. GA24-3373.

For a list of other associated System/360 publications, see the IBM SYSTEM/360 BIBLIOGRAPHY, Order No. GA22-6822. Systems Reference Library Manual, 24 pages

GC24-3418

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT REPORT PROGRAM
GENERATOR (TAPE) SPECIFICATIONS
PROGRAM NUMBER 360P-RG-201

This reference publication contains complete programming specifications for the IBM System/360 Report Program Generator (Tape). Included are the basic functions of RPG for readers with tape experience who are not familiar with RPG. For more detailed information regarding the generation of system tapes and input/output facilities provided, refer to the publication IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT, Basic Tape System Programmer's Guide, Order Number GC24-3354.

Systems Reference Library Manual, 152 pages

GC24-3427

DOS DATA MANAGEMENT CONCEPTS, PROG. NO. 360N-CL-453

Data management pertains to the organization of data files and the means of accessing data. Data formats, labeling procedures, and access methods are of prime concern.

Specific topics in this publication are PIOCS and LIOCS, record formats and record blocking, SAM, DAM, ISFMS, DASD devices, DASD initialization and maintenance, and tape and DASD labels. Appendixes include standard volume and file labels, ASCII-EBCDIC correspondence, and a table showing access method nomenclature used by the various languages that DOS supports.

This reference publication is intended for both systems and application programmers who code in assembler language.

A prerequisite publication is IBM SYSTEM/360 PRINCIPLES OF OPERATION (GA22-6821). Supplementary information is contained in these publications:

- DOS SUPERVISOR AND I/O MACROS (GC24-5037)
- IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS ASSEMBLER SPECIFICATIONS (GC24-3414)

NOTE: Although titles of some DOS publications have been simplified, the change does not affect the contents of the publications.

For a list of other System/360 and System/370 publications and their abstracts, refer to IBM SYSTEM/360 AND SYSTEM/370 BIBLIOGRAPHY (GA22-6822). Manual, 92 pages

GC24-3430

IBM SYSTEM/360, TAPE OPERATING SYSTEM, DATA MANAGEMENT
CONCEPTS

This reference publication contains a discussion of the data management facilities inherent in the Tape Operating System. It describes the Input/Output Control System (IOCS), the file formats, and the labeling procedures available with the system.

The following publications are recommended as prerequisite readings:

- IBM System/360 Principles of Operation (GA22-6821)
 - IBM SYSTEM/360 TAPE OPERATING SYSTEM, SYSTEM CONTROL AND System Service Programs (GC24-5034).
- Systems Reference Library Manual, 36 pages

GC24-3433

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS
COBOL LANGUAGE SPECIFICATIONS COBOL DOS PROGRAM NUMBER
360N-CB-452 COBOL TOS PROGRAM NUMBER 360M-CB-402

This publication provides the programmer with rules for writing programs in COBOL for IBM System/360 Disk and Tape Operating Systems. Users unacquainted with COBOL should read the programmed instruction textbook COBOL PROGRAM Fundamentals, (SR29-0205), with its reference handbook, (SR29-0206).

Systems Reference Library Manual, 148 pages

GC24-3437

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT INPUT/OUTPUT
1418/1428 SPECIFICATIONS AND OPERATING GUIDE
PROGRAM NUMBER 360P-IO-059

This publication describes the input/output 1418/1428 program (I/O 1418/1428 Program) supplied by IBM for System/360 applications using the IBM 1418 or 1428 Optical Character Readers. The I/O 1418/1428 Program provides

complete interruption-handling capability, controls all input/output, and controls of document buffer for maximum throughput. This reference publication also describes operating procedures for the Input/Output 1418/1428 program. Systems Reference Library Manual, 62 pages

GC24-3438

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS TAPE
SORT/MERGE PROGRAM PROGRAM NUMBERS 360M-SM-400 360N-SM-400

This publication explains the following:

1. Minimum machine requirements.
2. Program capabilities.
3. Required control statements.
4. User-written routines.

Systems Reference Library Manual, 112 pages

GC24-3439

IBM 1401/1460 TIMING PROGRAM FOR DOS AND TOS TAPE SORT/MERGE
PROGRAM, PROG. NO. 1401-LM-010(2401-2404), 1401-LM-012(2415)

This publication contains the specifications and operating procedures for the IBM 1401 and 1460 timing program used to estimate the amount of time required to sort tape records with the IBM SYSTEM/360 Disk Operating System Tape Sort/Merge program or the IBM System/360 Tape Operating System Tape Sort/Merge Program.

The following information is included in this publication:

1. Minimum machine requirements for estimating times with these programs.
2. A description of the user-prepared information cards required to define the proposed sort operation.
3. The procedure to follow for executing the timing program.

The user of this publication should be familiar with IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS, TAPE SORT/MERGE program specifications, order number (GC24-3438). Systems Reference Library Manual, 16 pages

GC24-3441

IBM SYSTEM/360 TAPE OPERATING SYSTEM AUTOTEST SPECIFICATIONS
PROGRAM NUMBER 360M-PT-407

This reference publication describes the testing service provided by the IBM System/360 Tape Operating System Autotest program. Programmer-oriented diagnostic messages are included in this publication, as well as formats and examples of control cards for both job control and Autotest. Systems Reference Library Manual, 52 pages

GC24-3444

IBM SYSTEM/360 DISK OPERATING SYSTEM DISK SORT/MERGE PROGRAM
PROGRAM NUMBER 360N-SM-450

This publication describes the IBM System/360 Disk Operating System Sort/Merge Program and contains the following information:

1. Minimum machine requirements for sorting or merging records with this program.
 2. Program capabilities.
 3. A description of the control statements required to define specific sort or merge operations.
 4. A description of the facilities provided for inserting user-written routines into the program.
- Systems Reference Library Manual, 82 pages

GC24-3445

IBM 1401/1460 TIMING PROGRAM FOR IBM SYSTEM/360 DISK
OPERATING SYSTEM SORT/MERGE PROGRAM
PROGRAM NUMBER 1401-LM-011

This publication contains the specifications and operating procedures for the IBM 1401 and 1460 timing program used to estimate the amount of time required to sort records with the IBM System/360 Disk Operating System Sort/Merge program.

The following information is included in this publication:

1. Minimum machine requirements for estimating times with this program.
2. A description of the user-prepared information cards required to define the proposed sort operation.
3. The procedure to follow for executing the timing program.

The user of this publication should be familiar with IBM SYSTEM/360 DISK OPERATING SYSTEM, SORT/MERGE PROGRAM specifications, (GC24-3444). Systems Reference Library Manual, 16 pages

GC24-3450

IBM SYSTEM/360 BASIC OPERATING SYSTEM OPERATING GUIDE
This publication is divided into five sections:

SECTION 1 presents the operating procedures for the IBM System/360 Basic Operating System Control Programs and Assembler.

SECTION 2 presents the operating procedures for testing an object program using the IBM System/360 BOS Autotest program.

SECTION 3 presents the operating procedures for programs written in the IBM System/360 BOS Report Program Generator (RPG) language.

SECTION 4 presents the operating procedures for using the IBM System/360 BOS Sort/Merge program and a description of the procedure to follow when cataloging the BOS Sort/Merge program and user routines into the disk-resident core-image library.

SECTION 5 presents the operating procedures for both groups of utility programs in the IBM System/360 Basic Operating System.

System Reference Library Manual, 166 pages

GC24-3464

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT REPORT PROGRAM GENERATOR (CARD) OPERATING GUIDE
This reference publication describes the operating procedures for the IBM System/360 Basic Programming Support, Report Program Generator (Card). It contains this information:

1. A description of the procedure to follow when using the Card RPG program to produce a variety of business reports.
2. The operating considerations for the Card RPG program.
3. The programmed messages that may be printed or displayed during generation or execution of the object program.

Manual, 35 pages

GC24-3465

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS UTILITY PROGRAMS SPECIFICATIONS PROGRAM NUMBERS 360N-UT-461, 462, 463
This reference publication describes to programmers the use of the IBM System/360 Disk and Tape Operating Systems Utility Programs. Both file-to-file and special-purpose utilities are included. The programs described are:

360N-UT-461

Assign Alternate-Track-Disk	Disk to Card
Card to Printer and/or Punch	Disk to Disk
Card to Disk	Disk to Printer
Clear Disk	Initialize Disk
Copy-Disk to Disk	VTOC Display
Copy and Restore-Disk to Card	

360N-UT-462

Card to Tape	Tape to Card
Copy and Restore-Disk or Data Cell to Tape	Tape Compare
Data Cell to Tape	Tape to Data Cell
Disk to Tape	Tape to Disk
Initialize Tape	Tape to Printer
	Tape to Tape

360N-UT-463

Assign Alternate Track-Data Cell	
Clear Data Cell	Data Cell to Printer
Data Cell to Data Cell	Disk to Data Cell
Data Cell to Disk	Initialize Data Cell

The reader should be familiar with these SRL publications for the IBM System/360 Disk and Tape Operating Systems: IBM SYSTEM/360 TAPE OPERATING SYSTEM, SYSTEM CONTROL AND SYSTEM SERVICE PROGRAMS, Order No. GC24-5034; IBM SYSTEM/360 DISK OPERATING SYSTEM, SYSTEM CONTROL AND SYSTEM SERVICE PROGRAMS, Order No. GC24-5036. For titles and abstracts of other associated publications, see the IBM SYSTEM/360 and System/370 Bibliography, GA22-6822.
Systems Reference Library Manual, 176 pages

GC24-5015

IBM SYSTEM/360 TAPE OPERATING SYSTEM, SYSTEM GENERATION AND MAINTENANCE

This reference publication contains specifications and operating procedures used to generate an installation tailored Tape Operating System. Supervisor macro instructions are used to describe facilities that are required within the system. This publication also contains sample problems that can be used to test the generated system.
Systems Reference Library Manual, 128 pages

GC24-5020

IBM SYSTEM/360, TAPE OPERATING SYSTEM, PERFORMANCE ESTIMATES
This reference publication contains main storage, external storage, and timing estimates for the Tape Operating System. The storage requirements are not sensitive to system configuration, but the timing estimates are. Therefore, representative system configurations are used to illustrate timing variances.

The timing discussion includes estimates for Job

Control, Linkage Editor, Assembler, COBOL, FORTRAN, PL/I, and RPG. Time requirements for processing ATTN commands, foreground program initiation, and the task selection mechanism are included. Examples illustrate the use of the timing data to calculate total job time.
Systems Reference Library Manual, 68 pages

GC24-5021

IBM SYSTEM/360, TAPE OPERATING SYSTEM, OPERATING GUIDE
This reference publication describes the operating procedures to be followed when executing jobs in a multiprogramming environment using the Tape Operating System. Topics discussed in this publication include stacked-job processing capability, multiprogramming, and related functions the operator must perform to initiate system operation and communicate with the system. A quick reference listing of all system-to-operator messages is included.
Systems Reference Library Manual, 124 pages

GC24-5022

IBM SYSTEM/360 DISK OPERATING SYSTEM OPERATING GUIDE PROGRAM NUMBER 360N-CL-453
This reference publication describes the procedures to be followed by system operators when executing jobs using the Disk Operating System. Topics discussed include: system concepts, system operation, problem determination, and communication with the system. A section of general operating techniques is included.

Messages from the system, previously included in the DOS Operating Guide, are now contained in a separate publication, IBM SYSTEM/360 DISK OPERATING SYSTEM OPERATOR COMMUNICATIONS AND MESSAGES, GC24-5074. The communications manual also contains other reference information of interest to the system operator.

For a list of associated publications, refer to the IBM SYSTEM/360 BIBLIOGRAPHY, GA22-6822.
Systems Reference Library Manual, 134 pages

GC24-5024

IBM SYSTEM/360 BASIC OPERATING SYSTEM OPERATOR MESSAGES
This reference publication lists, in numeric and alphabetic order, all messages issued to the operator by the programs of the IBM System/360 Basic Operating System.

The following programs have messages contained in this manual.

Basic Control Program	360B-CL-302
Consecutive Processing Macros	360B-IO-303
Indexed Sequential File Management System (ISFMS) Macros	360B-IO-304
STR Macros	360B-IO-310
BSC Macros	360B-CQ-312
Utilities--Group I	360B-UT-300
Utilities--Group II	360B-UT-301
Sort/Merge	360B-SM-308
Assembler	360B-AS-309
Report Program Generator	360B-RG-307
Autotest	360B-PT-306

Systems Reference Library Manual, 92 pages

GC24-5025

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS COBOL PROGRAMMER'S GUIDE

PROGRAM NUMBERS 360N-CB-452 360N-CB-402
This publication describes how to compile, linkage edit, and execute a Disk and Tape COBOL program. The text also describes the output from each of these steps. In addition, it explains options of the compiler and many available features of the operating system.
Systems Reference Library Manual, 216 pages

GC24-5026

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT CARD AND TAPE UTILITY PROGRAMS SPECIFICATIONS

This reference publication describes the IBM System/360 Basic Programming Support Card and Tape Utility Programs. The programs described are:

SINGLE-TRANSFER UTILITY PROGRAMS	SPECIAL-PURPOSE UTILITY PROGRAMS
Card to Printer and/or Punch	Initialize Tape
360P-UT-050, Version 3	360P-UT-057, Version 3
Card to Tape	Multiple Utility
360P-UT-051, Version 3	360P-UT-055, Version 2
Tape to Card	Storage Print
360P-UT-053, Version 3	360-UT-056, Version 1
Tape to Printer	Tape Compare
360P-UT-052, Version 3	360P-UT-201, Version 1
Tape to Tape	
360P-UT-054, Version 3	

The preceding programs can be received by ordering individually numbered program packages. Each program is shipped as a complete entity, in object form, ready to perform its function.

The reader should be familiar with the information presented in the publications: IBM SYSTEM/360 BASIC

Programming Support, Programmer's Guide (8K tape), GC24-3354, IBM System/360 Basic Programming Support Operating Guide: card and tape utility programs, (GC24-5027).
Systems Reference Library Manual, 60 pages

GC24-5027

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT CARD AND TAPE UTILITY PROGRAMS OPERATING GUIDE

This reference publication contains the guidelines to operate the following card and tape utility programs:

SINGLE-TRANSFER UTILITY PROGRAMS	SPECIAL-PURPOSE UTILITY PROGRAMS
Card to Printer and/or Punch 360P-UT-050, Version 3	Initialize Tape 360P-UT-057, Version 3
Card to Tape 360P-UT-051, Version 3	Multiple Utility 360P-UT-055, Version 2
Tape to Card 360P-UT-053, Version 3	Storage Print 360P-UT-056, Version 1
Tape to Printer 360P-UT-052, Version 3	Tape Compare 360P-UT-202, Version 1
Tape to Tape 360P-UT-054, Version 3	

These programs can be received by ordering individually numbered program packages. Each program is shipped as a complete entity, in object form, ready to perform its function.

The reader should be familiar with these IBM System/360 publications: IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT Card and tape utility programs specifications, (GC24-5026) IBM System/360 Principles of Operation, (GA22-6821), and other manuals associates with this device.
configuration.
Systems Reference Library Manual, 48 pages

GC24-5029

IBM SYSTEM/360 OPERATING SYSTEM COBOL (E) PROGRAMMER'S GUIDE PROGRAM NUMBER 360S-CO-503

This publication describes how to compile, linkage edit, and execute a COBOL (E) program. The text also describes the output from each of these steps. In addition, it explains options of the compiler and many available features of the operating system.

Systems Reference Library Manual, 164 pages

GC24-5030

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS CONCEPTS AND FACILITIES

This reference publication describes the concepts of Disk and Tape Operating Systems and guides the planner in the use of their various facilities. It describes the components in the Disk and Tape Operating Systems and explains the function of each. The last section of the publication discusses the design, preparation and execution of programs.

For titles and abstracts of associated publications, see the IBM SYSTEM/360 BIBLIOGRAPHY, GA22-6822.
Systems Reference Library Manual, 44 pages

GC24-5033

IBM SYSTEM/360 DISK OPERATING SYSTEM: SYSTEM GENERATION AND MAINTENANCE

This reference publication describes the planning and the procedures necessary to generate and to maintain an installation-tailored IBM System/360 Disk Operating System (DOS) that provides support for IBM-supplied DOS programs you desire, as well as for your own programs. The major topics discussed are:

- Planning the installation-tailored DOS supervisor
- Planning the installation-tailored DOS operational pack(s)
- Procedures for generating and for maintaining the DOS system
- Sample problems for testing the IBM-supplied DOS programs

The storage requirements for the supervisor and the operational pack(s) are found in their respective sections of this publication.

Prerequisites for a thorough understanding and for the effective use of this publication are:

IBM SYSTEM/360 DISK OPERATING SYSTEM, CONCEPTS AND FACILITIES, GC24-5030

IBM SYSTEM/360 DISK OPERATING SYSTEM: SYSTEM CONTROL AND SYSTEM SERVICE PROGRAMS, GC24-5036

IBM SYSTEM/360 DISK OPERATING SYSTEM, SUPERVISOR AND INPUT/OUTPUT MACROS, GC24-5037

IBM SYSTEM/360 DISK OPERATING SYSTEM, OPERATING GUIDE, GC24-5022

IBM SYSTEM/360 DISK OPERATING SYSTEM, OPERATOR COMMUNICATIONS AND MESSAGES, GC24-5074

For titles and abstracts of other associated publications, see the IBM SYSTEM/360 BIBLIOGRAPHY, GA22-

6822.

Systems Reference Library Manual, 384 pages

GC24-5034

IBM SYSTEM/360 TAPE OPERATING SYSTEM, SYSTEM CONTROL AND SYSTEM SERVICE PROGRAMS

This reference publication describes the IBM System/360 Tape Operating System. The system is a set of control programs and processing programs provided for the IBM System/360. Using IBM 2400-series magnetic tape units for on-line program residence, IBM System/360 Tape Operating System provides stacked-job processing capability, multiprogramming capability, controls all input/output, and provides for continuous operation of all programs run in its environment. Detailed information is given in this publication on these major topics.

1. Operation with the System Control Program:
 - a. System Organization
 - b. Supervisor Functions
 - c. Job Control Program
2. Using the System Service Programs:
 - a. Linkage Editor
 - b. Librarian

The prerequisite for a thorough understanding of this publication is a basic knowledge of System/360 machine concepts.

Systems Reference Library Manual, 124 pages

GC24-5035

IBM SYSTEM/360, TAPE OPERATING SYSTEM, SUPERVISOR AND INPUT/OUTPUT MACROS

This reference publication contains planning information about the Input/Output Control System macro instructions and the Supervisor macro instructions for use with the IBM System/360 Tape Operating System (TOS).

Systems Reference Library Manual, 144 pages

GC24-5036

IBM SYSTEM/360 DISK OPERATING SYSTEM: SYSTEM CONTROL AND SYSTEM SERVICE PROGRAMS

This reference publication describes the IBM System/360 Disk Operating System. The system is a set of control programs and processing programs for IBM System/360. Using IBM 2311 Disk Storage or IBM 2314 Direct Access Storage for on-line program residence, the IBM System/360 Disk Operating System:

- Provides stacked-job programming capability.
- Provides multiprogramming and telecommunications capability.
- Controls all input/output.
- Provides for continuous operation of all programs run in its environment.

Detailed information is given on these major topics:

- System Control Program
 - System Organization
 - Supervisor Functions
 - Job Control Program
- System Service Programs
 - Linkage Editor
 - Librarian
 - Problem Determination

Prerequisite for understanding this publication is a basic knowledge of System/360 machine concepts.

For titles and abstracts of other associated publications, see the IBM SYSTEM/360 BIBLIOGRAPHY, GA22-6822.

Systems Reference Library Manual, 200 pages

GC24-5037

IBM SYSTEM/360 DISK OPERATING SYSTEM SUPERVISOR AND INPUT/OUTPUT MACROS SYSTEMS REFERENCE LIBRARY - PROGRAM NUMBER 360N-CL-453

This reference publication is for the programmer planning to use the DOS Input/Output Control System macro instructions and supervisor communication macro instructions. These macro instructions can be combined with problem programs to produce generalized or specific file processing programs for a foreground or background environment. The major subjects describe the macro system, label processing, multitasking macros, physical IOCS, supervisor communication macros, and sequential, direct, and indexed sequential access methods. Prerequisite information is contained in the following publications:

IBM SYSTEM/360 DISK OPERATING SYSTEM: SYSTEM PROGRAMMER'S GUIDE, GC24-5073

IBM SYSTEM/360 DISK OPERATING SYSTEM, DASD LABELS, GC24-5072

IBM SYSTEM/360 PRINCIPLES OF OPERATION, GA22-6821

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS, ASSEMBLER LANGUAGE, GC24-3414

IBM SYSTEM/360 DISK OPERATING SYSTEM, DATA MANAGEMENT

CONCEPTS, GC24-3427

For titles and abstracts of other associated publications, see the IBM SYSTEM/360 BIBLIOGRAPHY, GA22-6822.
Systems Reference Library Manual, 300 pages

GC24-5038

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS BASIC FORTRAN IV PROGRAMMERS GUIDE
PROGRAM NUMBERS 360N-FO-451 AND 360M-FO-409

This publication describes the procedures for compiling and executing Fortran IV programs under control of the Disk Operating System or Tape Operating System. Its purpose is to guide the programmer with examples and techniques of the Basic Fortran IV language. It also exposes the user to the components of the control program and facilities of the IBM System/360 Disk and Tape Operating Systems.
Systems Reference Library Manual, 96 pages

GC24-5039

IBM SYSTEM/360 DISK OPERATING SYSTEM COBOL DASD MACROS
PROGRAM NUMBER 360N-CB-468

This reference publication provides the programmer with rules for using DASD macros to handle input/output operations for direct access or indexed sequential files.
Systems Reference Library Manual, 28 pages

GC24-5041

IBM SYSTEM/360 BASIC OPERATING SYSTEM, MASTER INDEX

This index is a consolidation of the indexes of all programming publications for the IBM Basic Operating System (BOS). Each index entry is accompanied by the abbreviated publication title, the subject code of the publication within the IBM System Reference Library, and the publication form number.
Systems Reference Library Manual, 52 pages

GC24-5042

DOS AND TOS UTILITY MACROS PROG. NOS. 360M-UT-411 AND 360N-UT-471

The utility macro instructions are primarily designed to operate within the multiprogramming environment of the Disk or Tape Operating System. Input macro instructions can be combined with output macro instructions, and with processing routines, to generate generalized or specific file processing programs. The resulting utility programs can operate in either a foreground or background partition.

This manual is intended for the applications programmer who is concerned with creating utility programs to operate in a DOS or TOS multiprogramming system. The manual describes how to specify each macro instruction and gives examples of various programming applications.

The main sections of this book are: general information on generating a utility program, detailed specifications of the macro instructions, and coded examples illustrating the use of these instructions.

The reader must be familiar with the information presented in: IBM System/360 Disk and Tape Operating Systems, Assembler Language, GC24-3414, and either TOS System Control and Service Programs, GC24-5034, or DOS System Control and Service, GC24-5036.
Manual, 64 pages

GC24-5061

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT BASIC TAPE SYSTEM
SYSTEM GENERATION AND MAINTENANCE
PROGRAM NUMBER 360P-AS-091

This reference publication contains specifications and operating procedures for generating and maintaining a system tape for Basic Programming Support.
Systems Reference Library Manual, 48 pages

GC24-5062

IBM SYSTEM/360 DISK OPERATING SYSTEM AUTOTEST SPECIFICATIONS

This reference publication describes the testing services provided by the Disk Operating System Autotest. The following features are described: Autopatch, Test Request Options, normal and abnormal End of Job Dumps, Disaster Continue and the Autotest Card-to-Tape Variable program. Programmer-oriented diagnostic messages are also included. Control card formats and examples are given for Job Control as well as for Autotest.

The reader should be familiar with the following related publications:

IBM SYSTEM/360 PRINCIPLES OF OPERATION, order number GA22-6821;
IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS ASSEMBLER specifications, order number GC24-3413;
IBM SYSTEM/360 DISK OPERATING SYSTEM SYSTEM CONTROL and system service programs, order number GC24-5036;
IBM SYSTEM/360 DISK OPERATING SYSTEM OPERATING guide, order number GC24-5022;
IBM SYSTEM/360 DISK OPERATING SYSTEM SYSTEM GENERATION and maintenance, order number GC24-5033; and
IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS UTILITY programs specifications, order number GC24-3465.
Systems Reference Library Manual, 56 pages

GC24-5063

DOS MASTER INDEX

This index is a consolidation of the indexes of programming publications for the IBM Disk Operating System (DOS). Each index entry is accompanied by an abbreviated title of the publication. Appendix A contains a list of the DOS publications used to compile this consolidated index by abbreviated title, complete title, order number, and the subject code of the publication within the IBM System Reference Library. Appendix B contains the publication plan for the Disk Operating System.

For titles and abstracts of all IBM System/360 and System/370 publications, see the IBM System/360 and System/370 Bibliography (GA22-6822).
Master Index, 252 pages

GC24-5064

IBM SYSTEM/360 TAPE OPERATING SYSTEM, PROGRAMMING INDEX

This index is a consolidation of the indexes of all programming publications for the IBM Tape Operating System (TOS). Each index entry is accompanied by the abbreviated publication title, and subject code of the publication within the IBM System Reference Library, and the publication form number. Appendix A contains a list of the TOS publications, by title and form number, used to compile this consolidated index. Appendix B contains the publication plan for the Tape Operating System.
Systems Reference Library Manual, 94 pages

GC24-5066

TOS OLTEP SPECIFICATIONS AND OPERATING GUIDE, PROG. NO. 360M-DN-418

This reference publication describes the On Line Test Executive Program that controls on line testing of I/O units under the Disk and Tape Operating Systems supervisors. It explains the functions of the program and gives procedures for running the test programs. The test programs are not described in this publication. Information about the test programs can be obtained from an IBM Field Engineering representative.
Manual, 24 pages

GC24-5067

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT MASTER INDEX

This index is a consolidation of the indexes of all programming publications for IBM System/360 Basic Programming Support (BPS). Each index entry is accompanied by the abbreviated publication title, the subject code of the publication within the IBM Systems Reference Library, and the publication form number. Appendix A contains a list of the BPS publications, by title and form number, used to compile this consolidated index. Appendix B contains the publication plan for Basic Programming Support.
Systems Reference Library Manual, 76 pages

GC24-5069

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT
MODULAR FILE MAINTENANCE PROGRAM SPECIFICATIONS AND OPERATING GUIDE
PROGRAM NUMBER 360P-UT-219

This reference publication describes the specifications and operating procedures for the IBM System/360 Basic Programming Support Modular File Maintenance Program. This program is used to retrieve programs from IBM-supplied distribution tapes. It also builds and maintains a file of one or more modules, primarily source and/or object decks of programs, which may be revised whenever necessary. Programmer-oriented diagnostic messages, as well as formats and examples of control statements for job control and the Modular File Maintenance Program, are included in this publication. An understanding of the IBM System/360 programming concepts is a prerequisite.

System/360 programming concepts are discussed in IBM SYSTEM/360 PRINCIPLES OF OPERATION, Order No. GA22-6821. Titles and abstracts of other related publications are listed in the IBM SYSTEM/360 BIBLIOGRAPHY, Order No. GA22-6822. For indexes to other BPS publications refer to the IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT MASTER INDEX, Order No. GC24-5067.
Systems Reference Library Manual, 40 pages

GC24-5070

BPS, BOS, TOS, AND DOS: TAPE LABELS

The types of labels that may be written on magnetic tape by the System/360 are defined and described in this reference manual. The processing performed by the programming systems, and the specifications that the user must supply to the systems, are discussed in two major sections: one section for BPS and BOS processing, and another section for TOS and DOS processing. Each section discusses the processing of standard, user-standard, and nonstandard labels, and unlabeled files. The discussion deals primarily with the functions performed for volume, header, and trailer labels when the user gives specifications directly to IOCS through DTF entries. In addition, a portion of each label processing section deals with the label processing specifications required by components of the system (such as Sort/Merge, Utilities, COBOL, etc.).

Illustrations of volume layouts depict the various arrangements of labels and data records that can be handled by the four programming systems. Flowcharts show the sequence of events that occur when files with standard, nonstandard, or no labels are opened and closed.

For a thorough understanding of this manual, the reader should have a basic knowledge of the Input/Output Control System (IOCS). The manuals that provide this information for each system are:

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT, ASSEMBLER WITH INPUT/OUTPUT MACROS (TAPE) SPECIFICATIONS, GC24-3355.

IBM SYSTEM/360 BASIC OPERATING SYSTEM, ASSEMBLER WITH INPUT/OUTPUT MACROS SPECIFICATIONS, GC24-3361.

IBM SYSTEM/360 TAPE OPERATING SYSTEM, SUPERVISOR AND INPUT/OUTPUT MACROS, GC24-5035.

IBM SYSTEM/360 DISK OPERATING SYSTEM, SUPERVISOR AND INPUT/OUTPUT MACROS, GC24-5037.
Systems Reference Library Manual, 162 pages

GC24-5072

IBM SYSTEM/360 DISK OPERATING SYSTEM, DASD LABELS

The types of labels that may be written on a Direct Access Storage Device (DASD) by the Disk Operating System are defined and described in this reference manual. The processing performed by the programming system, and the specifications that the user must supply to the system, are discussed in the second major section. This section discusses the processing of standard labels (volume, format-1, format-3) and user-standard labels for input/output sequential files and input/output direct access files. For indexed sequential files, the section discusses standard labels (volume, format-1, format-2) under the load, add, and retrieve functions. The discussion deals primarily with the functions performed for the labels when the user gives specifications directly to IOCS through DTF entries.

In other sections, illustrations of volume layouts depict the various arrangements of labels and data records that can be handled by the Disk Operating System. The DASD labels supported by the programming system are described. Each label is illustrated, and each field of each label is described in detail. Flowcharts show the sequence of events for label processing when sequential, direct access, and indexed sequential files are opened and closed.

For a thorough understanding of this manual, the reader should have a basic knowledge of the Input/Output Control System (IOCS) as described in IBM SYSTEM/360 DISK OPERATING SYSTEM, supervisor and input/output macros, (GC24-5037).

For a list of associated publications, refer to the IBM System/360 bibliography (GA22-6822).
Systems Reference Library, 156 pages

GC24-5073

DISK OPERATING SYSTEM SYSTEM PROGRAMMER'S GUIDE

This reference publication is intended primarily for the system programmer who is involved in making decisions relating to the components of the installation's supervisor, file organization and program design. To form a single publication, this manual brings together and expands upon information from many sources. Major topics discussed are:

1. Supervisor Planning Concepts
2. Data Management
3. Program Design
4. Debugging Aids

For each major section, the Preface lists the most closely related publications. For a complete list of available publications, see the IBM System/360 and System/370 Bibliography (GA22-6822).
System Reference Library Manual, 300 pages

GC24-5074

DOS MESSAGES - PROG. NO. 370N-CI-453

This reference publication provides quick access information for operators and programmers who encounter DOS messages and use DOS commands and job control language. This publication does not include:

- o Any message issued by IBM Program Products
- o Any language message issued during compilation or assembly
- o RPG messages
- o OLTEP messages
- o System/370 Emulator messages

NOTE: Although titles of some DOS publications have been simplified, the change does not affect the contents of the publication.

For detailed DOS operating information, see the companion publication, DOS OPERATING GUIDE (GC24-5022). For a list of associated publications, refer to the IBM SYSTEM/360 AND SYSTEM/370 BIBLIOGRAPHY (GA22-6822).
Manual, 384 pages

GC24-5082

DOS TO OS/MFT, OS/MVT, OR OS/VS1 MANAGEMENT PLANNING GUIDE

This publication is a planning guide only. It is intended for use by installations planning to make the transition

from the Disk Operating System (DOS) to the Operating System (OS/MFT, OS/MVT, or OS/VS1). It is designed to assist management in preparing a total plan for the transition project.

This guide includes suggestions for management consideration that cover creation of a planning committee, planning for short and long-term objectives, staff education, organizational and operational considerations, standards, system planning, and program and file revision considerations.

For implementation information on the transition from DOS see Dos to OS Implementation Guide, GC24-6000 or DOS to OS/VS1 Implementation Guide, GC24-5095.
Manual, 28 pages

GC24-5086

DOS OLTEP

This reference publication describes the Disk Operating System (DOS) On-Line Test Executive Program (OLTEP) that controls online testing of I/O units under the DOS supervisor. It explains the functions of the program and gives procedures for running the test programs that are obtained from the IBM Customer Engineer.

For titles and abstracts of associated publications, see the IBM SYSTEM/360 2nd system/370 BIBLIOGRAPHY (GA22-6822).
Manual, 48 pages

GC24-5090

OS/VS1 PLANNING AND USE GUIDE

This publication contains planning information about OS/VS1, to assist installation personnel who are responsible for the selection and evaluation of an operating system.

The use part of the Guide contains information on implementing, modifying, or extending capabilities of VS1 control program.

The information in the Planning part is presented in two major categories: Concepts and Considerations. The Concepts section describes the facilities, features supported, and principles of operation of VS1. The Considerations section contains suggestions on how to make the most effective use of the system. The test is supplemented by illustrations showing a representative job input stream, the scheduling sequence of the system, and examples of possible partition configurations for various sized systems.

The information in the Use part of the Guide is presented in self-contained sections, each dealing with a separate capability or function of the control program.

The publication is intended for people who are familiar with the concepts and operation of the IBM System/360 Operating System. Prerequisite reading should include the IBM System/370 Advanced Operating System, System Summary, GA22-7001, and its associated Technical Newsletters.

The Use part of the publication is intended for system programmers responsible for maintaining and Manual, 240 pages

GC24-5091

OS/VS PROGRAMMER'S REFERENCE DIGEST

This handbook contains quick reference information about most areas of OS/VS. Included are:

- o System/370 Instructions
- o OS/VS System Assembler Language
- o Hexadecimal and Decimal Number Conversion
- o EBCDIC Codes
- o Linkage Registers
- o UCB Sense Bytes
- o OS/VS Completion Codes
- o Supervisor Macro Outlines
- o SVC List
- o Tape Label Formats
- o Data Management Macro Outlines
- o JCL Reference Information
- o Operator Commands
- o SMF Reference Information
- o RES Operator and Workstation Commands
- o CRJE Macro Outlines, Terminal Information and System Commands
- o Linkage Editor and Loader Job Control and Control Statement Outlines
- o BTAM/TCAM Devices Supported and Macro Outlines
- o TSO/TCAM Macro Outlines
- o Utilities
- o OS/VS Bibliography

This book is designed for the programmer with a thorough knowledge of the material referenced and does not contain definitions, restrictions, or limitations. For detailed information on any topic in this book, refer to the publication referenced at the front of each section.
Handbook

GC24-5092

OS/VS1 RELEASE 1 GUIDE

This manual summarizes Operating System, Virtual Storage Option 1 (OS/VS1) release 1 System Control Programming (SCP) components. It is in three parts:

Part 1 is a functional summary of new and changed features of OS/VS1, including new and changed system parameters, system generation information, and publication support.

Part 2 contains a module directory, and list of modules in the system and their status.

Part 3 provides: ordering and distribution procedures for release 1, hardware engineering change levels, program material shipped with the system, and optional material available.

The publication provides installation managers, system programmers, and IBM field engineering personnel with information useful for planning and implementing release 1. Manual

GC24-5093

OS/VS1 DEBUGGING GUIDE
NUMBER 5741-010

This publication is written for those involved in debugging application and system programs. It contains material on how to start debugging, a section on functional information (system concepts) to help the reader see the system as a whole and to give some particularly useful concepts, and a section on output formats and uses in the debugging situation. A series of appendixes provide additional reference information for convenience.

Manual, 168 pages

GC24-5094

OS/VS1 STORAGE ESTIMATES - SYSTEM LIBRARY

This publication is intended for two types of users: System programmers, and problem programmers. It contains instructions, formulas, and charts that can be used to estimate the real, virtual, and auxiliary storage requirements for VS1. Real storage is system (hardware) storage and corresponds to main storage in other IBM operating systems. Virtual storage is an addressing storage concept that provides the installation with as many as 16,777,216 bytes of storage accessible to programs. Auxiliary storage is comprised of the input/output devices required to contain virtual storage, system residence libraries, job queues, spooled data sets, and work space required by control and processing programs.

Each type of user can use this publication differently.

- o System programmers can use this publication to determine the amount of real, virtual and auxiliary storage that must be allocated during system generation or Initial Program Load.
- o Problem programmers can use this publication to determine the sizes of partitions in virtual storage.

Manual, 168 Pages

GC24-5095

DOS TO OS/VS1 IMPLEMENTATION GUIDE

Provides reference information on altering DOS programs and files to be compatible with the OS/VS1 system control program. It describes the similarities and differences between DOS and OS/VS1, thus aiding programmers to:

- o Modify existing DOS programs and files only where needed, and
- o Take advantage of OS/VS1 facilities not provided in DOS.

This manual includes many examples of equivalent DOS and OS/VS1 coding. It also describes the use of the DOS emulator to effect a gradual transition from DOS to OS/VS1.

The major topics in the manual are:

- o System Generation
- o Resource Allocation
- o Performance Considerations
- o Job Entry Subsystem (JES)
- o Linkage Editor
- o System Assembler
- o Job Control Language
- o Data Sets (Files)
- o Data Management Macros
- o Utilities
- o Telecommunications
- o Emulation

The intended audience is system and application programmers in a DOS installation making the transition to the OS/VS1 system control program. Readers should be familiar with DOS, its system facilities, and the DOS versions of the compilers or assemblers used in the programs to be changed.

Prerequisite publications:

- o DOS to OS/MFT, OS/MVT, OS/VS1 Management Planning Guide, GC24-5082
- o OS/VS1 Planning and Use Guide, GC24-5090

Manual, 268 pages

GC24-5097

OS/VS1 RELEASE 2 GUIDE - PROG. NO. 5741-020

This manual summarizes Operating System, Virtual Storage Option 1 (OS/VS1) Release 2 System Control Programming (SCP) components. It is in four parts:

- o Part 1 is a functional summary of new and changed features of OS/VS1, including new and changed system parameters and commands, system generation information, new hardware support, and publication support.
- o Part 2 contains a module directory, with a list of system modules and their status.
- o Part 3 contains ordering and distribution procedures and requirements for Release 2, hardware engineering change levels, program material shipped with the system, and optional programs available.
- o Part 4 contains APAR lists, Program Symptom Index for corrected problems, and program temporary fix (PTF) information.

Manual, 220 pages

GC24-6000

IBM SYSTEM/360 DOS-TO-OS IMPLEMENTATION GUIDE

This publication consists of self-contained chapters, each of which provides information on how to modify the IBM System/360 Disk Operating System (DOS) programs and files to run under the IBM System/360 Operating System. It is designed primarily for programming personnel responsible for making the transition from DOS to OS and applies to DOS Release 23 and OS Release 19.

Manual, 296 pages

GC24-9005

DOS AND TOS PL/I (D) COMPILER PROGRAMMER'S GUIDE
PL/I - PROGRAMMER'S GUIDE

This publication complements the Systems Reference Library publication DOS and TOS PL/I (D) Compiler, Language Reference Manual, Order No. GC28-8202. Its purpose is to aid the programmer and to familiarize him with the techniques of PL/I programming. This publication therefore provides all information that is not part of the PL/I Language Reference Manual but required by the programmer to write programs in the PL/I (D) language and to have them compiled and executed in the DOS/TOS environment.

The main topics covered in this publication are:

- o The DOS/TOS environment
- o PL/I data file organization
- o Storage requirements of PL/I programs and program elements
- o The overlay facility
- o Listings produced for PL/I programs
- o Restrictions to the PL/I (D) language.

In some instances, the programmer may desire detailed additional information on topics not directly connected with PL/I. A list of all pertinent Systems Reference Library publications is provided in the Introduction section of this publication.

Manual, 165 pages

GC26-3564

IBM SYSTEM/360 CONVERSION AIDS: THE 1401/1440/1460 TAPE OVERLAP EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 30, PROGRAM NUMBER 360C-EU-097

This publication describes the Tape Overlap Emulator Program and contains instructions on its use. The Tape Overlap Emulator Program is used with the IBM 1401/1440/1460 Compatibility Feature of the System/360 to allow overlap of magnetic tape operations with processing of IBM 1400-series programs.

Emulation is a technique that uses both special machine features and programming to allow programs written for one data processing system be run on another type of system. Systems Reference Library Manual, 48 pages

GC26-3570

DOS AND TOS RPG LANGUAGE SPECIFICATIONS, PROG. NOS. 360N-RG-460 (DOS), 360M-RG-408 (TOS)

This publication contains fundamentals of RPG programming and language specifications for the IBM System/360 Disk and Tape Operating Systems, Report Program Generator. This program can be used for System/360 Models 30, 40, 50, 65 and 75.

Also included is the job setup information for executing RPG.

Systems Reference Library Manual, 300 pages

GC26-3734

IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION: TSO ASSEMBLER PROMPTER DESIGN OBJECTIVES, PROGRAM 5734-CP2

This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product. Design Objectives, 2 pages

GC26-3735

IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER H DESIGN OBJECTIVES SHEET, PROGRAM NUMBER 5734-AS1

Assembler H is a high-performance assembler language processor for the IBM System/360 Operating System. This document contains the design objectives for Assembler H support of System/370.

Design Objectives Sheet, 1 page

SC26-3740

OS TSO ASSEMBLER PROMPTER USER'S GUIDE, PROG. NO. 5734-CP2
The assembler prompter is a program product that makes it easy to call Assembler F from a terminal. The prompter, which is a command processor, operates only under the Time Sharing Option (TSO) of the IBM System/360 Operating System. This book is for the assembler-language programmer who wants to use TSO to write, assemble, and execute programs from a terminal using the assembler prompter.

Section 1, which supplements the manual IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION TERMINAL USER'S GUIDE (GC28-6763), explains how to use the ASM command by itself to assemble source code and obtain object code for existing source code. It also explains how to use ASM as an operand of the RUN command and of the RUN subcommand of the EDIT command to assemble, load, and execute assembler-language source code.

Section 2, which supplements the book IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION COMMAND LANGUAGE REFERENCE (GC28-6732), describes the format of the ASM command and lists the operands, with a brief description of each, in alphabetic order.
System Reference Library, 30 pages

GC26-3743

IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER H SPECIFICATION SHEET, PROGRAM NUMBER 5734-AS1
This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. Specifications Sheet, 2 page

GC26-3746

OS DATA MANAGEMENT SERVICES GUIDE - SYSTEMS REFERENCE LIBRARY - PROGRAM NUMBERS 360S-AS-036,037 360S-DM-508,509 360S-IO-526

Describes the assembler-language, I/O-related macros of OS. Defines and provides how-to information about (fixed, blocked, variable, undefined) record formats, data set organization methods (sequential, indexed-sequential, and direct) and procedures for creating and updating access techniques (BDAM, BISAM, BPAM, BSAM, QISAM, QSAM). Contains information on direct-access device characteristics and allocation of space on direct-access devices.
Manual, 145 pages

GC26-3756

IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER (F) PROGRAMMER'S GUIDE - PROGRAM NUMBER 360S-AS-037
This publication complements the IBM System/360 Operating System Assembler Language publications. It provides a guide to program assembling, linkage editing, executing, interpreting listings, assembler programming considerations, diagnostic messages, and object output cards.
Information in this manual on IBM System/360 Model 195 should be used for planning purposes only.
Programmer's Guide, 30 pages

GC26-3758

OS ASSEMBLER H GENERAL INFORMATION MANUAL, PROG. #5734-AS1
Assembler H is a new assembler-language processor that extends the basic assembler language and the macro and conditional-assembly language. It is designed to perform high-speed assemblies on IBM System/360 Models 40 and larger that have at least 256K bytes of main storage. This publication describes the language extensions. It also provides information on system requirements and performance estimates. This manual is designed to aid both planning and programming personnel. The reader is assumed to be familiar with the assembler language and with macro and conditional-assembly language processing.
Manual, 42 pages

SC26-3759

OS ASSEMBLER H PROGRAMMER'S GUIDE, PROG. NO. 5734-AS1
This book tells how to use Assembler H. It describes assembler options, cataloged Job Control Language procedures, assembler listing and output, sample programs, and programming techniques and considerations.
Assembler H is an assembler-language processor for the IBM System/360 Operating System. It performs high-speed assemblies on an IBM System/360 Model 40 or higher with at least 256K bytes of main storage.
This book is intended for all Assembler H programmers. It should be used in conjunction with the OPERATING SYSTEM ASSEMBLER LANGUAGE Manual, Order Number GC28-6514; the ASSEMBLER H LANGUAGE SPECIFICATIONS, Order Number GC26-3771; and the ASSEMBLER H MESSAGES, Order Number SC26-3770.
Systems Reference Library Manual, 52 pages

GC26-3767

IBM 2740/2968 AUDIO-VISUAL CONTROL USER'S GUIDE RPO NUMBER F30209
This manual tells course authors how to control the audio-visual units with the 2740 remote terminal. It also describes the units and the programming support required to operate them.
Systems Reference Library Manual, 32 pages

SC26-3768

OS ASSEMBLER H SYSTEM INFORMATION, PROG. NO. 5734-AS1
IBM System/360 Operating System Assembler H System Information Program Number 5734-AS1 was designed to improve many features of Assembler F, and has expanded capabilities as a macro assembler for both system and user defined macro languages.

This publication describes installation considerations and system-generation procedures for Assembler H, and is intended primarily for programmers responsible for installing the assembler.

This manual is divided into three independent chapters:

- o Performance Estimates,
- o Storage Estimates, and
- o System Generation.

Program Product Manual, 44 pages

SC26-3770

OS ASSEMBLER H MESSAGES, PROG. NO. 5734-AS1
This book describes the assembly error diagnostic messages and the abnormal assembly termination messages issued by Assembler H. Assembler H is an assembler-language processor for the IBM System/360 Operating System. It performs high-speed assemblies on an IBM System/360 Model 40 or higher with at least 256K bytes of main storage.

This book is intended for all Assembler H Programmers. It should be used in conjunction with the OPERATING SYSTEM ASSEMBLER LANGUAGE MANUAL, Order Number GC28-6514; the ASSEMBLER H LANGUAGE SPECIFICATIONS, Order Number GC26-3771; and the ASSEMBLER H PROGRAMMER'S GUIDE, Order Number SC26-3759.

For each error message, this book describes the number and text of the message, the explanation of the error, the assembler's handling of the error, and the programmer's response to correct the error. The introduction to this book describes the format, content, and placement of the error messages.
Systems Reference Library Manual, 70 pages

GC26-3771

OS ASSEMBLER H LANGUAGE, PROG. NO. 5734-AS1
This manual provides language specifications for the IBM System/360 Operating System Assembler H. Primarily intended as a reference manual for assembler-language programmers, it is designed to be used in conjunction with IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER LANGUAGE, Order Number GC28-6514.

Sections 2 - 5 of this manual describe assembler language extensions.
Sections 6-10 of this manual describe extensions to the macro language.
Program Product Manual, 54 pages

GC26-3777

EMULATING DOS ON SYSTEM/370 UNDER OS
The Disk Operating System (DOS) Emulator Program executes under OS/MFT, OS/MVT, OS/VS1, or OS/VS2. It enables DOS programs to execute in an OS environment. The DOS Emulator Program may be multiprogrammed with other OS jobs, and it can run the multiprogramming options of DOS.
This publication provides information for programmers and operators to help them code and run DOS jobs with the DOS Emulator Program. Introductory material that describes the operations and requirements for the DOS Emulator Program is included. Lists of program generated messages and sample jobstreams are also provided in the reference sections.
It is assumed that readers of this publication are familiar with OS and DOS and have a working knowledge of their control programs.
Manual, 98 pages

GC26-3782

IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION ASSEMBLER PROMPTER PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5734-CP2
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specifications, 8-1/2 x 11, 2 pages

GC26-3783

OS/VS DATA MANAGEMENT SERVICES GUIDE
This publication describes how to write assembler-language programs that will create and process data sets.

To use this book, you must have a basic knowledge of:

- o OS/VS1 or OS/VS2, respectively described in OS/VS1 Planning and Use Guide, GC24-5090, and OS/VS2 Planning and Use Guide, GC28-0600.
- o Assembler Language, as described in OS/VS and DOS/VS Assembler Language, GC33-4010.
- o Job control language (JCL), as explained in OS/VS JCL Services, GC28-0617, and OS/VS JCL Reference, GC28-0618.
Manual, 176 pages

GC26-3784

OS/VS CHECKPOINT/RESTART MANUAL

This publication describes checkpoint/restart, a facility for recording information about a job at programmer-designated checkpoints so that, if necessary, the job can be restarted at the beginning of a step or at a checkpoint within a step.

Checkpoint/restart is intended for use by programmers and system analysts. A general understanding of job control language and data management is prerequisite knowledge for understanding the information in this book. See OS/VS JCL Services, GC28-0617, and OS/VS Data Management Services Guide, GC26-3783, for background information on these subjects.

Manual, 86 pages

GC26-3790

OS/VS SYSTEM GENERATION INTRODUCTION MANUAL

This publication describes the system generation process in OS/VS. In its broadest sense, system generation consists of defining what an installation's data processing needs are, ordering distribution libraries from IBM, selecting modules from these libraries, placing them by means of macro specifications and execution in a new system, and testing the newly created system.

The book is intended for IBM programming system representatives and system programmers who generate a new VS1 or VS2 System Control Program, and for system planners who need to know the considerations and requirements for generating a new system.

The book provides background information for the more detailed OS/VS1 System Generation Reference, GC26-3791, and OS/VS2 System Generation Reference, GC26-3792.

Manual, 44 pages

GC26-3791

OS/VS1 SYSTEM GENERATION REFERENCE

This publication provides the information for generating an OS/VS1 System Control Program adapted to both the machine configuration and data processing requirements of an installation. It is intended for people who plan and select components for an OS/VS1 System Control Program and install it.

This publication contains the information necessary to:

- o Plan the OS/VS1 System Control Program
- o Prepare for the generation of an OS/VS1 System Control Program
- o Execute system generation
- o Test the system that has been generated
- o Restart system generation

In addition, this publication contains:

- o Guidelines for performing a system generation using a starter system
- o Examples of a complete, nucleus, and I/O device generation
- o The types of system generation messages produced

In using this publication, a knowledge of the information contained in the following publications is required:

- OS/VS1 Planning and Use Guide, GC24-5090
- OS/VS System/370 System Summary, GA22-7001
- OS/VS System Generation Introduction, GC26-3790
- OS/VS1 Storage Estimates, GC24-5094

Manual, 236 pages

GC26-3792

OS/VS2 SYSTEM GENERATION REFERENCE

This publication is intended for system programmers and IBM programming systems representatives who are to install an OS/VS2 System Control Program. The publication provides the information necessary to:

- o Prepare for system generation
- o Execute system generation
- o Restart system generation if errors occur during processing
- o Test the newly created System Control program

This publication does not explain VS2 or the options available in VS2. Information of this type is contained in OS/VS2 Planning and Use Guide, GC28-0600.

Manual

GC26-3793

OS/VS DATA MANAGEMENT MACRO INSTRUCTIONS MANUAL

This publication is intended for application programmers who write programs in assembler language. It contains a brief description of each macro instruction and a description of each operand that can be specified in each macro instruction for the following data management access methods:

- o Basic direct access method (BDAM)
- o Basic indexed sequential access method (BISAM)
- o Basic partitioned access method (BPAM)
- o Basic sequential access method (BSAM)
- o Queued indexed sequential access method (QISAM)
- o Queued sequential access method (QSAM)

This publication does not describe macro instructions for specialized application programs such as teleprocessing, graphics, magnetic character readers, optical character reader-sorters, optical character readers, or the time sharing option (TSO). These macro instructions are

discussed in separate publications that are listed in IBM System/360 and System/370 Bibliography, GA22-6822.

Before using this publication to code macro instructions, you should be familiar with the information in OS/VS and DOS/VS Assembler Language, GC33-4010, OS/VS Data Management Services Guide, GC26-3783, and OS/VS Supervisor Services and Macro Instructions, GC27-6979.

Manual, 268 pages

GC26-3794

OS DATA MANAGEMENT MACRO INSTRUCTIONS - SYSTEMS REFERENCE LIBRARY - LIBRARY MANUAL - PROGRAM NUMBERS 360S-DM-508, 509 360S-IO-526

This publication is intended for application programmers who are writing in assembler language; it contains a brief description of each macro instruction and a description of each operand that can be specified in a macro instruction. Descriptions of the macro instructions for the following data management access methods are contained in this publication.

- o Basic Direct Access Method (BDAM)
- o Basic Indexed Sequential Access Method (BISAM)
- o Basic Partitioned Access Method (BPAM)
- o Basic Sequential Access Method (BSAM)
- o Queued Indexed Sequential Access Method (QISAM)
- o Queued Sequential Access Method (QSAM)

This publication does not contain descriptions of macro instructions for specialized application programs such as teleprocessing, graphics magnetic character readers, optical character reader-sorters optical character readers.

Before using this publication to code macro instructions you should be familiar with the information contained in the OS Data Management Services Guide.

Manual, 231 pages

GC26-3795

OS/VS TAPE LABELS MANUAL

This publication describes how VS processes magnetic tape volumes with IBM standard labels. American National Standard labels, nonstandard labels, or no labels. Included for the guidance of programmers and operations analysts are discussions of:

- o Label formats and contents
- o Tape volume layouts
- o Label processing for input, output, multiple data set, and multiple volume conditions
- o Tape characteristics
- o Nonstandard label processing routines and volume label editor routines
- o Component considerations
- o Using tape volumes created by other systems
- o External labels

Manual 156 pages

GC26-3796

OS TESTRAN SYSTEM INFORMATION - SYSTEMS REFERENCE LIBRARY PROGRAM NUMBER 360S-PT-516

This manual describes the procedures for restoring TESTRAN, the TESTRAN macro instruction used to generate TESTRAN into the new operating system, and the storage needed to restore, install, and execute TESTRAN. The manual is for system programmers who generate and maintain the Operating System.

Manual, 20 pages

GC26-3799

OS/VS VIRTUAL STORAGE ACCESS METHOD (VSAM) PLANNING GUIDE

This publication is intended to enable prospective users of VSAM (virtual storage access method), an access method of OS/VS (operating system/virtual storage), to prepare for using VSAM.

The intended audience is data-processing managers whose decisions will influence the use of VSAM, system and application programmers who will make detailed preparations, and others seeking an introduction to VSAM.

The reader is expected to be familiar with basic concepts such as access method, direct-access storage, and the distinction between data-set organization and data-set processing. The sections dealing with these concepts in OS/VS Data Management Services Guide, GC26-3783, are suitable for preparatory reading.

Manual, 80 pages

GC26-3813

OS/VS LINKAGE EDITOR AND LOADER MANUAL

This publication provides the information necessary to use the linkage editor or loader program to prepare the output of a language translator for execution. The intended audience is a customer applications programmer coding in a higher-level language or a system programmer responsible for installing and maintaining the system. An introductory knowledge of the concepts and facilities of OS/VS is required to use this reference guide effectively.

The linkage editor combines and edits modules to produce a single module that can be brought into real storage by program fetch for execution. It operates as a processing program rather than as part of the control program. The linkage editor provides several processing facilities that are either performed automatically or invoked in response to

control statements prepared by the programmer.

The loader combines the basic editing and loading functions of the linkage editor and program fetch in one job step. It is designed for high-performance loading of modules that do not require the special processing facilities of the linkage editor and fetch, such as overlay. The loader does not produce load modules for program libraries.
Manual, 212 pages

GC26-5929

IBM SUBROUTINE LIBRARY (SRL), PROG. NOS. 1130-LM-001, 002
This publication describes the libraries provided with the following programming systems:

- o 1130 Card/Paper Tape
- o 1130 Disk Monitor, Version 2

The programming system libraries consist of input/output, conversion, arithmetic, functional, and utility subroutines. Included in the descriptions are calling sequences for the subroutines and explanations of the parameters involved.

The section on conversion subroutines describes the codes used to communicate with the 1130 system I/O devices. An appendix lists these codes and shows their relationship to each other.
Manual, 150 pages

GC26-5999

IBM SYSTEM/360 RPG TRANSLATOR

This manual provides programming specifications for the IBM System/360 RPG Translator. It describes the operations necessary for converting a 1400 RPG source program to a System/360 RPG source program.

The information contained in this publication will enable a 1400 RPG programmer to determine the scope of the Translator program and to formulate preliminary plans for its use.

This manual lists the machine features required and supported, describes the functional characteristics of the program, and provides a section on data checking and operating characteristics. Restrictions to the program are defined, and suggested solutions are provided. A program example and operating procedures are also included.
Systems Reference Library Manual, 28 pages

GC27-6908

IBM SYSTEM/360 CONVERSION AIDS: THE 7074 EMULATOR PROGRAM FOR IBM SYSTEM/360, MODELS 50 AND 65, PROGRAM NUMBER 360C-EU-725

This publication provides information on the IBM 7074 Emulator Program (360C-EU-725), and is directed to the user who is supplementing or replacing his IBM 7070/7074 Data Processing System with an IBM System/360, Model 50 or 65. Emulation is a technique that utilizes both equipment (Compatibility Feature) and programming to execute object programs written for other data processing systems.
Systems Reference Library Manual, 48 pages

GC27-6909

IBM SYSTEM/360 OPERATING SYSTEM, GRAPHIC PROGRAMMING SERVICES FOR IBM 2250 DISPLAY UNIT, PROGRAM NUMBER 360S-IO-523

This publication describes macro instructions and routines provided under the IBM System/360 Operating System for use with the IBM 2250 Display Unit.

These programming services are designed to facilitate the assembler-language coding of programs for displaying data in alphabetic or graphic form on the 2250 screen and for controlling man-machine communication using the 2250. Included are facilities for creating the image-defining orders and data, for controlling input/output functions of the graphic device, and for handling communications from a 2250 operator. Both basic and express attention handling are described.

Although intended primarily for the programmer coding in System/360 assembler language, portions of this publication are also of interest to installation managers, system engineers, system programmers, and others seeking general information about programming the IBM 2250 Display Unit.
Systems Reference Library Manual, 134 pages

GC27-6911

IBM SYSTEM/360 CONVERSION AIDS: THE 7080 EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 65, PROGRAM NUMBER 360C-EU-727

Special machine and programming features expand the capabilities of IBM System/360 Model 65 to include an alternate mode of operation: operation as the IBM 7080 Emulator. The Emulator is the effective equivalent of the IBM 7080 Data Processing System, and is capable of executing programs written for the 7080. This publication describes how to prepare and use a suitably configured System/360 for the execution of 7080 programs.

General information is provided on Emulator characteristics, programming considerations, and operating considerations. Complete instructions for system generation and program use are provided, together with detailed information on error messages and corrective actions.
Systems Reference Library Manual, 58 pages

GC27-6912

IBM SYSTEM/360 OPERATING SYSTEM GRAPHIC PROGRAMMING SERVICES FOR IBM 2260 DISPLAY STATION (LOCAL ATTACHMENT) PROGRAM NUMBER 360S-IO-523

This publication describes programming services for using the IBM 2260 Display Station with the System/360 Operating System. Included are descriptions of macro instructions for input/output control and for Basic and Express Attention Handling, along with some general requirements for using the display station effectively.

Although intended primarily for the programmer coding in System/360 assembler language, portions of this publication are also of interest to installation managers, system engineers, system programmers, and others seeking general information about programming the IBM 2260 Display Station.
Systems Reference Library Manual, 50 pages

GC27-6918

IBM SYSTEM/360 OPERATING SYSTEM: MAINTENANCE PROGRAM; PROGRAM NUMBER 360S-UT-506

This publication describes the procedure for applying IBM-distributed maintenance material, or user-provided material in a prespecified form, to operating-system libraries. The major portion of this information concerns the Update Analysis Program--a program that determines the applicability of maintenance material for the individual system libraries, and accordingly constructs a job stream that effects the library updating. The information contained in IBM SYSTEM/360 OPERATING SYSTEM: SYSTEM GENERATION, Form GC28-6554, is prerequisite to the use of this publication.

Systems Reference Library Manual, 48 page

GC27-6924

IBM SYSTEM/360 DISK OPERATING SYSTEM VOCABULARY FILE UTILITY PROGRAM FOR THE IBM 7772 AUDIO RESPONSE UNIT, PROGRAM NUMBER 360N-UT-472

This document provides information on the Vocabulary File Utility Program for the IBM 7772 Audio Response Unit, that enables the user to create, organize, and update the file of work representations from which the audible responses of the IBM 7772 Audio Response Unit are formed.
System Reference Library Manual, 44 pages

GC27-6927

IBM SYSTEM/360 OPERATING SYSTEM GRAPHIC PROGRAMMING SERVICES FOR IBM 2280 AND 2282 FILM UNITS PROGRAM NUMBER 360S-IO-523

This publication contains information for writing programs using the IBM 2280 Film Recorder or the IBM 2282 Film Recorder/Scanner.

For complete coverage of available 2280/82 graphic programming services, this publication must be used with IBM SYSTEM/360 OPERATING SYSTEM; GRAPHIC PROGRAMMING SERVICES FOR IBM 2250 Display Unit, order number GC27-6909.

The information consists primarily of formats and descriptions of macro-instructions that generate orders and data that control the graphic devices. Considerations for user's error handling routines are also included.
Systems Reference Library Manual, 56 pages

GC27-6929

IBM SYSTEM/360 CONVERSION AIDS: SAMPLE PROBLEMS FOR IBM SYSTEM/360 EMULATOR PROGRAMS PROGRAM NUMBERS: 360C-EU-074 360C-EU-726 360C-EU-729 360C-EU-097 360C-EU-727 360C-EU-731 360C-EU-725 360C-EU-728 360C-EU-733

Sample problems are provided as a part of the distribution material for IBM System/360 Emulator Programs. They are illustrative examples designed to familiarize the user with the techniques required to execute object programs written or other IBM data processing systems under Emulator control. Sample problems are not intended to provide detailed and exhaustive tests or demonstrations of Emulator Programs.

Included in this publication are sample problems for use with the following Emulators: 1401/1440/1460 Model 30, 1401/1460 Model 40, 1410/7010 Models 40 and 50, 1620 Model 30, 7040/7044 Model 65, 7074 Models 50 and 65, 7080 Model 65, and 709/7090/7094/7094II Model 65.
Systems Reference Library Manual, 28 pages

GC27-6932

IBM SYSTEM/360 OPERATING SYSTEM, GRAPHIC SUBROUTINE PACKAGE (GSP) FOR FORTRAN IV, COBOL, AND PL/I, PROGRAM NUMBER 360S-LM-537

This publication describes how a FORTRAN, COBOL, or PL/I programmer can write graphic programs for use with the IBM 2250 Display Unit in association with the IBM System/360 Operating System. It also describes how the graphic subroutine package may be used in a program written in Assembler Language.

The graphic subroutine package (GSP) consists of subroutines and functions for displaying characters or graphic forms on the 2250 screen and for controlling communication between the program and the 2250 operator. The subroutines may be called from a program written in the E, G, or H level of FORTRAN IV, in COBOL (F), or in PL/I (F), or from a program written in Assembler Language.

They are not an extension of the FORTRAN IV, COBOL, or PL/I languages, but may be used in conjunction with them. Systems Reference Library Manual, 180 pages

Systems Reference Library Manual, 60 pages

GC27-6933

IBM SYSTEM/360 OPERATING SYSTEM USER'S GUIDE FOR JOB CONTROL FROM THE IBM 2250 DISPLAY UNIT, PROGRAM NUMBER 360S-RC-541
This publication describes how a person at an IBM 2250 Display Unit can define and initiate jobs to be processed by the IBM System/360 Operating System. The publication discusses the job control operations that are available at the display unit and provides supplementary information to assist the user. A sample job control session is explained with text and illustrations.

The descriptions of the job control operations are written for a person who is not familiar with the IBM System/360 Operating System.
Systems Reference Library Manual, 76 pages

GC27-6935

IBM SYSTEM/360 OPERATING SYSTEM PLANNING FOR ROLLOUT/ROLLIN
This publication describes the features and capabilities provided by the rollout/rollin feature of the IBM System/360 Operating System. Rollout/rollin is used in conjunction with MVT (multiprogramming with a variable number of tasks) as an aid to main storage management.
Systems Reference Library Manual, 16 pages

GC27-6937

IBM SYSTEM/360 OPERATING SYSTEM AND 1130 DISK MONITOR SYSTEM, SYSTEM/360 - 1130 DATA TRANSMISSION FOR FORTRAN PROGRAM NUMBERS 360S-LM-542 AND 1130-IM-011
This publication describes subroutines that enable a FORTRAN IV programmer to transmit data between a program being processed by the IBM System/360 Operating System and a program being processed by the IBM 1130 Disk Monitor System Version 2. It also describes how these subroutines can be used by an Assembler Language programmer.

The subroutines described in this publication make up what is called the processor-to-processor (PTOP) program. With these subroutines, the FORTRAN programmer can perform telecommunication procedures similar to those available to Assembler Language programmers via the binary synchronous services of the Basic Telecommunications Access Method (in the System/360 Operating System) and the Synchronous Communications Adapter subroutines (in the 1130). The PTOP subroutines are not an extension of the FORTRAN IV Language, but are to be used in conjunction with it.

It is assumed that the FORTRAN user of this publication is experienced in the FORTRAN IV language of both the IBM System/360 Operating System and the IBM 1130 Disk Monitor System Version 2. It is assumed that the Assembler Language user of this publication is experienced in the Assembler Language of both systems. Detailed knowledge of binary synchronous communications programming is unnecessary.
Systems Reference Library Manual, 64 pages

GC27-6938

IBM SYSTEM/360 OPERATING SYSTEM AND 1130 DISK MONITOR SYSTEM USER'S GUIDE FOR JOB CONTROL FROM AN IBM 2250 DISPLAY UNIT ATTACHED TO AN IBM 1130 SYSTEM PROGRAM NUMBERS 360S-RC-543 AND 1130-CQ-012
This publication describes how a person at an IBM 2250 Display Unit attached to an IBM 1130 Computing System can define and initiate jobs to be processed by the IBM System/360 Operating System. A job defined at the display unit can be processed independently in the System/360 or it can be processed in conjunction with a related program in the 1130. The publication discusses the job control operations available to the 2250 user and provides supplementary information to assist him at the display unit. A complete sample job with text and illustrations is included.

The information on job control operations is written for a person unfamiliar with the IBM System/360 Operating System, the IBM 1130 Computing System, or the IBM 2250 Display Unit. A series of appendixes provide information of interest to programmers and installation personnel planning for this support.
Systems Reference Library Manual, 92 pages

GC27-6939

IBM SYSTEM/360 OPERATING SYSTEM: MFT GUIDE A FIXED NUMBER OF TASKS (MFT) PROGRAM NUMBER 360S-CI-505

This publication provides information concerning Version II of Multiprogramming With a Fixed Number of Tasks (MFT) for installation personnel who are responsible for selection, evaluation, and implementation of System/360 Operating System configurations. The information is presented in two major categories: CONCEPTS and CONSIDERATIONS. These sections describe, respectively: The principles of operation of MFT.

The influence of these principles on the application and operation of the system.

The descriptive information is supplemented by examples and illustrations including a sample job scheduling sequence and sample partition configurations for systems with 128K, 256K, and 512K bytes of main storage.

GC27-6940

SYSTEM/360 DISK OPERATING SYSTEM 1401/1440/1460 EMULATOR PROGRAMS COMPATIBILITY SUPPORT 30/40 PROGRAM NUMBERS 360N-EU-484 AND 360N-EU-485

This publication contains information on the Emulation of 1401, 1440, and 1460 object programs under the control of the Disk Operating System. Compatibility Support/30 and Compatibility Support/40 allow emulation of these programs on the IBM System/360 Models 30 and 40, respectively. Compatibility Support/30 comprises the IBM 1401/1440/1460 Emulator Program, Number 360N-EU-484, and applicable Compatibility Features for the Model 30. Compatibility Support/40 comprises the 1401/1440/1460 Emulator Program, Number 360N-EU-485, and the applicable Compatibility Features for the Model 40. In addition, the 1401, 1440, and 1460 object program can be run on the IBM System/360 Model 25 using the 1401/1440/1460 Emulator Program for Compatibility Support/30 in conjunction with applicable Compatibility Features for the Model 25.

General information concerning machine requirements, program generation, simulation techniques, data format, control cards, and programming considerations is included, as are detailed explanations of Operator Service Functions, operating procedures, console messages, and special instructions added by the Compatibility Features for the Models 30 and 40.

The 1400 Emulator Program under DOS allows the user to run the 1401/1440/1460 programs, with little or no reprogramming under the Disk Operating System in conjunction with the Compatibility Features. This allows 1400 programs to be run in a stacked job environment, mixed with System/360 jobs.
Systems Reference Library Manual, 138 pages

GC27-6942

IBM SYSTEM/360 OPERATING SYSTEM INTRODUCTION TO MAIN STORAGE HIERARCHY SUPPORT FOR IBM 2361 MODELS 1 AND 2

This publication is an introduction to programming requirements and considerations for the division of main storage into two separately addressable segments called hierarchies.

IBM 2361 Core Storage is economical bulk storage that can be attached to processor storage units. Main Storage Hierarchy Support is programming support for the 2361. This support allows 2361 Core Storage to be selectively addressed, so that storage can be allocated from it for work areas or for loading of modules. Main Storage Hierarchy Support can be used with all configurations of the operating system except MVT with Model 65 multiprocessing.

This publication is for planners who need to decide on the physical configuration of an information processing system and for systems analysts and programmers who want to use the system most efficiently.
Systems Reference Library Manual, 25 pages

GC27-6948

EMULATING THE IBM 7074 ON THE IBM SYSTEM/370 MODEL 165 USING OS/360

This publication contains planning information about the IBM 7074 Emulator Program for the System/370 Model 165. The emulator program runs as a problem program under the MFT or MVT version of the System/360 Operating System. The Model 165 must be equipped with the IBM Compatibility Feature #7117. The emulator program and the compatibility feature enable programs written for the IBM 7074 Data Processing System to be executed on the Model 165.

The information in this publication is for installation personnel responsible for evaluating, selecting, and implementing system configurations.
Manual, 95 pages

GC27-6949

IBM SYSTEM/360 OPERATING SYSTEM: OPERATOR'S GUIDE FOR DISPLAY CONSOLES

This publication tells system operators how to use cathode ray tube (CRT) display devices as operator consoles to run MFT or MVT configurations of the IBM System/360 Operating System. The manual describes in detail the operating techniques for the Model 85 Operator Console (Feature 5450), the 2250 Display Unit, and the 2260 Display Station (local attachment). A summary of device characteristics and a glossary are included. The book must be used in conjunction with IBM SYSTEM/360 OPERATING SYSTEM: OPERATOR'S REFERENCE, Form GC28-6691, and IBM SYSTEM/360 OPERATING SYSTEM: OPERATOR'S PROCEDURES, Form GC28-6692.
Manual, 108 pages

GC27-6951

EMULATING THE IBM 7094 ON IBM MODELS 85 AND 165 USING OS/360 PROG. NO. 360C-EU-734 (FOR MOD 85), 360C-EU-740 (FOR MOD 165)

This manual describes the IBM 709/7090/7094/7094 II Emulator Program for the IBM System/370 Model 165, and provides information needed to use the program. The emulator program executes object programs for the IBM 709, 7090, 7094, and 7094 II Data Processing Systems, and runs as a problem

program under the MFT or MVT configuration of the IBM System/360 Operating System. The System/370 Model 165 must be equipped with the IBM Compatibility Feature #7119. The emulator program uses the compatibility feature to perform the more complex and frequently occurring processes of emulation.

The manual also describes three programs that are distributed with the emulator: the tape preprocessor program, the tape postprocessor program, and the emulator system-output writer. The preprocessor and postprocessor programs are data manipulation programs that change the format of 7094 data. The writer prints 7094 data spooled on the SYSOUT data set.

System planners and programmers should use this manual for planning, generating, using, and modifying the emulator. Programmers responsible for executing 7094 programs should use the manual for instructions on processing 7094 data and executing the emulator. System operators should use the manual for instructions on how to communicate with the emulator program. All messages issued by the emulator and the data manipulation programs are included in an Appendix.

Programmers and planners should be experienced with the IBM 709, 7090, 7094, or 7094 II Data Processing System, and have a working knowledge of either the MFT or MVT configuration of the IBM System/360 Operating System. Systems Library, 88 pages

GC27-6952

EMULATING THE IBM 7080 ON THE IBM SYSTEM/370 MODEL 165 USING OS/360 - PROGRAM NUMBER 360C-EU-737

This manual describes the IBM 7080 Emulator Program for the IBM System/370 Model 165, and provides information needed to use the program. The emulator program executes object programs for the IBM 7080 Data Processing System, and runs as a problem program under the MFT or MVT configuration of the IBM System/360 Operating System. The System/370 Model 165 must be equipped with the IBM Compatibility Feature #7118. The emulator program uses the compatibility feature to perform the more complex and frequently occurring processes of emulation.

The manual also describes three programs that are distributed with the emulator: the tape preprocessor program, the tape postprocessor program, and the emulator system-output writer. The preprocessor and post processor programs are data manipulation programs that change the format of 7080 data. The writer prints 7080 data spooled on the SYSOUT data set.

System planners and programmers should use this manual for planning, generating, using, and modifying the emulator. Programmers responsible for executing 7080 programs should use the manual for instructions on processing 7080 data and executing the emulator. System operators should use the manual for instructions on how to communicate with the emulator program. All messages issued by the emulator and the data manipulation programs are included in an Appendix.

Programmers and planners should be experienced with the IBM 7080 Data Processing System and with the IBM System/360 Operating System, having a working knowledge of either the MFT or the MVT configuration. Systems Library, 104 pages

SC27-6955

VIDEO/370 USERS GUIDE - PROGRAM PRODUCTS 5734-RC5, 5736-RC3

This manual provides the information that an operator requires to use VIDEO/370 for data entry and verification at the IBM 3275 Display Station.

VIDEO/370 is an IBM program product that allows data entry from local or remote display stations to provide data for application programs. Formats, commands, and checking features specified by the installation allow dynamic error correction by the operator.

This publication describes the operator's role in the VIDEO/370 system and special VIDEO/370 aspects of the display station; the basic commands are features available to all operators; procedures for data verification; optional VIDEO/370 commands that provide more extensive editing capabilities; error recovery procedures, including explanations of diagnostic messages sent to the operator; and a sample VIDEO/370 data entry session. A glossary defines terms used in the publication as they relate to VIDEO/370.

Prerequisite Publication: Operator's Guide for the IBM 3270 Information Display System, GC27-2739. Manual, 96 pages

SC27-6960

VIDEO/370 SYSTEM INFORMATION MANUAL - PROGRAM PRODUCTS 5734-RC5, 5736-RC3

This manual tells how to install and tailor VIDEO/370, which is used to enter and verify data from local or remote IBM 3277 or 3275 display stations to produce data application programs. The manual is intended for the system programmer or analyst at the VIDEO/370 installation who selects and defines the VIDEO/370 features with macro instructions and JCL.

The first section is an overview of VIDEO/370, its standard and optional features. The second section describes installation of VIDEO/370, which requires specification of the desired commands and editing features, definition of formats for the display processing configuration, definition of formats for the display screen,

and initialization of the files. The third section describes the extract program, which moves data from a data file to a file for an application program, and the reports program, which produces reports of operator and format efficiency. The fourth section will provide estimates of the storage required for standard and optional VIDEO/370 features. The fifth section discusses such system programming considerations as buffer size and number, interfaces between application programs and VIDEO/370 system messages are documented in section 6. Appendixes show a sample program to interface with the extract program and the method of determining the check digits for the modulus 10 or 11 editing features. Manual 140 pages

GC27-6967

PROGRAM PRODUCT SPECIFICATIONS VIDEO/370 OS - PROGRAM NUMBER 5734-RC5

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specifications, 4 pages

GC27-6969

PROGRAM PRODUCT SPECIFICATIONS VIDEO/370 DOS - PROGRAM NUMBER 5736-RC3

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specifications, 4 pages

GC27-6970

IBM SYSTEM/360 OPERATING SYSTEM PROBLEM DETERMINATION AIDS AND MESSAGES AND CODES FOR GPS AND GSP - PROGRAM NUMBERS AND MESSAGES AND CODES FOR GPS AND GSP - PROGRAM NUMBERS 360S-TO-523 AND 360S-LM-537

This manual contains aids for determining and solving problems that involve display programs that use either the Graphic Programming Services (GPS) for the IBM 2250 Display Unit and IBM 2260 Display Station or the Graphic Subroutines Package (GSP) for the IBM 2250 Display Unit. The aids are directed to the display operator, application programmer, system operator, system programmer, and system maintenance personnel.

The manual is divided into an introduction and six sections of problem determination aids:

- o Display Operator aids
- o Application programmer aids
- o Messages
- o Codes
- o Generalized trace facility
- o Problem-related data

The reader should be familiar with information in:

IBM System/360 Operating System:
Graphic Programming Services (GPS) for the IBM 2250 Display Unit, GC27-6909

Graphic Programming Services (GPS) for the IBM 2260 Display Station (Local Attachment), GC27-6912

Graphic Subroutine Package (GSP) for FORTRAN IV, COBOL, and PL/I, GC27-6932.
System Reference Library Manual, 104 pages

GC27-6971

OS/VS GRAPHIC PROGRAMMING SERVICES (GPS) FOR IBM 2250 DISPLAY UNIT - MANUAL

Describes macro instructions and routines provided under OS/VS to aid in writing assembler-language programs that use the IBM 2250 Display Unit, Model 1 or 3.

These programming services are useful in:

- o Displaying data in alphanumeric or graphic form
- o Controlling input/output
- o Communicating with the 2250 operator

This manual is intended primarily for application programmers coding in assembler language. It also provides installation managers, system engineers, and system programmers with general information about programming the 2250 display unit.

The reader should be familiar with the information in:

IBM System/360 Component Description:
IBM 2250 Display Unit Model 1, GA27-2701

IBM System/360 Component Description:
IBM 2250 Display Unit Model 3
IBM 2840 Display Control Model 2, GA27-2721

Manual, 146 pages

GC27-6972

OS/VS GRAPHIC PROGRAMMING SERVICES (GPS) FOR IBM 2260 DISPLAY STATION (LOCAL ATTACHMENT) - SYSTEM LIBRARY MANUAL

This manual describes macro instructions provided under OS/VS to aid in writing assembler-language programs that use the IBM 2260 Display Station (Local Attachment).

These programming services are useful in: Controlling input/output, and Communicating with the 2260 operator.

This manual is intended primarily for application programmers coding in assembler language. It also provides installation managers, system engineers, and system

programmers with general information about programming the 2260 display station.

The reader should be familiar with the information in:
IBM System/360 Component Description:
IBM 2260 Display Station
IBM 2848 Display Control, GA27-2700.

Manual, 52 pages

GC27-6973

OS/VS GRAPHIC SUBROUTINE PACKAGE (GSP) FOR FORTRAN IV, COBOL, AND PL/I - SYSTEM LIBRARY

This manual describes how a FORTRAN, COBOL, or PL/I programmer can write graphic programs for use with the IBM 2250 Display Unit under control of OS/VS. It also describes how the graphic subroutine package may be used in a program written in Assembler Language.

The graphic subroutine package (GSP) consists of subroutines and functions for displaying characters or graphic forms on the 2250 screen and for controlling communication between the program and the 2250 operator. The subroutines may be called from a program written in the E, G, or H level of FORTRAN IV, in COBOL (F), in PL/I (P), or from a program written in Assembler Language. They are not an extension of the FORTRAN IV, COBOL, or PL/I languages, but may be used in conjunction with them.

Manual, 188 pages

GC27-6974

OS/VS PROBLEM DETERMINATION AIDS AND MESSAGES AND CODES FOR GPS AND GSP

This manual contains aids for determining and solving problems that involve display programs that use either the Graphic Programming Services (GPS) for the IBM 2250 Display Unit and IBM 2260 Display Station or the Graphic Subroutines Package (GSP) for the IBM 2250 Display Unit. The aids are directed to the display operator, application programmer, system operator, system programmer, and system maintenance personnel.

The manual is divided into an introduction and six sections of problem determination aids:

- o Display operator aids
- o Application programmer aids
- o Messages
- o Codes
- o Generalized Trace Facility
- o Problem-related data

The reader should be familiar with information in:
OS/VS Graphic Programming Services (GPS) for IBM 2250 Display Unit, GC27-6971

OS/VS Graphic Programming Services (GPS) for IBM 2260 Display Station (Local Attachment), GC27-6972
OS/VS Graphic Subroutine Package (GSP) for FORTRAN IV, COBOL, and PL/I, GC27-6973.

Manual, 104 pages

GC27-6975

IBM 2260 BTAM AND 2260 GAM TO IBM 3270 BTAM CONVERSION GUIDE - PROGRAM NUMBERS 360S-CQ-513, 360N-CQ-469

Users of the 2260 or 2265 display stations under DOS or OS who are considering the advantages of the 3270 display system should review this planning manual to understand what is involved in the conversion and what assistance is available from IBM. The book will aid installation managers, planners, and programmers.

This book brings together information on differences -- both programming and hardware -- that are basic to planning and carrying out conversion from 2260/2265 display stations to 3270 display stations. Dos and OS terminal control differences (for Basic Telecommunications Access Method and for Graphic Access Method) are summarized. For users who do not wish to completely rewrite their 2260 application programs, use of the IBM-provided 3270 BTAM data stream conversion macro instruction is described. Suggestions are given for user-written modifications to the data stream which, when used in conjunction with the conversion macro instruction, will give additional performance gains.

The 3270 system is a new family of display devices that offer improved response times and faster transactions at lower costs. The system is designed for the whole range of alphanumeric display applications, including inquiry applications, data-entry and order-entry applications, and system console applications.

Before using this publication the reader must be familiar with An Introduction to the IBM 3270 Information Display System, GA27-2739, and with the BTAM or GAM reference material for his application programs.
SRL Conversion Guide, 96 pages

GC27-6977

DOS PROGRAMMING SUPPLEMENT FOR THE 3270 INFORMATION DISPLAY SYSTEM - MANUAL

This publication contains system generation and storage estimate information for teleprocessing applications using the 3270 Information Display System and Release 26 of the Disk Operating System (DOS). The information is in the form of supplements for these DOS Release 26 publications:

- o DOS System Generation, GC24-5033
- o DOS Messages, GC24-5074
- o DOS OLTEP, GC24-5086

This publication also contains a list of other publications required to write applications involving the 3270; the most important of these publications are DOS Basic Telecommunications Access Method, GC30-5001-9 and IBM 3270 Information Display System Component Description, GA27-2749.

This publication is for system and application programmers planning or writing teleprocessing applications involving the 3270 and DOS Release 26. The information in this publication will be incorporated into other DOS publications in releases after Release 26.

Manual, 20 pages

GC27-6978

DOS VERSION 4 - BASIC TELECOMMUNICATIONS ACCESS METHOD MANUAL - PROGRAM NUMBER 370N-CQ-469

This publication describes the Basic Telecommunications Access Method (BTAM) used with the System/370 Disk Operating System (DOS) control program. BTAM provides the READ/WRITE level macro instructions for the assembler-language programmer who is implementing programs for telecommunications applications.

Included are macro instruction formats and descriptions and specific information on device-dependent considerations.

For titles and abstracts of associated publications see the IBM System/370 Bibliography, GA22-6822.

Manual, 392 pages

GC27-6979

OS/VS SUPERVISOR SERVICES AND MACRO INSTRUCTIONS

This book describes how to use the services of the OS/VS supervisor, the macro instructions used to request these services, and the linkage conventions used by the control program to provide these services.

It is primarily intended for programmers making use of assembler language.

Use of the book requires a basic knowledge of the operating system and of OS/VS assembler language. Related books that contains information about these subjects are:

- o OS/VS1 Planning and Use Guide - GC24-5090
- o OS/VS2 Planning and se Guide - GC28-0600
- o OS/VS Assembler Language - GC33-4010

Manual

GC27-6980

OS/VS BTAM

Describes the Basic Telecommunications Access Method (BTAM) available with OS/VS. BTAM provides facilities that enable an assembler-language programmer to write a teleprocessing control program that effects communications at the Read/Write level between a System/370 and a variety of computers and terminals connected to the System/370 over common-carrier or private-wire communications networks. BTAM provides similar facilities for the local IBM 3270 Display System. BTAM employs both start-stop and binary synchronous communications (BSC) techniques, depending on the type of remote station.

Typical BTAM applications include data acquisition, message switching, and inquiry processing.

This publication explains some concepts of teleprocessing and BTAM, describes line control and message transmission techniques, and describes each of the BTAM macro instructions and facilities needed to construct a control program. The READ and WRITE macro instructions applicable for each type of remote station and line configuration are given, along with the channel programs generated for each type.

Prerequisite to use of this publication is a knowledge of System/370 assembler language and data management facilities.

Manual

GC27-6987

INTRODUCTION TO VTAM (VIRTUAL TELECOMMUNICATIONS ACCESS METHOD)

VTAM, the Virtual Telecommunications Access Method, handles the transfer of data between application programs and telecommunications devices. It is available under DOS/VS, OS/VS1, and OS/VS2.

This manual is intended for those who will decide whether or not to use VTAM, and as preliminary information for installation managers and system programmers who will install it. It discusses:

- o Definition of VTAM to the operating system
- o Operation of a VTAM telecommunications network
- o VTAM macro instructions
- o Operation of TCAM programs under VTAM
- o Reliability, availability, and serviceability features available to VTAM.

The reader should be familiar with teleprocessing concepts. System programmers should be familiar with the operating system with which they will use VTAM.

Manual, 54 pages

GC27-6992

OS/VS2 HASP II VERSION 4 - SYSTEMS PROGRAMMER'S GUIDE PROGRAM NUMBER 370H-TX-001

This publication consists of self-contained chapters, each

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of which provides information necessary to generate, install, and implement capabilities of the HASP program. It is designed primarily for system programmers responsible for generating, maintaining, and extending HASP features:

Topics:

- OS SYSGEN Requirements
- Generating a HASP System (HASPGEN)
- HASPGEN Parameters
- Installing HASP in the System
- Generating HASP Remote Terminal Programs (RMTGEN)
- Remote Generation for Non-HASP Users
- RMTGEN Parameters
- Storage Requirements
- Reference Listing of HASPJCL
- Internal Reader
- HASP-TSO Interface
- Execution Batch Scheduling
- Generating More Than Fifteen Logical Partitions
- Multiple Devices on MULTI-LEAVING Remotes
- HASP 2770 and 3780 RJE Support
- 3211 Forms Control Buffer Additional Loads
- HASP-SMF Interface
- General HASP Restrictions

Manual, 178 pages

GC27-6993

OS/VS2, HASP II VERSION 4 OPERATOR'S GUIDE
PROG. NO. 370H-TX-001

This publication tells the computer operator how to use HASP II Version 4 with OS/VS2 Release 1. It presents specific operating techniques and operator commands for:

- o Starting, stopping and restarting the HASP System
- o Handling system input and input devices
- o Handling system output and output devices
- o Controlling devices
- o Controlling jobs

Appendixes to this publication list HASP messages and detail operation of HASP remote work stations: 1130, System/360 (Model 20 and up), 2922, 2780, 2770, System/3, and 3780. Manual, 245 pages

GC27-6995

VIRTUAL TELECOMMUNICATIONS ACCESS METHOD (VTAM) APPLICATION PROGRAMMER'S REFERENCE MANUAL - COMPONENT NUMBERS 5741-SCI-DE AND 5742-SCI-DE

This book provides those who will be coding these programs an opportunity to study the form and scope of the application program macro instructions before VTAM becomes available. The book is not intended for persons who are modifying existing programs to make them VTAM-compatible. VTAM is an access method that allows a program operating under a virtual storage operating system to communicate with the terminals of a teleprocessing network. The language that this book describes consists of the VTAM macro instructions with which the program prepares for and requests communication with the terminals. The book is primarily a set of descriptions of these macro instructions. It also explains, in a general way, how to use macro instructions. Manual, 156 pages

GC27-6999

AN INTRODUCTION TO PROGRAMMING THE IBM 3270

Provides the information required to program the IBM 3270 Information Display System.

Programming the 3270 includes designing the panel, building and coding the data stream, analyzing data, designing the line control program, and handling error recovery.

The intended audience is the systems and application programmers who install the 3270 and tailor it to the needs of their installations.

The first section of the book describes screen design. Fields and attributes are discussed, as well as data streams, orders, and the use of such 3270 features as program attention keys and the Selector Pen. The second section describes screen management by means of decoding and generating data streams, mapping, building output data streams, and the automatic copy function. The third section discusses device management. The master terminal program is described, as well as reliability and error recovery procedures such as sense/status analysis. Manual, 112 pages

GC28-0600

OS/VS2 PLANNING AND USE GUIDE

This publication describes OS/VS2 to users responsible for selecting, evaluating, and implementing an OS/VS2 system. The purpose of this publication is to introduce VS2 concepts and to provide planning and use information. This publication assumes a knowledge of OS/MVT. (MVT is described in IBM System/360 Operating System: MVT Guide, GC28-6720.) This publication contains the following chapters:

- o Introduction
- o System Control Program
- o Standard Support Programs
- o Options
- o Compatibility

- o Defining the System
- o Job Management and Supervisor Services for System Programmers
- o Supervisor Macro Instructions for System Programmers
- o System Overview
- o Glossary

Related publications are:

Introduction to Virtual Storage in System/370, GR20-4260
IBM System/370 System Summary, GA22-7001
IBM Data Processing Glossary, GC20-1699
OS/VS Virtual Storage Access Method (VSAM) Planning Guide, GC26-3799
OS/VS1 Planning and Use Guide, GC24-5090.
Systems Publication, 248 pages

GC28-0601

OS/VS2 RELEASE 1 GUIDE

This publication contains information about the scope and content of Release 1 of OS/VS2. It provides planning and implementation information for installation managers, system programmers, and IBM field personnel.

The publication describes special considerations, module information, and ordering and distribution procedures for Release 1 of OS/VS2. Manual, 104 pages

GC28-0602

OS/VS MASTER INDEX

This publication consolidates the indexes of publications in the IBM System Library for OS/VS; it applies to both VS1 and VS2.

The master index lists topics alphabetically, and refers to publications where these topics are discussed. The indexes of these publications list the same topics and refers to specific pages. Systems publication, 408 pages

GC28-0604

OS/VS2 STORAGE ESTIMATES MANUAL

This publication is intended for three types of users: system planners, system programmers, and application programmers. It contains instructions, formulas, and figures that can be used to estimate the storage requirements for OS/VS2. Storage requirements are divided into three categories: real storage, virtual storage, and auxiliary storage. Each type of user can use this publication differently.

- o System planners can use this publication to plan the storage requirements of a new system, including the effects of options on the total storage requirement.
- o System programmers can use this publication to determine the amount of real, virtual, and auxiliary storage that has to be allocated during system generation and to determine the amount of storage available to the application programmer.
- o Application programmers can estimate the storage requirements of their jobs.

This publication should be used with OS/VS2 System Generation Reference, GC26-3792. Manual, 156 pages

GC28-0617

OS/VS JCL SERVICES NUMBER 5741-010

This publication describes services provided by the operating system that an applications programmer can request by coding parameters of the job control language (JCL). This book is written primarily for applications programmers who code JCL statements for their job and assumes the reader has a basic knowledge of computer operating systems and some familiarity with JCL. The introduction to the book contains a brief overview of the nine JCL statements and an introduction to the organization of services in the book. The descriptions of JCL services are divided into five groups running your job; defining and describing data sets; special data sets; obtaining output; cataloged and in-stream procedures. Chapters within each group describes when or why you would want to request the services discussed and how to request or control the service.

Not every service provided by JCL is included in the book. The introduction contains a list of JCL services, noting the publication in which each service is described and the parameter, subparameter, or statement used to request the service. OS/VS JCL Services is a companion book to the OS/VS JCL Reference, GC28-0618. In this book, parameters of the job control language are discussed only in the context of requesting services. Complete parameter descriptions, including syntax rules are included in the OS/VS JCL Reference. Manual, 96 pages

GC28-0618

OS/VS JCL REFERENCE - SYSTEMS PUBLICATION

Every job submitted for execution by OS/VS1 or OS/VS2 must include job control language statements. These statements contain information required to initiate and control the processing of jobs.

This publication defines the facilities provided with the job control language and contains the information necessary to code job control language statements. The book is intended for application and system programmers who are familiar with JCL.
Manual, 380 pages

GC28-0631

OS/VS DATA MANAGEMENT FOR SYSTEM PROGRAMMERS

This publication consists of self-contained chapters, each providing information on how to modify, extend, or implement the data management capabilities of the OS/VS control program. It is designed primarily for system programmers responsible for maintaining, updating, and extending the operating system features.

The topics discussed are:

- o Maintaining the VTOC and system catalog
- o Using EXCP or XDAP to execute a user-written channel program
- o Implementing data set protection
- o Using system macro instructions to refer to or modify system data areas.
- o Adding a UCS image or an FCB image to the system image library.

Manual, 141 pages

GC28-0632

OS/VS2 DEBUGGING GUIDE

This publication provides debugging guidelines and aids for the programmer who debugs problem programs or system routines. In addition, it contains the formats and field descriptions for the output from the IBM dump and trace programs. This publication is divided into three sections:

- o Section 1 is a general introduction to debugging.
- o Section 2 contains pointer diagrams and debugging information that can help the programmer to find information in dump or trace output.
- o Section 3 contains the format and field descriptions for the output from the various dump and trace programs.

Appendixes contain tables, lists, and other reference material.

Prerequisite publications are OS/VS Message Library: VS2 System Codes GC38-1008 OS/VS Message Library: VS2 System Messages, GC38-1002, and any other message manual that supports the functions included in the installation's operating system.

Manual

GC28-0633

OS/VS SERVICE AIDS MANUAL

This publication explains when, why, and how to use IBM service aids to diagnose and fix failures in system or application programs. Each service aid is discussed in a separate chapter. The service aids are:

- o GTF (Generalized Trace Facility) - Traces selected system events such as SVC and I/O interruptions.
- o IMCJOBQD (VS1 only) - Operates as a standalone program to format and print the system job queue.
- o HMBLIST (VS1)/AMBLIST (VS2) - Formats and prints object modules, load modules, and CSECT identification records; maps reenterable load module area.
- o IMCOSJQD (VS2 only) - Operates as a problem program to format and print the system job queue.
- o HMDPRDMP (VS1)/AMDPRDMP (VS2) - Formats and prints dump data sets, which may include page data sets and GTF trace data.
- o HMAPTFLE (VS1)/AMAPTFL (VS2) - Updates an operating system by applying PTFs or by generating JCL statements needed to apply PTFs or ICRs in a later step.
- o HMDSADMP (VS1)/AMDSADMP (VS2) - Operates as a standalone program to produce high-speed or low-speed dump of real storage. The high-speed version can also dump page data sets.
- o HMASPZAP (VS1)/AMASPZAP (VS2) - Verifies and/or replaces instructions and/or data in a load module.

Information about how to write PRDMP/EDIT user exit programs is provided in a separate appendix. Messages issued by the service aids are described in OS/VS Message Library: Service Aids and OLTEP Messages, GC38-1006.

Manual, 296 pages

GC28-0636

OS/VS OLTEP MANUAL

This publication provides customer engineers, other qualified personnel, and operators with the information required to use the Online Test Executive Program (OLTEP). OLTEP is a standard component of OS/VS that is designed to run online test programs, under control of the operating system, for the testing of Input/Output devices.

Messages issued by OLTEP are described in OS/VS Message Library: Service Aids and OLTEP Messages, GC38-1006.

Customer engineers should refer to F.E. Diagnostic Order Procedure, Z225-0505, for ordering procedures for online tests and their documentation.
Manual, 76 pages

GC28-0638

OS/VS SYS1.LOGREC ERROR RECORDING MANUAL

This publication is intended for system operators, programmers, and administrators involved in using the information on the SYS1.LOGREC data set. This publication describes:

- o Why and how the different types of error records are built and recorded on SYS1.LOGREC.
- o The service aid programs that can be used to maintain and retrieve the information on SYS1.LOGREC

Messages issued by the IFCDIP00 and IFCEREPO service aids are described in OS/VS Message Library: Service Aids and OLTEP Messages, GC38-1006.
Manual, 84 pages

GC28-0640

OS/VS DYNAMIC SUPPORT SYSTEM - FEATURE NUMBERS 5007, 5008, 5413, AND 5414 - PROGRAM NUMBERS 5741 AND 5742

A combined language reference manual and user's guide for the Dynamic Support System (DSS).

DSS is a monitoring and debugging program that is intended for use by IBM Program Systems Representatives and user-authorized maintenance personnel. DSS helps identify and provide temporary fixes to software errors in the IBM Operating System with Virtual Storage (OS/VS).

This book has six sections. Section 1 describes the functions and capabilities of DSS. Section 2 describes the DSS command language. Section 3 is a summary of Section 2. Section 4 tells how to use DSS. Section 5 describes the formatted output (dumps and displays) produced by DSS. Section 6 describes the messages issued by DSS.

Although there are not mandatory prerequisite publications, before using DSS the reader must have a thorough knowledge of the internal logic of OS/VS.

OS/VS1 information is for planning purposes only until DSS is available in OS/VS1.
Manual, 176 pages

GC28-0644

OS/VS2 TSO GUIDE

This publication describes the concepts, features, and implementation of TSO, a general purpose time-sharing facility, operating under the VS2 configuration of the control program. This manual is intended for those who design, generate, and maintain a TSO installation. Topics discussed are:

- o The capabilities and advantages of time sharing in general and TSO in particular.
- o The programming languages and system facilities available to a TSO terminal user.
- o The system configuration TSO requires.
- o How to generate and maintain a TSO system.
- o Program Products available with TSO.
- o The differences between TSO in OS/VS2 and TSO in OS/MVT.

The prerequisite publication is: OS/VS2 Planning and Use Guide, GC28-0600.
Manual, 148 pages

GC28-0645

OS/VS2 TSO TERMINAL USER'S GUIDE

This publication describes how to use TSO Command Language to perform the following basic functions:

- o Start and end a terminal session
- o Enter and manipulate data
- o Program at the terminal
- o Test a program
- o Write and use command procedures

No prior knowledge of TSO is required to use this publication and there are no prerequisite publications. After becoming familiar with the information presented in this manual, you should use OS/VS2 TSO Command Language Reference, GC28-0646, for further reference.
Manual, 96 pages

GC28-0646

OS/VS2 TSO COMMAND LANGUAGE REFERENCE

This publication describes the commands, operands, and syntax of the TSO command language. It is intended for use at a terminal as a reference. The prerequisite publication, TSO Terminal User's Guide, GC28-0645, describes what commands are used to perform specific functions. The Command Language Reference also describes the statements used in command procedures and contains appendices describing system commands and program product commands. The audience for this publication should have a basic knowledge of using a terminal and a familiarity with TSO commands.
Manual, 280 pages

GC28-0648

OS/VS2 TSO GUIDE TO WRITING A TERMINAL MONITOR PROGRAM OR COMMAND PROCESSOR

This publication describes features of TSO that can be replaced, modified, or added to by each user of TSO to adapt it to his particular needs. The manual is intended for programmers whose responsibility it is to modify the portions of TSO that communicate directly with the user

at the terminal.

It discusses the Terminal Monitor Program and the Command Processors from the viewpoint of their replaceability, and it describes the programming facilities provided within TSO for user-written Terminal Monitor Programs, Commands Processors, and application programs. These features include:

- o Service routines
- o Macro Instructions
- o SVCs
- o The Dynamic Allocation Interface Routine (DAIR)
- o The TEST Command Processor

No prerequisite information is needed to use this book. For MVT/TSO users, IBM System/360 Operating System: Time Sharing Option Command Publication; for VS2/TSO users, the corequisite publication is OS/VS2 TSO Command Language Reference, GC28-0646. Manual, 316 pages

GC28-0661

INTRODUCTION TO OS/VS2 RELEASE 2

This publication contains introductory information about VS2 Release 2, a system control program (SCP) that features virtual storage, multiprogramming, multiprocessing, time sharing, and streamlined job scheduling. It is assumed that readers have a basic knowledge of programming systems such as OS/MVT or OS/VS2 Release 1. Manual

GC28-0666

OS/VS OLTEP SYSTEMS PUBLICATION - COMPONENT NUMBERS
5741-SC1-06 AND 5742-SC1-06

This publication provides customer engineers, other qualified personnel, and operators with the information required to use the Online Test Executive Program (OLTEP). OLTEP is a standard component of OS/VS that is designed to run online test programs, under control of the operating system, for the testing of Input/Output devices. Messages issued by OLTEP are described in OS/VS Message Library: Service Aids and OLTEP Messages, GC38-1006. Customer engineers should refer to F.E. Diagnostic Order Procedure, Z225-0505, for ordering procedures for online tests and their documentation. Manual

GC28-0667

OS/VS2 PLANNING GUIDE FOR RELEASE 2

Provides planning information for installations that intend to install OS/VS2 Release 2.

OS/VS2 Release 2 is a virtual storage operating system with multiprogramming, time sharing (TSO) and job entry subsystems. It provides new features and enhances existing OS/MVT and OS/VS 2 differences between VS2 Release 2 and both MVT and VS2 Release 1.

The intended audience is an installation manager or a system programmer responsible for assessing the effort required to install an OS/VS2 Release 2 system.

The introduction highlights major points that should be considered for installing VS2 Release 2. The first section describes procedures and macro instructions for system generation, procedures and parameters for system initialization, and system libraries and data sets. The second section describes the system resources manager and MF/1 (the system activity measurement facility). The third section describes reduced serialization in I/O device allocation processing. The fourth section describes system integrity and recommendations for maintaining it in control program extensions or modifications. The fifth section describes conversion considerations for SMP, JCL, operator commands, time-sharing, data sets, programs and multiprocessing. Appendixes show virtual storage layout and differences between JES2 and HASP. Prerequisite Publications:

The reader must be familiar with the information presented in:
IBM System/370 Introduction to VS2 Release 2, GC28-0661 Manual, 140 pages

GC28-2000

IBM SYSTEM/360 TIME-SHARING SYSTEM ASSEMBLER LANGUAGE

This publication describes the IBM System/360 Time Sharing System Assembler Language, a symbolic programming language used to write programs for IBM System/360. The language provides a convenient means for representing the machine instructions and related data necessary to program the IBM System/360, especially as related to Time Sharing System/360 (TSS/360). The TSS/360 Assembler Program processes the language and provides auxiliary functions for preparing and documenting a program; the Assembler includes facilities for processing the assembler macro language. Systems Reference Library Manual, 132 pages

GC28-2001

IBM SYSTEM/360 TIME-SHARING SYSTEM COMMAND SYSTEM USER'S GUIDE

This publication contains information on the Command System in Time Sharing System/360. It gives to the user the facilities he needs for constructing, executing, and

debugging his programs; also, he can create, modify, share, and copy data sets; he can move them to or from input/output devices. The user can modify and add to the IBM-supplied command system to meet his specific requirements. Systems Reference Library Manual, 250 pages

GC28-2003

IBM SYSTEM/360 TIME SHARING SYSTEM CONCEPTS AND FACILITIES

Time Sharing System/360 is a comprehensive programming system used in conjunction with IBM System/360 computers that have time-sharing features. TSS/360 comprises a supervisory program, a group of service programs, and a group of user programs. The supervisory program controls operation of the system and provides the time-sharing environment. The service programs perform task- and data-management functions in response to user or system requests. The user programs perform language processing, linkage editing, and other work defined by the user's problem programs.

The primary purpose of TSS/360 is to provide many users with simultaneous conversational (on-line) access to a computing system that may have a single processor, or multiple processors. The combination of machine and program features gives each user the impression that he has sole possession of the system. He uses the system as if he had a directly accessible main-storage addressing space equal to the addressing capability of the system, rather than its actual main-storage capacity.

While the system is operating conversationally, for many simultaneous users, it can also operate nonconversationally, with batch-type processing jobs, in the background.

Systems Reference Library Manual, 76 pages

GC28-2004

IBM SYSTEM/360 TIME-SHARING SYSTEM ASSEMBLER USER MACRO INSTRUCTIONS - SYSTEMS REFERENCE LIBRARY

IBM System/360 Time Sharing System provides comprehensive program and data management services which, together with communication, bulk output, and interruption handling services, are requested through macro-instructions. These macro-instructions are written in the assembler language as an aid to programming and processing time-shared tasks. Systems Reference Library Manual, 272 pages

GC28-2005

IBM SYSTEM/360 TIME-SHARING SYSTEM LINKAGE EDITOR

This publication describes the linkage editor, an optional service program available for the IBM System/360 Time Sharing System (TSS/360). The linkage editor connects and edits program modules that have been assembled or compiled separately to produce a single program module that can be efficiently loaded by the dynamic loader at execution time. Linkage editor facilities are illustrated in conversational and nonconversational modes of operation. Systems Reference Library Manual, 54 pages

GC28-2006

IBM SYSTEM/360 TIME-SHARING SYSTEM TIME SHARING SUPPORT SYSTEM

This publication describes the Time Sharing Support System and the command language used to operate it. This system is used only by system programmers with authority code O or P and is not intended to be available to any other Time Sharing System/360 users; consequently, this manual contains no information required by users other than properly authorized system programmers.

The Time Sharing Support System is an on-line program error analysis facility that provides the capability of collecting data from the Time Sharing System/360 for analysis and of altering the Time Sharing System/360 storage and machine registers. These functions may be performed on command from a terminal or dynamically during TSS/360 execution; and the programs, tables, and control blocks of real, virtual, and secondary storage can be referenced. Systems Reference Library Manual, 64 pages

GC28-2007

IBM SYSTEM/360 TIME-SHARING SYSTEM FORTRAN IV

This publication describes and illustrates the use of the IBM FORTRAN IV language for the IBM System/360 Time Sharing System (TSS/360).

The IBM FORTRAN IV language is a symbolic programming language that parallels the symbolism and format of mathematical notation. It provides many programming features and facilities that can be used to express as a meaningful FORTRAN program the method of solution of a mathematical problem.

Systems Reference Library Manual, 118 pages

GC28-2008

IBM SYSTEM/360 TIME SHARING SYSTEM SYSTEM PROGRAMMER'S GUIDE

IBM System/360 Time Sharing System (TSS/360) makes a distinction between user and system programmers. This publication is specifically intended for persons responsible for maintaining, modifying, or extending the system and discusses:

1. Operating environment
2. Program structure
3. Coding practices and conventions
4. Privileged supervisor call instructions
5. Serviceability aids
6. System macro definitions
7. Changing TSS/360
8. Privilege Class E

Systems Reference Manual, 248 pages

GC28-2010

IBM SYSTEM/360 TIME-SHARING SYSTEM SYSTEM GENERATION AND MAINTENANCE

This publication explains how an installation generates and maintains IBM System/360 Time Sharing System (TSS/360).

System generation is the process of specifying and creating an installation adapted TSS/360. An operable time-sharing system is necessary for system generation. Initially, a basic system is provided.

System maintenance is the procedure for incorporating changes to TSS/360.

This publication presents:

- The construction of the basic TSS/360;
- The method of specifying, through SYSGEN macro instructions, such installation-dependent information as machine configuration, task-management requirements, and command-language default specifications;
- The application of this information to create a new TSS/360;
- The maintenance process for TSS/360;
- The method of dynamically modifying TSS/360 for the duration of a startup-to-shutdown session.

Systems Reference Library Manual, 92 pages

GC28-2017

IBM SYSTEM/360 TIME SHARING SYSTEM VERSION 8.1: TERMINAL USER'S GUIDE

This manual gives instruction for operating the IBM 2741 Communications Terminal, the IBM 1050 Data Communications System and the teletypewriter terminal with the IBM System/360 Time Sharing System. It is intended for programmers, system managers, and system administrators who use terminals in the IBM System/360 Time Sharing System. Manual, 32 pages

GC28-2023

IBM SYSTEM/360 TIME SHARING SYSTEM MASTER INDEX

This index has been compiled from the indexes of the existing SRL publications that describe the IBM System/360 Time Sharing System. It is a subject index that refers the reader to the individual publications. Actual page references will be found in the individual indexes. Systems Reference Library Manual, 108 pages

GC28-2024

IBM SYSTEM/360 TIME-SHARING SYSTEM MANAGER'S AND ADMINISTRATOR'S GUIDE

This manual provides detailed information on the command system as used by system managers and system administrators in Time Sharing System/360. They share an identical set of commands with which they control access to the time sharing system.

Systems Reference Library Manual, 36 pages

GC28-2025

IBM SYSTEM/360 TIME-SHARING SYSTEM FORTRAN PROGRAMMER'S GUIDE

This publication describes how to use the IBM System/360 Time Sharing System (TSS/360) for compiling and executing programs written in the FORTRAN IV language. It also describes how to use the services and features of TSS/360 that, while not directly related to FORTRAN programming, are frequently of use to the FORTRAN programmer. Systems Reference Library Manual, 184 pages

GC28-2026

IBM SYSTEM/360 TIME SHARING SYSTEM FORTRAN IV LIBRARY SUBPROGRAMS

This publication describes the FORTRAN IV library subprograms provided with IBM System/360 Time Sharing System (TSS/360) and provides the information necessary to use the subprograms in either a FORTRAN IV or an assembler-language program.

System Reference Library Manual, 72 pages

GC28-2028

IBM SYSTEM/360 TIME SHARING SYSTEM TEST AND MAINTENANCE USER'S GUIDE - PROGRAM NUMBER 360G-CL-627

This publication describes, for the IBM System/360 Time Sharing System (TSS/360), how to use the On Line Test System (OLTS), and how to retrieve system error recordings using the Error Recording Edit and Print (EREPS7/UMEREP) procedure. Device partitioning and system quiescence are described, and the error recordings interpreted.

This publication is meant for use by system monitor and/or maintenance personnel. It may be used to determine

the hardware component responsible for failures, and in the testing of the component.

Systems Reference Library Manual, 8-1/2 x 11, 72 pages

GC28-2032

IBM SYSTEM/360 TIME-SHARING SYSTEM ASSEMBLER PROGRAMMER'S GUIDE

This publication explains the use of Time Sharing System/360 (TSS/360) for assembler language applications programmers. It describes how to assemble, store, and execute programs in TSS/360, as well as how to identify data sets, process them as input/output in problem programs, and manipulate them in various ways (such as erasing, copying, modifying, and cataloging them).

Task Management and Data Set Management are described so that the reader may efficiently utilize the time sharing facilities. Both System-supplied and user-defined commands are shown, including the flexibility of the Text Editor, the BULLTIN command, PROCDEF, and the User Profile.

Systems Reference Library Manual, 206 pages

GC28-2033

IBM SYSTEM/360 TIME-SHARING SYSTEM OPERATOR'S GUIDE

This manual provides detailed information on the functions of the system operator for the time sharing, and on the facilities of the common language reserved for the operators. The system operator has a set of commands which he controls and monitors the system configuration and handles system requests.

Systems Reference Library Manual, 58 pages

GC28-2034

IBM SYSTEMS/360 TIME SHARING SYSTEM MULTITERMINAL TASK PROGRAMMING AND OPERATION PROGRAM NUMBER 360S-CI-555

This publication describes how to create a multiterminal (MTT) task, which will run under the IBM System/360 Time Sharing System (TSS/360). It also explains how to write an MTT application program, and how to connect it to a multiterminal task.

The publication is meant for use by TSS/360 installations as a reference book for persons responsible for administering and/or writing an MTT application program. Manual, 48 pages

GC28-2037

IBM SYSTEM/360 TIME SHARING SYSTEM: SYSTEM MESSAGES

The IBM System/360 Time Sharing System provides for a dialogue between the user and the system. The system participates in this dialogue with a series of messages, which provide the recipient with the information he requires to fulfill his task. These messages may be received at a remote terminal in the conversational mode, in the data set created as part of the output of a nonconversational task, or at the operator's terminal in the machine room.

This publication lists and explains all of the messages issued by all IBM-supplied components of the IBM System/360 Time Sharing System. Furthermore, it contains additional information with each message, such as the identification code of the modules issuing and determining the need for the message, the transmittal technique, and where appropriate the format of the associated dump or the completion code.

Systems Reference Library Manual, 688 pages

GC28-2038

IBM SYSTEM/360 TIME-SHARING SYSTEM INDEPENDENT UTILITIES

This publication discusses the uses of the independent utility programs that support IBM System/360 Time Sharing System (TSS/360), their features, functions, capabilities, control statements, and record formats. The TSS/360 independent utility programs are: direct-access storage device initialization (DASDI), direct-access storage device dump/restore (DASDDR), direct-access print (DADUMP), and core dump.

Systems Reference Library Manual, 32 pages

GC28-2043

IBM SYSTEM/360 TIME-SHARING SYSTEM ADDENDUM PROGRAM NUMBER 360S-CI-555

This addendum presents the specifications for program changes that have been made recently to the IBM System/360 Time Sharing System (TSS/360).

This addendum should be regarded as a required supplement to the present TSS/360 publications.

Systems Reference Library Manual, 18 pages

GC28-2044

IBM SYSTEM/360 TIME-SHARING SYSTEM PLANNING FOR REMOTE JOB ENTRY

This is a planning aid to be used prior to the availability of the remote job entry feature of IBM System/360 Time Sharing System.

Remote job entry provides all central TSS/360 batch processing facilities to remote locations. The input/output device used at remote stations is an IBM 2780 Data Transmission Terminal, Model 1.

Systems Reference Library Manual, 16 pages

- GC28-2045
IBM SYSTEM/360 TIME-SHARING SYSTEM PL/I REFERENCE MANUAL
PROGRAM NUMBERS 360G-CL-625 360G-CL-626
 This publication is a companion volume to IBM System/360 Time Sharing System: PL/I Programmer's Guide, Order GC28-2049. Together the two books form a guide to the writing and execution of PL/I programs under the control of an IBM System/360 Time Sharing System that includes the PL/I compiler.
 Systems Reference Library Manual, 332 pages
- GC28-2046
IBM SYSTEM/360 TIME-SHARING SYSTEM PL/I LIBRARY
COMPUTATIONAL SUBROUTINES - PROGRAM NUMBER 360G-CL-627
 This publication gives details of the computational subroutines available in the PL/I Library. These subroutines are used by the PL/I compiler in the implementation of PL/I built-in functions and of the operators used in the evaluation of PL/I expressions. Not all PL/I built-in functions and expression operators are supported by the PL/I Library; the compiler generates in-line code for a small number of them. The details provided include summaries of the mathematical methods used, and (where appropriate) figures for range and accuracy.
 Systems Reference Library Manual, 56 pages
- GC28-2048
IBM SYSTEM/360 TIME SHARING SYSTEM INTRODUCING TSS/360
A PRIMER FOR FORTRAN USERS
PROGRAM NUMBER 360S-CI-555
 A subset of Time Sharing System/360 (TSS/360) is presented in this book to allow use of basic system facilities without an extensive knowledge of the command system, by which system functions are invoked. The reader of the book is presumed to have at least a basic knowledge of FORTRAN. In addition, the user profile under which the reader will use TSS/360 should be altered as explained in Appendix B. This can be done by the reader himself, if necessary; preferably, however, it should be done by someone in a supervisory or tutorial relationship to the reader.
 The altered user profile can be changed again by the reader if he progresses to using the full command system. The full system is explained in other books of the TSS/360 Systems Reference Library.
 This book contains basic information on the three kinds of terminals that can be used with TSS/360.
 Manual, 60 pages
- GC28-2049
IBM SYSTEM/360 TIME SHARING SYSTEM PL/I PROGRAMMER'S GUIDE
 This publication is a comparison volume to IBM System/360 Time Sharing System PL/I Language Reference Manual, Order No. GC28-2045. Together the two books form a guide to the writing and execution of PL/I programs under the control of an IBM System/360 Time Sharing System that includes a PL/I Compiler. This publication is concerned with the relationship between a PL/I program and the Time Sharing System. It explains how to compile and execute a PL/I program, and introduces the command system, data management, and other essential features of TSS/360.
 Systems Reference Library Manual, 150 pages
- GC28-2056
IBM SYSTEM/360 TIME SHARING SYSTEM
DATA MANAGEMENT FACILITIES
 The Data Management facilities of TSS/360, described in this manual provide the users with standardized methods for handling collections of data, while taking maximum advantage of the Time-Shared environment in which they operate.
 Systems Reference Library Manual, 80 pages
- GC28-2057
IBM SYSTEM/360 TIME SHARING SYSTEM REMOTE JOB ENTRY
 Remote Job Entry (RJE) allows users at remote locations to submit punched-card input to, and receive printed output from, the central TSS/360 installation.
 RJE users can enter card decks in the same format as that used at the local, online card reader. Nonconversational SYSIN data sets can be entered for execution, and data-card card decks can be entered and stored as virtual storage data sets. Output can be returned to the originating location or routed to the installation's high-speed printer. SYSOUT data sets are returned to the originating location unless redirected by the system operator.
 This publication describes RJE concepts, terminology, and procedures. Information required by users at remote locations, including RJE control statements, is presented; also, commands used by the system manager, system administrator, and system operator to control the RJE system are described.
 Systems Reference Library Manual, 50 pages
- GC28-6380
IBM SYSTEM/360 OPERATING SYSTEM COBOL (F) PROGRAMMER'S GUIDE
PROGRAM NUMBER 360S-CB-524 360S-IM-525
 This publication describes how to compile, linkage edit, and execute a COBOL (F) Program. The text also describes the output from each of these. In addition it explains options of the compiler and many available features of the operating system.
 Systems Reference Library Manual, 226 pages
- GC28-6394
IBM DOS FULL AMERICAN NATIONAL STANDARD COBOL, PROG. NOS.
360N-CB-482(V1 & 2), 5736-CB2(V3 COMPILER), LM2(V3 LIBRARY)
 COBOL (Common Business Oriented Language) is a programming language, similar to English, that is used for commercial data processing. It was developed by the Conference on Data Systems Languages (CODASYL). The U. S. A. standard of the language is USA Standard COBOL, X3.23-1968, as specified by the United States of America Standards Institute (USASI).
 IBM System/360 Disk Operating System USASI COBOL incorporates the eight processing modules defined in the USA standard. These modules include: Nucleus, Table Handling, Sequential Access, Random Access, Sort, Report Writer, Segmentation, and Library. A significant number of IBM extensions are implemented as well. The IBM implementation of USA Standard COBOL also complies with the first Draft ISO Recommendation on COBOL.
 This publication gives the programmer the rules for writing programs that are to be compiled by the IBM USASI COBOL compiler under the Disk Operating System. It is meant to be used as a reference manual in the writing of IBM USASI COBOL programs.
 Systems Reference Library Manual, 360 pages
- GC28-6395
IBM SYSTEM/360 COBOL DIFFERENCES USA STANDARD COBOL
CONVERSION
 This publication summarizes the differences between the current IBM System/360 COBOL languages -- COBOL D, COBOL E, and COBOL F -- and the IBM COBOL languages conforming to the full USA Standard COBOL -- IBM System/360 Operating System USASI COBOL and IBM System/360 Disk Operating System USASI COBOL. It also summarizes new features offered in the IBM USASI COBOL languages.
 This Differences Manual is meant to be a supplementary reference manual. Therefore, it is advisable that it be used only in conjunction with the IBM USASI COBOL Language Manuals.
 Systems Reference Library Manual, 52 pages
- GC28-6396
IBM OS FULL AMERICAN NATIONAL STANDARD COBOL
SYSTEM LIBRARY MANUAL - PROGRAM NUMBERS:
VERSION 2 360S-CB-545 VERSION 3 5734-CB1
VERSION 4 5734-CB2 (COMPILER AND LIBRARY)
5734-IM2 (LIBRARY ONLY)
 This publication describes all current versions of IBM OS Full American National Standard COBOL -- Versions 2, 3, and 4. It gives the programmer the rules for writing programs that are to be compiled by the IBM Full American National Standard COBOL compilers under the Operating System. It is meant to be used as a reference manual in the writing of IBM American National Standard COBOL programs.
 Manual, 503 pages
- GC28-6397
IBM SYSTEM/360 DISK OPERATING SYSTEM FORTRAN IV
PROGRAMMER'S GUIDE PROGRAM NUMBERS 360N-FO-479 360N-IM-480
 This publication describes the procedures for compiling and executing FORTRAN programs under control of the Disk Operating System. Its purpose is to guide the programmer with examples and techniques of the FORTRAN language. It also exposes the user to the components of the control program and facilities of the IBM System/360 Disk Operating System.
 Manual, 100 pages
- GC28-6398
IBM SYSTEM/360 DISK OPERATING SYSTEM, FULL AMERICAN NATIONAL
STANDARD COBOL: PROGRAMMER'S GUIDE, PROG. NO. 360N-CB-482
 This publication describes how to compile, linkage edit, and execute a USA Standard COBOL program under the control of the IBM System/360 Disk Operating System. The text also describes the output from each of these steps. In addition, it explains features of the compiler and available options of the operating system.
 Systems Reference Library Manual, 236 pages
- GC28-6399
AMERICAN NATIONAL STANDARD COBOL PROGRAMMER'S GUIDE
 This publication describes how to compile an American National Standard COBOL X3.23-1968 program using Version 2 of the IBM System/360 Operating System Full COBOL compiler. It also discusses how to linkage edit or load and execute the program under control of the IBM System/360 Operating System. There is a description of the output of each of these steps, i.e., compile, load, linkage edit,

and execute. In addition, there is an explanation of the features of the compiler and available options of the operating system. Note that American National Standard COBOL was formerly known as USA Standard COBOL. Systems Reference Library Manual, 279 pages

GC28-6400

IBM CONVERSION AIDS: COBOL-TO-AMERICAN NATIONAL STANDARD COBOL LANGUAGE CONVERSION PROGRAM
PROGRAM NUMBERS 360N-CV-489, 360C-CV-713
This publication describes the IBM COBOL Language Conversion Programs (COBOL LCP). The COBOL LPCS translate existing IBM System/360 COBOL input programs into USA Standard COBOL input programs. COBOL D programs are translated into DOS USA Standard COBOL programs; COBOL E and F programs are translated into OS USA Standard COBOL programs. The LPCS are distributed as problem programs which operate under IBM System/360 Disk Operating System and IBM System/360 Operating System.
Systems Reference Library Manual, 98 pages

GC28-6402

IBM SYSTEM/360 DISK OPERATING SYSTEM: AMERICAN NATIONAL STANDARD SUBSET COBOL COMPILER GENERAL INFORMATION
This publication provides an introduction to the features of the IBM Subset American National Standard COBOL Compiler and Library, Release 2, a program product that operates under the IBM Disk Operating System. Included are a summary of the characteristics of the compiler, examples of some of the features of the language, and planning information on system requirements and compatibility characteristics.
This publication is written for installation analysts and planners. It provides them with a basis for general planning and for evaluating this product in relation to their needs. It is not meant to describe the language fully. A complete description is available in the publication IBM DOS Subset American National Standard COBOL, Order No. GC28-6403.
Program Product Manual, 12 pages

GC28-6403

IBM SYSTEM/360 DISK OPERATING SYSTEM: AMERICAN NATIONAL STANDARD SUBSET COBOL PROGRAM NUMBER 5736-CB1
COBOL (Common Business Oriented Language) is a programming language, similar to English, that is used for commercial data processing. It was developed by the Conference On Data Systems Languages (CODASYL). The U. S. A. standard of the language is American National Standard COBOL, X3.23-1968, (formerly known as USA Standard COBOL), as approved by the American National Standards Institute (ANSI).
IBM System/360 Disk Operating System American National Standard Subset COBOL incorporates six processing modules of the full American National Standard. These modules are:

Nucleus	2NUC 1,2
Sequential Access	2SEQ 1,2
Random Access	2RAC 0,2
Table Handling	2TBL 1,3
Library	1LIB 0,2
Segmentation	1SEG 0,2

A significant number of IBM extensions to these modules are implemented as well; these extensions are printed on a shaded background.

This publication gives the programmer the rules for writing programs that are to be compiled by the IBM American National Standard Subset COBOL compiler under the Disk Operating System. It is meant to be used as a reference manual in the writing of IBM American National Standard COBOL programs.
Manual, 20 pages

GC28-6406

IBM SYSTEM/360 OPERATING SYSTEM FULL AMERICAN NATIONAL STANDARD (ANS) COBOL COMPILER VERSION 3 DESIGN OBJECTIVES SHEET, PROGRAM NUMBER 5734-CB1
This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product.
Design Objectives, 2 pages

GC28-6407

IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3: GENERAL INFORMATION, PROG. NO. 5734-CB1
This publication gives general information about the IBM System/360 Operating System American National Standard Full COBOL Compiler and Library, Version 3, an implementation compatible with the highest level of American National Standard COBOL. The Version 3 Compiler and Library is a Program Product that operates under control of the IBM System/360 Operating System. Included here are brief descriptions of the compiler's features, as well as information on operating system requirements and machine configuration.
This publication is intended as an aid in evaluation and planning; it is not meant for the COBOL programmer. Publications for the COBOL Programmer will be provided

when the IBM System/360 Operating System American National Standard Full COBOL Compiler and Library, Version 3, becomes available.
Manual, 20 pages

GC28-6408

IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 4 - PPDO - PROG. NOS. 5734-CB2, -LM2
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.
Flyer, 4 pages

GC28-6420

IBM DOS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER, VERSION 3: PPDO, PROG. NO. 5736-CB2 PROGRAM NUMBER 5736-CB2
This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product.
Design Objectives, 2 pages

GC28-6421

IBM DOS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3, RELEASE 2, GENERAL INFORMATION PROG. NOS. 5736-CB2 (CCMPILER), 5736-LM2 (LIBRARY) GENERAL INFORMATION
This publication gives general information about the IBM System/360 Disk Operating System American National Standard Full COBOL Compiler Version 3, an implementation compatible with the highest level of American National Standard COBOL, and its associated COBOL object-time Subroutine Library. The Version 3 Compiler and the Subroutine Library are Program Products that operate under control of the IBM System/360 Disk Operating System. Included here are brief descriptions of the compiler's features and a description of the Subroutine Library, as well as information on operating system requirements and machine configuration.
This publication is intended as an aid in evaluation and planning; it is not meant for the COBOL programmer. Publications for the COBOL programmer will be provided when the IBM System/360 Disk Operating System American National Standard Full COBOL Compiler Version 3 and the Subroutine Library become available.
General Information Manual

GC28-6428

IBM DOS FULL AMERICAN NATIONAL STANDARD COBOL OBJECT-TIME SUBROUTINE LIBRARY: PPDO, PROG. NO. 5736-LM2 SUBROUTINE LIBRARY - PROGRAM NUMBER 5736-LM2
This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product.
Design Objectives, 2 pages

GC28-6429

IBM SYSTEM/360 OPERATING SYSTEM: LINKAGE EDITOR (G) INSTALLATION REFERENCE MATERIAL PROGRAM NUMBER 360S-ED-510
The Linkage Editor (E) is released as an independent component intended for installation under the IBM System/360 Operating System. The minimum engineering change level required for implementation of the component is the same as that required for Release 18 of the Operating System. No functional or performance enhancements over the Release 18 version of the Linkage Editor (E) have been incorporated into this component and none are planned for the future.
This publication defines the procedure necessary to install the Linkage Editor (E) in an existing operating system. It is intended for use by system programmers or planners who supervise the generation and maintenance of an installation's operating system. Information on using the Linkage Editor (E) can be found in IBM SYSTEM/360 OPERATING SYSTEM: LINKAGE EDITOR AND LOADER, Form GC28-6538-8. The internal logic of the Linkage Editor (E) is described in IBM SYSTEM/360 OPERATING SYSTEM: LINKAGE EDITOR (E) PROGRAM LOGIC MANUAL, Form GY28-6610.
Systems Reference Library Manual, 12 pages

GC28-6430

IBM SYSTEM/360 OPERATING SYSTEM: FORTRAN IV (E) COMPILER, INSTALLATION REFERENCE MATERIAL PROGRAM NUMBER 360S-FO-092
The Basic FORTRAN IV (E) compiler is released as an independent component that requires installation under the IBM System/360 Operating System. The minimum engineering change level required for implementation of the component is the same as that required for Release 18 of the operating system. No functional or performance enhancements over the Release 18 version of the Basic FORTRAN IV (E) compiler have been incorporated into this component and none are planned for the future.
This publication describes the procedure for installing the Basic FORTRAN IV (E) compiler in an existing operating system. It is intended for use by system programmers or planners who supervise the generation and maintenance of an installation's operating system. Information on using the compiler can be found in IBM SYSTEM/360 OPERATING

SYSTEM: BASIC FORTRAN IV (E) PROGRAMMER'S GUIDE, Form GC28-6603. The internal logic of the compiler is described in IBM SYSTEM/360 OPERATING SYSTEM: FORTRAN IV (E) PROGRAM LOGIC MANUAL, Form GY28-6601.
Systems Reference Library Manual, 16 pages

Manual, 8-1/2 x 11, 54 pages

GC28-6431 *M
OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 4, PLANNING GUIDE - PROGRAM NOS. 5734-CB2, -LM2

The IBM OS Full American National Standard COBOL Compiler and Library, Version 4, is a Program Product that accepts as input source programs written in OS Full American National Standard COBOL, Version 4. Each of the new features of the Version 4 Compiler is described in a separate chapter of this publication. The features are:

- Symbolic Debugging
- Optimized Object Code
- Teleprocessing
- COBOL Library Management Facility
- Dynamic Subprogram Linkage
- Syntax-Checking Compilation
- String Manipulation

System considerations and a description of the COBOL Object-time Subroutine Library are also included.

The Version 4 Compiler also contains all of the features of previous versions and is compatible with the highest level of American National Standard COBOL, X3.23-1968, as approved by ANSI; American National Standard COBOL is compatible with, and identical to, the proposed international standard of the language, Draft ISO Recommendation No. 1989 -- Information Processing -- Programming Language COBOL. The new COBOL language elements of the Version 4 Compiler are IBM extensions to those standards.

This publication is a planning aid for system planners and analysts, and for COBOL programmers. It is intended for use prior to the availability of the Version 4 compiler, and will be supplemented with reference documentation when the Version 4 Compiler becomes available.
Guide, 92 pages

SC28-6432 *M
IBM SYSTEM/360 OPERATING SYSTEM FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3, INSTALLATION REFERENCE MANUAL, PROGRAM NUMBER 5734-CB1

This publication contains system related information needed to make the most effective use of the Program Product IBM Full American National Standard COBOL Compiler and Library Version 3, under the control of the IBM System/360 Operating System.

This publication consists of three sections. The first two sections, "Program Product Installation" and "Storage Estimates", are directed to the system programmer or planner who is responsible for operating system generation and maintenance. The third section, "Operating Instructions," is directed to the console operator. Each section is designed to be used with an existing IBM System/360 Operating System publication.

"Program Product Installation" describes the system requirements for the compiler and the procedure needed to add the compiler to an operating system. This section supplements IBM System/360 Operating System: System Generation, Order No. GC28-6554. A module summary is also included.

"Storage Estimates" defines the storage required by the compiler. This section supplements IBM System/360 Operating System: Storage Estimates, Order No. GC28-6551.

"Operating Instructions" describes certain messages the console operator may be required to answer and presents information on Multiple Console Support (MCS). This section supplements IBM System/360 Operating System: Operator's Reference, Order No. GC28-6691.
Manual, 8-1/2 x 11, 38 pages

SC28-6433
IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION COBOL PROMPTER TERMINAL USER'S GUIDE AND REFERENCE INFORMATION PROGRAM NUMBER 5734-CP1

This publication describes how to use the COBOL Prompter to invoke the Program Product IBM Full American National Standard COBOL Compiler and Library, Version 3, under Operating System/360 TSO.

This publication is directed to the COBOL programmer, who is working at a time sharing terminal and is familiar with the Time Sharing Option.

Section 1 contains procedures for using the prompter and debugging at the terminal as well as a summary of data set naming conventions and sample terminal sessions. Messages to the terminal user are described. This section supplements IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION TERMINAL USER'S GUIDE, Order No. GC28-6763.

"Section 2: Reference Information" describes the COBOL command that invokes the prompter. This section is designed to be inserted in IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION COMMAND LANGUAGE REFERENCE, Order No. GC28-6732.

SC28-6434 *M
IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) COBOL PROMPTER INSTALLATION REFERENCE MATERIAL 5734-CP1

This publication contains system related information needed to make the most effective use of the COBOL prompter to invoke the Program Product IBM Full American National Standard COBOL Compiler, Version 3. The prompter operates under the control of the Time Sharing Option (TSO) of the IBM System/360 Operating System.

The information in this manual is directed to the system programmer or planner responsible for operating system generation and maintenance. Each of the three sections is designed to be used with an existing IBM System/360 Operating System publication.

"Program Product Installation" describes the system requirements for the prompter and the procedure needed to add the prompter to an operating system. This section supplements IBM System/360 Operating System: System Generation, Order No. GC28-6554. A module summary is included.

"Storage Estimates" defines the storage required by the prompter. This section supplements IBM System/360 Operating System: Storage Estimates, Order No. GC28-6551.

"System Programming Techniques" describes a LOGON procedure that can be used to expedite compilation of a COBOL program under TSO. Instructions on how to help the terminal user respond to prompter messages are also given. This section supplements IBM System/360 Operating System: System Programmer's Guide, Order No. GC28-6691.
Manual, 38 pages

GC28-6435
IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) COBOL PROMPTER PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5734-CP1

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specification Sheet, 2 pages

GC28-6436
IBM SYSTEM/360 OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3, PROGRAM PRODUCT SPECIFICATIONS (PPS) - PROGRAM NUMBER 5734-CB1
This flyer describes 360 ANS COBOL Version 3 specifications for OS.
Flyer, 4 pages

SC28-6437
IBM SYSTEM/360 OPERATING SYSTEM FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3, PROGRAMMER'S GUIDE - PROGRAM NUMBER 5734-CB1
This programmer's guide describes the programming and use of ANS COBOL Version 3 under OS/360.
Manual, 340 pages

SC28-6438
IBM SYSTEM/360 DISK OPERATING SYSTEM SUBSET AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY INSTALLATION REFERENCE MATERIAL - PROGRAM NUMBER 5736-CB1
This publication contains system related information needed to install the IBM Subset American National Standard COBOL Compiler and Library, a program product that operates under control of the IBM System/360 Disk Operating System.
This manual consists of two sections. The first section, "Program Product Installation," is directed to the system programmer or planner who is responsible for operating system generation and maintenance. The second section, "Operator Messages," is directed to the console operator. Each section is designed to supplement an existing IBM System/360 Disk Operating System publication.
"Program Product Installation" describes the system requirements, work file requirements, IOCS module requirements, and storage requirements for the Subset COBOL Compiler and Library. The installation procedure needed to add the compiler and library to an existing operating system is also described. This section supplements DOS System Generation and Maintenance, Order No. GC24-5033.
"Operator Messages" describes the messages to the console that the operator may be required to answer. This section supplements DOS Messages and Communications, Order No. GC24-5074.
Program Product Manual, 40 pages

SC28-6439
IBM SYSTEM/360 DISK OPERATING SYSTEM SUBSET AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY PROGRAMMER'S GUIDE - PROGRAM NUMBER 5736-CP1
This publication describes how to compile an American National Standard COBOL X3.23-1968 Program using the IBM S/360 Disk Operating System Subset American National Standard COBOL compiler. It also describes how to link edit the resulting object module, and execute the program. Included is a description of the output from each of these three steps: compile, link edit, and execute. In addition, this publication explains features of the compiler and

available options of the operating system.
Program Product Manual, 230 pages

SC28-6440

IBM SYSTEM/360 OPERATING SYSTEM FULL AMERICAN NATIONAL STANDARD COBOL, VERSION 3, MESSAGES PROGRAM NUMBER 5734-CB1

This publication contains messages issued by the Program Product IBM System/360 Operating System: Full American National Standard COBOL Compiler and Library, Version 3. Additional object-time messages are also included. For each message, either a Programmer or an Operator Response suggest appropriate problem determination action. In addition, there is a brief discussion of multiple console support (MCS) considerations.

Directed at either the COBOL programmer or the operator, this publication presents the messages in alphanumeric order within each of the two main sections, "Compile-Time Messages" and "Object-Time Messages".

A co-requisite to this publication, for system messages, is IBM SYSTEM/360 OPERATING SYSTEM: MESSAGES AND CODES (GC28-6631).
Manual, 108 pages

SC28-6441

IBM SYSTEM/360 DISK OPERATING SYSTEM: FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3 SYSTEM REFERENCE LIBRARY PROGRAMMER'S GUIDE PROGRAM NUMBERS 5736-CB2, 5736-LM2

This publication describes how to compile an American National Standard COBOL X3.23-1968 program using the Program Product IBM System/360 Disk Operating System: Full American National Standard COBOL Compiler, Version 3. It also describes how to link edit the resulting object module, and execute the program. Included is a description of the output from each of these three steps: compile, link edit, and execute. In addition, this publication explains features of the Version 3 Compiler and Library, and available options of the operating system.
Manual, 272 pages

SC28-6442

IBM DOS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3: INSTALLATION REFERENCE MANUAL, PROG. NOS. 5736-CB2 AND 5736-LM2

This publication contains system related information needed to make most effective use of the Program Products IBM Full American National Standard COBOL Compiler, Version 3, and its associated COBOL Object time Subroutine Library under the control of the IBM System/360 Disk Operating System.

This manual consists of two sections. The first section "Program Product Installation," is directed to the system programmer or planner who is responsible for operating system generation and maintenance. The second section, "Operator Messages" is directed to the console operator. Each section is designed to supplement an existing IBM System/360 Disk Operating System publication.

"Program Product Installation" describes the system requirements, work file requirements, IOCS module requirements, and storage requirements for the Version 3 compiler and library. The installation procedure needed to add the compiler and library to an existing operating system is also described. This section supplements DOS System Generation, Order No. GC24-5033.

"Operator Messages" describes the messages to the console that the operator may be required to answer. This section supplements DOS Messages, Order No. GC24-5074.
tu
Manual, 56 pages

GC28-6443

IBM SYSTEM/360 DISK OPERATING SYSTEM FULL AMERICAN NATIONAL STANDARD COBOL COMPILER VERSION 3 SYSTEM REFERENCE LIBRARY PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5736-CB2

These program product specifications refer to IBM System/360 Disk Operating System Full American National Standard COBOL Compiler Version 3 (5736-CB2).
Specifications, 2 pages

GC28-6444

IBM SYSTEM/360 DISK OPERATING SYSTEM: FULL AMERICAN NATIONAL STANDARD COBOL OBJECT TIME SUBROUTINE LIBRARY PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-LM2

Specification sheet for program named in title.

Specification Sheet, 1 page

SC28-6445

IBM SYSTEM/360 DISK OPERATING SYSTEM: FULL AMERICAN NATIONAL STANDARD COBOL VERSION 3 MESSAGES - SYSTEM REFERENCE LIBRARY MANUAL - PROGRAM NUMBERS 5736-CB2, 5736-LM2

This publication contains messages issued by the Program Products IBM System/360 Disk Operating System Full American National Standard COBOL Compiler Version 3 and its associated Object-Time Subroutine Library.

Directed at either the COBOL programmer or the operator, this publication presents messages within each of two main

sections, "Compile-Time Messages" and "Object-Time Messages." The description of each message includes the identifying alphanumeric code, the message text, an explanation of the error condition, the resulting compiler action, and the appropriate response to correct the error.

The corequisites to this publication are IBM System/360 Disk Operating System: Full American National Standard COBOL, Order No. GC28-6394, and IBM System/360 Disk Operating System: Full American National Standard COBOL Compiler and Library, Version 3, Programmer's Guide, Order No. SC28-6441.
System Reference Library, 156 pages

SC28-6446

IBM SYSTEM/360 DISK OPERATING SYSTEM SUBSET AMERICAN NATIONAL STANDARD COBOL MESSAGES - PROGRAM NUMBER 5736-CB1

This publication provides the information necessary to interpret and utilize the diagnostic messages issued by the Program Product IBM System/360 Disk Operating System: Subset American National Standard COBOL Compiler and Library.

The intended audience is the applications programmer debugging a Subset American National Standard COBOL program and the console operator running the program.

The book is divided into two sections, "Compile-Time Messages" and "Object-Time Messages." The description of each message includes the identifying alphanumeric code, the message text, an explanation of the error condition, the resulting compiler action, and the appropriate response to correct the error.

The co-requisites to this publication are IBM System/360 Disk Operating System: Subset American National Standard COBOL, Order No. GC28-6403, and IBM System/360 Disk Operating System: Subset American National Standard COBOL Compiler and Library Programmer's Guide, Order No. SC28-6439.
Program Product Manual, 130 pages

GC28-6450

IBM SYSTEM/360 DISK OPERATING SYSTEM SUBSET AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY (PROGRAM PRODUCT SPECIFICATIONS) PROGRAM NUMBER 5736-CB1

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Program Product Specifications, 4 pages

GC28-6454

IBM OS COBOL INTERACTIVE DEBUG AND (TSO) COBOL PROMPTER GENERAL INFORMATION MANUAL - PROGRAM PRODUCTS 5734-CB4, 5734-CP1

This publication is directed to data processing system planners and analysts. It is intended as an aid in evaluation in planning for the use of IBM OS COBOL Interactive Debug and/or the IBM OS (TSO) COBOL Prompter.

These two program products operate under the Time Sharing Option (TSO) of the IBM Operating System. Detailed planning information for TSO can be found in the publication IBM System/360 Operating System: Time Sharing Guide, Order No. GC28-6698.

Both program products are designed for use with the program products IBM OS Full American National Standard COBOL Compiler, Version 4, and the IBM OS Full American National Standard COBOL Object-time Subroutine Library, Version 4. The TSO COBOL Prompter can also be used with the program product IBM OS Full American National Standard COBOL Compiler and Library, Version 3.

The COBOL Interactive Debug program and the COBOL Prompter can be used under any release of the Operating System that supports TSO.
Manual, 24 pages

SC28-6456

IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY VERSION 4, PROGRAMMERS GUIDE - PROGRAM PRODUCTS 5734-CB2 AND 5734-LM2

This publication describes how to compile an American National Standard COBOL X3.23-1968 program using Version 4 of the IBM Operating System Full American National Standard COBOL compiler. It also discusses how to link edit and execute or load the program under control of the IBM Operating System. There is a description of the output of each of these steps, i.e., compile, link edit, load, and execute. In addition, there is an explanation of the features of the compiler and available options of the operating system.
Manual, 460 pages

SC28-6457

IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 4, MESSAGES MANUAL - PROGRAM NUMBERS 5734-CB2, AND 5734-LM2

This publication contains messages issued by the Program Product IBM OS Full American National Standard COBOL Compiler and Library, Version 4. Additional object-time messages are also included. For each message, either a Programmer or an Operator Response suggests appropriate problem determination action. In addition, there is a brief discussion of multiple console support (MCS) considerations.
Directed at either the COBOL programmer or the operator,

this publication presents the messages in alphanumeric order within each of the three main sections, "Compile-Time Messages," "Queue Analyzer Messages," and "Object-Time Messages."

A corequisite to this publication, for system messages, is the publication IBM OS Messages and Codes, Order Number GC28-6631.
Manual, 186 pages

SC28-6458

IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY VERSION 4 MESSAGE MANUAL - PROGRAM PRODUCTS 5734-CB2 AND 5734-LM2

This publication contains messages issued by the Program Product IBM OS Full American National Standard COBOL Compiler and Library, Version 4. Additional object-time messages are also included. For each message, either a Programmer or an Operator Response suggests appropriate problem determination action. In addition, there is a brief discussion of multiple console support (MCS) considerations.

Directed at either the COBOL programmer or the operator, this publication presents the messages in alphanumeric order within each of the three main sections, "Compile-Time Messages," "Queue Analyzer Messages," and "Object-Time Messages."

A corequisite to this publication, for system messages, is the publication IBM OS Messages and Codes, Order No. GC28-6631.
Manual, 182 pages

GC28-6463

IBM OS COBOL INTERACTIVE DEBUG PROGRAM PRODUCT DESIGN OBJECTIVE - PROGRAM NUMBER 5734-CB4

The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.
Flyer, 2 pages

GC28-6464

IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 4 - PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBERS 5734-CB2, 5734-LM2

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Program Product Specifications, 4 pages

SC28-6465

IBM OS COBOL INTERACTIVE DEBUG TERMINAL USER'S GUIDE AND REFERENCE - PROGRAM NUMBER 5734-CB4

No abstract available.

Manual, 166 pages

SC28-6468

IBM OS (TSO) COBOL INTERACTIVE DEBUG INSTALLATION REFERENCE MATERIAL - PROGRAM NUMBER 5734-CB4

This publication consists of four main sections: "Storage Requirement Estimates," "Installation Procedure," "Systems Programmer's Guide," and "Problem Determination Aids." Each contains system-related information necessary to install and use the IBM OS COBOL Interactive Debug Program Product under the control of the Time Sharing Option (TSO) of the IBM Operating System.

The following system publications should be used in connection with this manual:

IBM System/360 Operating System
Storage Estimates, Order No. GC28-6551
System Generation, Order No. GC28-6554
System Programmer's Guide, Order No. GC28-6550

The first three main sections of this publication can be inserted in the corresponding system publication listed above to which it refers, if such an arrangement simplifies the use of documentation.
Manual, 36 pages

SC28-6469

IBM VM/370 OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 4 CMS - USER'S GUIDE PROGRAM NUMBERS 5734-CB2 AND 5734-LM2

This publication is intended for the COBOL programmer who is using or is planning to use the program product IBM OS Full American National Standard COBOL Compiler and Library, Version 4, under the control of the Conversational Monitor System (CMS) in the virtual machine environment of Virtual Machine Facility/370 (VM/370).

It provides the COBOL programmers with a fundamental understanding of how he can properly enter the COBOL command, which is one of the CMS commands, to invoke the COBOL compiler under the CMS component of VM/370.
Manual, 68 pages

GC28-6473

IBM DOS/VS COBOL COMPILER AND LIBRARY GENERAL INFORMATION PROGRAM NUMBERS 5746-CB1 AND 5746-LM4

This publication contains information of interest to data system planners and analysts about the IBM DOS/VS COBOL Compiler and Library Program Product, an implementation that allows programs written in American National Standard COBOL

to be processed in a DOS virtual environment. DOS/VS COBOL is compatible with the highest level of American National Standard COBOL, X3.23-1968, and with international standard ISO/R 1989-1972 Programming Language COBOL.

Included are brief description of the DOS/VS COBOL Compiler and Library, as well as information on the implementation level, on compatibility, and on system requirements.

This publication is intended as an aid to evaluation and planning; it is not intended to be used as a specification manual. Proposed specifications for the IBM DOS/VS COBOL Program Products are given in the publication: Program Product Design Objectives: IBM DOS/VS COBOL Compiler and Library, Order No. GC28-6474.
Manual, 44 pages

GC28-6474

DOS/VS COBOL COMPILER AND LIBRARY DESIGN OBJECTIVES PROGRAM PRODUCT 5746-CB1 (COMPILER AND LIBRARY) AND 5746-LM4 (LIBRARY ONLY)

The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.
Flyer, 2 pages

GC28-6480

IBM DOS SUBSET AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY DESIGN OBJECTIVES PROG. PROD. 5736-CB1

The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.
Flyer, 4 pages

GC28-6503

BFS (CARD) BASIC ASSEMBLER & BASIC UTILITY PROGRAMS: SPECIFICATIONS & OPERATING GUIDE, PROG. NO. 360P-AS-021 AND 360P-UT-017 THROUGH 020

This reference publication is arranged in six major sections to describe these programs:

NAME	PROGRAM NUMBER
Basic Assembler	360P-AS-021
Absolute Loader	360P-UT-017
Input/Output Support Package	360P-UT-018
Dump Program	360P-UT-019
Relocating Loader	360P-UT-020

The first section provides a description of the Basic Assembler language and the Basic Assembler program. Features concerned with the planning and writing of source programs are emphasized. The functions and possible modifications of each of the basic utility programs are described in the next major section. Also included is a discussion of program segment relocation and linkage. The input to and output from the Basic Assembler program and procedures for running assembly jobs are described in the third major section. The operating procedures for the utility programs are presented in the fourth major section. Program waits and operator messages appear in the fifth major section, followed by a sample problem in the last major section.

The reader should be familiar with the material in the IBM System/360 Principles of Operation (GA22-6821)

Some functions described in this manual require the use of an absolute address. Users of these programs can obtain the appropriate absolute address by referring to the writeup, supplied with the Program Material List, entitled "Attachment 1 - Special Information".
Manual, 164 pages

GC28-6514

IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER LANGUAGE PROGRAM NUMBERS 360S-AS-037, 360S-AS-036

This publication contains specifications for the IBM System/360 Operating System Assembler Language (levels E and F).

The assembler language is a symbolic programming language used to write programs for the IBM System/360. The language provides a convenient means for representing the machine instructions and related data necessary to program the IBM System/360. The IBM System/360 Operating System Assembler Program processes the language and provides auxiliary functions useful in the preparation and documentation of a program, and includes facilities for processing the assembler macro language.

Part I of this publication describes the assembler language.

Part II of this publication describes an extension of the assembler language -- the macro language -- used to define macro instructions.

Systems Reference Library Manual 160 pages

GC28-6515

SYSTEM/360 AND SYSTEM/370 FORTRAN IV LANGUAGE, PROG. NO. 360N-IM-480

This publication describes and illustrates the use of the Fortran IV language for the IBM System/360 Operating System, the IBM System/360 Disk Operating System.
Systems Reference Library Manual, 128 pages

GC28-6516

IBM SYSTEM/360 OPERATING SYSTEM COBOL LANGUAGE
PROGRAM NUMBER (COBOL E) 360S-CO-503
(COBOL F) 360S-CB-524

COBOL (Common Business Oriented Language) is a programming language, similar to English, that is used for commercial data processing. It was developed by the Conference of Data Systems Languages (CODASYL).

This publication provides the programmer with rules for writing programs that are to be compiled by the COBOL E and COBOL F compilers under System/360 Operating System. Any violation of the rules for System/360 Operating System COBOL as defined in this publication is considered an error. The features implemented by the COBOL F compiler and not by COBOL E, and the IBM extensions to COBOL, are listed in an appendix.

Systems Reference Library Manual, 161 pages

System/360 Operating System is required to use this reference guide most effectively.
 Manual, 252 pages

GC28-6543

IBM SYSTEM/360 OPERATING SYSTEM, SORT/MERGE
PROGRAM NUMBER 360S-SM-023

This publication describes the use of the IBM System/360 Operating System Sort/Merge Program. It discusses:

- Program capabilities.
- Sorting and merging techniques.
- Sort/merge program control statements.
- Intermediate storage requirements.
- Job control language requirements.
- Program initiation.
- Program modification.
- Efficient program use.
- Standard operating system collating sequence.
- Sort/merge program messages.

The program has generalized sorting and merging capabilities that can be tailored to the needs of a particular installation and application.
 Systems Reference Library Manual, 134 pages

GC28-6529

IBM SYSTEM/360 CONVERSION AIDS: THE 1620 SIMULATOR FOR
IBM SYSTEM/360, PROGRAM NUMBER 360C-SI-752

This document provides information on the IBM System/360 Simulator for the IBM 1620 Model 1 and Model 2, and is directed to the user who is replacing his IBM 1620 Model 1 or Model 2 Data Processing System with an IBM System/360 Model 30, 40, 50, 65, or 75. Simulation is a technique which uses System/360 instruction sequences to perform the functions of 1620 Model 1 or Model 2 instructions, thus permitting the user to execute object programs written for the 1620 Model 1 or Model 2.

Systems Reference Library Manual, 68 pages

GC28-6550

OS DATA MANAGEMENT FOR SYSTEM PROGRAMMERS - PROGRAM NUMBER
360S-CI-555

This publication consists of self-contained chapters, each of which provides information on how to modify, extend, or implement the data management capabilities of the IBM System/360 Operating System control program. It is designed primarily for system programmers responsible for maintaining, updating, and extending the operating system features. Topics and associated prerequisite publications are:

- o Catalog and VTOC maintenance
- o IECDSECT, IERJFCBN, and IEFUCBOB macro instructions (IBM System/360 Operating System: Assembler Language, GC28-6514; and OS Data Management Services Guide, GC26-3746)
- o EXCP macro instructions (IBM System/360 Operating System: Supervisor Services and Macro Instructions, GC28-6646; IBM System/360 Operating System: Assembler Language, GC28-6514; OS Data Management Macro Instruction, GC26-3794; and IBM System/360 Operating System: System Control Blocks, GC28-6628)
- o XDAP macro instruction (IBM System/360 Operating System: Supervisor Services and Macro Instructions, GC28-6646)
- o Implementing data set protection
- o Adding a UCS image to the system library

Manual

GC28-6530

IBM SYSTEM/360 CONVERSION AIDS: THE 7070/7074 SIMULATOR
FOR SYSTEM/360 - SYSTEMS REFERENCE LIBRARY
PROGRAM NUMBER 360C-SI-753

This document provides information on the IBM System/360 Simulator for the IBM 7070/7074, and is directed to the user who is replacing his IBM System/360 Model 40, 50, 65, or 75. Simulation is a technique which uses System/360 instruction sequences to perform the functions of 7070/7074 instructions, thus permitting the user to execute object programs written for the 7070/7074.

Systems Reference Library Manual, 60 pages

GC28-6531

IBM SYSTEM/360 CONVERSION AIDS: THE 7080 SIMULATOR FOR IBM
SYSTEM/360, PROG. NO. 360C-SI-751

This document provides information on the IBM System/360 Simulator for the IBM 7080, and is directed to the user who is replacing his IBM 7080 Data Processing System with any model IBM System/360 with at least 131,072 bytes of main storage. Simulation is a technique which uses System/360 instruction sequences to perform the functions of 7080 instructions, thus for the 7080.

Manual, 68 pages

GC28-6551

IBM SYSTEM/360 OPERATING SYSTEM: STORAGE ESTIMATES

This publication is intended for three types of users: system planners, system programmers, and problem programmers. It contains instructions, formulas, and tables that can be used to estimate the main and auxiliary storage requirements for any machine configuration, control program, and control program option of the IBM System/360 Operating System. Main storage requirements are divided into two categories: Fixed main storage contains the resident portions of the control program and the optional services and load modules that can be made resident to improve the performance of the operating system. Dynamic main storage is the area where program processing is done. Each type of user can use this publication differently. System planners can use this publication to plan the storage requirements of a new system: including the effects of options and different machine configurations on the total storage requirement.

System programmers can use this publication to determine the amount of main and auxiliary storage that has to be allocated during system generation and to determine the amount of storage available to the problem programmer.

Problem programmers can use the dynamic storage sections to estimate the requirements of their jobs.

Information concerning Model 195 support is for planning purposes only.
 Systems Reference Library Manual, 272 pages

GC28-6532

IBM SYSTEM/360 CONVERSION AIDS: THE 7090/7094 SIMULATOR FOR
IBM SYSTEM/360 PROGRAM NUMBER 360C-SI-750

This document provides information on the IBM System/360 Simulator for the IBM 709/7090/7094I/7094II and is directed to the user who is replacing his IBM 700/7090/7094I/7094II Data Processing System with an IBM System/360 Model 40, 50, 65, or 75. Simulation is a technique which uses System/360 instruction sequences to perform the functions of 709/7090/7094I/7094II instructions, thus permitting the user to execute object programs written for the 709/7090/7094I/7094II.

Systems Reference Library Manual, 66 pages

GC28-6534

IBM SYSTEM/360 OPERATING SYSTEM INTRODUCTION

This publication describes the general organization, function, and application of IBM System/360 Operating System.

The operating system is designed to extend the performance and application of Computing System/360 and to assist the manager, programmer, and operator of the system. The operating system consists of a comprehensive set of language translators and service programs operating under the supervisory control and coordination of an integrated set of control routines. It is designed for use with Models 30, 40, 50, 65, and 75 of Computing System/360.

Systems Reference Library Manual, 24 pages

GC28-6554

OS SYSTEM GENERATION GENERATION - SYSTEMS REFERENCE LIBRARY

This publication provides the information needed to generate the Operating System adapted to the machine configuration and data processing requirements of an installation. It contains the information to prepare for a system generation, execute a system generation and test the new system.
 Manual, 540 pages

GC28-6538

IBM OS LINKAGE EDITOR AND LOADER MANUAL - PROGRAM NUMBERS
360S-ED-510, 360S-ED-521, 360S-LD-547

This publication provides the information necessary to use the linkage editor or loader program of the IBM System/360 Operating System to prepare the output of a language translator for execution. The intended audience is a customer applications programmer coding in a higher-level language or a system programmer responsible for installing and maintaining the operating system. An introductory knowledge of the concepts and facilities of the IBM

GC28-6559

IBM SYSTEM/360 CONVERSION AIDS: COBOL LANGUAGE
CONVERSION PROGRAM FOR THE IBM 1401,
PROGRAM NUMBER 1401-CB-701

This publication contains information about the IBM COBOL Language Conversion Program (COBOL LCP). The COBOL LCP facilitates transition to IBM System/360 by converting current COBOL source programs into source programs for a System/360 COBOL compiler (Design Level E or Design Level F). This publication is intended to assist users of current COBOL in the use of the COBOL Language Conversion Program. Systems Reference Library Manual, 68 pages

GC28-6560

IBM SYSTEM/360 TRANSITION AIDS: FORTRAN II LANGUAGE
CONVERSION PROGRAM (1401-FO-702) FOR THE IBM 1401

This publication contains information about the IBM FORTRAN II Language Conversion Program (FORTRAN LCP). The FORTRAN LCP facilitates transition to IBM System/360 by detecting statements in FORTRAN II source programs that are incompatible with System/360 FORTRAN IV, by converting these statements to the proper System/360 format when possible, and by providing message codes for statements that cannot be converted. This publication is intended to assist users of current FORTRAN in the use of the FORTRAN Language Conversion Program. Systems Reference Library Manual, 92 pages

GC28-6561

IBM SYSTEM/360 CONVERSION AIDS: THE 1401/1460 EMULATOR
PROGRAM FOR IBM SYSTEM/360 MODEL 40,
PROGRAM NUMBER 360C-EU-074

This publication contains the information required to use the IBM 1401/1460 Emulator for IBM System/360 Model 40. The Emulator comprises the IBM 1401/1460 Emulator Program (360C-EU-074) and IBM 1401/1460 Compatibility Feature #4457. General information concerning machine requirements, data formats, and control cards is included, as are detailed explanations of operating procedures, user modification of the Emulator Program, and special instructions added by the Compatibility Feature.

The Emulator allows programs written for IBM 1401/1460 card/tape/disk systems to be executed on System/360 Model 40, with little or no reprogramming. Emulation provides substantial improvement over the speeds possible with simulation.

Systems Reference Library Manual, 46 pages

GC28-6563

IBM SYSTEM/360 CONVERSION AIDS: THE 1410/7010
EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 40,
PROGRAM NUMBER 360C-EU-728

This publication provides information for the user who is planning to supplement or replace his IBM 1410 or 7010 card/tape/disk system with an IBM System/360 Model 40. Emulation is a technique which utilizes both equipment capabilities (Compatibility Feature #4478) and programming (Emulator Program 360C-EU-728) to execute object programs of other data processing systems. The 1410/7010 Emulator allows the user to run 1410/7010 programs on the System/360 Model 40 with little or no reprogramming. This technique provides substantial improvement over the speeds achievable with simulators.

Included in this document are the characteristics, functions, requirements, limitations, and operating procedures of the Emulator.

This publication includes preliminary planning information concerning support of the IBM 1410/7010-1301 Disk Unit, Models 1 and 2, and the 2302 Disk Unit, Models 1 and 2, on the 2314 Direct Access Storage Facility. Systems Reference Library Manual, 56 pages

GC28-6565

IBM SYSTEM/360 CONVERSION AIDS: THE 709/7090/7094/7094 II
EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 65,
PROGRAM NUMBER 360C-EU-729

This publication describes the characteristics and use of the IBM 7090 Emulator Program, a component of the IBM 7090 Emulator. The Emulator consists of this program, and special machine additions and modifications called the IBM 7090 Compatibility Feature (#7119). The combination of program and machine feature enables the user to execute, on his System/360 Model 65, programs written for the IBM 709, 7090, 7094, and 7094 II Data Processing Systems. Systems Reference Library Manual, 72 pages

GC28-6568

IBM SYSTEM/360 CONVERSION AIDS: THE 1410/7010 EMULATOR
PROGRAM FOR IBM SYSTEM/360 MODEL 50
PROGRAM NUMBER 360C-EU-726

This publication provides information for the user who is planning to supplement or replace his IBM 1410 or 7010 card/tape/disk system with an IBM System/360, Model 50. Emulation is a technique that utilizes both machine adaptations and programming to execute object programs written for other data processing systems. The 1410/7010 Emulator (Compatibility Feature #4478 and Emulator Program No. 360C-EU-726) allows the user to run 1410/7010 programs on the System/360, Model 50, with little or no

reprogramming. This technique provides substantial improvement over the speeds that can be achieved with simulators.

Included in this document are the characteristics, functions, requirements, limitations, and operating procedures of the Emulator.

This publication contains preliminary planning information concerning support of the 1410/7010-1301 Disk Storage Unit, Models 1 and 2, and the 2302 Disk Storage Unit, Models 1 and 2, on the IBM 2314 Direct Access Storage Facility, Model 1. Systems Reference Library Manual, 48 pages

GC28-6570

IBM SYSTEM/360 TRANSITION AIDS COBOL LANGUAGE DIFFERENCES

This publication summarizes the System/360 and Current Systems specifications for major IBM COBOL language elements requiring evaluation, and possible conversion, during the transition to IBM System/360 COBOL. System/360 COBOL differences from Current Systems COBOL are also summarized. Where pertinent, the distinction is made between Level E and Level F COBOL for System/360. Systems Reference Library Manual, 84 pages

GC28-6583

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT FORTRAN IV (TAPE)
PROGRAMMER'S GUIDE PROGRAM NUMBER 360P-FO-031

This publication is a guide to the programs comprising the Basic Programming Support Tape FORTRAN IV System. Included are descriptions of:

- Control Statements
- System Operating Considerations
- System Output
- Miscellaneous FORTRAN Programming Considerations
- Considerations for Coding Assembler Language Subprograms
- FORTRAN Library Subprograms
- Initial System Setup
- Sample Program

Systems Reference Library Manual, 84 pages

GC28-6585

IBM SYSTEM/360 CONVERSION AIDS: THE 7040/7044
EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 65
PROGRAM NUMBER 360C-EU-733

This publication describes the characteristics and use of the IBM 7040 Emulator Program, a component of the IBM 7040 Emulator. The Emulator consists of this program, and special machine additions and modifications called the IBM 7040 Compatibility Feature (#7119). The combination of program and machine feature enables the user to execute, on his System/360 Model 65, programs written for the IBM 7040 and 7044 Data Processing Systems.

Systems Reference Library Manual, 76 pages

GC28-6586

IBM SYSTEM/360 OPERATING SYSTEM: UTILITIES
SYSTEMS REFERENCE LIBRARY - PROGRAM NUMBERS 360S-UT-506, 507

This publication discusses the capabilities of the IBM System/360 Operating System utility programs and the control statements used with each program. These programs are used by programmers responsible for organizing and maintaining operating system data.

Three types of utility programs are discussed: SYSTEM UTILITIES and DATA SET UTILITIES, which are used directly with the System/360 Operating System; and INDEPENDENT UTILITIES, which operate outside the operating system. System utilities deal with operating system control data.

Data set utilities manipulate data sets at the record level and above. Independent utilities initialize, dump, and restore direct access volumes.

Information concerning Model 195 support is for planning purposes only.

Systems Reference Library Manual, 596 pages

GC28-6590

IBM SYSTEM/360 OPERATING SYSTEM, PL/I SUBROUTINE LIBRARY,
COMPUTATIONAL SUBROUTINES, PROGRAM NUMBER 360S-LM-512

This publication gives details of the computational subroutines available in the PL/I Library. These subroutines are used by the PL/I (F) compiler in the implementation of PL/I built-in functions and of the operators used in the evaluation of PL/I expressions. Not all PL/I built-in functions and expression operators are supported by the PL/I Library; the compiler generates in-line code for a small number of them. The details provided include timing figures, summaries of the mathematical methods used, and (where appropriate) figures for range and accuracy. This information is intended to be of interest chiefly to those programmers concerned with the performance of computational subprograms.

Systems Reference Library Manual, 84 pages

GC28-6594

IBM SYSTEM/360 OPERATING SYSTEM PL/I (F) PROGRAMMER'S
GUIDE-PROG. NO. 360S-NL-511

This publication is a companion volume to IBM System/360 Operating System: PL/I (F) Language Reference Manual, Form

C28-8201. Together, the two books form a guide to the writing and execution of PL/I programs under the control of an IBM Operating system that includes the PL/I (F) Compiler. The Programmer's Guide is concerned with the relationship between a PL/I program and the operating system. It explains how to compile, link edit, and execute a PL/I program, and introduces job control language, the linkage editor, and other essential features of the operating system.
Manual

GC28-6595

IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER (E) PROGRAMMER'S GUIDE - PROGRAM NUMBER 360S-AS-036
This publication is intended for the programmer who is writing programs in the assembler language for processing by the Assembler (E) under IBM System/360 Operating System. It contains information on assembling, linkage editing, and executing programs, program listings, error messages, and certain coding considerations. Previous experience of assembler language programming is a prerequisite for a full understanding of this publication.
Systems Reference Library Manual, 48 pages

GC28-6596

IBM SYSTEM/360 FORTRAN IV LIBRARY SUBPROGRAMS PROG. NOS. 360S-LM-501, 360F-LM-612, 360N-LM-480
This publication describes the library subprograms supplied with Basic Fortran IV(E) and Fortran IV (G,H,DOS, and Model 44) and tells how to use the subprograms in either a Fortran or an assembler language program.
Manual, 70 pages

GC28-6603

IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (E) PROGRAMMER'S GUIDE PROGRAM NUMBER 360S-FO-092
This publication describes how to compile, link, edit, and execute a Fortran IV (e) program. The text also describes the output of compilation and execution and how to make optimal use of the compiler and a load module.
Systems Reference Library Manual, 124 pages

GC28-6615

IBM SYSTEM/360 OPERATING SYSTEM, ALGOL LANGUAGE
This publication provides the programmer with the information needed to use the IBM System/360 Operating System ALGOL compiler for the solution of scientific and technical problems. ALGOL has been introduced in a number of universities and technical institutes for communication and education purposes. To assist that particular area, the OS/360 ALGOL Compiler is intended to provide a bridge to System/360 for existing ALGOL users. A basic knowledge of the ALGOL language is assumed.
Systems Reference Library Manual, 112 pages

GC28-6628

OS/360 SYSTEM CONTROL BLOCKS PROG. NO. 360S-CI-566
This publication shows the formats of the major control blocks and tables used by more than one component of the System/360 Operating System control program. Descriptions of each field within the control blocks or tables follow each format illustration.
The system control blocks described in this publication will be changed by IBM from time to time to extend the capabilities of the operating system. Programs should refer to these control blocks only through the system macro instruction facilities provided in the operating system. (For example, a field of the Data Control Block should only be referred to by use of the DCBC macro instruction.) Programs that refer to the control blocks by other means do so at the risk of not executing correctly in the future.
Systems Reference Library Manual, 356 pages

GC28-6629

IBM SYSTEM/360 BASIC FORTRAN LANGUAGE (OS, DOS, TOS & BPS)
This publication describes and illustrates the use of the Basic Fortran IV language for the IBM System/360 operating, the IBM System/360 Disk Operating System, the IBM System/360 Tape Operating System, and the IBM System/360 Basic Programming Support Tape System.
Systems Reference Library Manual, 88 pages

GC28-6631

IBM SYSTEM/360 OPERATING SYSTEM: MESSAGES AND CODES SYSTEMS REFERENCE LIBRARY
This publication lists, explains, and suggests appropriate responses to the system completion codes, wait state codes, and messages produced by IBM-supplied components of the IBM System/360 Operating System. The codes and messages are presented in alphabetic order. Information concerning Model 195 support is for planning purposes only. Information concerning Model 195 support is for planning purposes only.
Manual, 650 pages

GC28-6644

IBM SYSTEM/360 OPERATING SYSTEM MASTER INDEX
This publication consolidates the indexes of publications in the IBM Systems Reference Library for the System/360 Operating System. It also provides a reading plan for these publications.
The master index lists topics alphabetically, and refers to publications where these topics are discussed.
Systems Reference Library Manual, 352 pages

GC28-6646

OS/360 SYSTEM SUPERVISOR SERVICES AND MACRO INSTRUCTIONS SYSTEMS REFERENCE LIBRARY MANUAL
The title of this manual was formerly IBM System/360 Operating Supervisor Services. The descriptions of the supervisor macro instructions formerly found in IBM System/360 Operating System Supervisor and Data Management Macro Instructions, GC28-6647 have been added.
This manual describes how to use the services of the supervisor, the macro instructions used to request these services, and the linkage conventions used by the control program to provide these services. Included in the services of the supervisor are program management, task creation and management, and main-storage management.
Intended mainly for the programmer coding in assembler language, this book is a guide to using the macro instructions described. This book does not discuss macro instructions used for graphics, teleprocessing, optical readers, optical reader-sorters, or magnetic character readers. These macro instructions are discussed in separate publications that are listed in the IBM System/360 Bibliography, GA22-6822.
Manual, 126 pages

GC28-6648

IBM SYSTEM/360 OPERATING SYSTEM TESTRAN
TESTRAN is a facility for testing program written in the assembler language for execution under the System/360 Operating System. It is intended for use by the individual programmer in testing his own programs.
This publication explains how to use TESTRAN for typical testing purposes, how to write essential job control statements, and how to interpret printed test results. It formally describes TESTRAN statements, cataloged procedures supplied by IBM, and TESTRAN diagnostic messages.
The information in this publication applies to systems that include the primary control program (PCP) and to systems that provide multiprogramming with a fixed number of tasks (MFT or Option 2) or multiprogramming with a variable number of tasks (MVT or Option 4).
Systems Reference Library Manual, 96 pages

GC28-6650

IBM SYSTEM/360 OPERATING SYSTEM: ONLINE TEST EXECUTIVE PROGRAM MANUAL OS RELEASE 21 - PROGRAM NUMBER 360S-DN-533
This publication provides customer engineers, other qualified personnel, and operators with the information required to use the Online Test Executive Program (OLTEP).
OLTEP is an optional component of the System/360 Operating System that can be selected at system generation for MFT, and MVT control program. (All statements concerning MVT apply also to Model 65 Multiprocessing.) OLTEP is designed to run online test programs, under the System/360 Operating System, for the testing of I/O equipment.
Prerequisite information is contained in IBM System/360 Operating System: Concepts and Facilities, GC28-6535.
Customer engineers should refer to IBM System/360 OLTS Customer Engineering Memorandum, Service Aid #2 for ordering procedures for online tests and their documentation.
Manual, 108 pages

GC28-6662

IBM SYSTEM/360 OPERATING SYSTEM, SORT/MERGE TIMING ESTIMATES, PROGRAM NUMBER 360S-SM-023
This publication contains total execution times of the Operating System Sort/Merge program for over 30,000 sorting applications. These times are for sorting applications executed on the System/360 Models 30, 40, 50, 65, and 75 with various amounts of main storage assigned to the program. Typical input data set sizes and I/O configurations are shown.
Systems Reference Library Manual, 52 pages

GC28-6670

IBM SYSTEM/360 OPERATING SYSTEM: PROGRAMMER'S GUIDE TO DEBUGGING
This publication describes the major debugging facilities provided with the System/360 Operating System for the assembler language programmer:
Abnormal termination and snapshot dumps.
Indicative dumps.
Core image dumps.
Stand-alone hexadecimal dumps.
The text explains those aspects of system control pertinent to debugging, tells what information each debugging facility offers, and outlines procedures for invoking and interpreting dumps issued at the three operating system levels: PCP, MFT, and MVT.

GC28-6676

IBM SYSTEM/360 DISK OPERATING SYSTEM TAPE AND DISK SORT/MERGE SRL MANUAL, PROG. NO. 360N-SM-483
This publication describes how to use the IBM System/360 Disk Operating System Tape and Disk Sort/Merge Program. It contains the following specifications:

- Minimum machine environment for sorting or merging records with this program.
- Program capabilities.
- Control statements required to define a specific sort or merge application.
- Facilities provided for inserting user routines in the program.
- Operating Instructions.
- Conversion aids to help the user of other Sort/Merge programs change to Program Number 360N-SM-483.

For a list of associated publications and their abstracts, see the IBM SYSTEM/360 BIBLIOGRAPHY, GA22-6822. Manual, 114 pages

GC28-6679

IBM SYSTEM/360 DISK OPERATING SYSTEM TAPE AND DISK SORT/MERGE TIMING ESTIMATES PROGRAM NUMBER 360N-SM-483
This publication is intended for those who require execution times for the DOS Tape and Disk Sort/Merge program. Times are shown for sorting applications executed on the System/360 Models 30, 40, and 50. The assumptions under which these times were calculated are described. Systems Reference Library Manual, 68 pages

GC28-6680

IBM SYSTEM/360 OPERATING SYSTEM: TAPE LABELS
This publication describes how the IBM System/360 Operating System processes magnetic tape volumes with IBM standard labels, American National Standard Labels, nonstandard labels, or no labels. Included for the guidance of programmers and operations analysts are discussions of:

- o Label formats and contents
- o Tape volume layouts
- o Label processing for input/output, multiple data set, and multiple volume conditions
- o Tape characteristics
- o Nonstandard label processing routines and volume label editor routines
- o Component considerations
- o Using tape volumes created by other systems
- o External labels

Manual, 170 pages

GC28-6687

USER'S GUIDE FOR THE IBM 2947-4 CHECK COLLECTION CONTROLLER SEQUENTIAL ACCESS METHOD PROGRAM SUPPORTING RPQ 888264 PROGRAM NUMBERS 5799-WAF, 5799-WAG
This publication defines and describes the data management macro instructions and services for the IBM 2947 Model 4 Check Collection Controller. The macro instructions are available in the IBM Operating System/360 and Disk Operating System/360. Manual, 56 pages

SC28-6689

USER'S GUIDE FOR THE IBM 2947 MODEL 4 CHECK COLLECTION CONTROLLER ASSEMBLY FACILITIES, PROGRAMMING - PRPQ P88003 PROGRAM NUMBER 5799-AAH
The Assembly Facilities for the IBM 2947 Model 4 enable the user to prepare sort-control-word patterns for use in the IBM 2947 Model 4. He may use all the 2947-4 machine functions without having to convert his sort patterns into machine language. The Assembly Facilities generate actual 2947-4 code, in standard assembler format, for OS/360 or DOS/360.

Neither the 2947-4 machine operations nor examples of them will be explained in this publication. Examples of Assembly operations are given, but they are not meant to be an exhaustive list of the uses of all operands.

Effective use of this publication requires a thorough understanding of IBM 2947 Check Collection Controller, Functional Characteristics (GL22-6979).

The data management macro instructions and services for the IBM 2947-4 are called the Check Collection Controller Sequential Access Method (CSAM). The manual related to this area, for OS, is User's Guide for the IBM 2947-4 Check Collection Controller Sequential Access Method Program Supporting RPQ 888264 (GC28-6687). Manual, 56 pages

GC28-6691

IBM SYSTEM/360 OPERATING SYSTEM OPERATOR'S REFERENCE
This manual tells the computer how to use the IBM System/360 Operating System. It presents general operating procedures for using the various types of operator's console configurations. It describes specific operating techniques for each of the three major system types: systems with the primary control program (PCP); systems that provide

multiprogramming with a fixed number of tasks (MFT); and systems that provide multiprogramming with a variable number of tasks (MVT). These operating techniques include:

- How to start, stop, and restart the operating system.
- How to control input and output.
- How to control jobs.
- How to understand messages.

This book also presents operating techniques that apply to all three major system types, as well as a discussion of the remote job entry (RJE) and conversational remote job entry (CRJE) facility. Many technical terms are defined.

Information concerning Model 195 support is for planning purposes only. Systems Reference Library Manual, 260 pages

GC28-6692

IBM SYSTEM/360 OPERATING SYSTEM: OPERATOR'S PROCEDURES
This book is for the operator of an IBM System/360 Operating System and is to be used with the OPERATOR'S REFERENCE, GC28-6691. This book contains procedures for running the three major system types: Primary Control Program (PCP): Multiprogramming with a Fixed number of tasks (MFT); and multiprogramming with a variable number of Tasks (MVT). It also contains operator procedures that apply to all three systems. Operator control panel procedures on tear out sheets are provided for the Operator's console. Systems Reference Library Manual, 148 pages

SC28-6695

IBM SYSTEM/360 DISK OPERATING SYSTEM: TAPE AND DISK SORT/MERGE PROGRAM, REFERENCE MANUAL, PROG. NO. 5736-SM1
This publication describes how to use the IBM System/360 Disk Operating System Tape and Disk Sort/Merge Program. It contains the following specifications:

- Minimum machine environment for sorting or merging records with this program.
- Program capabilities.
- Control Statements required to define a specific sort or merge application.
- Facilities provided for inserting user routines in the program.
- Operating Instructions.

Systems Reference Library Manual, 111 pages

GC28-6698

IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION PLANNING FOR TSO
This publication describes the concepts, features, and capabilities of TSO, a general purpose time-sharing facility for the MVT configuration of the operating system. It is intended for use by the system manager, system analyst, and system programmer to help them design and implement a TSO system. The publication describes the functions provided to remote terminal users, the languages available to them, an overview of system implementation, system configuration requirements, and IBM Program Products available for TSO users. Readers interested in this manual should first read IBM SYSTEM/360 OPERATING SYSTEM: CONCEPTS AND FACILITIES, GC28-6535. Readers interested in the implementation of TSO should also read IBM SYSTEM/360 OPERATING SYSTEM: MVT CONTROL PROGRAM LOGIC SUMMARY, GY28-6658.

This publication is intended for planning purposes only. Further information will be published when TSO becomes available. Manual, 160 pages

GC28-6704

IBM SYSTEM/360 OPERATING SYSTEM: JOB CONTROL LANGUAGE REFERENCE

The job control language is used with all System/360 Operating System control programs. Every job submitted for execution by the operating system must include job control language statements. These statements contain information required by the operating system to initiate and control the processing of jobs.

This publication describes the facilities provided with the job control language and contains the information necessary to code job control language statements.

This publication is intended for review and reference by programmers who are familiar with the information contained in IBM SYSTEM/360 OPERATING SYSTEM: JOB CONTROL LANGUAGE, USER'S GUIDE, GC28-6703, or who have experience in using the job control language. Systems Reference Library Manual, 327 pages

GC28-6708

OS ADVANCED CHECKPOINT/RESTART

This publication describes the advanced checkpoint/restart facility, which allows automatic and deferred job restart at the beginning of a step or at a checkpoint within a step. Emphasis is on planning for the use of this facility with the PCP, MFT, and MVT control programs of the IBM

System/360 Operating System. (All statements concerning MVT apply also to Model 65 Multiprocessing.)
It is intended for use by programmers and system analysts who are familiar with the information presented in:
OS Job Control Language Reference, GC28-6704
OS Data Management Service Guide, GC26-3746
Manual, 73 pages

GC28-6709

IBM 2969 PROGRAMMABLE TERMINAL INTERCHANGE MODEL 1 CONTROL PROGRAM OPERATOR'S GUIDE SUPPORTING RPQ 888117
This manual is comprised of three self-contained parts:
ONLINE UTILITIES - Defines the utilities that run under the APTIOS Control Program. These utilities allow the user to perform certain functions necessary for real-time operations. **ONLINE TESTS** - Defines the test modules that permit the user to check the teleprocessing network, the 2740 Console, and the 2969-1 Central Processing Element.
OPERATOR MESSAGES - Explains the messages that may be directed to the operator. These messages include error messages, online test output messages, and online utility output messages.
Manual

GC28-6711

IBM 2969 PROGRAMMABLE TERMINAL INTERCHANGE MODEL 1 CONTROL PROGRAM USER'S GUIDE SUPPORTING RPQ 888117
This manual is comprised of three self-contained parts:
SYSTEM INTERFACE - Defines the relationship that exists between the 2969-1 and the main (host) CPU of the telecommunications system.
SYSTEM GENERATION AND INITIAL LOADING - Provides a step-by-step method for generator a control program from IBM supplied program modules and for initially loading this control program (called APTIOS) into the 2969-1. This part also discusses the use of the system generation macro instructions for modifying system parameters.
OFFLINE UTILITY PROGRAMS - Describes the IBM supplied utility programs that are used in system generation, system maintenance, and library maintenance of APTIOS. These programs run under control of OS/360 rather than APTIOS.
Manual, 150 pages

GC28-6712

IBM SYSTEM/360 OPERATING SYSTEM SYSTEM MANAGEMENT FACILITIES REFERENCE MANUAL - PROGRAM NUMBERS 360S-CI-505, 360S-CI-535
This publication provides installation managers, system programmers, and operators with the information required to plan for, install, and use SMF (System Management Facilities). SMF is an optional feature of this IBM System/360 Operating System that can be selected at system generation for the multiprogramming with fixed number of Tasks (MFT) or multiprogramming with a variable number of tasks (MVT) option of the operating system. SMF collects system, job-management, and data-management information and links to user-written routines that can monitor the operation of jobs or job steps. This publication introduces basic SMF concepts; describes SMF record formats, control program exits, and data management requirements; tells how to plan, write, and test user-written exit routines; tells how to incorporate SMF into the operating system; and describes IPL and data management procedures.
Manual, 88 pages

GC28-6716

IBM SYSTEM/360 OPERATING SYSTEMS FEATURE GUIDE
This is a guide to optional features of the IBM System/360 Operating System (MVT, MFT and PCP). This publication stresses improving overall system performance; it endeavors to interrelate such factors as operating system programs, application programs, computer equipment, customer operating procedures, customer personnel, and maintenance.
This publication is intended for people who are responsible for improving system performance, such as data processing managers and system programmer/analysts. Knowledge of the IBM SYSTEM/360 OPERATING SYSTEM: INTRODUCTION, GC28-6534, and CONCEPTS AND FACILITIES, GC28-6535, is assumed.
For each optional feature, the reader is given the purpose of the feature, performance criteria, insights on using the feature, direction toward implementing the feature, and specific references to more detailed data in other IBM and, if applicable, non-IBM publications.
The information contained in this publication concerning the Model 195 is for planning purposes only.
Systems Reference Library Manual, 66 pages

GC28-6719

IBM SYSTEM/360 OPERATING SYSTEM: SERVICE AIDS SYSTEMS REFERENCE LIBRARY
This publication describes the major facilities for inspecting, modifying, mapping, dumping and interpreting system libraries and mianstorage areas provided by the System/360 Service Aids to the system programmer and the IBM customer engineer.
Each of the seven Service Aids is described in a separate section of the text. The Service Aids are:
IMAPTFLE--which creates JCL for use in applying PTFs to system libraries

IMAPTFLS--which provides formatted lists of members of a library to which PTFs have been applied; or of all members of a library.
IMASZAP--which allows the user to inspect and modify data in a load module
IMBMDAP--which produces formatted maps of load modules previously link edited into a partitioned data set, of link pack or resident reenterable load module areas, and of the nucleus
IMCJQDMP--which provides formatted job queue dumps
IMDPRDMP--which formats and prints the high speed tape output
IMDSADMP--which can dump main storage to tape at high speed, and to either tape or a printer at low speed
Manual, 262 pages

GC28-6720

IBM SYSTEM/360 OPERATING SYSTEM MVT GUIDE
This publication describes the MVT (multiprogramming with a variable number of tasks) configuration of the operating system control program. It contains introductory material for programmers not familiar with MVT, planning information, storage estimates, information on optimizing performance, and a section on options and facilities available with MVT.
Systems Reference Library Manual, 80 pages

GC28-6730

IBM SYSTEM/360 OPERATING SYSTEM: RELEASE 20 GUIDE *M
This publication contains information about Release 20 of the IBM System/360 Operating System. It describes:
o New and changed system features and requirements
o System maintenance activity, including APAR descriptions, a program symptom index, and a list of program temporary fixes (PTFs) corrected.
o Modules added, deleted, or modified for Release 20
o Ordering and distribution procedures for Release 20
Manual, 336 pages

GC28-6732

IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION: COMMAND LANGUAGE
This publication describes the TSO command language that a terminal user may use to request the services of TSO. The "Introduction" describes what the command language is. The section entitled "What You Must Know to Use the Commands" contains general information necessary for the use of every command.
The section entitled "The Commands" contains a description of each command, its operands and its subcommands. Examples are included.
"Command Procedure Statements" describes the statements designed for use in command procedures. The "Glossary" contains definitions of terms contained in the text of the publication.
This publication is intended for planning purposes only. Further information will be published when TSO becomes available.
Systems Reference Library Manual, 340 pages

GC28-6733

IBM SYSTEM/360 OPERATING SYSTEM: RELEASE 19 GUIDE
This publication contains a summary of release 19 of the IBM System/360 Operating System. It describes:

- New and changed system features and requirements.
 - System maintenance activity, including APAR descriptions, a program symptom index, and a list of program temporary fixes (PTFs) corrected.
 - Modules added, deleted, or modified for release 19.
 - Ordering and distribution procedures for release 19.
- Systems Reference Library Manual, 376 pages

GC28-6747

IBM SYSTEM/360 OPERATING SYSTEM: RELIABILITY DATA EXTRACTOR USER'S GUIDE
This publication describes the Reliability Data Extractor (RDE) facility of the IBM System/360 Operating System. The publication is intended for the users with the RDE facility in their operating system. This publication describes how to use the RDE facility.
Systems Reference Library Manual, 20 pages

GC28-6753

IBM SYSTEM/360 DISK OPERATING SYSTEM: TAPE AND DISK SORT/MERGE PROGRAM, PROGRAM NUMBER 5736-SM1 PROGRAM PRODUCT SPECIFICATIONS
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Program Product Specifications, 2 pages

SC28-6755

IBM SYSTEM/360 DISK OPERATING SYSTEM: TAPE AND DISK SORT/MERGE PROGRAM, SYSTEM INFORMATION - PROGRAM NUMBER 5736-SM1

This publication contains the Disk Operating System information that relates to the tape and disk sort/merge program product. It describes:

- Storage, hardware, and program installation requirements
 - Procedures to be followed for program installation
 - Sample problems which provide a minimal test of the 5736-SM1 sort/merge program.
 - Messages generated by the 5736-SM1 sort/merge program
- System Information Manual for Program Product, 62 pages

GC28-6758

IBM SYSTEM/360 OPERATING SYSTEM DATA SET UTILITIES SUPPORT FOR ASCII - PROGRAM NUMBER 5734-UT2

This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product. Design Objectives, 2 pages

GC28-6759

OS/MVT, OS/MVT, AND OS/VS DATA SET UTILITIES SUPPORT FOR ASCII - PPS - PROG. NO. 5734-UT2

This PPS describes the data set utilities support for the American National Standard Code for Information Interchange (ASCII). This support consists basically of a load module and four utility programs designed to support data sets written in ASCII format. Program Product Specifications, 2 pages

SC28-6760

OS/MVT, OS/MVT, AND OS/VS DATA SET UTILITIES SUPPORT FOR ASCII: USER'S GUIDE, PROG. NO. 5734-UT2

This publication describes the data set utilities that support the American National Standard Code for Information Interchange (ASCII).

It describes:

- The capabilities and limitations of the utility programs when used to process ASCII data sets.
- The control statements needed to process ASCII data sets.
- The possible applications of the utility programs.

System/360 Operating System Data Set Utility Support for ASCII is a program product that assists programmers responsible for creating and maintaining operating system data. When using this support, ASCII data sets, as well as EBCDIC data sets, can be created and maintained, although all System/360 operations are in EBCDIC. Program Product User's Guide, 196 pages

GC28-6762

OS/MVT AND OS/VS2 TSO TERMINALS MANUAL

This publication describes how to use the terminals supported by the Time Sharing Option (TSO) under the OS/MVT and OS/VS2 configurations of the Operating System (OS). It is intended for all TSO terminal users. The operation and characteristics of the following terminals in a TSO environment are discussed:

- o IBM 2741 Communication Terminal
- o IBM 1052 Printer-Keyboard
- o Teletype* Model 33
- o Teletype* Model 35
- o IBM 2260 Display Station
- o IBM 2265 Display Station
- o IBM 3270 Information Display System

*Trademark of Teletype Corporation

The publication is divided into independent sections; each describes one type of terminal.

An appendix describes the LOGOFF, LOGON, PROFILE, and TERMINAL commands that a user issues to control his terminal session. Manual, 60 pages

GC28-6763

IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION TERMINAL USER'S GUIDE

The Time Sharing Option (TSO) of the IBM System/360 Operating System permits the user to access the facilities of a computer from a terminal. The work is defined to the system through the TSO Command Language. This publication explains to all users of TSO how to use the TSO Command Language to perform the following functions:

- o Start and end a terminal session
- o Enter and manipulate data
- o Program at the terminal
- o Test a program
- o Write and use command procedures
- o Control a system with TSO

After becoming familiar with the information presented

in this manual, the reader may use IBM System/360 Operating System: Time Sharing Option, Command Language Reference (GC28-6732) for review and reference. Systems Reference Library Manual, 112 pages

GC28-6764

IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION GUIDE TO WRITING A TERMINAL MONITOR PROGRAM OR A COMMAND PROCESSOR

This publication describes features of TSO that can be replaced, modified, or added to by each user of TSO to adapt it to his particular needs. The manual is intended for programmers whose responsibility it is to modify the portions of TSO that communicate directly with the user at the terminal.

It discusses the Terminal Monitor Program and the Command Processors from the viewpoint of their replaceability, and it describes the programming features provided within TSO for user-written Terminal Monitor Programs, Command Processors, and application programs. These features include:

- o Service Routines
- o Macro Instructions
- o SVCs
- o The Dynamic Allocation Interface Routine (DAIR)
- o The TEST Command Processor

Systems Reference Library Manual, 288 pages

SC28-6765

OS/MVT AND OS/VS2 TSO DATA UTILITIES: COPY, FORMAT, LIST & MERGE: USER'S GUIDE AND REFERENCE, PROG. NO. 5734-UT1

The TSO Data Utilities: COPY, LIST, FORMAT, MERGE is a program product designed to augment the text and data manipulation capabilities of the TSO Command Language. This publication describes the syntax and use of the TSO Data Utility commands: COPY, FORMAT, LIST, and MERGE. This publication is intended for use by terminal users whose installation includes this TSO program product. This manual has two sections:

- o "How to Use the Commands" describes the operations that can be performed by using the utility commands and subcommands at a terminal.
- o "Command Descriptions" describes the syntax of the four utility commands: COPY, FORMAT, LIST, and MERGE, and the two subcommands of the EDIT command, FORMAT and MERGE. Examples of each command and subcommand are included.

Prerequisites and corequisites for this publication are: IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION, COMMAND LANGUAGE REFERENCE (GC28-6732) IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION, TERMINAL USER'S GUIDE (GC28-6763) Manual, 56 pages

SC28-6767

OS/MVT AND OS/VS2 TSO DATA UTILITIES: COPY, FORMAT, LIST, MERGE SYSTEM INFORMATION PROGRAM PRODUCT - PROGRAM NUMBER 5734-UP1

This publication is for use by system programmers who are installing the TSO Data Utilities: COPY, FORMAT, LIST, MERGE Program Product into an IBM System/360 Operating System with the Time Sharing Option.

This publication describes procedures to be followed for program installation, including sample problems which ensure that the TSO Data Utilities Program Product has been properly installed. This publication also contains the storage requirements for this Program Product. Prerequisite publications are:

IBM System/360 Operating System: Storage Estimates, GC28-6551
IBM System/360 Operating System: System Generation, GC28-6554
IBM System/360 Operating System: Time Sharing Option Guide, GC28-6698.
Manual, 24 pages

GC28-6768

OS/MVT AND OS/VS2 TSO DATA UTILITIES: COPY, FORMAT, LIST, & MERGE - PPS - PROG. NO. 5734-UT1

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Program Product Specifications, 1 page

SC28-6808

A PL/I PRIMER

The purpose of this publication is to provide tutorial material not only for the person with some knowledge of computer programming, but also for the novice who knows little or nothing about data processing. Student Text, 71 pages

GC28-6810

IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEMS CONCEPTS AND FACILITIES

This publication describes the facilities provided by the IBM System/360 Model 44 Programming System.

The Model 44 Programming System consists of a FORTRAN compiler, an assembler, a supervisor, and system support

programs. It provides FORTRAN and assembler language processing and program execution in a monitored environment, with automatic job-to-job transition, interruption handling, and input/output supervision. The system has facilities for the creation and maintenance of libraries and the manipulation of their contents. It also provides extensive job control and program segmentation capabilities for flexibility and versatility in the preparation of programs for execution.
Manual, 48 pages

GC28-6811

IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM ASSEMBLER LANGUAGE, PROGRAM NUMBER 360P-AS-616

Model 44 Programming System Assembler Language. This assembler language is used to write programs for the Model 44. The IBM System/360 Model 44 Programming System Assembler Program processes the language and provides auxiliary functions useful in the preparation and documentation of a program.
Systems Reference Library Manual, 74 pages

GC28-6812

IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM GUIDE TO SYSTEM USE

This publication contains detailed information for preparing programs to be executed under the IBM System/360 Model 44 Programming System. It discusses and illustrates the system's requirements, its capabilities, and the control statements and supervisor calls that are used with it.
Systems Reference Library Manual, 180 pages

GC28-6813

IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM GUIDE TO SYSTEM USE FOR FORTRAN PROGRAMMERS

This publication describes how to use the Model 44 Programming System to compile and execute programs written in the IBM System/360 FORTRAN IV language. A discussion of program optimization and of the restrictions of the Model 44 FORTRAN IV compiler is also included.

This publication is directed primarily at programmers who are familiar with the FORTRAN IV language. Previous knowledge of the Model 44 Programming System is not required.
Systems Reference Library Manual, 30 pages

GC28-6814

IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM SYSTEMS PROGRAMMER'S GUIDE

This publication describes how to construct an IBM System/360 Model 44 Programming System and how to modify and extend its capabilities.

Among the subjects discussed in this publication are:
How to construct and edit a Model 44 Programming System.
How to write an accounting routine and incorporate it into the system.
How to define the input/output configuration at IPL time.
How to write routines at the Execute Channel Program (EXCP) level of the input/output facilities.
How to expand the user communication region.
How to update the module and phase libraries.
How to print, punch, and update the distributed tape reel.

Systems Reference Library Manual, 88 pages

GC28-6815

SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM OPERATOR'S GUIDE

This publication provides operators with detailed information required for operating the IBM System/360 Model 44 Programming System and the various stand-alone programs associated with it.

Operating instructions are provided for IPL procedures, general operations, abnormal end procedures, operator-to-system communications, and stand-alone operations.
Manual, 56 pages

GC28-6816

IBM SYSTEM/360 CONVERSION AIDS: 1620 SIMULATOR FOR IBM SYSTEM/360 MODEL 44 PROGRAM NUMBER 360C-SI-755

This reference publication provides information on the 1620 simulator for the IBM System/360 Model 44, and is directed to the user who is replacing his IBM 1620 Model 1 or Model 2 Data Processing System with an IBM System/360 Model 44. This manual describes the installation requirements, and programming and operating considerations for the 1620 simulator.

Simulation is a technique that uses System/360 instruction sequence to perform the functions of 1620 instructions, thus permitting the user to execute object programs written for the 1620.
Systems Reference Library Manual, 56 pages

GC28-6817

IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (G AND H) PROGRAMMER'S GUIDE
PROGRAM NUMBERS 360S-FO-500 360S-FO-520

This publication explains how to compile, linkage edit, and execute a program written in IBM System/360 Fortran IV Language.

Systems Reference Library Manual, 180 pages

GC28-6818

OS FORTRAN IV LIBRARY: MATHEMATICAL AND SERVICE SUBPROGRAMS, PROG. NO. 360S-LM-501

This publication describes the mathematical and service subprograms contained in the library supplied with Basic FORTRAN IV (OS) and FORTRAN IV (OS) compilers. Information on the use of these subprograms in either a FORTRAN or an assembler language program is also included.
Manual, 70 pages

GC28-6819

IBM SYSTEM/360 FORTRAN IV LANGUAGE HANDBOOK FOR CONVERSION FROM IBM 7090/7094 FORTRAN IV PROGRAM NUMBER 7090-PR-130

This publication describes how a FORTRAN IV program written for execution under the IBM 7090/7094 IBSYS Operating System must be modified to be run under IBM System/360. Differences in both syntax and implementation are discussed. It is assumed that the reader is familiar with the IBM 7090/7094 FORTRAN IV language.
Systems Reference Library Manual, 32 pages

GC28-6820

OS ITP: PL/I AND BASIC PROGRAM PRODUCT DESIGN OBJECTIVES PROGRAM NUMBERS 5734-RC1 AND 5734-RC3

The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.
Flyer, 3 pages

GC28-6821

IBM SYSTEM/360 DISK OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY PL/I AND BASIC (PROGRAM PRODUCT DESIGN OBJECTIVES) PROGRAM NUMBERS 5736-RC1, 5736-RC2

This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product.
Program Product Design Objectives, 4 pages

GC28-6825

IBM SYSTEM/360 OS/DOS AND OS (TSO) ITP: PL/I AND BASIC GENERAL INFORMATION, PROG. NOS. 5734-RC1/2/3/4, 5736-RC1/2

This publication gives general information about the external characteristics of the PL/I feature of the Interactive Terminal Facility (ITF), a Program Product that operates under the System/360 Operating System or the System/360 Disk Operating System. The book includes descriptions of terminal commands, PL/I language elements, and machine requirements.

This publication is intended as an aid to evaluation and planning; it is not meant for the terminal user. Publications will be provided for the terminal user when ITP:PL/I becomes available.
Program Product Manual, 26 pages

GC28-6829

IBM SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY: PL/I (5734-RC1) AND BASIC (5734-RC3) SPECIFICATION SHEET

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product.
Specification Sheet, 4 pages

GC28-6830

IBM SYSTEM/360 DISK OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY: PL/I AND BASIC - PPS

PROGRAM NUMBERS: 5736-RC1 5736-RC2
This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product.
Program Product Specifications, 4 pages

GC28-6831

IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) INTERACTIVE TERMINAL FACILITY: PL/I AND BASIC PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBERS 5734-RC2, 5734-RC4

These Program Product Specifications are for System/360 Operating System Time Sharing Option Interactive Terminal Facility: PL/I and BASIC.
Specification Sheets, 2 pages

GC28-6832

IBM SYSTEM/360 OPERATING SYSTEM CODE AND GO FORTRAN PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-FO1

These Program Product Specifications are for IBM System/360 Operating System Code and Go FORTRAN.
Specification Sheet, 2 pages

SC28-6833

IBM SYSTEM/360 OS/DOS ITF: PL/I INTRODUCTION
PROGRAM NUMBERS 5734-RC1, 5736-RC1

This publication is an introduction to the IBM System/360 Operating System (OS) and the IBM System/360 Disk Operating System (DOS) Interactive Terminal Facility: PL/I. It is designed to give a novice programmer the tools he needs to write elementary programs in ITF: PL/I and to enable him to understand the more advanced material found in related publications. Because of this limited scope, therefore, this publication does not cover all the capabilities of ITF: PL/I nor does it include all the detailed information on system and terminal operation. These details may be found in the IBM SYSTEM/360 OPERATING SYSTEM AND IBM SYSTEM/360 DISK OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY: PL/I TERMINAL USER'S GUIDE, form SC28-6834.

Program Product Manual, 62 pages

all the capabilities of ITF: PL/I nor does it include all the detailed information on system and terminal operation. These details may be found in the IBM System/360 Operating System Time Sharing Option Interactive Terminal Facility: PL/I Terminal User's Guide, Order Number SC28-6839. Manual, 72 pages

SC28-6839

IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION)
INTERACTIVE TERMINAL FACILITY: PL/I TERMINAL USER'S GUIDE
PROGRAM NUMBER 5734-RC2

This publication provides tutorial and reference information for users of the PL/I language components of the Interactive Terminal Facility (ITF), an IBM Program Product that operates under the Time Sharing Option (TSO) of the System/360 Operating System (OS).

This guide tells how to use ITF: PL/I in the TSO environment. It includes detailed descriptions of the ITF: PL/I language elements, that portion of the TSO command language that applies to ITF: PL/I, and other reference information, including all of the ITF: PL/I error messages. Sample programs and examples appear throughout the text.

This publication is intended for the TSO ITF: PL/I terminal user. Users with little or no programming experience should be thoroughly familiar with the concepts presented in the publication IBM System/360 OS (TSO) ITF: PL/I Introduction, Order Number SC28-6838. Users whose scope of work extends beyond ITF: PL/I should consult the TSO publications listed in the preface. Manual, 268 pages

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SC28-6834

IBM SYSTEM/360 OS/DOS ITF: PL/I TERMINAL USER'S GUIDE
PROGRAM NUMBERS 5734-RC1, 5736-RC1

This publication provides tutorial information and reference material for users of the PL/I language component of the Interactive Terminal Facility (ITF), a Program Product that operates under the System/360 Operating System (OS) or the System/360 Disk Operating System (DOS).

The book tells how to use ITF and how to write programs in ITF: PL/I; it also includes detailed descriptions of the ITF: PL/I language elements, the ITF system commands, as well as error recognition and correction information. Sample programs and examples of the use of ITF: PL/I appear throughout the text.

This publication is intended for the ITF: PL/I terminal user. Users with little or no programming experience should be thoroughly familiar with the concepts presented in the publication IBM SYSTEM/360 OS/DOS ITF: PL/I INTRODUCTION, SC28-6833.

Program Product Terminal User's Guide, 233 pages

SC28-6835

IBM SYSTEM/360 OS/DOS ITF: BASIC TERMINAL USER'S GUIDE
PROGRAM NUMBERS 5736-RC2, 5734-RC3

This publication provides tutorial information and reference material for users of the BASIC language component of the Interactive Terminal Facility (ITF), a Program Product that operates under the System/360 Operating System (OS) or the System/360 Disk Operating System (DOS).

The book tells how to use ITF, and how to write programs in BASIC; it also includes detailed descriptions of the BASIC language elements, the ITF system commands, as well as error recognition and correction. Sample programs and examples of the use of ITF: BASIC appear throughout the text.

This publication is intended for the ITF: BASIC terminal user. No previous knowledge of programming or of the BASIC language is required.

Program Product Terminal Users Guide, 165 pages

SC28-6840

IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION)
INTERACTIVE TERMINAL FACILITY: BASIC TERMINAL USER'S GUIDE
PROGRAM NUMBER 5734-RC4

This publication provides tutorial information and reference material for users of the BASIC language component of the Interactive Terminal Facility (ITF), a Program Product that operates under the Time Sharing Option (TSO) of the System/360 Operating System (OS).

The book tells how to use ITF in the TSO environment, and how to write programs in BASIC; it also includes detailed descriptions of the BASIC language elements, a subset of the TSO command language, as well as error recognition and correction. Sample programs and examples of the use of ITF: BASIC appear throughout the text.

This publication is intended for the TSO ITF: BASIC terminal user. No previous knowledge of programming or of the BASIC language is required.

Manual, 204 pages

SC28-6836

IBM SYSTEM/360 OS/DOS ITF INSTALLATION REFERENCE MATERIAL
PROGRAM NUMBERS 5734-RC1, 3; 5736-RC1, 2

This publication describes the information required by the central computing installation to run the Interactive Terminal Facility (ITF). This includes machine requirements, and operator commands.

ITF runs as a problem program under either the System/360 Operating System (OS) or the System/360 Disk Operating System (DOS). It supports conversational problem solving in the ITF: PL/I and/or ITF: BASIC languages.

Program Product Reference Manual, 138 pages

SC28-6841

IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION)
INTERACTIVE TERMINAL FACILITY INSTALLATION REFERENCE MANUAL
PROGRAM NUMBERS 5734-RC2, 5734-RC4

This publication describes the information required by the central computing installation to install and run the Interactive Terminal Facility (ITF). This includes installation procedures, storage estimates, ITF control user functions, and terminal messages.

ITF runs as a command processor under the Time Sharing Option (TSO) of System/360 Operating System (OS). It supports conversational problem solving in the ITF: PL/I and/or ITF: BASIC languages.

This publication is intended for the TSO ITF control user who installs TSO ITF, and who adds the ITF terminal users to the TSO system.

Manual, 90 pages

GC28-6837

BASIC LANGUAGE REFERENCE MANUAL

This publication contains a complete description of the BASIC programming language as it is defined by IBM.

BASIC is a terminal-oriented language used by both programmers and non-programmers for the solution of problems requiring lengthy or repetitive computations.

The syntax and semantics of BASIC are presented in this publication for readers who are already acquainted with the fundamental techniques and terminology of programming. Topics covered include program structure, data representation, and statement descriptions. Sample BASIC programs and a formalized definition of the language are included in appendixes.

Reference Manual, 114 pages

SC28-6842

IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION)
CODE AND GO FORTRAN PROCESSOR-TERMINAL USER'S GUIDE
PROGRAM NUMBERS 5734-FO1, 5734-LM1

This publication provides the information necessary to use the Code and Go FORTRAN processor for foreground programs developed in an IBM System/360 Time Sharing Option (TSO) environment.

Code and Go is a compile-and-go processor that compiles at a fast rate and produces an object program directly in main storage. For the TSO foreground, Code and Go was specifically developed for users who place a premium on quick compilation and execution, and on easy and rapid debugging.

This publication, while primarily directed to engineers, mathematicians, and others who may not be full-time, professional programmers, also provides information for experienced production programmers who will be using Code and Go to write and test components of a large program for later execution in a batch environment. Readers must be familiar with the FORTRAN IV language as described in the publication IBM System/360 and System/370 FORTRAN IV Language, Order No. GC28-6515.

Included are explanations of that portions of that portion of the TSO command language that is directly relevant to the needs of the Code and Go foreground user, a sample terminal session, a section on programming considerations, and other reference information. Also provided are a discussion of the FORTRAN syntax checker and its associated messages, and a listing (with explanations)

SC28-6838

IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION)
INTERACTIVE TERMINAL FACILITY: PL/I INTRODUCTION
PROGRAM NUMBER 5734-RC2

This publication is an introduction to the IBM System/360 Operating System Time Sharing Option Interactive Terminal Facility: PL/I. It is designed to give a novice programmer the tools he needs to write elementary programs using ITF: PL/I and to enable him to understand the more advanced material found in related publications. Because of this limited scope, therefore, this publication does not cover

of compiler-related and load module execution diagnostic messages.

Program Product Manual, 186 pages

GC28-6844

IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV LIBRARY MOD 1 DESIGN OBJECTIVES - PROGRAM NUMBER 5734-LM1

This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product. Design Objective Sheet, 1 page

GC28-6847

IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV LIBRARY (MOD II) PROGRAM NUMBER 5734-LM3

This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product. Design Objectives, 2 pages

GC28-6850

SYSTEM/360 OPERATING SYSTEM FORTRAN IV LIBRARY MOD 1 PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-LM1

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specifications, 2 pages

SC28-6851

IBM SYSTEM/360 DISK OPERATING SYSTEM - FORTRAN IV LIBRARY ASCII SUPPORT: PROGRAMMER'S GUIDE SUPPLEMENT PROGRAM NUMBER 5734-LM1

This publication explains how to install and use the IBM System/360 Disk Operating System FORTRAN IV Library ASCII Support Package. ASCII is an acronym used to refer to the American National Standard Code for Information Exchange, a 7-bit character code. The internal code used by System/360 is based on an 8-bit character. With the DOS FORTRAN IV Library ASCII Support Package, DOS users may process and create magnetic tape data sets recorded in accordance with the ASCII code.

This publication assumes a knowledge of the FORTRAN IV language, and familiarity with how to compile, linkage edit, and execute programs under control of the IBM System/360 Disk Operating System. Program Product Manual, 16 pages

SC28-6852

IBM SYSTEM/360 OPERATING SYSTEM: FORTRAN IV (H EXTENDED) COMPILER, PROGRAMMER'S GUIDE - PROGRAM NUMBER 5734-FO3 5734-LM3

This publication describes the steps to compile, link edit, and execute a FORTRAN IV program using the FORTRAN IV (H Extended) compiler, an IBM Program Product that operates under the control of the operating system. The methods of invoking each step, input to the steps, and output from the steps, are detailed. In addition, compiler options, features of the operating system used by the FORTRAN programmer, and practices for coding more efficient FORTRAN programs are discussed.

This publication is directed to programmers familiar with the FORTRAN IV language. Previous knowledge of the operating system is not required.

Information in this publication pertaining to OS/VS2 is for planning purposes until that product is available. Manual, 208 pages

SC28-6853

IBM OS CODE AND GO FORTRAN AND FORTRAN IV (G1) PROGRAMMER'S GUIDE, PROG. NOS. 5734-FO1, 2, -LM1

This publication is directed to programmers using either the IBM System/360 Code and Go FORTRAN or FORTRAN IV (G1) compiler. It explains how to use the IBM System/360 Operating System to compile, link edit, and execute programs written in the IBM System/360 FORTRAN IV language.

In addition, it contains information on processing efficiency, extended error handling, debugging specifications, and Assembler language subroutine linkage conventions.

This publication is directed primarily to programmers familiar with the FORTRAN IV language. Previous knowledge of the IBM System/360 Operating System is not required. Program Product Manual, 190 pages

GC28-6854

OS FORTRAN IV (G1) PROCESSOR - PPS - PROG. NO. 5734-FO2

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Program Product Specifications, 2 pages

SC28-6855

IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) TERMINAL USER'S SUPPLEMENT FOR FORTRAN IV (G1) PROCESSOR AND TSO FORTRAN - PROGRAM PRODUCT MANUAL PROGRAM NUMBERS 5734-FO2, 5734-CP3, 5734-LM1

This publication describes the use of the FORTRAN IV (G1) compiler and the TSO FORTRAN Prompter from a

TSO Terminal. It is intended as a supplement to the IBM System/360 OS TSO Terminal User's Guide. This book describes the G1 compiler and its features, and methods of invoking the compiler. It contains examples of the use of the G1 compiler and the Prompter, diagnostic messages that a user receives at his terminal, and reference information. It makes no attempt to cover general TSO operation, which is covered in the TSO Terminal User's Guide.

The FORTRAN IV (G1) compiler is an extended version of the FORTRAN G compiler, adapted for more efficient use from a time-sharing terminal. The Prompter provides the interface between the compiler and the user, creating a conversational environment for the G1 programmer.

This publication is intended for use by FORTRAN programmers of all levels, but its approach is essentially toward the inexperienced programmer. It is not a reference document for the system programmer.

Co-requisite publications for this book are the IBM System/360 Operating System TSO Terminal User's Guide, Order No. GC28-6763, and the IBM System/360 Operating System Time Sharing Option Command Language Reference, Order No. GC28-6732. Manual, 124 pages

SC28-6856

FORTRAN IV (G1) PROCESSOR AND TSO FORTRAN PROMPTER FOR OS AND VM/370 (CMS): INSTALLATION REFERENCE MATERIAL, PROG. NOS. 5734-FO2, 5734-CP3

This publication describes the internal logic of the FORTRAN IV (G1) compiler.

The FORTRAN (G1) compiler, an extended version of FORTRAN IV (G), is adapted to a time sharing as well as a batch environment. It is a program product that operates under the IBM System/360 Operating System. It provides the ability to store object programs and to produce source and object listings, storage maps, and object decks. In addition, the FORTRAN IV (G1) compiler produces a terse form of output comprised of error messages and compiler statistics, suitable for terminal display.

This program logic manual is intended for use by persons involved in program maintenance. Program logic information is not necessary for the use and operation of the FORTRAN (G1); therefore, distribution of this publication is limited to licensees who have the aforementioned requirement. Program Product Manual, 48 pages

GC28-6857

IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION FORTRAN PRCMPTR - PROGRAM PRODUCT SPECIFICATION

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification, 2 pages

SC28-6858

IBM SYSTEM/360 FORTRAN IV LIBRARY (MODEL 1) INSTALLATION REFERENCE MATERIAL, PROGRAM NUMBER 5734-LM1

This publication describes the information required by the central computing installation to install and run the FORTRAN IV Library (Model 1). The information includes installation procedures, storage estimates, system information, and library-produced messages.

The FORTRAN IV Library (Model 1) operates with the FORTRAN E, G, and H compilers, with FORTRAN IV (G1), and with the Code and Go FORTRAN compiler. The library supports features not contained in the base FORTRAN IV library, such as list-directed I/O, improved data conversion, and ASC11 support. The library also includes special interfaces for running in the TSO foreground.

This publication is intended for Operating System/360 personnel responsible for installing the library, as well as for the system programmer responsible for maintenance of the library within the system. Program Product Manual, 65 pages

SC28-6859

IBM SYSTEM/360 OPERATING SYSTEM CODE AND GO FORTRAN PROCESSOR INSTALLATION REFERENCE MATERIAL PROGRAM NUMBER 5734-FO1

This publication describes the information required by the central computing installation to install and run the FORTRAN IV Code and Go compiler. The information includes installation procedures, storage estimates, system information, and messages produced by the compiler.

This publication is intended for Operating System/360 personnel responsible for installing the FORTRAN IV Code and Go compiler, as well as for the system programmer responsible for maintaining it within the system. Manual, 60 pages

SC28-6861

IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (H EXTENDED) COMPILER AND LIBRARY (MOD II) IRL MODULE II INSTALLATION REFERENCE MATERIAL - PROGRAM NUMBERS 5734-FO3, 5734-LM3

The FORTRAN IV (H Extended) compiler and the FORTRAN IV Library (Mod II) are released as independent components that require installation under the IBM System/360 Operating System.

This publication describes the procedures for installing

- FORTRAN IV (H Extended) compiler and the FORTRAN IV Library (Mod II). It is intended for use by system programmers or planners who supervise the generation and maintenance of an installation's operating system.
Manual, 64 pages
- GC28-6862
IBM SYSTEM/360 OPERATING SYSTEM: FORTRAN IV (H EXTENDED) COMPILER PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5734-FO3
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specifications, 2 pages
- GC28-6863
OS FORTRAN IV LIBRARY (MOD II) - PPS - PROG. NO. 5734-LM3
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Systems Reference Library Manual, 2 pages
- SC28-6864 *M
IBM SYSTEM/360 CS: FORTRAN IV MATH AND SVC SUBPROGRAM SUPPLEMENT FOR MODE I and MODEL II LIBRARIES PROGRAM NUMBERS 5734-LM1, 5734-LM3
This publication is a supplement to IBM System/360 Operating System: FORTRAN IV Library-Mathematical and Service Subprograms, Order No. GC28-6818. Together, these publications describe the mathematical and service subprograms in the FORTRAN IV Mod I and Mod II libraries.
In general, the base publication documents those subprograms that handle single and double precision quantities; this supplement documents those subprograms that handle extended precision quantities.
Systems Reference Library Manual, 34 pages
- GC28-6865
IBM SYSTEM/360 OS: FORTRAN IV (H EXTENDED) COMPILER AND LIBRARY (MODEL II), MESSAGES - SYSTEM REFERENCE LIBRARY MANUAL, PROGRAM NUMBERS 5734-FO3, 5734-LM3
No abstract available.
Systems Reference Library Manual, 140 pages
- SC28-6868 *M
IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (H EXTENDED PLUS COMPILER & LIBRARY USER SUPPLEMENT - PROGRAM NUMBER 5799-AAW
This publication contains information describing the use of the FORTRAN IV (H Extended Plus) compiler, an enhancement to the FORTRAN IV (H Extended) compiler program product. It supplements the following publications:
IBM System/360 Operating System: FORTRAN IV (H Extended) Compiler Programmer's Guide, Order No. SC28-6852
IBM System/360 Operating System: FORTRAN IV (H Extended) Compiler and Library (Mod II) Messages, Order No. SC28-6865
IBM System/360 Operating System: FORTRAN IV Mathematical and Service Subprograms Supplement for Mod I and Mod II Libraries, Order No. SC28-6864
The supplementary information for each publication listed above is treated a separate chapter in this publication. The chapter on the Programmer's Guide describes the new options, OPTIMIZE (3) and IL, available to the programmer using the (H Extended Plus) compiler and FORTRAN programming considerations for these options and for other compiler improvements. The chapter on the Mod I and Mod II Libraries describes the changes made to a number of mathematical subprograms to make their processing more efficient.
Unless otherwise noted, all information in the base publications apply to this supplement.
Manual, 32 pages
- GC28-6872
SYSTEM/360 DISK OPERATING SYSTEM FORTRAN IV LIBRARY, OPTION 1 - PROGRAM PRODUCT DESIGN OBJECTIVE PROGRAM NUMBER 5746-LM3
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product. Design Objective, 2 pages
- GC28-6878
OS/VS1 RES SYSTEM PROGRAMMER'S GUIDE
This guide is required by system programmers who plan, install, and maintain RES (Remote Entry Services) under VS1. The guide describes the facilities and operational requirements for both the central computer and the workstations. The procedure to be followed for generating and installing RES is explained.
Manual, 173 pages
- GC28-6879
OS/VS1 RES WORKSTATION USER'S GUIDE
This user's Guide is intended for an RES workstation user who creates one or more jobs to be sent, using RES (Remote Entry Services), to a central computer for processing. In addition, this book can be used by one who merely operates the RES workstation, sending jobs created by others.
The book describes input and output queues and how the workstation user can control them. The workstation commands available to the user are described according to their function. The parameters used for various forms of the commands are explained.
For each type of RES workstation, there is a separate chapter that describes its operation. This portion of the book can be tailored to each installation's requirements by removing chapters that pertain to types of workstations not used by that installation. For a user's guide to be used only at one workstation, only the pertinent chapter need be retained.
Manual, 214 pages
- GC28-6881 *M
FORTRAN INTERACTIVE DEBUG FOR OS(TSO) AND VM/370(CMS) PROGRAM PRODUCT DESIGN OBJECTIVES, PROG. NO. 5734-FO5
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product. Flyer, 1 page
- GC28-6882
DISK OPERATING SYSTEM FORTRAN IV LIBRARY OPTION 1 - PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5746-LM3
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specifications, 2 pages
- SC28-6883
DOS FORTRAN IV LIBRARY OPTION/PROGRAMMERS'S GUIDE SUPPLEMENT - PROGRAM PRODUCT 5746-LM3
This publication is directed to programmers using the FORTRAN IV Library Option 1, a program product used with the Disk Operating System. The Option 1 Library provides DOS users with System/370 input/output device support and ASCII support. (ASCII is an acronym used to refer to the American National Standard Code for Information Interchange.) ASCII support allows users to process and create magnetic tape data sets recorded in ASCII code and to specify larger block sizes for EBCDIC tape data sets.
This publication is a supplement to, and should be used in conjunction with, the publication, Disk Operating System: FORTRAN IV Programmer's Guide, Order No. GC28-6397. Programmers are assumed to be familiar with its contents. The supplement contains sections on using and installing the Option 1 library and on running the sample program. For information on how to compile, linkage edit, and execute a DOS FORTRAN IV program, the appropriate sections of the programmer's guide should be consulted.
Manual, 20 pages
- GC28-6884
IBM FORTRAN PROGRAM PRODUCTS FOR OS AND THE CMS COMPONENT OF VM/370: GENERAL INFORMATION, PROG. NOS. 5734-FO1,2,3,5 -LM1,3-CP3
This publication provides general information about the functions, capabilities, and system requirements of the following program products:
o Code and Go FORTRAN Processor
o FORTRAN IV (G1) Processor
o FORTRAN IV (H Extended) Processor
o FORTRAN IV Library (Mod I)
o FORTRAN IV Library (Mod II)
o TSO FORTRAN Prompter
o FORTRAN Interactive Debug
These products, with the exception of the TSO Prompter, operate under both OS and the CMS component of VM/370.
This publication is intended as an aid to evaluation and planning and is not meant for the terminal user or applications programmer.
Manual, 42 pages
- SC28-6885 *N
FORTRAN INTERACTIVE DEBUG FOR OS (TSO) TERMINAL USER'S GUIDE - PROGRAM PRODUCT 5734-FO5
This manual provides the information required to use FORTRAN Interactive Debug to debug Code and Go FORTRAN or FORTRAN G1 programs from a TSO terminal.
FORTRAN Interactive Debug is a conversational, symbolic debugging language with which the FORTRAN programmer can dynamically control the execution of his program. While using it, he can stop and start execution, examine and change values of program variables, dynamically control the Extended Error Handling facility, display execution frequencies for program statements, and trace control transfers as they occur.
The intended audience is the TSO FORTRAN programmer who codes in Code and Go FORTRAN or FORTRAN G1.
The first section of the book describes FORTRAN Interactive Debug, its invocation, and its use, and gives instructions for compiling FORTRAN programs so that they can

be processed under interactive debug. The second section is a reference section containing all the FORTRAN Interactive Debug subcommands. The third section covers programming considerations. Messages issued by FORTRAN Interactive Debug are covered in the fourth section.

Co-requisite Publications:
OS (TSO) Code and Go FORTRAN Processor Terminal User's Guide, Order No. SC28-6842
OS (TSO) Terminal User's Supplement for FORTRAN IV (G1) Processor and TSO FORTRAN Prompter, Order No. SC28-6855 Manual, 116 pages

SC28-6886

FORTRAN INTERACTIVE DEBUG FOR OS (TSO) INSTALLATION REFERENCE MATERIAL PROGRAM NUMBER 5734-FO5

This publication describes the information required by the central computing installation to install and run FORTRAN Interactive Debug under OS (TSO). The information includes installation procedures, storage estimates, system information, messages, and problem determination aids.

FORTRAN Interactive Debug provides a conversational, symbolic debugging capability for the TSO FORTRAN programmer. Using interactive debug, the Code and Go FORTRAN or FORTRAN G1 programmer can dynamically control the execution of his program, examine and change values of program variables, dynamically control the Extended Error Handling Facility, display execution frequencies for program statements, and trace control transfers as they occur.

This publication is intended for OS personnel responsible for installing FORTRAN Interactive Debug, as well as for the system programmer responsible for maintaining it within the system.
Manual, 60 pages

GC28-6888

FORTRAN INTERACTIVE DEBUG FOR OS (TSO) PPS PROGRAM NUMBER 5734-FO5

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification Sheet, 2 pages

SC28-6891

IBM VM/370 (CMS) TERMINAL USER'S GUIDE FOR FORTRAN IV PROGRAM NUMBERS 5734-FO1, 5734-FO2, 5734-FO3, 5734-LM1 AND 5734-LM3

This user's guide is intended for FORTRAN programmers who will be using the IBM System/360 OS FORTRAN IV (G1) or Code and Go FORTRAN IV compiler and the FORTRAN IV Library (Mod 1) or the FORTRAN IV (H Extended) compiler and the IBM FORTRAN IV Library (Mod II) under the control of the Conversational Monitor System component of the Virtual Machine Facility/370. It is assumed that the reader is familiar with the FORTRAN IV Language and the CMS component of VM/370.
Manual, 210 pages

GC28-8193

IBM SYSTEM/360 DISK OPERATING SYSTEM FORTRAN IV LIBRARY ASCII SUPPORT PROGRAM NUMBER 5736-LM1

This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product. Design Objective Sheet, 2 pages

GC28-8194

IBM SYSTEM/360 DISK OPERATING SYSTEM FORTRAN IV LIBRARY ASCII SUPPORT PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-LM1

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Program Product Specifications, 3 pages

GC28-8200

SYSTEM/370 PROGRAM PRODUCTS: LANGUAGE AND SORT PROCESSORS - OS, DOS, VM/370-CMS (CATALOG)

This catalog is a quick reference to the IBM Program Products that provide language and sort/merge processing support for IBM System/370 and System/360 running:

- o OS (VS1, VS2, MFT, and MVT)
- o DOS and DOS/VS
- o CMS Subsystems of VM/370

The language products described here include compilers, the associated libraries, and various related user productivity aids for:

- o COBL
- o FORTRAN
- o PL/I
- o BASIC
- o APL
- o RPG
- o Assembler

IBM Program Products are made available under a licensing agreement; consult your IBM representative for information on obtaining Program Products.

A section on how to use this catalog is included, as well as four indexes to Program Products and Program Product Descriptions.

Catalog, 36 pages

GC28-8201

IBM SYSTEM/360 OPERATING SYSTEM PL/I (F) LANGUAGE REFERENCE MANUAL

This publication consolidates documents outlining the status and use of the independent release of PL/I (F) Version 5. New features are noted, and information is provided on the system generation requirements and techniques. A list of all modules added, deleted or altered for this release is included. System Prose informs the user of the current maintenance status of PL/I (F).

IBM provides an operating system that can be used for system generation. The procedures required to initialize the starter system are also described in this publication. Language Reference Manual, 448 pages

GC28-8202

DOS AND TOS PL/I SUBSET REFERENCE MANUAL

This publication provides the rules for writing PL/I Subset programs that are to be compiled using the PL/I 0-level compiler under the IBM System/360 Disk and Tape Operating Systems. It is a reference to those features of the PL/I language implemented by the Fourth Version of the D-level compiler.

This publication is divided into two parts. Part I contains discussions of the concept of the language. Part II contains detailed rules and syntactic descriptions.

For information necessary to compile, link-edit, and execute a program, the reader should be familiar with the publication DOS and TOS PL/I (D) Compiler, Programmer's Guide, Order No. GC24-9005.

For a list of further related publications, refer to IBM System/360 Bibliography, Order No. GA22-6822. Manual, 250 pages

GC30-1007

OS/MFT AND OS/MVT TCAM COMPONENT LEVEL RELEASE GUIDE PROGRAM NUMBER 360S-CQ-548

This publication contains changes and additions to OS/MFT and OS/MVT systems publications as a result of component releases 2, 4, and 5 of OS TCAM. Publications updated by this publication are:

- o OS Messages and Codes - GC28-6631
- o OS Storage Estimates - GC28-6551
- o OS System Control Blocks - GC28-6628
- o Time Sharing Option Guide - GC28-6698
- o Time Sharing Option Command Language Reference GC-6732
- o Time Sharing Option (TSO) Control Program GY27-7199
- o OS Operator's Reference - GC28-6691
- o System Generation - GC28-6554

Manual, 160 pages

GC30-2003

IBM SYSTEMS REFERENCE LIBRARY MANUAL - IBM SYSTEM/360 OPERATING SYSTEM QUEUED TELECOMMUNICATIONS ACCESS METHOD MESSAGE PROCESSING PROGRAM SERVICES PROGRAM NUMBER 360S-CQ-519

This publication provides information on how to use the queued Telecommunications Access Method (QTAM) within Option 2 (Multiprogramming with a Fixed Number of Tasks) or Option 4 (Multiprogramming with a Variable Number of Tasks) of the System/360 Operating System to support a telecommunications application. Services provided by QTAM in support of a message processing program are described in detail, including the facilities provided to establish the interface to a QTAM message control program.

For detailed information on the QTAM facilities provided for the construction of a message control program, refer to the publication, IBM System/360 Operating System: QTAM Message Control Program (GC30-2005). Manual, 52 pages

GC30-2004

IBM SYSTEM/360 OPERATING SYSTEM BASIC TELECOMMUNICATIONS ACCESS METHOD PROGRAM NUMBER 360S-CQ-513

This publication describes the Basic Telecommunications Access Method (BTAM) available with the System/360 Operating System. BTAM provides facilities that enable an assembler-language programmer to write a teleprocessing control program that effects communications at the Read/Write level between a System/360 and a variety of computers and terminals connected to the System/360 over common-carrier or private-wire communications networks. BTAM employs both start-stop and binary synchronous (BSC) communications techniques, depending on the type of remote station.

Typical BTAM applications include data acquisition, message switching, and inquiry processing.

The publication explains some concepts of teleprocessing and BTAM, describes line control and message transmission techniques, and describes each of the BTAM macro instructions and facilities needed to construct a control program. The READ and WRITE macro instructions applicable for each type of remote station and line configuration are given, along with the channel programs generated for each type.

Prerequisite to use of this publication is a knowledge

of System/360 assembly language and data management facilities.
Systems Reference Library Manual, 210 pages

GC30-2005

IBM SYSTEMS REFERENCE LIBRARY
IBM SYSTEM/360 OPERATING SYSTEM QUEUED TELECOMMUNICATIONS
ACCESS METHOD MESSAGE CONTROL PROGRAM
PROGRAM NUMBER 360S-CQ-519

This publication contains specifications on the use of the Queued Telecommunications Access Method (QTAM) and the IBM System/360 Operating System to support telecommunications applications. Information in this publication will facilitate the construction of a QTAM message control program by the problem programmer. Complete descriptions of QTAM macro instructions are included.

For detailed information on the services provided by QTAM to support a message processing program, refer to IBM System/360 Operation System: QTAM Message Processing Program Services, (GC30-2003).
Systems Reference Library - 227 pages

GC30-2006

IBM SYSTEM/360 OPERATING SYSTEM REMOTE JOB ENTRY
PROGRAM NUMBER 360S-RC-536

This publication is designed to present the general concepts and facilities of Remote Job Entry (RJE). RJE allows users at remote locations to submit jobs over communications lines to an IBM System/360. It is available to users with either multiprogramming version of the IBM System/360 Operating System: multiprogramming with a variable number of tasks (MVT) or multiprogramming with a fixed number of tasks, version 2 (MFT).

Information on the capabilities and uses of RJE, on the operating environments, and on work station states and activities is included for the systems programmer and operator. The Job Entry Control Language is introduced and explained. The Job Entry Definition Statement, work station commands, messages sent to work stations, and central commands are discussed in terms of their functions, and how the user employs them in programs.

A discussion of RJE generation includes the necessary macro instructions. Communication Serviceability Facilities, such as error recovery procedures, and system restart procedures, are discussed separately as well as with the work stations.

A discussion of programming information for the 2780 Data Transmission Terminal and for the 1130 Computing System is included.
Systems Reference Library Manual, 126 pages

GC30-2012

OS/MFT, OS/MVT AND OS/VS1: CRJE CONCEPTS AND FACILITIES
PROG. NO. 360S-RC-551 (MFT/MVT), 5741-SC1-0A (VS1)

This publication contains information about Conversation Remote Job Entry (CRJE) under OS/MFT, OS/MVT, and OS/VS1. It describes the system concepts, facilities, and points out the responsibilities of those involved in the overall operation of CRJE.

An appendix of related publications and a glossary of terminology is included.
Manual, 36 pages

GC30-2014

OS/MFT, OS/MVT AND OS/VS1: CRJE TERMINAL USER'S GUIDE
PROG. NO. 360S-RC-551 (MFT/MVT), 5741-SC1-0A (VS1)
This publication serves primarily as a guide for the inexperienced CRJE (Conversational Remote Job Entry) terminal user and as a reference for the experienced CRJE user.

This publication describes the functions of CRJE and the terminal commands that enable the user to perform these functions. The commands and subcommands are described in detail, and examples illustrate how they may be used. Terminal messages are documented with explanations and corresponding system and user responses.
Manual, 179 pages

GC30-2015

IBM SYSTEM/360 OPERATING SYSTEM REMOTE JOB ENTRY -
PLANNING FOR IBM 2770 RJE SUPPORT

This publication is a planning aid only. It is intended for use prior to the availability of Remote Job Entry (RJE) support for the IBM 2770 Data Communications System with 2772 Multipurpose Control Unit and will be replaced by reference documentation when that support becomes available. It describes the control unit, the input/output devices supported, and the RJE functions that will be available.

Information herein applies only to the 2772 Multipurpose Control Unit of the 2770 System; full information on RJE is contained in the publication IBM SYSTEM/360 OPERATING SYSTEM Remote Job Entry order number GC30-2006.
Systems Reference Library Manual, 12 pages

GC30-2016

OS/MFT, OS/MVT AND OS/VS1: CRJE SYSTEM PROGRAMMER'S GUIDE
PROG. NO. 360S-RC-551 (MFT/MVT), 5741-SC1-0A (VS1)
This publication contains information to aid the system

programmer and the central computer operator in the installation of, the operation of, and use of Conversational Remote Job Entry (CRJE).

This publication describes CRJE and the facilities it provides users at remote keyboard terminals attached by communications lines to an IBM System/360 or IBM System/370 that uses the MFT, MVT, or VS1 options of the operating system (OS).

Information about the CRJE task, its operating environment, system generation considerations, and the central operator command facility is included. Central messages are described with explanations and suggested operator responses.

This publication also includes a discussion of CRJE storage estimates and offers some performance guidelines to aid the system programmer in tuning his CRJE system.
Manual, 65 pages

GC30-2022

OS TCAM CONCEPTS AND FACILITIES, PROG. NO. 360S-CQ-548

This publication provides a basic introduction to the concepts of and the facilities provided by the Telecommunications Access Method (TCAM) under the MFT, MVT, VS1, and VS2 options of the operating system (OS). It also briefly describes the characteristics and operating concepts of a computer-based telecommunications system.

TCAM is a complete, centralized, real-time telecommunications access method that controls allocation and use of remote station resources. TCAM facilities control the transfer, editing, and processing of data from remote stations. Variety, flexibility, and modularity of these TCAM facilities permit selection of the necessary support or any telecommunications application.

A basic knowledge of IBM System/360 and IBM System/370 machine concepts and data management techniques is required for an understanding of this publication.
Manual, 56 pages

GC30-2024 see page 330

GC30-2025

OS TCAM USER'S GUIDE (OS/MFT, /MVT: OS/VS1, /VS2)
PROG. NO. 360S-CQ-548; VS COMPONENTS 5741(62)-SC1-21

The TCAM User's Guide is for systems analysts and programmers who must design, write, and install a TCAM program. It is both a guide for diagnosis and a problem determination handbook. Information provided includes:

- o An overview of TCAM
- o Functional checklists for coding and diagnosing sections of a TCAM program
- o Coding considerations
- o Checklists of possible errors
- o How and when to dump TCAM and its service aids
- o How to read TCAM dumps
- o Relationships between OS and TCAM control blocks
- o A summary of TCAM macros and operands
- o A detailed description of each field in a TCAM formatted dump

Prerequisites:

IBM System/360 Operating System Telecommunication Access Method (TCAM) Concepts and Facilities, GC30-2022 OS TCAM Programmer's Guide and Reference Manual, GC30-2024. Manual, 238 pages

GC30-2026

IBM SYSTEM/360 OPERATING SYSTEM CONVERSION GUIDE FROM
QUEUED TELECOMMUNICATIONS ACCESS METHOD OR BASIC
TELECOMMUNICATIONS ACCESS METHOD TO TELECOMMUNICATIONS
ACCESS METHOD SYSTEM REFERENCE LIBRARY
PROGRAM NUMBER 360S-CQ-548

This publication provides a summary of the information needed to convert a QTAM or BTAM system to TCAM. It briefly describes the similarities and differences between QTAM and TCAM, and between BTAM and TCAM.

The first section describes QTAM macros, macro operands, service facilities, internals, and their TCAM replacements. A working knowledge of QTAM is required for understanding this part of the publication.

The second section describes BTAM macros, macro operands, additional facilities, and their TCAM equivalents. Concepts of TCAM as they relate to BTAM are provided as reprogramming aids. A working knowledge of BTAM is required for understanding this part of the publication.

Both sections are meant to be used in conjunction with the IBM SYSTEM/360 OPERATING SYSTEM TELECOMMUNICATIONS ACCESS METHOD (TCAM) PROGRAMMER'S GUIDE AND REFERENCE MANUAL (GC30-2024).
Manual, 34 pages

GC30-2028

PLANNING FOR TCAM WITH THE IBM 3705 COMMUNICATIONS
CONTROLLER
PROGRAM NUMBER 360S-CQ-548

This publication is a planning guide for managers and system programmers who wish to add the IBM 3705 Communications Controller to an existing TCAM system, or to install a TCAM system using the 3705 as a control unit.
Planning Guide, 28 pages

GC30-2034

OS/VS TCAM PROGRAMMER'S GUIDE, PROG. NO. 5744-AW1
This book is a coding guide of the programmer who must construct or modify a TCAM message control program (MCP), or who must write a TCAM-compatible application program. It explains how to write a TCAM MCP, how to write a TCAM-compatible application program, and how to use a variety of auxiliary service facilities. Also included is information that might be of use in planning and setting up a Teleprocessing system incorporating TCAM. The reader is expected to be familiar with the contents of the publication (OS TCAM Concepts and Facilities,) Order No. GC30-2022. Guide, 500 pages

GC30-2035

OS/VS1 TCAM LEVEL 2 COMPONENT RELEASE GUIDE
This publication contains changes and additions to OS/VS publications as a result of component release 2 of OS/VS1 TCAM. Publications affected are:

OS/VS1 System Messages - GC38-1001
OS/VS1 Storage Estimates - GC28-6551
OS/VS1 System Data Areas - GC28-6628

The material in this book is intended for the system programmer who must construct or modify a TCAM message control program, or an application programmer who must write a TCAM compatible application program. Guide, 32 pages

GC30-2036

OS/VS TCAM LEVEL 4 COMPONENT RELEASE GUIDE
This publication contains changes and additions to OS/VS publications as a result of component release 4 of TCAM. Publications affected are:

OS/VS Message Library: VS1 System Codes, GC38-1003
OS/VS Message Library: VS2 System Codes, GC38-1008
OS/VS Message Library: VS1 System Messages, GC38-1001
OS/VS Message Library: VS2 System Messages, GC38-1002
OS/VS1 Storage Estimates, GC24-5094
OS/VS2 Storage Estimates, GC28-0604
OS/VS1 System Data Areas, SY28-0605
OS/VS2 System Data Areas, SY28-0606
OS/VS2 TSO Guide, GC28-0644
OS/VS2 TSO Command Language Reference, GC28-0646

The material in this book is intended for the system programmer who must construct or modify a TCAM message control program, or an application programmer who must write a TCAM compatible application program. Manual, 70 pages

GC30-3000

IBM 3705 COMMUNICATIONS CONTROLLER NETWORK PROGRAM GENERATION AND UTILITIES GUIDE AND REFERENCE MANUAL

Provides the information necessary to (1) define and generate a network control program for the IBM 3705 Communications Controller, (2) load the program into the controller, and (3) dump the contents of controller storage. The network control program controls the transmission of data between the central processing unit to which the communications controller is attached, and the remote stations of a teleprocessing network. The program also performs limited message processing, such as inserting date and time information in message blocks.

This publication is directed to the systems analyst or systems programmer responsible for defining and generating a network control program and loading it into the communications controller. Note: This publication is a preliminary edition, and is to be used for planning purposes only. Any portion of the content is subject to change.

The publication is organized as follows:

Chapter 1 - introduces the network control program and summarizes the content of the book.
Chapter 2 - assists the programmer in defining a network control program.
Chapter 3 - gives detailed descriptions of the macro instructions with which the programmer defines the network control program.
Chapter 4 - describes the program generation procedure.
Chapters 5 and 6 - explain how to use the Loader and Dump utility programs, respectively.

The appendixes list the teleprocessing devices with which the communications controller can communicate using the network control program, and list the messages produced by the program generation procedure and utility programs.

Before using this publication the reader should be familiar with the contents of Introduction to the IBM 3705 Communications Controller, GA27-3051. Systems Library, 168 page

GC30-3001

IBM 3735 PROGRAMMER'S GUIDE (OS, DOS, AND VS SYSTEMS)

This publication provides system programmers, application programmers, and operators with the information they need to use IBM 3735 Programmable Buffered Terminal facilities in a teleprocessing system.

All readers should have a general knowledge of System/360 and System/370 data processing techniques in a teleprocessing environment. Those responsible for designing or installing part or all of a system that includes IBM 3735 terminals should have a detailed knowledge of teleprocessing systems.

All users of this book should be familiar with the information contained in IBM 3735 Programmable Buffered Terminal Concept and Application, GA27-3043, which describes the operating characteristics and features of the 3735 terminal. Programmer's Guide, 200 pages

GC30-3002

IBM 3705 COMMUNICATIONS CONTROLLED EMULATION PROGRAM GENERATION AND UTILITIES, GUIDE AND REFERENCE MANUAL PROGRAM NUMBERS 360H-TX-033, 035, 036; 5735-SC1; 5744-AM1

The purpose of this publication is to provide the information necessary to generate the IBM 3705 Emulation Program using emulation generation macro instructions. The book is intended for analysts and programmers responsible for generation and maintenance of Emulation Programs and for IBM systems engineers and field engineers.

The Emulation Program allows the 3705 Communications Controller to operate as an IBM 2701, 2702, or 2703 Transmission Control Unit, or any combination of the three. This publication describes the Emulation Program generation procedure, the loader utility, and the Dump utility. Error messages for each program are also provided. The prerequisite publication for this manual is Introduction to the IBM 3705 Communications Controller, GA27-3051. Manual, 84 pages

GC30-3003

IBM 3705 COMMUNICATIONS CONTROLLER ASSEMBLER LANGUAGE MANUAL - PROGRAM NUMBERS 360H-TX-035 (OS), 360H-TX-036 (DOS)

This publication is a reference manual for the systems programmer, the systems engineer and the applications programmer coding in the IBM Communications Controller Assembler Language.

The publication is similar to the IBM System/360 Operating System Assembler Language publication, GC28-6514. The Communications Controller Assembler is similar to the OS Assembler (level F) and the DOS Assembler (level D). The similarity is intended to aid the Communications Controller programmer who already has OS or DOS Assembler knowledge.

Chapter 1 introduces the assembler language and describes the major differences between the language and the OS and DOS Assembler language. Chapter 2 presents basic assembler language concepts. Chapter 3 describes instruction alignment, machine instruction mnemonics, machine formats and briefly describes the extended mnemonics.

Chapter 4 discusses the instructions to the assemblers, including symbol definition, data definitions, program sectioning and linkages, symbolic linkages, base register instructions, listing control and program control instructions. Chapter 5 describes the macro language and the procedures for its use.

Appendixes A through E contain a summary of assembler language features and usage. Appendix F describes the job control language and the storage requirements necessary to produce an assembly, and Appendix G contains messages and codes helpful in debugging a program.

Before using this publication, the reader should be familiar with basic programming concepts and techniques. The prerequisite publication is Introduction to the IBM 3705 Communications Controller, GA27-3051. Corequisite to this publication is the IBM 3705 Communications Controller Principles of Operation, GC30-3004.

The contents of this publication apply to both OS and DOS users unless noted differently in the text. Manual, 116 pages

GC30-3004

IBM 3705 COMMUNICATIONS CONTROLLER PRINCIPLES OF OPERATION

This reference publication contains the hardware operation and programming requirements of the IBM 3705 Communications Controller.

It is intended for any user of the 3705 who is attempting to write or modify a 3705 control program. The prerequisites for this manual are: (1) an understanding of basic teleprocessing operations, (2) a thorough knowledge of System/360 and System/370 channel operation, and (3) the publication Introduction to the IBM 3705 Communications Controller, GA27-3051. As a corequisite the reader is directed to the IBM 3705 Communications Controller Assembler Language manual, GC30-3003.

Descriptions of specific terminal devices and line interfaces used with the 3705 appear in separate publications. Other IBM publications concerning the 3705 Communications Controller are identified and described in the IBM System/360 Bibliography, GA22-6822. Manual, 166 pages

GC30-3005

IBM 3705 COMMUNICATIONS CONTROLLER EMULATION PROGRAM STORAGE AND PERFORMANCE REFERENCE MANUAL

This publication has two purposes (1) to assist you in determining the storage requirements for the IBM 3705 Emulation Program, and (2) to assist you in determining the 3705 line attachment capability and proper arrangement of lines on the Communications controller's internal priorities for best Emulation Program performance. The publication is intended for systems analysts and systems programmers responsible for defining and generating an Emulation

Program, and for IBM systems engineers and salesmen.

Chapter 1 summarizes the contents of the book. Chapter 2 defines storage requirements. Chapter 3 defines formulas and procedures for establishing line speeds and priorities for best performance.

You should be familiar with the information contained in the IBM 3705 Communications Contoller Emulation Program Generation and Utilities, Guide and Reference Manual, GC30-3002. A related publication is the IBM 3705 Communications Contoller Principles of Operation, GC30-3004. Manual, 30 pages

GC30-3006

IBM 3705 COMMUNICATIONS CONTROLLER NETWORK CONTROL PROGRAM STORAGE AND PERFORMANCE ESTIMATES - PROG. NO. 360H-TX-034
This publication is to be used for planning a network configuration for the IBM 3705 Communications Contoller Network Control Program and for determining storage requirements for that program.

The publication was written for systems analysts, systems programmers, IBM systems engineers, and IBM salesmen who are planning for network control program storage requirements and performance.

The first section of the manual shows how to determine total storage by first determining the individual requirements for base and use coding, line and device support, tables, control blocks, buffers, and optional system functions.

The second section describes the system generation operands and the various combinations of line speeds and priorities that affect performance. Prerequisite publication: IBM 3704 and 3705 Communications Contoller Network Control Program Generation and Utilities Guide and Reference Manual, GC30-3000. Manual, 44 pages

GC30-5001

IBM SYSTEM/360 DISK OPERATING SYSTEM BASIC TELECOMMUNICATIONS ACCESS METHOD PROGRAM NUMBER 360N-CQ-469

This publication describes the Basic Telecommunications Access Method (BTAM) used with the System/360 Disk Operating System (DOS) control program. BTAM provides READ/WRITE level macro instructions for the assembler-language programmer who is implementing programs for telecommunications applications.

Included are macro instruction formats and descriptions and specific information on device-dependent considerations. Systems Reference Library Manual, 192 pages

GC30-5003

DOS QTAM MESSAGE PROCESSING SERVICES, PROG. NO. 360N-CQ-470
This publication provides information on use of the Queued Telecommunications Access Method (QTAM) and the System/360 Disk Operating System for a telecommunications application. Services provided by QTAM in support of a message processing program are described in detail, including the facilities provided to establish the interface to a QTAM message control program and to examine and modify the telecommunications system.

The QTAM facilities provided for the construction of a message control program are presented in IBMs publication GC30-5004, System/360 DOS QTAM Message Control Program.

For titles and abstracts of other associated publications, see the IBM System/360 Bibliography (GA22-6822). Manual

GC30-5004

IBM SYSTEM/360 DISK OPERATING SYSTEM QTAM MESSAGE CONTROL PROGRAM PROGRAM NUMBER 360N-CQ-470

This reference publication contains specifications for the use of the Queued Telecommunications Access Method (QTAM) and of the IBM System/360 Disk Operating System in a telecommunications application. Complete description of QTAM macro instructions are included along with information to aid the problem programmer in constructing a QTAM message control program.

For detailed information on the services provided by QTAM to support a message processing program, refer to the publication IBM SYSTEM/360 DISK OPERATING SYSTEM, QTAM MESSAGE PROCESSING PROGRAM SERVICES Form C30-5003.

For titles and abstracts of other associated publications, see IBM SYSTEM/360 BIBLIOGRAPHY (GA22-6822). Systems Reference Library Manual, 224 pages

GC33-0001

OS PL/I OPTIMIZING COMPILER: GENERAL INFORMATION MANUAL PROGRAM NUMBER 5734-PL1

This manual introduces and describes the compiler and the associated resident and transient libraries. The information is provided for use as a planning aid only, and is intended to assist both existing and prospective users of PL/I. Topics covered in the manual include:

- o Design philosophy and performance of the compiler
- o Optimization facilities provided
- o Comparison with the PL/I (F) Compiler
- o Machine and system requirements of the compiler
- o Summary of the PL/I language implemented

o Bibliography of related publications

The reader is assumed to be familiar with PL/I and with the Operating System.

Program product manual, 44 pages

GC33-0003

OS PL/I CHECKOUT COMPILER: GENERAL INFORMATION PROGRAM NUMBERS 5734-PL2, 5734-LM4

This manual introduces and describes the compiler and the associated resident and transient libraries. The information is provided for use as a planning aid only, and is intended to assist both existing and prospective users of PL/I. Topics covered in the manual include:

- o Design philosophy and performance of the compiler
- o Compiler options provided
- o Summary of the PL/I language implemented
- o Comparison with the PL/I (F) Compiler
- o Machine and system requirements of the compiler
- o Discussion of the complementary use of the PL/I Checkout and PL/I Optimizing Compilers
- o Bibliography of related publications

The reader is assumed to be familiar with PL/I and with the Operating System. Manual, 58 pages

GC33-0004

DOS PL/I OPTIMIZING COMPILER: GENERAL INFORMATION MANUAL - PROG. PROD. 5736-PL1

This manual introduces and describes the compiler and the associated resident and transient libraries. The information is provided for use as a planning aid only, and is intended to assist both existing and prospective users of PL/I.

Topics covered in the manual include:

- . Design philosophy and performance of the compiler
- . Optimization facilities provided
- . Comparison with the PL/I D Compiler
- . Machine and system requirements of the compiler
- . Summary of the PL/I language implemented
- . Bibliography of related publications

The reader is assumed to be familiar with PL/I and with the Disk Operating System. Manual, 48 pages

SC33-0005

DOS PL/I OPTIMIZING COMPILER: LANGUAGE REFERENCE MANUAL PROGRAM NOS. 5736-PL1, AND 5736-PL3

This publication is the primary source of information on the language implemented by the DOS PL/I Optimizing Compiler. It is a reference manual rather than a tutorial text, and the reader is assumed to have some previous knowledge of PL/I.

The manual contains information on how to write a PL/I source program. For information on how to compile, link-edit, and execute the program, reference should be made to DOS PL/I Optimizing Compiler: Programmer's Guide (SC33-0008). SRL, 472 pages

SC33-0006

OS PL/I OPTIMIZING COMPILER - PROGRAMMER'S GUIDE PROGRAM NUMBERS 5734-PL1, 5734-LM4, 5734-LM5

This manual is a companion volume to OS PL/I Optimizing and Checkout Compilers: Language Reference Manual (SC33-0009) and OS/360 Time Sharing Option: PL/I Optimizing Compiler (SC33-0029). The three manuals form a guide to the writing and execution of PL/I programs using the optimizing compiler and the associated resident and transient libraries in the batch and time-sharing environments of the IBM Operating System.

The programmer's guide is concerned with the relationship between a PL/I program, the optimizing compiler, and the operating system. It explains how to compile, link-edit, and execute a program in a batch environment, and it introduces job control language, the linkage editor, and the loader, data management, and other operating system features that may be required by a PL/I programmer.

SRL Manual, 248 pages

SC33-0007

SYSTEM/360 OPERATING SYSTEM PL/I CHECKOUT COMPILER PROGRAMMER'S GUIDE - PROGRAM NUMBERS 5734-PL2, 5734-LM5

This manual is a companion volume to OS PL/I Optimizing and Checkout Compilers: Language Reference Manual, Order No. SC33-0009, and the OS Time Sharing Option: PL/I Checkout Compiler, Order No. SC33-0033. The three manuals form a guide to the writing and execution of PL/I programs using the checkout compiler and the transient library in the batch and time-sharing environments of the IBM Operating System.

The programmer's guide is concerned with the relationship between a PL/I program, the checkout compiler, and the operating system. It explains how to use the checkout compiler to run a PL/I program in a batch environment, and introduces job control language, the linkage editor, the loader, data management, and other operating system features that may be required by a PL/I

programmer.
Programmer's Guide, 216 pages

SC33-0008

DOS PL/I OPTIMIZING COMPILER: PROGRAMMER'S GUIDE
PROG. PROD. 5736-PL1
This manual is a companion volume to the DOS PL/I Optimizing Compiler: Language Reference Manual (Order Number SC33-0005). The two manuals form a guide to the writing and execution of PL/I programs using the optimizing compiler and the associated resident and transient libraries under the IBM System/360 Disk Operating System.
The programmer's guide is concerned with the relationships between a PL/I program, the optimizing compiler, and the operating system. It explains how to compile, link-edit, and execute a PL/I program, and it introduces job control language, the linkage editor, data management, and other operating system features that may be required by a PL/I programmer.
Manual, 192 pages

SC33-0009

OS PL/I OPTIMIZING AND CHECKOUT COMPILER
LANGUAGE REFERENCE MANUAL
PROGRAM NUMBERS 5734-PL1, 5734-PL2, 5734-PL3
This publication is the primary source of information on the language implemented by the OS PL/I Optimizing and Checkout Compilers. It is a reference manual rather than a tutorial text, and the reader is assumed to have some previous knowledge of PL/I.
The manual contains information on how to write a PL/I source program. For information on how to compile, link-edit, and execute the program, reference should be made to the appropriate programmer's guide.
Manual, 526 pages

GC33-0010

DOS PL/I OPTIMIZING COMPILER PROGRAM PRODUCT DESIGN
OBJECTIVES - PROGRAM NUMBER 5736-PL1
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.
Flyer, 3 pages

GC33-0013

IBM SYSTEM/360 OPERATING SYSTEM PL/I OPTIMIZING COMPILER
DESIGN OBJECTIVES - PROGRAM NUMBER 5734-PL1
The Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product.
Design Objectives, 2 pages

GC33-0016

DOS PL/I OPTIMIZING COMPILER PROGRAM PRODUCT SPECIFICATIONS
PROGRAM NUMBER 5736-PL1
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Two Sheets

GC33-0017

DOS PL/I RESIDENT LIBRARY PROGRAM PRODUCT SPECIFICATIONS
PROGRAM NUMBER 5736-LM4
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Single Sheet

GC33-0018

DOS PL/I TRANSIENT LIBRARY PROGRAM PRODUCT SPECIFICATIONS
PROGRAM NUMBER 5736-LM5
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Single Sheet

SC33-0019

DISK OPERATING SYSTEM/360 PL/I OPTIMIZING COMPILER:
EXECUTION LOGIC PROGRAM NUMBERS 5736-PL1, 5736-LM4,
5736-LM5
This publication describes the object module produced by the DOS PL/I Optimizing Compiler, and explains how the compiled code uses subroutines from the resident and transient libraries of the optimizing compiler.
The topics covered include program initialization, storage management, input/output, error handling, and interlanguage communication. The use of storage dumps for debugging is also explained.
The manual is intended primarily for programmers concerned with maintenance of the compiler and its libraries. It will also be useful for applications programmers who require an understanding of the processes of execution (for example, to link PL/I and Assembler-language routines).
SRL Manual, 284 pages

SC33-0020

DOS PL/I OPTIMIZING COMPILER: INSTALLATION
PROGRAM NOS. 5736-PL1, LM4, LM5,
NOTE: THESE PRODUCTS ARE ALSO DISTRIBUTED AS COMPOSITE
PACKAGE 5736-PL3
This publication is intended primarily for programmers responsible for installing the OS PL/I Optimizing Compiler and the associated resident and transient libraries.
It gives detailed information on Installation Procedures and Storage Estimates.
Manual, 84 pages

SC33-0021

DOS PL/I OPTIMIZING COMPILER: MESSAGES MANUAL, PROG. PROD.
5736-PL1, 5736-LM5
This manual lists all the messages that may be issued by the DOS PL/I Optimizing Compiler during processing of a PL/I Program. Where appropriate, explanations, examples, and suggested programmer responses are included.
Manual, 160 pages

GC33-0022

SYSTEM/360 OS PL/I OPTIMIZING COMPILER
PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-PL1
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Flyer, 2 sheets

GC33-0023

OS PL/I RESIDENT LIBRARY - PROGRAM PRODUCT SPECIFICATIONS
PROGRAM NUMBER 5734-LM4
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Flyer, 1 sheet

GC33-0024

OS PL/I TRANSIENT LIBRARY - PROGRAM PRODUCT SPECIFICATIONS
PROGRAM NUMBER 5734-LM5
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Flyer, 1 sheet

SC33-0025

OS PL/I OPTIMIZING COMPILER: EXECUTION LOGIC PROGRAM NOS.
5734-PL1, 5734-LM4 AND 5734-LM5
This publication describes the object module produced by the OS PL/I Optimizing Compiler, and explains how the compiled code uses subroutines from the resident and transient libraries of the optimizing compiler.
The topics covered include program initialization, storage management, input/output, error handling, and interlanguage communication. The use of storage dumps for debugging is also explained.
The manual is intended primarily for programmers concerned with maintenance of the compiler and its libraries. It will also be useful for applications programmers who require an understanding of the processes of execution (for example, to link PL/I and Assembler-language routines).
Systems Library, 364 pages

SC33-0026

SYSTEM/360 OPERATING SYSTEM PL/I OPTIMIZING COMPILER:
SYSTEM INFORMATION - PROGRAM NUMBERS 5734-PL1, 5734-LM4,
5734-LM5
This publication is intended primarily for programmers responsible for installing the OS PL/I optimizing compiler and the associated transient and resident libraries. It is divided into two independent sections which give detailed information on Storage Estimates and Installation Procedures.
SRL Manual, 72 pages

SC33-0027

OPERATING SYSTEM PL/I OPTIMIZING COMPILER: MESSAGES
PROG. NOS. 5734-PL1, 5734-LM5
This publication lists all the messages that may be issued by the OS PL/I Optimizing Compiler and the associated transient library during processing of a PL/I program. Both the long and short forms of each message are listed where applicable. The messages are in three groups:
o Compile-time messages (generated by the compiler during compilation of a PL/I source program)
o Execution-time messages (generated by the transient library during execution of the compiled program)
o Prompter messages (generated by the compiler when it is used in a time-sharing environment)
Where appropriate, explanations of the messages and suggested programmer responses are included.
System Reference Library Manual, 220 pages

SC33-0029

OS TIME SHARING OPTION: PL/I OPTIMIZING COMPILER, PROG. NOS.
5734-PL1, -LMA, AND -LM5 OR (COMPOSITE PACKAGE) 5734-PL3
This manual is a companion volume to OS PL/I Optimizing and

Checkout Compilers: Language Reference Manual (SC33-0009) and OS PL/I Optimizing Compiler: Programmer's Guide (SC33-0006). The three manuals form a guide to the writing and execution of PL/I programs using the optimizing compiler and the associated resident and transient libraries in the batch and time-sharing environments of the operating system. This manual is written in two parts:

- o User's Guide: An explanation of how to use the compiler in a time-sharing (TSO) environment, and a description of the conversational I/O feature of the compiler.
- o Command Language: A description of the PL/I command and its operands.

The manual is designed so that it can be used independently, or its two parts included in the TSO publications Terminal User's Guide (GC28-6763) and Command Language Reference (GC28-6732), respectively.
System Reference Library Manual, 52 pages

GC33-0030

OS PL/I CHECKOUT COMPILER - PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5734-PL2
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Program Product Specifications, 4 sides

SC33-0031

OS PL/I CHECKOUT COMPILER: INSTALLATION - PROGRAM PRODUCTS 5734-PL2 AND 5734-LM5

This publication is intended primarily for programmers responsible for installing the OS PL/I Checkout Compiler and the associated transient library. It is divided into three parts which give detailed information on Installation Procedures and Storage Estimates.
Manual, 72 pages

SC33-0032

SYSTEM/360 OPERATING SYSTEM PL/I CHECKOUT COMPILER EXECUTION LOGIC MANUAL - PROGRAM NUMBERS 5734-PL2 5734-LM5

The PL/I Checkout Compiler operates in two distinct stages: translation and interpretation. During translation, the original PL/I source program is converted into an intermediate code. During interpretation, this code is interpreted to achieve the effect of object-time execution.

This manual describes those aspects of interpretation which are common to all PL/I programs processed in this way. The topics covered include program initialization; input/output; storage management; error handling; conversational processing; the use of storage dumps for debugging; and interlanguage communication.

The manual is intended primarily for programmers responsible for the maintenance of the compiler and its library. It will also be useful for application programmers who require an understanding of the process of execution.
Manual, 280 pages

SC33-0033

OS TIME SHARING OPTION: PL/I CHECKOUT COMPILER

This manual is a companion volume to OS PL/I Optimizing and Checkout Compilers: Language Reference Manual (SC33-0009) and OS PL/I Checkout Compiler: Programmer's Guide (SC33-0007). The three manuals form a guide to the writing and execution of PL/I programs using the checkout compiler and the associated transient library in the batch and time-sharing environments of the operating system. This manual comprises two parts:

- o User's Guide: An explanation of how to use the compiler in a time-sharing (TSO) environment, and a description of the conversational I/O and conversational checkout features of the compiler.
- o Command Language: A description of the PLIC command and its operands and subcommands.

The manual is designed so that it can be used independently or its two parts included in the TSO publications Terminal User's Guide GC28-6763) and Command Language Reference (GC28-6732), respectively.
Manual, 88 pages

SC33-0034

SYSTEM/360 OPERATING SYSTEM PL/I CHECKOUT COMPILER: MESSAGES MANUAL - PROGRAM NUMBERS 5734-PL2, 5734-LM5

This manual is an essential source of reference for users of the PL/I checkout compiler in either the batch or TSO environment. It describes the components of the messages that can be produced by the compiler when processing a PL/I program. Then it lists each message and provides additional information in many cases.

The messages are divided into two groups -- those that can be produced by the compiler during preprocessing, translation, and interpretation (in conjunction with the PL/I Transient Library), and those that can be produced by the PL/I Prompter when invoking the compiler in a TSO environment.

As users of the PL/I checkout compiler, readers should have an understanding of the information in the PL/I Optimizing and Checkout Compilers Language Reference Manual (SC33-0009), and the PL/I Checkout Compiler Programmer's

Guide, (SC33-0007), and also, for TSO users, the manual TSO: PL/I Checkout Compiler (SC33-0033).
Manual, 180 pages

SC33-0035

DOS PL/I TRANSIENT LIBRARY: MESSAGES SYSTEM LIBRARY MANUAL PROGRAM NUMBER 5736-LM5

Lists all the messages that may be issued by the DOS PL/I Transient Library during execution of the program compiled by the DOS PL/I optimizing compiler. Where appropriate, explanations, examples, and suggested programmer responses are included.
Manual, 44 pages

GC33-0036

PL/I UNDER CMS - PROGRAM PRODUCT DESIGN OBJECTIVES: PL/I OPTIMIZING COMPILER, PROG. NO. 5734-PL1

PL/I RESIDENT LIBRARY, PROG. NO. 5734-LM4

PL/I TRANSIENT LIBRARY, PROG. NO. 5734-LM5

This flyer spells out the design objectives of PL/I to be available under CMS.
Flyer, 1 page

SC33-0037

OS PL/I OPTIMIZING COMPILER: CMS USERS GUIDE - PROGRAM NUMBER 5734-PL1

This manual provides the information required to use the OS PL/I Optimizing Compiler under CMS. Using the OS PL/I Optimizing Compiler under CMS allows PL/I source programs to be compiled, debugged, and executed from a terminal with the maximum efficiency.

The book is intended for all programmers who use the OS PL/I Optimizing Compiler under CMS. It contains a brief tutorial introduction followed by reference data covering:

1. The syntax and options of PLIOPT, the command that invokes the OS PL/I Optimizing Compiler.
2. The compile-time and execution-time options that can be used with the OS PL/I Optimizing Compiler.
3. The restrictions that apply to PL/I when it is used under CMS.

Manual, 76 pages

GC33-2000

IBM SYSTEM/360 CONVERSION AIDS: ALGOL-TO-PL/I LANGUAGE CONVERSION PROGRAM FOR IBM SYSTEM/360 OPERATING SYSTEM, PROGRAM NUMBER 360C-CV-711

This document provides information on the ALGOL-to-PL/I Language Conversion Program for IBM System/360.

The System/360 ALGOL-to-PL/I Language Conversion Program (LCP) assists in the transition to PL/I by converting System/360 operating System ALGOL programs into PL/I programs. The LCP itself is written in System/360 Operating System PL/I language. It is distributed in object module form for inclusion in the user's system library.
Systems Reference Library Manual, 68 pages

GC33-2002

IBM SYSTEM/360 CONVERSION AIDS: FORTRAN IV-TO-PL/I LANGUAGE CONVERSION PROGRAM FOR IBM SYSTEM/360 OPERATING SYSTEM - SRL MANUAL - PROGRAM NUMBER 360C-CV-710

The System/360 FORTRAN IV-to-PL/I Language Conversion Program (LCP) assists in the transition to PL/I by converting FORTRAN IBM programs into PL/I programs. The LCP is distributed in object module form for inclusion in the user's system library.

The user should have an understanding of the System/360 Operating System and be familiar with the following publications:

- IBM System/360 FORTRAN IV Language, Form GC28-6515
- IBM System/360 Basic FORTRAN IV Language, Form GC28-6629
- IBM System/360 Operating System, PL/I (F) Programmer's Guide, Form GC28-6594

A Guide to PL/I for FORTRAN Users, Form SC20-1637

IBM System/360, PL/I Reference Manual, Form GC28-8201
Manual, 76 pages

GC33-2003

IBM SYSTEM/360 CONVERSION AIDS: THE 1410/7010 SIMULATOR FOR IBM SYSTEM/360, PROGRAM NUMBER 360C-SI-754

This document provides information on the 1410/7010 Simulator for the IBM System/360, and is directed to the user who is replacing his IBM 1410/7010 Data Processing System with an IBM System/360 Model 40, 50, 65, or 75. Simulation is a technique which uses System/360 instruction sequences to perform the functions of 1410/7010 instructions, thus permitting the user to execute object programs written for the 1410/7010.
Systems Reference Library Manual, 60 pages

GC33-2004

1401/1440/1460/DOS EMULATOR ON MODELS 135/145/155 REFERENCE MANUAL - PROGRAM NUMBER 370N-EU-490

This publication describes the 1401/1440/1460 Emulator Program, an "integrated emulator" program executed under control of DOS. It is a multi-purpose document covering several topics related to the emulator. Included is information about Physical Planning, generation and

execution of the emulator, data processing, and what is emulated and what is not. The difference between the emulator and the 1400 series program is also explained as well as how to communicate with it. Charts, tables and a glossary are included.
Manual, 125 pages

GC33-2005

1410/7010 DOS EMULATOR ON MODELS 145/155 REFERENCE MANUAL PROGRAM NUMBER 370N-EU-490
This publication describes the 1410/1710 Emulator Program, and "integrated emulator" program executed under control of DOS. It is a multi-purpose document covering several topics related to the emulator. Included is information about Physical Planning, considerations, data processing, generation, execution and communications with the emulator.
Manual, 106 pages

GC33-2006

MODEL 20 DOS EMULATOR ON SYSTEM/360 REFERENCE MANUAL
This publication provides information about the System/360 Model 20 Emulator Program for the System/370 Models 135 and 125. The emulator program is executed as a problem program under control of DOS (version 4) on the IBM Compatibility Feature #7520. Using the emulator program and the compatibility feature, the System/370 Model 135 or 125 can execute Model 20 Data Processing System.
It also provides information about Device Independence, the ability to execute Model 20 unit record operations using the System/370 tape and disk units.
Manual

GC33-2007

SYSTEM/360 MODEL 20 TO SYSTEM/370 MODEL 125 TRANSITION GUIDE
This publication is intended as an aid to management in making the transition from the System/360 Model 20 to the System/370 Model 125. It discusses factors that must be considered long before the Model 125 is delivered and should be used during the planning stages as a guide for a total transition plan. It presents the factors which managers are likely to encounter in the course of the change-over and suggests possible solutions to some of the problems. It does not attempt to solve particular problems of individual situations.
Manual, 73 pages

GC33-2008

1401/1440/1460 OS EMULATOR ON SYSTEM/370 REFERENCE - PROGRAM NO. 360C-EU-735 (MFT/MVT); 5744-AH1 (VS)
This manual describes the IBM 1401/1440/1460 Emulator Program for the IBM System/370 Models 135/145/155, and provides the information needed to use the program. The emulator program runs as a problem program under the OS/MFT, OS/MVT, OS/VS1, and OS/VS2 control programs and executes programs written for the IBM 1401, 1440, and 1460 Data Processing Systems (the Model 135 must be equipped with IBM Compatibility Feature #4457; the Model 145 with IBM Compatibility Feature #4457 or #4458; the Model 155 with IBM Compatibility Feature #3950). Note that OS/MFT and OS/VS2 do not run on the Model 135, and that information on the use of OS/VS1 and OS/VS2 on the Model 155 is for planning purposes only.

Also described in this manual are three programs that are distributed with the emulator, the tape preprocessor program, the tape postprocessor program, and the disk formatting program. These programs handle compatibility between 1401/1440/1460 data format and System/370 data formats for tape and disk.

The manual contains information for system planners and programmers on how to plan, generate, use, and modify the emulator; for programmers on how to process 1401/1440/1460 data and execute the emulator; and for operators on how to communicate with the emulator. All messages issued by the emulator and the data manipulation programs are included as an appendix.

Programmers and planners should be familiar with the IBM 1401/1440/1460 Data Processing Systems and with the appropriate OS control program.
Manual, 136 pages

GC33-2009

1410/7010 EMULATOR ON SYSTEM/370 145/155 - REFERENCE, PROG. NOS. 360C-EU-736 AND 5744-AG1
This manual describes the IBM 1410/7010 Emulator Program for the IBM System/370 Models 145/155, and provides the information needed to use the program. The emulator program runs as a problem program under the OS/MFT, OS/MVT, OS/VS1, and OS/VS2 control programs and executes programs written for the IBM 1410 and 7010 Data Processing systems (the Model 145 must be equipped with IBM Compatibility Feature #4457 or #4458; the Model 155 with IBM Compatibility Feature #3950). Note that information on the use of OS/VS1 and OS/VS2 on the Model 155 is for planning purposes only.

Also described in this manual are three programs that are distributed with the emulator - the tape reprocessor program, the tape postprocessor program, and the disk formatting program. These programs handle compatibility between 1410/7010 data formats and System/370 data formats

for tape and disk.

The manual contains information for system planners and programmers on how to plan, generate, use, and modify the emulator; for programmers on how to process 1410/7010 data and execute the emulator; and for operators on how to communicate with the emulator. All messages issued by the emulator and the data manipulation programs are included as an appendix.

Programmers and planners should be familiar with the IBM 1410/7010 Data Processing Systems and with the appropriate OS control program.
Manual, 144 pages

GC33-2010

MODEL 20 EMULATOR ON SYSTEM/370 USING DOS AND DOS/VS PLANNING - PROGRAM NUMBER 370N-IC-002
This publication provides planning information about the System/360 Model 20 Emulator Program for the System/370 Models 135, 125, and 115. The emulator program is executed as a problem program under control of DOS or DOS/VS on a System/370 Model 135, 125, or 115 equipped with the IBM Compatibility Feature Number 7520. Using the emulator program and the compatibility feature, the System/370 Model 135, 125, or 115 can execute programs written for the System/360 Model 20 Data Processing System.
It also provides planning information about Device Independence, the ability to execute Model 20 unit record operations using the System/370 tape and disk units, and the Data Interchange program that creates DOS disk files from Disk Programming System files, or the reverse.
The information in this publication is intended for installation personnel responsible for selecting, evaluating, and implementing System/370 Model 135, 125, or 115 configurations.
Manual, 36 pages

GC33-4000

IBM SYSTEM/360 OPERATING SYSTEM ALGOL PROGRAMMER'S GUIDE PROGRAM NUMBERS 360S-AL-531, 360S-LM-532
This publication describes how to compile, linkage edit and execute a program written in the System/360 Operating System Algorithmic Language (ALGOL). It includes an introduction to the operating system and a description of the information listings that can be produced, the job control language, and the subroutine library. The intended audience for this publication are Applications Programmers, System Programmers, and IBM System Engineers. The second edition includes new information about the loader and changes to the job control language.
SRL Manual, 83 pages

SC33-4004

OS SORT/MERGE SYSTEM INFORMATION: SYSTEM GENERATION/INSTALLATION, STORAGE REQUIREMENTS, MESSAGES - PROG. NO. 5734-SM1
This publication describes how to generate the sort/merge program 5734-SM1, what its storage requirements are, and the messages issued by it. The system information for the sort/merge program is presented in three self-contained modules: System Generation/Installation, Storage Requirements, and Messages. The reader may also need IBM System/360 Operating System Sort/Merge Programmer's Guide (SC33-4007) and IBM System/360 Operating System: Utilities (GC28-6550) for reference or review.
Program Product Manual, 74 pages

GC33-4006

IBM SYSTEM/360 OPERATING SYSTEM, SORT/MERGE PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-SM1
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Program Product Specifications, 2 pages

SC33-4007

IBM SYSTEM/360 OPERATING SYSTEM, SORT/MERGE PROGRAMMER'S GUIDE - PROGRAM NUMBER 5734-SM1
This manual describes how to use the IBM System/360 Operating System Sort/Merge Program (Program Number 5734-SM1). It is intended for programmers who wish to sort (arrange in a given order) or merge records (create one sorted sequence of records from two or more sorted sequences).

The major topics covered in this manual are: sort/merge program control statements and job control language (JCL) statements required by the program; linking user exit routines to the sort/merge program; and achieving maximum program efficiency.

To use this manual you should already have a basic understanding of the operating system and its job control language. You should have the following manuals available for reference or review:

IBM SYSTEM/360 OPERATING SYSTEM:
CONCEPTS AND FACILITIES, Order Number GC28-6535
JOB CONTROL LANGUAGE USER'S GUIDE,
Order Number GC28-6703
Program Product Manual, 120 pages

GC33-4010

OS/VS AND DOS/VS ASSEMBLER LANGUAGE

This is a reference manual for the OS/VS and DOS/VS assembler language. It will enable you to answer specific questions about language functions and specifications. In many cases it also provides information about the purpose of the instruction you refer to, as well as examples of its use. The manual is not intended as a text for learning the assembler language.

The assembler language is a symbolic programming language which allows the use of alphabetic and numeric characters to represent machine instructions and related data. Using symbolic language instead of the binary 1s and 0s required when coding in machine language makes coding easier to write, understand, and change. Either the OS/VS or the DOS/VS assembler can process a program written in assembler language to produce output in machine language suitable for linkage editing and subsequent execution. The book is divided into four parts:

- Part I: Coding and Structure
- Part II: Function and Coding of Machine Instructions
- Part III: Functions of Assembler Instructions
- Part IV: The Macro Facility

The first part describes the statements, character set, terms, literals, and expressions that make up the assembler language, and give the rules and conventions for writing code. The second part describes the alignment, statement formats, mnemonic operations codes, and operand entries of machine instructions. The third part describes the assembler instructions used for program sectioning, addressing, symbol and data definition, and then describes the macro definition, the macro instruction, and the conditional assembly language, a language that can alter the contents and sequence of the output produced by the assembler.

Manual, 450 pages

GC33-4014

IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER (E) INSTALLATION GUIDE PROGRAM NUMBER 360S-AS-036

This publication contains information needed for incorporating the Assembler (E) contained in the Assembler (E) Independent Component Release Package into the Operating System. It describes the distribution tape and gives detailed instructions for including the component into the system. The publication is intended for system support personnel with a good knowledge of the IBM System/360 Operating System.

Systems Reference Library Manual, 12 pages

GC33-4015

IBM SYSTEM/370 MODEL 155 SORT/MERGE TIMING ESTIMATES PLANNING GUIDE PROGRAM NUMBER 360S-SM-023

This publication gives estimated execution times of the sort/merge program (360S-SM-023) on the IBM System/370 Model 155 Central Processing Unit. Times are shown for sorting applications using various main-storage sizes and record lengths. The assumptions made in calculating the timing estimates are described.

Manual, 28 pages

GC33-4017

IBM SYSTEM/360 DOS SORT MERGE DESIGN OBJECTIVES PROG. NO. 5743-SM1

The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.

Program Product Design Objectives, 2 pages

SC33-4018

DOS SORT/MERGE PROGRAMMER'S GUIDE - PROGRAM NUMBER 5743-SM1

This manual enables a programmer to prepare input to perform a sort or merge using program product 5743-XM1, and to link to the program his own assembler-language routines to perform such tasks as summarizing, altering, inserting or deleting records. Specifically, it describes:

- o Program Organization
- o Environmental requirements
- o Label processing
- o Control statements
- o Program Modification
- o Linking to user routines
- o Efficiency considerations
- o Storage requirements
- o Program initiation
- o Compatibility/conversion aids

It also lists messages produced by the program, and describes the appropriate responses.

The user should have a good understanding of the Disk Operating System and its job control language.

Manual, 134 pages

GC33-4019

DOS SORT/MERGE SPECIFICATIONS - PROGRAM NUMBER 5743-SM1

Summarizes the functions and hardware requirements of the program, lists reference material, and outlines compatibility/conversion features.

Specifications, 2 pages

GC33-4020

IBM SYSTEM/360 DISK OPERATING SYSTEM SORT/MERGE GENERAL INFORMATION, PROGRAM NUMBER 5743-SM1

This publication provides general information about the IBM System/360 Disk Operating System Sort/Merge Program Product. It describes:

- o Program Organization
- o Control Statement Formats
- o User Exit Facilities
- o Label Handling Requirements
- o Program Performance Characteristics

Program Product Manual, 20 pages

GC33-4021

OS/VS ASSEMBLER PROGRAMMER'S GUIDE - SYSTEM LIBRARY

This manual complements OS/VS and DOS/VS Assembler Language, Order No. GC33-4010. It is intended for the programmer writing assembler-language programs to be run under OS/VS.

The manual contains the following major sections:

- o Job control statements to run the assembler
- o Including macro definitions in a library
- o Interpreting the assembler listing
- o Programming considerations

Other topics, covered in appendices, are assembler data set requirements, the object module produced by the assembler, invoking the assembler dynamically, and the assembler error messages. Prerequisite reading is Introduction to OS and OS/VS and DOS/VS Assembler Language.

Manual, 148 pages

GC33-4022

SYSTEM/360 OPERATING SYSTEM SORT/MERGE GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5734-SM1

This publication provides an introduction to the IBM OS Sort/Merge Program Product (Program # 5734-SM1). It is intended as a source of general information for people involved in planning, managing, system support, or programming at an installation.

This publication gives a general description of the sort/merge program -- how it is installed, the functions it provides, and the control statements used to request these functions -- as well as its relationship to OS, and the machine environment. This manual also includes compatibility and conversion considerations and timing estimates.

Manual, 112 pages

SC33-4023

DOS SORT/MERGE INSTALLATION REFERENCE MANUAL PROGRAM NUMBER 5743-SM1

This manual provides the information necessary to install and test program number 5743-SM1:

- a) Hardware requirements
- b) Installation procedures, including a list of the relocatable modules and an explanation of the use of the calling books
- c) Sample problems: how to use them, and what they do.

The user should have a good understanding of the Disk Operating System and of DOS and TOS assembler language.

Manual, 52 pages

GC33-4027

DOS/VS SORT/MERGE DESIGN OBJECTIVES - PROGRAM PRODUCT 5746-SM1

The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.

Flyer, 1 page

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SC33-4029

OS TSO ASSEMBLER PROMPTER INSTALLATION REFERENCE MANUAL PROGRAM NUMBER 5734-CP2

This publication contains information about the installation and operation of the TSO Assembler Prompter. It is intended for personnel responsible for installing and maintaining the prompter.

The TSO Assembler Prompter is a program product which provides TSO users with a convenient method of invoking the assembler. It operates only in the TSO foreground and consists of a TSO command processor which constructs the parameter list for the appropriate assembler (OS/MVT or OS/VS), invokes the assembler in the system, and passes the necessary data to it.

The main part of this publication is divided into three sections:

- Storage Requirements
- Installation Procedure
- System Information

Prerequisite Publications

Readers are assumed to be familiar with the information in these publications:

- OS/MVT: Utilities, Order No. GC28-6586
JCL Reference, Order No. GC28-6704
- OS/VS: Utilities, Order No. GC35-0005
JCL Reference, Order No. GC28-0618

Related Publication:

OS TSO Assembler Prompter User's Guide, Order No.
SC26-3740
Manual, 24 pages

GC33-4030

DOS/VS SORT/MERGE GENERAL INFORMATION - PROGRAM NUMBER 5746-SM1

This manual gives general information for use in planning the installation and use of the Program Product DOS/VS Sort/Merge.

Manual, 32 pages

GC33-5000

IBM SYSTEM/360 DISK OPERATING SYSTEM ASCII MAGNETIC TAPE UTILITIES PROGRAM NUMBER 5736-UT2

This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product. Design Objectives Sheet, 2 pages

SC33-5001

IBM SYSTEM/360 DOS ASCII MAGNETIC TAPE UTILITIES PROGRAM GUIDE - PROGRAM NUMBER 5736-UT2

These ASCII Magnetic Tape Utility programs provide the DOS user with a set of utility programs for data files coded in ASCII (the American National Standard Code for Information Interchange). The functions provided by these programs include comparing tape files on one or more reels, and file-to-file transfer between magnetic tape, DASD, printer, and card devices. Translation between ASCII and EBCDIC is automatically performed by the system where necessary.

This programming guide is intended for use by programming personnel responsible for utility applications. It explains how to prepare the utility modifier and field select statements and the control information necessary to run these utilities. Job control examples, program messages, operator messages, and the ASCII/EBCDIC conversion tables are included. The programs discussed are the card-to-tape, data cell-to-tape, disk-to-tape, tape-to-card, tape-to-data cell, tape-to-disk, tape-to-printer, tape-to-tape, and tape compare utility programs. Program Product Guide, 100 pages

GC33-5002

SYSTEM/360 DOS ASCII MAGNETIC TAPE UTILITIES PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-UT2

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification Sheet, 2 pages

GC33-5004

SYSTEM/360 DOS PLANNING GUIDE FOR PROGRAMMING THE 3330 DIRECT ACCESS STORAGE FACILITY

This publication is a planning guide for programmers, programming managers, and systems analysts who are intending to use an IBM System/370 configuration with the IBM 3330 Direct Access Storage Facility under the Disk Operating System.

The information in this document is divided into the following three sections:

- o An introduction that explains the functions of the IBM 3330 DASF supported by the Disk Operating System
- o A section explaining the changes to DOS IOCS to support the 3330 DASF
- o A section describing the changes required to other programming components

This publication explains only the changes to current DOS IOCS, which is described in full in IBM System/360 Disk Operating System, Supervisor and Input/Output Macros (GC24-5037).

Planning Guide, 8 pages

GC33-5007

SYSTEM/370 DISK OPERATING SYSTEM VERSION 4 - MANUAL

This manual, DOS Version 4, contains information required by installation managers, systems programmers, applications programmers, and operators who work with DOS Version 4 on an IBM System/370 Model 135, 145, or 155. The manual contains update information to the existing DOS library. The manuals that are updated are:

DOS System Control and Service, GC24-5036
DOS Data Management Concepts, GC24-3065
DOS Supervisor and I/O Macros, GC24-5037
DOS Operating Guide, GC24-5022
DOS and TOS Utility Programs, GC24-3465
DOS and TOS Assembler Language, GC24-3414
System Reference Manual, 155 pages

GC33-5008

DOS VERSION 4 SYSTEM GENERATION

This reference publication describes the planning and the procedures necessary to generate and to maintain an installation-tailored IBM Disk Operating System (DOS) that provides support for IBM-supplied DOS programs you desire, as well as for your own programs. The major topics discussed are:

- o Planning the installation-tailored DOS supervisor
- o Planning the installation-tailored DOS operational pack(s)
- o Procedures for generating and for maintaining the DOS system
- o Sample problems for testing the IBM-supplied DOS programs

The information in this publication is of particular interest to anyone responsible for the planning and/or implementation of system generation and maintenance for DOS. This includes installation managers, system analysts, programmers, and machine operators. System Library Manual, 428 pages

GC33-5009

DOS VERSION 4 MESSAGES - SYSTEMS REFERENCE LIBRARY MANUAL PROGRAM NUMBER 360N-CL-453

This reference publication provides quick access information for operators and programmers who encounter DOS messages and use DOS commands and job control language.

This publication does not include:

- o Any message issued by IBM Program Products.
- o Any language message issued during compilation or assembly.
- o RPG messages.
- o OLTEP messages.
- o Emulator messages.

For detailed DOS operating information, see the companion publication, DOS Operating Guide, GC24-5022. For a list of associated publications, refer to the IBM System/360 and System/370 Bibliography, GA22-6822. Manual, 360 pages

GC33-5370

INTRODUCTION TO DOS/VS - MANUAL

This manual is a general summary of the IBM Disk Operating System/Virtual Storage (DOS/VS). Its purpose is to provide new users of DOS with a basic introduction to the system. For users familiar with DOS, it also gives a summary of the features and functions new in DOS/VS.

Some of the topics are, functions and facilities, new features, and configurations. An overview of the DOS/VS system control programs (SCP's) and brief descriptions of some of the program products that can be used with the system. Manual

GC33-5371

DOS/VS SYSTEM MANAGEMENT GUIDE

This manual is a guide to the IBM Disk Operating System/Virtual Storage (DOS/VS). The system in its entirety is discussed on a conceptual and functional level. System management refers not only to the way DOS/VS is organized, but also to the way the user can efficiently manage the system facilities at his disposal. This manual, therefore, does more than describe the functions and interaction of the system control and system service programs that constitute DOS/VS. It also describes how the systems planner, systems programmer, applications programmer, or operator can use DOS/VS to your best advantage. Manual, 240 pages

GC33-5372

DOS/VS DATA MANAGEMENT GUIDE

Provides conceptual and functional information about the data management facilities offered by DOS/VS. These facilities concern primary items such as record design, file organization, and file processing, as well as secondary items like file labeling, data security, data integrity, and symbolic device names.

The intended audience is a systems designer who has to decide on a certain type of file organization and a method of file maintenance for a given application, and an application programmer who needs general background information about the access methods he will use in his programs. Prerequisite publication: Introduction to DOS/VS, GC33-5370. Manual, 328 pages

GC33-5373

DOS/VS SUPERVISOR AND I/O MACROS SRL MANUAL

This publication is for the programmer planning to use the DOS/VS Input/Output Control System macro instructions and supervisor macro instructions. These macro instructions can be combined with problem programs to produce generalized or specific file processing programs. The major subjects describe the macro system, label processing, multitasking macros, physical IOCS, supervisor macros, and sequential, direct, indexed sequential and access methods. Manual, 300 pages

- GC33-5386 *N
SYSTEM/360 MODEL 20 TO SYSTEM/370 MODEL 115 TRANSITION GUIDE
 DOS/VS
 This publication is intended as an aid to management in making the transition from the System/360 Model 20 to the System/370 Model 115. It discusses factors that must be considered long before the stages as a guide for a total transition plan. It presents the factors which managers are likely to encounter in the course of the change-over and suggests possible solutions to some of the problems.
 Manual, 73 pages
- GC33-5400
DOS/VS PROGRAMMING GUIDE FOR IBM 3340 DASD, ROTATIONAL POSITION SENSING (RPS) AND BLOCK MULTIPLEX CHANNEL SUPPORT
 This publication is a planning guide for programmers, programming managers, and systems analysts who intend to use a System/370 configuration with IBM 3340 Direct Access Storage Devices (DASD) under DOS/VS.
 In addition, this publication provides information on Rotational Position Sensing (RPS) and the Block Multiplex Channel support.
 The main part of this publication consists of planning information for the 3340 DASD. The RPS information is integrated in the description of the 3340 and identified by the letters RPS in the margin. The Block Multiplex Channel support is described in a separate section at the end of this manual.
 For the 3340, this publication only points out those places where programming support for existing DASD (2311, 2314, 3330, 3333) has been changed to support the 3340. Basic information needed to plan for programming the 3340 is contained in "DCS/VS Supervisor and I/O Macros".
 Manual, 22 pages
- GC33-5401
PLANNING GUIDE FOR DOS/VS SYSTEM ENHANCEMENTS
 This document contains information which will help the customer in planning the implementation of DOS/VS System Enhancements in his installation.
 Prerequisite reading material is the Introduction to DOS/VS, GC33-5370. In addition, DP Processing Glossary, GC20-1699-0, defines a number of terms used in this document. The manuals can be obtained through your IBM representative or the IBM branch office serving your locality.
 Manual, 14 pages
- GC33-5402
DOS/VS PLANNING GUIDE FOR PROGRAMMING THE SYSTEM/370 MODEL 115 AND THE IBM 5203 AND 3203 PRINTERS
 This publication is a planning guide for programmers, programming managers, and systems analysts who intend to use a System/370 Model 115 and/or a 5203 or 3203 printer. This planning guide is divided in two parts:
 o Part I contains a brief discussion of the DOS/VS support for the Model 115.
 o Part II provides planning information for the 5203 and 3203 printers.
 Manual, 20 pages
- GC35-0004
OS/VS SYSTEM MANAGEMENT FACILITIES (SMF)
 This publication provides installation managers, system programmers, and operators with the information required to plan for, install, and use SMF (System Management Facilities).
 SMF is an optional feature of the IBM System/370 OS/VS that can be selected at system generation.
 SMF collects system, job-management, and data-management information and links to user-written routines that can monitor the operation of jobs or job steps.
 This publication introduces basic SMF concepts; describes SMF record formats, control program exits, and data-management requirements; tells how to plan, write, and test user-written exit routines; tells how to incorporate SMF into the operating system; and describes IPL and data management procedures.
 Manual, 80 pages
- GC35-0005
OS/VS UTILITIES
 This publication discusses the capabilities of the OS/VS utility programs and the control statements used with each program. These programs are used by programmers responsible for organizing and maintaining operating system data.
 Manual, 320 pages
- GC38-0005
IBM SYSTEM/370 MODEL 135 OPERATING PROCEDURES
 This manual provides operating and reference information for operators of the IBM System/370 Model 135. The reader is assumed to have a working knowledge of Introduction to IBM Data Processing Systems, GC20-1684, and some previous operating experience on either a similar system or related Data Processing Equipment.
 The manual describes how to operate the system hardware:
 IBM 3135 Processing Unit - The System CPU IBM 3046 Power

Unit - The major source of electrical power for the CPU IBM 3210 and 3215 Console Printer-Keyboards Input/output devices that are attached to the CPU-integrated adapters.

The principal Diagnostic Procedure in the manual requires IBM System/370 Model 135 Diagnostic Report, GX33-6003.
 IBM System/370 Model 135 Diagnostic Report, GX33-6003.
 Manual, 110 pages

- GC38-0015
IBM SYSTEM/370 MODEL 145 OPERATING PROCEDURES
 This System Library Manual contains information necessary to operate the following units of the IBM System/370 Model 145:
 IBM 3145 Processing Unit
 IBM 3210 Console Printer-Keyboards
 IBM 3215 Console Printer-Keyboards
 IBM 3047 Power Unit
 The reader is assumed to have basic computer knowledge and experience, or computer operating experience on a similar system or other related data processing equipment. The information in this manual is written for all levels of operator experience for training as well as system operation. This manual has five major sections:
 o System Control Panel Indicators, Switches, and Keys - Describes the purpose of individual indicators, switches, and keys. It does not describe the applications of these facilities within operating procedures. Service-personnel usage is not included.
 o Console File - Contains location, handling, flexible disk insertion and removal information, and the necessary cautions associated with flexible disks.
 o Console Printer-Keyboards - Contains initial setup and operator adjustments, 3210 print element cleaning procedures, associated manual PR-KB operations, and a description of indicators and controls.
 o Operating Procedures - Describes in detail procedures necessary for system operation. Initialization and error recovery procedures are included. Operating procedures for System Error Record Editing Program (SEREP) and System Test 370 (ST370) are also in this section.
 o Handling Abnormal Situations - Includes text and flowcharts used in analyzing the four major types of abnormal situations encountered:
 1. Cannot power system on
 2. Cannot start any job
 3. Cannot continuously run any job
 4. Cannot power system off
 Manual, 96 pages
- GC38-0025 *N
IBM SYSTEM/370 MODEL 158 OPERATING PROCEDURES
 This manual introduces the operator to the Model 158 display console. Subjects describes from an operational level include:
 o Control Panel
 o Console Display
 o Keyboard
 o Console Files
 o Console Printer
 This publication should be used in conjunction with Operator's Library: OS/VS2 Consoles, GC38-0260, and Operator's Library: OS/VS2 Reference, GC38-0210. A knowledge of IBM System/360 Operating System: Operating Procedures, GC28-6692 is considered a prerequisite.
 Manual, 52 pages
- GC38-0030 *N
SYSTEM/370 MODEL 168 OPERATING PROCEDURES
 This publication describes the basic procedures performed by the Model 168 operator at the system console. These procedures, in conjunction with corresponding procedures provided in the appropriate operating system reference and console manuals, enables the operator to power the machine system, load and execute control and problem programs, and to receive and issue messages to communicate with the system.
 The anticipated reader is the Model 168 operator who receives the program job, enters it into the production records, enters the program into the system, and returns the completed job to the problem programmers. The reader is assumed to have at least a basic understanding of computers and some preliminary experience in operating a similar system.
 Manual, 70 pages
- GC38-0110
OPERATOR'S LIBRARY: OS/VS1 REFERENCE
 This reference publication, part of a comprehensive operator's library, contains all OS/VS1 system commands. It is designed for use by any operator controlling OS/VS1, but is of primary interest to the operator at the master console.
 This publication does not contain introductory or procedural information about OS/VS1. This information is provided by DP operator training courses. This publication also does not contain CRJE or TCAM information.
 Manual, 80 pages

GC38-0120

OPERATOR'S LIBRARY: OS/VS CONSOLE CONFIGURATIONS

This introductory and procedural operator publication describes OS/VS support for:

- o the single console configuration
- o the multiple console configuration

This publication is part of the Operator's Library and is intended for use with:

- o Operator's Library: OS/VS1 Reference, GC38-0110
- o Operator's Library: OS/VS2 Reference, GC38-0210
- o Operator's Library: OS/VS1 Display Consoles (if applicable), GC38-0255
- o Operator's Library: OS/VS2 Display Consoles (if applicable), GC38-0360
- o the applicable hardware publication(s).

Manual, 28 pages

GC38-0210

OPERATOR'S LIBRARY: OS/VS2 REFERENCE

This publication provides the basic system information necessary for a console operator to run a System/370 machine under OS/VS2. A knowledge of the information included in the IBM Basic Operator Training Course is assumed.

The following topics are discussed in this publication: a general overview of OS/VS2; the commands and procedures for starting, stopping, and restarting the system; and discussions on system input, system output, allocating devices, and recording system information. The commands and procedures for controlling jobs and the overall system are also discussed in this book.

Manual, 76 pages

GC38-0220

OPERATOR'S LIBRARY: OS/VS2 TSO

This publication provides the basic system information necessary for a console operator to run TSO under OS/VS2. A knowledge of the information included in the IBM Basic Operator Training Course is assumed.

This publication includes the commands and procedures necessary to: start TSO, modify TSO parameters, communicate with terminal users, cancel a terminal session, control the background reader, and stop TSO.

Manual, 32 pages

GC38-0255

OPERATOR'S LIBRARY: OS/VS1 DISPLAY CONSOLES

Tells system operators how to use cathode ray tube (CRT) display devices as operator consoles to run a VS1 operating system. The display devices supported are:

- o 2250 Display Unit
- o 2260 Display Station

The book summarizes the basic procedures for operating a system through display consoles and includes detailed instructions for each device telling:

- o How to start the system
- o How to enter commands
- o How to delete messages
- o How to control the screen
- o How to use the CONTROL command

The book must be used in conjunction with Operator's Library: OS/VS1 Reference, GC28-1001.

Manual, 80 pages

GC38-0260

OPERATOR'S LIBRARY: OS/VS2 DISPLAY CONSOLES

This publication tells system operators how to use cathode ray tube (CRT) display devices as operator's consoles to run the VS2 configuration of the operating system.

After summarizing how to use display devices as operator's consoles, the manual describes in detail the operating techniques for each of the devices supported by VS2. Instructions are given for each device telling how to: start the system, enter commands, delete messages and control the screen using the CONTROL command.

This book must be used in conjunction with Operator's Library: OS/VS2 Reference, GC38-0210, which describes overall VS2 operating procedures.

Operators Guide, 156 Pages

GC38-0305

OPERATOR'S LIBRARY: OS/VS TCAM - PROGRAM NUMBER 5741-SC1-21

Operating commands for Telecommunications Access Method (TCAM) for the Operating System/Virtual Storage (OS/VS) are described for system operators. The commands are grouped by function for easier use. A alphabetical list of keywords from the operands, with definitions of the commands, is

Manual, 28 pages

GC38-0330

OPERATOR'S LIBRARY OS/VS1 RES - PROGRAM NUMBER 5741-SC1-BB

This book is required by the operator of a central computer that is using RES (Remote Entry Services) under VS1. It explains what functions the central operator can perform under RES. The book describes how the central operator uses the automated IPL option and how he starts and stops RTAM, the access method used by RES. Included in the book are the commands available to the central operator; these RES commands provide the means for performing such functions as

displaying RES information, changing line status, controlling job processing, and sending messages to workstation users.

This book is part of the Operator's Library and need be included in the library only when RES is used. It is assumed that the library contains the publication Operator's Library: OS/VS1 Reference, Order No. GC38-0110.

Manual, 48 pages

GC38-0335

OPERATOR'S LIBRARY: OS/VS1 CRJE

This publication contains information pertinent to the central computer operator for starting, stopping, and running Conversational Remote Job Entry (CRJE) under OS/VS1. It should be used in conjunction with Operator's Library: OS/VS1 Reference, GC38-0110.

All the messages received by the operator as a result of CRJE commands are documented in OS/VS Message Library: VS1 System Messages, GC38-1001.

Manual

GC38-1001

OS/VS MESSAGE LIBRARY: VS1 SYSTEM MESSAGES

This manual is the basic manual of the message library for OS/VS1 systems. It contains messages for most system control program functions, including scheduler, supervisor, data management, system generation, and checkpoint/restart.

VS1 System Messages, when used with other appropriately chosen message library publications, enables effective use of VS1 messages. For messages documented, it contains pertinent data about:

- o an expanded explanation of the message text,
- o the resulting action of the system,
- o the response required of the operator and/or programmer,
- o and how to obtain the information necessary for problem determination.

It is written for operators, programmers, system support personnel - anyone who responds to system messages.

Manual, 260 pages

GC38-1002

OS/VS MESSAGE LIBRARY: VS2 SYSTEM MESSAGES

This publication lists, explains, and suggests appropriate responses for the messages issued by most OS/VS2 control program functions including scheduler, supervisor, data management, and system generation.

Manual, 186 pages

GC38-1003

OS/VS MESSAGE LIBRARY: SYSTEM CODES

This publication lists, explains, and suggests appropriate responses to the system completion codes and wait state codes produced by the IBM supplied components of OS/VS1. The codes are presented in alphameric order.

Manual

GC38-1004

OS/VS MESSAGE LIBRARY: ROUTING AND DESCRIPTOR CODES

This publication lists the routing and descriptor codes of OS/VS messages as they are assigned by IBM. Most messages in the system are issued by the WTO and WTOR macro statements, which have routing and descriptor code parameters.

This is a reference publication for a limited and specific audience, those who wish to alter the code assignments. It can be helpful, for example, to the user whose system has multiple console support (MCS) and who is rerouting messages to certain consoles.

In this manual, message identifiers (IDs) are listed in alphameric order; message texts are not given. Descriptor codes appear to the left of the message IDs, and the routing codes to the right. In cases where a message is issued only by VS1 or VS2 and not both, the system designation follows the ID.

Only this reference material is listed in this manual. For additional information like message texts and explanations, you must refer to other publications in the OS/VS Message Library.

Manual, 32 pages

GC38-1005

OS/VS MESSAGE LIBRARY: UTILITIES MESSAGES

This publication lists error and diagnostic messages issued by OS/VS Utility programs and describes the actions to be taken in response to them. It is to be used by programmers using the OS/VS Utility programs, and by operators responsible for running them. OS/VS Utilities, GC35-0005, is a prerequisite publication.

Manual, 88 pages

GC38-1006

OS/VS MESSAGE LIBRARY: SERVICE AIDS AND OLTEP MESSAGES

This publication lists, explains, and suggests appropriate responses to the messages produced by the OS/VS service aids and OLTEP programs. The messages are grouped by component and listed in alphameric order. Associated publications:

OS/VS Service Aids, GC28-0633, which tells how to use the OS/VS Service aid programs (except for IFCDIP00 and IFCRREP0).

OS/VS SYS1.LOGREC Error Recording, GC38-0638, which tells how to use the IFCDIP00 and IFCRREP0 service programs.
OS/VS OLTEP, GC38-0636, which tells how to use the Online Test Executive Program (OLTEP).
Manual, 66 pages

GC38-1007

OS/VS MESSAGE LIBRARY: LINKAGE EDITOR AND LOADER MESSAGES
This publication lists, explains, and suggests appropriate responses for the messages issued by the OS/VS linkage editor and loader programs. The messages are grouped by component and listed in alphabetic order.

The associated publication is:

o OS/VS Linkage Editor and Loader, GC26-3813
Manual, 32 pages

GC38-1008

OS/VS MESSAGE LIBRARY: VS2 SYSTEM CODES
This publication lists, explains, and suggests appropriate responses to the system completion codes and wait state codes produced by the IBM-supplied components of OS/VS2. The codes are presented in alphabetic order.
Manual, 60 pages

GC38-1009

OS/VS MESSAGE LIBRARY: VS2 TSO MESSAGES
This publication lists, explains, and suggests appropriate responses for the messages issued by the TSO control program and associated routines such as the PL/I and FORTRAN IV syntax checkers. Messages are grouped by component and listed in alphabetic order.
Manual, 58 pages

GC38-1010

OS/VS MESSAGE LIBRARY: VS1 RES RTAM AND ACCOUNT MESSAGES
This book is intended for users of RES (Remote Entry Services) under VS1. The book contains messages produced by RTAM (Remote Terminal Access Method) and by the account facility. The messages are presented in message number order. In addition to the text of the message, an explanation of it is given together with the action the system takes and the expected response, if any, of the operator and/or programmer.

This book is part of the Message Library and need be included in the library only when RES is used.
Manual, 80 pages

GC50-0001

IBM 2701 DATA ADAPTER UNIT AND ASCII AUTODIN ADAPTER (RPQ F16124): PRINCIPLES OF OPERATION
This manual provides information concerning the operation of the IBM 2701 Data Adapter Unit and the ASCII Adapter RPQ F16124. The manual is divided into five sections, a glossary, and six appendices.

The first section gives a general description of the 2701 and the AUTODIN Adapter, the functional organization of the 2701 and the configuration of the 2701.

The second section describes the operation of the 2701 with System/360 Model 20. Subjects discussed here include communications line addressing, channel operation, and I/O instructions concerning the 2701 for the Model 20.

The third section describes the operation of the 2701 with System/360 for Models 25 and above. Subjects discussed here include communications line addressing, multiplexor and selector channel operation, and I/O instructions concerning the 2701 for Models 30 and above.

The fourth section covers the ASCII AUTODIN Adapter. A complete description of the operation of the adapter is made which includes transmit and receive operation sequences, status and sense bytes, line interfaces, and the operators panel.

The fifth section covers the operating procedures of the 2701 Data Adapter Unit and the ASCII AUTODIN Adapter.

The glossary contains definitions of certain terms used in this manual which may not be in common use.

The appendices include charts on the ASCII code, representation of the ASCII code to System/360 codes, specifications on the 2701, and two electrical interface drawings.
Manual, 60 pages

GE20-0022

PUBLIC UTILITY CUSTOMER ACCOUNTING WITH THE IBM SYSTEM/360 ONLINE COMMUNICATION SYSTEM
This manual describes an on-line customer accounting and customer service system using direct access storage devices and terminals. The system provides for: customer inquiries, service orders, transmission of payments, offline batch billing, and accounts receivable processing.
DP Application Manual, 30 pages

GE20-0188

RETAIL IMPACT (INVENTORY MANAGEMENT PROGRAM AND CONTROL TECHNIQUES): APPLICATION DESCRIPTION
PROG. NOS. 360A-DR-04X,05X,08X,09X

The purpose of this manual is to describe the Retail IMPACT System for the retail industry. The Retail IMPACT System actually consists of two separate systems, one for staple and one for fashion merchandise. Either or both of these systems may be complemented. Programs for the systems are enumerated in the manual.

The manual is divided into chapters which cover topics such as a general statement of the problems of retail inventory management; simulation and its uses; ordering parameters, methods of forecasting and forecasting techniques; record maintenance, purchase order generation, and operating and management reporting; design considerations; and implementation.

Where appropriate, these topics are discussed separately for the fashion and staple systems. Also, graphic and report examples supplement the text, and a glossary of terms peculiar to the retail environment is included in the manual.

Application Program Manual, 104 pages

GE20-0228

OPTIMUM BOND BIDDING - USER'S MANUAL
PROGRAM NUMBER 360A-FI-06X

This program has been designed to help underwriters determine the coupon schedule and associated values for a bid on a new bond issue. A mathematical procedure is used which develops an optimal set of coupon rates. The optimization procedure minimizes the net interest cost of effective rate, whichever is applicable, while remaining within the constraints established by the issuer and those established by the underwriter. A number of options are provided which help the user obtain bidding information for issues with various characteristics.

This manual contains a general description of the program, including all mathematical formulas, machine configuration, general systems chart, input/output description, sample problem, operating instructions, and halt and message list. IBM (GX20-1736) facilities preparation of input data for the program.
Application Program Manual, 119 pages

GE20-0246

SYSTEM/360 DEMAND DEPOSIT ACCOUNTING APPLICATION DESCRIPTION
PROGRAM NUMBER 360A-FB-15X

This manual is an introductory text describing the scope and capabilities of the IBM System/360 Demand Deposit Application programs. It deals with the requirements for a demand deposit application in either a single bank or a multi-bank environment, describes the results and advantages a bank may expect from using the application programs, summarizes the accomplishments of each of the programs provided, contains information on how to get started, and illustrates some of the record layouts and reports produced. The appendix describes machine requirements, the use of other programming products, sample timings, and disk pack requirements.
Application Program Manual, 36 pages

GE20-0256

SYSTEM/360 TEXT PROCESSOR -- COMPOSITION/360,
APPLICATION DESCRIPTION
PROGRAM NUMBER 360A-DP-08X

COMPOSITION/360 acts in conjunction with user-supplied programs and the full facilities of the Disk Operating System for System/360. It consists of control and functional routines that accept input from a user-prepared disk-resident file, produces generalized justified output records, and stores them in a specified disk area. If word division capabilities are required, the HYPHENATION/360 program is linked with COMPOSITION/360.
Application Program Manual, 28 pages

GE20-0257

SYSTEM/360 TEXT PROCESSOR - HYPHENATION/360 APPLICATION DESCRIPTION,
PROGRAM NUMBER 360A-DP-07X

HYPHENATION/360 provides division of words for text processing applications in which the addition of word syllables to a line to meet justification requirements is preferable to forcing the line to end with a complete word. This hyphenation capability is provided in the form of a module that can be linked with a user's System/360 text-processing program or the COMPOSITION/360 module of the IBM System/360 Text Processor.

Through program linkage, HYPHENATION/360 accepts a word from the user's program and determines the division points. The word, with the division points indicated, is returned to the user's program, where the portion to be retained on the line can be selected on the basis of the user's graphic requirements.

This publication contains descriptions of the application and program, a general system chart, programming system, minimum machine, core, and disk requirements.

For more detailed information, see the program Description Manual (GH20-0525).

Application Program Manual, 18 pages

GE20-0306

1287 INPUT CONVERSION PROGRAM, APPLICATION DESCRIPTION PROGRAM NUMBER 360A-DR-07X

The IBM Input Conversion Program translates cut-form document information from the IBM 1287 Optical Reader into computer-processable data. The program is designed to enable a user to utilize the IBM 1287 Optical Reader in implementing input conversion in an efficient and economical manner without the need of additional programming. The input conversion process is an essential link between the data sources and utilization in an integrated data processing system.

Application Program Manual, 15 pages

preceding manuals is assumed. The intended audience is the experienced programmer.

Illustrative programs were processed by the PL/I (F) Compiler (Version 5) under control of the IBM System/360 Operating System (Release 18.6).
Data Processing Techniques, 84 pages

GF20-0020

TECHNIQUES FOR PROCESSING RELOCATABLE LISTS IN PL/I
No abstract available.
Manual, 64 pages

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GE20-0312

PREFACE TO PL/I PROGRAMMING IN SCIENTIFIC COMPUTING

In a brief and simple manner, this manual:

- Lists some problems arising in industry, business, science, and engineering
- Survey the mathematical, statistical, and operations research (OR) by which these problems are solved
- Tells how a few of such techniques and models are programmed for computers using the PL/I language

The major portion of the manual concentrates on PL/I. The essentials are brought out mostly by the many short examples and the summary exhibits.

DP Application Manual, 66 pages

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GF20-0385

AN INTRODUCTION TO MICROPROGRAMMING

This document describes some aspects of microprogramming as it has been used in certain IBM processing units. It is intended to provide a general understanding of the subject. Part 1 provides the reader with elementary microprogramming concepts as example material. Part 1 presumes some knowledge of assembler language programming and complement arithmetic.
Manual

*N

GE20-0324

SYSTEM/360 TEXT PROCESSOR -- EDIT/360, APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-K11

The EDIT/360 component of the IBM System/360 Text Processor consists of control and functional routines which retrieve input from a user prepared disk-resident file. Input consists of textual material, text formatting commands, and output requests. After the output text has been proofread, alterations can be made to stored textual data through the use of text modification commands without re-entering the original text input. Completely justified and corrected text is written as generalized disk records. The user must provide routines to retrieve specific composition device on which final printing will occur, and write it to the appropriate systems output device.
Program Product Manual, 44 pages

GF20-8172

BIBLIOGRAPHY OF DATA PROCESSING TECHNIQUES

This bibliography provides a selection of IBM publications which, either wholly or in part, describe data processing techniques - generally useful methods and applications, studies in analysis and design, management of a data processing department, and the like. The listing of a publication in this bibliography does not, however, preclude its appearance in one or more bibliographies for specific systems.

Titles, order numbers, current status, and an abstract of each item are provided. Titles are listed two ways: by topic, with order number indicated and in order-number sequence with title given.
Manual, 8 pages

GE20-0350

A PREFACE TO LINEAR PROGRAMMING AND ITS APPLICATIONS

This manual attempts to motivate the reader's interest in an important, general purpose tool called linear programming. The stress is on examples, benefits, and applications in a wide spectrum of industries and disciplines; the literature references are especially extensive. Included is a simple nontechnical glossary of basic concepts.

DP Application Manual, 36 pages

GH12-5102

SYSTEM/360 AND SYSTEM/370 MATRIX SYSTEM (MATSYS) (OS AND TSO) GENERAL INFORMATION MANUAL - PROGRAM PRODUCT 5734-XM7
The IBM System/360 and System/370 Matrix System (MATSYS) is a programming system designed to simplify the handling of, and the computation with, matrices. This publication describes the language and general capabilities.

Matrices to be processed by MATSYS may consist of real or complex, single-precision or double-precision numbers. MATSYS uses segmenting algorithms whenever the storage requirements of the matrices to be processed exceed the available main-storage space.

MATSYS can be utilized in many scientific, technical, and commercial applications. It is of special interest to the aerospace industry, as well as to electrical and civil engineering, statistics, and econometrics.

For part of this publication, the reader should possess a good knowledge of linear algebra and some familiarity with data processing and the IBM System/360 or System/370.
Manual, 34 pages

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GF20-0012

PREPARING BRAILLE USING SYSTEM/360

This brochure acquaints readers with rudiments of Braille and the way in which IBM can help by furnishing material on magnetic tapes that can be translated to Braille.
Special Brochure, 6 pages

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GF20-0015

INTRODUCTION TO THE LIST PROCESSING FACILITIES OF PL/I

This manual discusses and illustrates usage of PL/I facilities for organizing, processing, and relocating data in list form. A data list is a chain of based variable structures that contain data plus pointers that link the structures. List-processing techniques are useful for handling data that has logical complexities not conveniently represented by conventional PL/I array and structure representation.

Illustrative programs were processed by the PL/I (F) Compiler (Version 4) under control of the IBM System/360 Operating System (Release 16).

The list-processing facilities of PL/I are an advanced topic in programming; this manual is intended for the experienced programmer.

Additional information is presented in Techniques for Processing Data Lists in PL/I (GF20-0018).
Data Processing Techniques Manual, 96 pages

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GH12-5103

IBM SYSTEM/360 AND SYSTEM/370, IBM 1130 AND 1800 SUBROUTINE LIBRARY-MATHEMATICS (SL-MATH) GENERAL INFORMATION MANUAL PROG. NOS. 5736-XM7, 5711-XM2

The Subroutine Library-Mathematics (SL-MATH) is a collection of subroutines dealing with matrix algebra and numerical mathematics. The subroutines are written in FORTRAN IV. SL-MATH consists of input/output-free computational building blocks which may be combined with the user's input or computation routines to meet his individual requirements. The subroutines in this library can be applied to the solution of many problems in industry, science, and engineering.

This manual presents an introduction to SL-MATH, a list of the capabilities of the library, rules of usage, system configuration, programming systems, and a list of reference material.
Manual, 41 pages

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GF20-0019

TECHNIQUES FOR PROCESSING POINTER LISTS AND LISTS OF LISTS IN PL/I

This manual illustrates techniques for processing pointer lists and lists of lists. A list consists of based structure components containing pointer elements that link the structures. A pointer list is formed of linked list components containing pointers that address data. Similarly, a list of lists contains pointers that address lists.

This manual is a sequel to Introduction to the List Processing Facilities of PL/I (GF20-0015) and Techniques for Processing Data Lists in PL/I (GF20-0018). Knowledge of the

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SH12-5403

MATRIX SYSTEM (MATSYS) (OS AND TSO) - PROGRAM REFERENCE MANUAL - PROGRAM NUMBER 5734-XM7

The Matrix System (MATSYS) is a programming system designed to simplify matrix handling and computation. Matrices may consist of real or complex, single or double precision numbers. Segmenting algorithms incorporated in MATSYS allow processing of matrices whose storage requirements exceed the available main-storage space.
Manual, 220 pages

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SH12-5407

IBM SYSTEM/360 AND SYSTEM/370, STORAGE AND INFORMATION RETRIEVAL SYSTEM (STAIRS), PROGRAM PRODUCT REFERENCE MANUAL - PROGRAM NUMBER 5734-XR3

The IBM System/360 and system/370 Storage and Information Retrieval System (STAIRS) is a terminal-oriented system that offers the user a variety of resources for data-base

creation and maintenance, and especially for data-base searching and document output.

The system is used to retrieve stored documents which contain unformatted textual and/or formatted data. Documents are retrieved in an on-line dialogue between the system and the user. The user formulates queries in extended Boolean logic and/or comparison operators.

This manual contains the general program description, a description of the data-base creation and data-base merge programs, of all input/output and intermediate data sets, and of the terminal operations. It also includes installation requirements and the messages supplied by STAIRS.

For further information on STAIRS, the reader is referred to the following publications:

- o General Information Manual, Form GH12-5107
- o Operation Guide, Form SH12-5509

Manual, 144 pages

SH12-5509

IBM SYSTEM/360 AND SYSTEM/370, STORAGE AND INFORMATION RETRIEVAL SYSTEM (STAIRS), OPERATION GUIDE PROGRAM PRODUCT 5734-XR3

This manual contains all information required to install the Storage and Information Retrieval System (STAIRS) and to incorporate it into an IBM System/360 or System/370 for subsequent execution under control of the IBM Customer Information Control System (CICS). It includes information on the data-base creation and data-base merge programs as well as on system maintenance and utilities.

The reader of this manual should be familiar with the principles of teleprocessing, the IBM Operating System, and the IBM Customer Information Control System (CICS).

Manual, 50 pages

GH19-0014

IBM SYSTEM/360 RESOURCE ALLOCATION (REAL/360) FOR PROJECT CONTROL SYSTEM/360 APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-XP2

REAL/360 complements the Project Control System/360 (PCS). Present conventional PERT/CPM-type scheduling programs provide project schedulers or managers with an efficient tool for planning, evaluating, scheduling, and controlling the activities to be managed; unlimited availability of resources, however, is assumed.

REAL/360 enables users to define project schedules, based on PCS results, while at the same time taking various resource limitations and time constraints into account. The reader should be knowledgeable in PERT/CPM techniques and be familiar with Project Control System/360 (360A-CP-06X, Version 2).

Program Product Documentation, 24 pages

SH19-0026

IBM SYSTEM/360 RESOURCE ALLOCATION (REAL/360) FOR PROJECT CONTROL SYSTEM/360 PROGRAM DESCRIPTION AND OPERATIONS MANUAL PROGRAM NUMBER: 5736-XP2

REAL/360 performs the resource allocation in a project control system. It enables users to define project schedules, based on the results of the Project Control System/360 (PCS), while at the same time taking various resource limitations and time constraints into account. This manual provides information necessary for understanding the functions of REAL/360 and for preparing and operating the system.

The reader should be familiar with the following publications:

PROJECT CONTROL SYSTEM/360 APPLICATION DESCRIPTION MANUAL, Form GH20-0222

PROJECT CONTROL SYSTEM/360 PROGRAM DESCRIPTION AND OPERATIONS MANUAL, Form GH20-0076

IBM SYSTEM/360 RESOURCE ALLOCATION (REAL/360) FOR PROJECT CONTROL SYSTEM/360 APPLICATION DESCRIPTION MANUAL, Form GH19-0014.

Program Product Documentation, 104 pages

GH19-0044

AUTOFLOW, IBM SYSTEM/360 AND SYSTEM/370, GENERAL INFORMATION MANUAL - PROGRAM PRODUCTS 5734-DC1 (OS) AND 5736-DC1 (DOS)

This manual is intended as an introductory guide to the overall operation of the AUTOFLOW System. Its purpose is to provide a summary of the inherent facilities and capabilities of AUTOFLOW, including the various options available to accommodate a wide range of applications. In addition, a complete description of the AUTOFLOW output and the characteristics common to all input source language programs is presented to further an understanding of the total system. This publication makes references to a series of manuals which treat each source language separately and in greater detail.

Manual, 94 pages

SH19-0045

AUTOFLOW, IBM SYSTEM/360 AND SYSTEM/370 INSTALLATION GUIDE DOS - PROGRAM PRODUCT 5736-DC1

This Guide provides a brief introduction to the AUTOFLOW processor environment and operation. It describes the procedure to be followed for installing an AUTOFLOW processor into any particular hardware/software environment. It describes the composition of a job control deck for running the AUTOFLOW processor. The reader is assumed to have a knowledge of DOS, including the job control language.

Manual, 50 pages

SH19-0046

AUTOFLOW, IBM SYSTEM/360 AND SYSTEM/370 INSTRUCTOR'S GUIDE PROGRAM PRODUCT - PROGRAM PRODUCTS 5734-DC1 (OS) AND 5736-DC1 (DOS)

This manual is intended as a teaching aid for those users who desire to conduct their own AUTOFLOW training sessions. It presents a summary of the major features of the AUTOFLOW System organized as lessons. Reading assignments in the General Information Manual are made, and occasional references are made to other publications available in support of the AUTOFLOW System, such as the Operations Guide and the separate language manuals. Although the majority of the illustrations are COBOL-oriented, most of the basic concepts represented can be applied to the processing of other source languages.

Manual, 70 pages

SH19-0047

AUTOFLOW, IBM SYSTEM/360 AND SYSTEM/370 OPERATIONS GUIDE PROGRAM PRODUCT - PROGRAM PRODUCTS 5734-DC1 (OS) AND 5736-DC1 (DOS)

This manual contains the necessary information for an operator to execute AUTOFLOW under the various IBM System/360 and System/370 operating Systems. Appendix A contains the list of error and diagnostic messages which might appear during an execution of AUTOFLOW. Additional technical information is presented in the Installation Guide.

Manual, 54 pages

SH19-0048

AUTOFLOW IBM SYSTEM/360 AND SYSTEM/370 COBOL SERIES REFERENCE MANUAL PROGRAM PRODUCT - PROGRAM PRODUCTS 5734-DC1 (OS) AND 5736-DC1 (DOS)

This manual presents a detailed analysis of AUTOFLOW processing of COBOL source programs. It has been designed as an extension of the basic information related to COBOL/AUTOFLOW presented in the General Information Manual. Any reader who is unfamiliar with the fundamental concepts of AUTOFLOW should first review the General Information Manual. Similar manuals are available for each source language directly processed by AUTOFLOW, including FORTRAN, Assembly, and PL/I. References to appropriate sections of the General Information Manual will be made when clarification of the more general aspects of AUTOFLOW operation is required.

Manual, 108 pages

SH19-0049

AUTOFLOW IBM SYSTEM/360 AND SYSTEM/370 FORTRAN SERIES REFERENCE MANUAL - PROGRAM PRODUCTS 5734-DC1 (OS) AND 5736-DC1 (DOS)

This manual presents a detailed analysis of AUTOFLOW processing of FORTRAN source programs. It has been designed as an extension of the basic information related to FORTRAN/AUTOFLOW presented in the General Information Manual. Any reader who is unfamiliar with the fundamental concepts of AUTOFLOW should first review the General Information Manual. Similar manuals are available for each source language directly processed by AUTOFLOW, including COBOL, Assembly, and PL/I. References to appropriate sections of the General Information Manual will be made where clarification of the more general aspects of AUTOFLOW operation is required.

Manual, 78 pages

SH19-0050

AUTOFLOW IBM SYSTEM/360 AND SYSTEM/370 ASSEMBLY SERIES REFERENCE MANUAL - PROGRAM PRODUCTS 5734-DC1 (OS) AND 5736-DC1 (DOS)

This manual presents a detailed analysis of AUTOFLOW processing of IBM System/360 and System/370 Assembly Language programs. It has been designed as an extension of the basic information related to Assembly/AUTOFLOW presented in the General Information Manual. Any reader who is unfamiliar with the fundamental concepts of AUTOFLOW should first review the General Information Manual. References will be made throughout this manual when clarification of the more general aspects of AUTOFLOW operation is required. Similar manuals are also available for other source languages directly processed by AUTOFLOW, including COBOL, FORTRAN, and PL/I.

Manual, 115 pages

SH19-0051

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AUTOFLOW IBM SYSTEM/360 AND SYSTEM/370 PL/I SERIES REFERENCE MANUAL - PROGRAM PRODUCTS 5734-DC1 (OS) AND 5736-DC1 (DOS)
This manual presents a detailed analysis of AUTOFLOW processing of PL/I source programs. It has been designed as an extension of the basic information related to PL/I AUTOFLOW presented in the General Information Manual. Any reader who is unfamiliar with the fundamental concepts of AUTOFLOW should first review the General Information Manual. Similar manuals are available for each source language processed by AUTOFLOW, including COBOL, FORTRAN, and Assembly. Reference to appropriate sections of the General Information Manual will be made when clarification of the more general aspects of AUTOFLOW operation is required.
Manual, 112 pages

Decision Table Translator, instructions for the preparation of data files, examples of control cards and job control statements, warning and error messages issued by the program, and the actions which are taken when these messages occur. To compile and execute the PL/I or COBOL program obtained from a Decision Table Guide corresponding to the compiler used.

In this manual, the System Control Programs which permit the execution of DECTAT, that is, OS/MFT, OS/MVT, OS/VS1 and OS/VS2 are all referenced by the name "OS" for clarity in this documentation.
Manual, 52 pages

SH19-0052

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AUTOFLOW, IBM SYSTEM/360 AND SYSTEM/370 INSTALLATION GUIDE OS - PROGRAM PRODUCTS 5734-DC1
This Guide provides a brief introduction to the AUTOFLOW processor environment and operation. It describes the procedure to be followed for installing an AUTOFLOW processor into any particular hardware/software environment. It describes the composition of a control deck for running the AUTOFLOW processor. The reader is assumed to have a knowledge of OS, including the job control language.
Manual, 48 pages

GH19-1028

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SYSTEM/360 AND SYSTEM/370 STATISTICAL ANALYSIS OF FILES STAF/OS - GENERAL INFORMATION MANUAL - PROGRAM PRODUCT 5734-XA2

This manual contains general information concerning the purpose, input, output, and functions of the STAF/OS program. STAF/OS processes all types of files to produce various types of statistical output in the form of tabular reports, graphic reports (such as histograms, scatter diagrams, or curves), and maps, with a minimum of programming effort on the part of the user.

STAF/OS is a general purpose program, and is primarily suited to economic and commercial applications. It operates under the control of the Operating System in an MFT or MVT environment as well as under the control of System/370 Operating System, for virtual storage configurations.
Manual, 34 pages

GH19-0057

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AUTOFLOW FOR PL/I, COBOL, FORTRAN AND ASSEMBLER PROGRAM SPECIFICATIONS - PROGRAM PRODUCTS 5734-DC1 AND 5736-DC1
This publication provides the specification for AUTOFLOW for PL/I, COBOL, FORTRAN and ASSEMBLER Program under OS.
Flyer, 4 pages

SH19-1030

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STAF/OS PROGRAM REFERENCE MANUAL PROGRAM NUMBER 5734-XA2

STAF/OS processes all types of files to produce various types of statistical output in the form of tabular reports, graphic reports (such as histograms, scatter diagrams, or curves), and maps, with a minimum of programming effort on the part of the user.

This manual describes the functions STAF/OS is designed to perform. It also contains a description of the general processing and customer installation requirements.
Manual, 160 pages

GH19-0058

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AUTOFLOW COMPUTER DOCUMENTATION SYSTEM PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-DC1
This publication provides the specification for the AUTOFLOW Computer Documentation System, Program Number 5736-DC1.
Flyer, 4 pages

GH19-1008

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SYSTEM/360 AND SYSTEM/370 DECISION TABLE TRANSLATOR (DECTAT) FOR COBOL AND PL/I 5734-XR2
Decision tables are used to define, analyze, and document data processing applications. DECTAT introduces decision tables in programming. This program translates PL/I or COBOL oriented decision tables into a normal PL/I or COBOL program.

The resulting program is punched in cards or stored on tape or any Direct Access Storage Device (DASD), ready to be compiled without any further manipulation. DECTAT enables the user to program decision tables without having to learn a special decision table language.

The reader should have a good knowledge of decision table techniques and either the PL/I or the COBOL language. He should also be familiar with the manual Decision Tables-A Systems Analysis and Documentation Technique (GF20-8102).
Manual, 36 pages

SH19-1031

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IBM SYSTEM/360 AND SYSTEM/370 STATISTICAL ANALYSIS OF FILES (STAF/OS) OPERATIONS GUIDE - PROGRAM PRODUCT 5734-XA2

This manual contains instructions for the preparation of data files, examples of control cards and job control statements, warning and error messages issued by the program, as well as the actions taken when these messages occur.

Manual, 52 pages

SH19-1009

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SYSTEM/360 AND SYSTEM/370 DECISION TABLE TRANSLATOR (DECTAT) FOR COBOL AND PL/I PROGRAM DESCRIPTION MANUAL - PROGRAM PRODUCT 5734-XR2

Decision tables are used to define, analyze, and document data processing applications. DECTAT introduces decision tables in programming and enables the user to program his decision tables, intermixed with normal PL/I or COBOL statements, without having to learn a special decision table language. DECTAT translates both PL/I and COBOL oriented decision tables into a set of PL/I or COBOL statements and includes them in the program.

The resulting program is punched in cards or stored on tape or any Direct Access Storage Device (DASD), ready to be compiled without any further manipulation.

This manual contains the information required to program decision tables, i.e., the input to the Decision Table Translator, also a description of the outputs and functions performed by the Decision Table Translator.

A sample problem is included to show how decision tables are used to program an application.

The reader should be familiar with the contents of the Decision Table Translator, Application Description Manual (GH19-1008), also a good knowledge of the decision table technique and either the PL/I or the COBOL language is required.

In this manual the System Control Programs which permit the execution of DECTAT, that is OS/MFT, OS/MVT, OS/VS1 and OS/VS2 are all referenced by the name "OS" for clarity in this documentation.
Manual, 94 pages

SH19-1040

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S/360 AND S/370 BUDGETS AND PLANS GENERATOR (BUDEPLAN) PROGRAM REFERENCE MANUAL - PROGRAM PRODUCT 5734-F51

BUDEPLAN is an application program that processes corporate models which can be easily defined by the user. It generates budgets and medium or long-range plans in order to evaluate financially the consequences of management decisions.

This manual describes not only the functions of BUDEPLAN, but also its system concepts, inputs, outputs, and processing methods used.
Manual, 108 pages

SH19-1010

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SYSTEM/360 AND SYSTEM/370 DECISION TABLE TRANSLATOR (DECTAT) FOR COBOL AND PL/I OPERATION MANUAL - PROGRAM NUMBER 5734-XR2

This manual contains information on the preparation of the

SH19-1041

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SYSTEM/360 AND SYSTEM/370 BUDGETS AND PLANS GENERATOR (BUDEPLAN) OPERATIONS GUIDE - PROGRAM PRODUCT 5734-F51

BUDEPLAN is an application program that generates budgets and plans in order to evaluate financially consequences of management decisions.

This manual contains information describing the BUDEPLAN preparatory procedures, instructions for preparing the data files, examples of job control statements, and a listing of warning and error messages and the actions to be taken when these messages occur.
Manual, 128 pages

- GH19-1042
BUDGETS AND PLANS GENERATOR (BUDPLAN) SPECIFICATIONS
S/360/370 OS AND OS/VS - PROGRAM PRODUCT 5734-F51
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification sheet
- GH19-2000
IBM VEHICLE SCHEDULING PROGRAM--EXTENDED
GENERAL INFORMATION MANUAL
PROGRAM NUMBERS 5734-XM5 (OS), 5736-XM3 (DOS)
 This publication describes the general capabilities of the IBM Vehicle Scheduling Program--Extended (VSPX), and explains some of its various uses.
 The Vehicle Scheduling Program--Extended determines the route that a group of vehicles must travel in order to meet certain commitments in the delivery of services or products to a given number of destinations. The result is a feasible schedule representing a good balance of basic-variable values, such as travel time and number of vehicles used.
 To achieve this, the program analyzes a network representing the potential calling points and computes either the actual or the approximate distances between all points. A schedule is then produced which adheres to such restrictions as route time, speed, vehicle capacity, and customer requirements. The reader of this manual should be familiar with data processing and the IBM System/360 or the IBM System/370.
 General Information Sales and Service Manual, 28 pages
- SH19-2304
IBM VEHICLE SCHEDULING PROGRAM--EXTENDED
(OS AND DOS) PROGRAM DESCRIPTION MANUAL
PROGRAM NUMBERS 5734-XM5 (OS), 5736-XM3 (DOS)
 This manual contains detailed information about the preparation for, the functions of, and the use of the IBM Vehicle Scheduling Program--Extended (VSPX). Detailed suggestions concerning data preparation are included. The reader should be familiar with the General Information Manual IBM Vehicle Scheduling Program--Extended (OS and DOS), Form GH19-2000.
 Program Description Manual, 144 pages
- SH19-2607
IBM VEHICLE SCHEDULING PROGRAM - EXTENDED (OS)
OPERATIONS MANUAL, PROGRAM NUMBER 5734-XM5
 This manual describes the machine-readable material of the Vehicle Scheduling Program--Extended (VSPX), executed under OS, as distributed to the users. It discusses all procedures required for generating and cataloging VSPX, for the execution of VSPX jobs, and lists the error messages. This manual enables the user to install and execute VSPX.
 Operations Manual, 44 pages
- SH19-2608
IBM VEHICLE SCHEDULING PROGRAM - EXTENDED (DOS)
OPERATIONS MANUAL, PROGRAM NUMBER 5736-XM3
 This manual describes the machine-readable material of the Vehicle Scheduling Program - Extended (VSPX), executed under DOS, as distributed to the users. It discusses all procedures required for generating, cataloging, and executing VSPX. It also lists the error messages issued by VSPX.
 This manual enables the user to install and execute VSPX.
 Operations Manual, 36 pages
- GH19-2903
IBM VEHICLE SCHEDULING PROGRAM - EXTENDED (DOS)
SPECIFICATIONS - PROGRAM NUMBER 5736-XM3
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
 Program Product Specifications, 2 pages
- GH19-4000 *N
FORECASTING AND MODELING SYSTEM (FAMS) GENERAL INFORMATION
MANUAL - PROGRAM PRODUCTS 5736-XS4 (DOS VERSION), 5734-XS7
(OS VERSION)
 This manual provides general information on the Forecasting And Modeling System (FAMS). FAMS is a collection of statistical and data handling routines to build and analyze forecast models. The functions of FAMS include the creation of data files, simple forecasting, model building and evaluation, forecasting by the use of the model, and analysis of the forecast results.
 The main objectives of FAMS are to systematically process vast and tedious calculations, to update and improve models easily, and to perform various studies through formulated models.
 Manual, 48 pages
- SH19-4001 *N
FORECASTING AND MODELING SYSTEM (FAMS) PROGRAM REFERENCE
MANUAL - PROGRAM PRODUCTS 5736-XS4 (DOS VERSION), 5734-XS7
(OS VERSION)
 The IBM Forecasting and Modeling System (FAMS) is an application program package for building and analyzing forecast models through the use of statistical methods.
 This manual provides a detailed description of the five FAMS modules: FILE (Data File), PRAN (Pre-Analysis), ESTI (Estimation), CAST (Forecast), and POST (Pre-Analysis). For each module, the functions, input and output, and the methods of calculation are given.
 Manual, 456 pages
- SH19-4002 *N
FORECASTING AND MODELING SYSTEM (FAMS) OPERATIONS GUIDE
 The IBM Forecasting and Modeling System (FAMS) is an application program package for building and analyzing forecast models through the use of statistical methods.
 This manual contains information regarding preparing and operating procedures for the programs. It also includes the description of the messages that can be produced by the programs.
 Manual, 204 pages
- GH19-5012 *N
MATRIX GENERATOR AND REPORT WRITER GENERAL INFORMATION
MANUAL - PROGRAM NUMBER 5734-XMC
 MGRW is a language for rapid error-free generation of mathematical programming models, and for producing clear reports to individual requirements from the optimal solutions to these problems. This manual describes briefly the facilities of the language, and examines the advantages and savings made possible by the use of MGRW.
 Readers should have some knowledge of Mathematical Programming.
 Manual, 26 pages
- GH19-5035 *N
SIMPL/I (SIMULATION LANGUAGE BASED ON PL/I) - PROGRAM
PRODUCT GENERAL INFORMATION MANUAL - PROGRAM NO. 5734-XXB
 This manual contains a general description of SIMPL/I, the PL/I-based simulation system. A brief discussion of simulation as an aid to management is followed by a description of the design concept, highlights and use of SIMPL/I as a simulation language.
 Manual, 28 pages
- SH19-5038 *N
SIMPL/I (SIMULATION LANGUAGE BASED ON PL/I) OPERATIONS GUIDE
PROGRAM PRODUCT 5734-XXB
 This manual explains how to install the SIMPL/I System, and describes the Job Control Language statements needed to run models coded in SIMPL/I.
 Manual, 76 pages
- GH19-5039 *N
SIMPL/I (SIMULATION LANGUAGE BASED ON PL/I) - PROGRAM
PRODUCT SPECIFICATIONS - PROGRAM PRODUCT 5734-XXB
 This publication contains the specifications for the Simulation Language Based on PL/I (SIMPL/I), program number 5734-XXB.
 Program Product Specifications, 2 pages
- GH19-5041 *N
IBM S/360 AND S/370 MATRIX GENERATOR AND REPORT WRITER
(MGRW) PPS - PROGRAM NUMBER 5734-XMC
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
 Flyer
- GH19-5042
MATRIX GENERATOR AND REPORT WRITER (MGRW) PRIMER
PROGRAM PRODUCT 5734-XMC
 This manual describes the basic concepts and facilities of MGRW by working through an example of a simple linear programming problem.
 Readers are expected to be familiar with both MPSX and Linear Programming (LP).
 Manual, 66 pages
- SH19-5060 *N
SIMPL/I (SIMULATION LANGUAGE BASED ON PL/I) PROGRAM
REFERENCE MANUAL - PROGRAM PRODUCT 5734-XXB
 This publication describes the SIMPL/I Simulation Language, and illustrates its use in simulation and list-processing applications.
 Manual, 218 pages
- GH19-7000
CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) AND
GRAPHIC FEATURE (CSMP III GRAPHIC FEATURE) GENERAL
INFORMATION MANUAL - PROGRAM NUMBER 5734-XS9
 CSMP III is an IBM program product which aids development and execution of simulation models for continuously changing systems represented by differential equations. CSMP III is a significant extension of the previously available System/360 CSMP. It offers:
 o A model-building language based on and including the widely accepted FORTRAN IV language.

- o A broad selection of formats for displaying or tabulating simulation results.
- o A symbolic library system for storing and retrieving models and commonly used routines.
- o An optional Graphic Feature that dramatically reduces model development time by providing interaction between man and machine at all stages of the simulation process.

Manual, 64 pages

SH19-7001

CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) PROGRAM REFERENCE MANUAL - PROGRAM NUMBER 5734-XS9

This is an IBM program product for the simulation of continuous systems. CSMP III provides an application oriented input language that accepts models expressed in the form of either an analog block diagram or a system or ordinary differential equations. Data input and output are facilitated by application-oriented control statements.

This manual contains a general description of the program, detailed programming information, and a description of input and output.

Program Product Manual, 184 pages

SH19-7002

CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) OPERATIONS GUIDE - PROGRAM NUMBER 5734-XS9

Continuous System Modeling Program III (CSMP III) is an IBM program product for the simulation of continuous systems. CSMP III provides:

- o Functions for performing the simulation of continuous systems
- o The capability of using FORTRAN IV statements
- o A system for building, maintaining, and using as an extension to the language libraries of commonly used application-oriented routines.
- o A wide choice of formats for obtaining print-plotted and tabulated output of simulation results

This manual contains information and procedures that enable the reader to retrieve machine-readable material from the basic distribution tape, create the required system load modules, incorporate frequently used procedures into the OS procedure library (named SYS1 PROCLIB), and execute the supplied sample model. It also describes how to modify the CSMP III source and object modules to build the modified system, back up such a modified system, and maintain the CSMP III Symbolic Library data set.

Program Product Manual, 48 pages

SH19-7003

CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) GRAPHIC FEATURE - PROGRAM REFERENCE MANUAL - PROGRAM NUMBER 5734-XS9

The Graphic Feature extends the simulation capability of the Continuous System Modeling Program III, via the IBM 2250 Display Unit, to an interactive environment especially conducive to the experimental process. In combination, they are referred to in this manual as Graphic CSMP III.

This manual describes the Graphic Processor panels and explains how the user employs them to interact with his CSMP III model development, control simulation runs, and interrogate simulation results. The user is shown how to combine the Graphic CSMP III Symbolic Library and the Save data sets for on-line storage and retrieval of data, sub-models or entire models. The manual also explains how to employ the Information data set to answer questions concerning the use of CSMP III statements.

Program Product Manual, 88 pages

SH19-7004

CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) GRAPHIC FEATURE OPERATIONS GUIDE - PROGRAM NUMBER 5734-XS9

The Graphic Feature extends the simulation capability of the Continuous System Modeling Program III, via the IBM 2250 Display Unit, to an interactive environment especially conducive to the experimental process. In combination, they are referred to in this manual as Graphic CSMP III to convey this interactive capability.

This manual contains information and procedures that enable the reader to retrieve machine-readable material from the basic distribution tape, create the required system load modules, incorporate frequently used procedures into the OS procedure library (named SYS1 PROCLIB) and execute the supplied sample model. It also describes how to modify the Graphic CSMP III source and object modules, build the modified system load modules, back up such a modified system, and maintain the Graphic CSMP III Symbolic Library, Information and Save data sets.

Program Product Manual, 52 pages

GH19-7010

GRAPHIC FEATURE FOR THE CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) - PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5734-XS9

These are the program product specifications for the Graphic Feature for the Continuous System Modeling Program III (CSMP III), program number 5734-XS9.

Program Product Specifications, 4 pages

GH20-0126

ADVANCED LIFE INFORMATION SYSTEM (DOS): APPLICATION DESCRIPTION MANUAL, PROG. NOS. 360A-IL-09X, 5736-N11

This system represents a new insurance information systems approach to the maintenance, processing, and servicing of individual life insurance contracts. It provides for immediate direct access inquiry and a base for a teleprocessing communications network.

The system uses a modular programming technique to process all scheduled and nonscheduled transactions, to provide figures for annual and interim statement purposes, to update policies with cash values, dividends, and other forms of participation, and to update policies with renewable term premiums on or just before anniversary. Internal and remote interrupt capabilities provide policy status on loan, surrenders, and mode premium values.

Basically, the information contained in this manual includes a general description of the system, insurance statements describing the approach, and a discussion of the policy master record. The manual is intended to define for the reader the amount of information needed to establish the system and to serve as a guide for his early planning.

Program Product Manual, 47 pages

GH20-0136

MATHEMATICAL PROGRAMMING SYSTEM/360 APPLICATION DESCRIPTION, PROG. NOS. 360A-CO-14X (MPS/360), -15X (MARVEL), AND -20X (MPSRG)

MPS/360 is an open-ended mathematical programming system. This manual is an overview of the capabilities of the programs composing MPS/360.

Use of the MPS/360 might involve building of a mathematical model, finding an optimal solution, determining the effect of changing key data on the optimal solution, computing alternate solutions by systematically varying cost or requirements data, and preparing a management report. Application areas include material allocation, blending of ingredients, production or refinery scheduling, distribution and shipping, machine loading, waste reduction, and many other areas.

Application Program Manual, 32 pages

GH20-0149

SYSTEM/360 ONLINE TELLER PROGRAM WITH BACKGROUND PROCESSING CAPABILITY (360A-FB-16X) APPLICATION DESCRIPTION

This program furnishes System/360 programming support for 1060 systems and minimizes expenses in installing and maintaining teller terminal complexes. The Application Description gives an overview of the program, lists its advantages, discusses applications and machine-oriented concepts, presents control and audit procedures, and contains other standard sections, plus a glossary of terms.

Application Program Manual, 17 pages

GH20-0165

COMMUNICATION CONTROL APPLICATION PROGRAM (360A-SC-01X) APPLICATION DESCRIPTION

This manual introduces a program to switch administrative messages originating at remote terminal locations and destined for one or more terminal locations in the same network. A switching center maintains control of the network and performs various checks to ensure against message loss or duplication. The program provides queuing messages for output and logging messages for later retrieval. Messages destined to inoperative terminals are held in a queue until delivery is possible. The program also provides various supervisory controls for efficient operation of the system.

Application Program Manual, 14 pages

GH20-0166

SYSTEM/360 SCIENTIFIC SUBROUTINE PACKAGE (360A-CM-03X) VERSION III APPLICATION DESCRIPTION

The Scientific Subroutine Package (SSP) is a collection of over 250 FORTRAN subroutines divided, for the sake of presentation, into two groups: statistics and mathematics. Over 200 subroutines are presented in both single- and double-precision mode. SSP is a collection of input/output-free computational building blocks that can be combined with a user's input, output, or computational routines to meet his needs. The package can be applied to the solution of many problems in industry, science, and engineering.

Version 3 of the Scientific Subroutine Package for System/360 incorporates and extends the capabilities of the original SSP/360. This version provides over 40 new mathematical and statistical subroutines, 24 of which are in both single- and double-precision FORTRAN. Typical of the new capabilities is the use of the QR iteration for obtaining eigenvalues of a matrix, and the non-parametric test of Kolmogorov-Smirnov.

The Application Description presents the purpose and objectives of the program, a list of subroutines, machine configuration, programming systems, precision, and a list of reference material.

Application Program Manual, 18 pages

GH20-0173

SYSTEM/360 WHOLESALE IMPACT PROGRAM LIBRARY (360A-DW-05X) - APPLICATION DESCRIPTION

This manual describes use of the System/360 Wholesale Impact Program Library to implement the IMPACT system for scientific inventory management. The IMPACT system provides the means of deciding when to order and how much to order for items in inventory to minimize the total cost of inventory, purchasing, receiving, and lost discounts for any specified level of service. This is accomplished by using probability science in combination with an IBM System/360.

Application Program Manual, 9 pages

GH20-0181

SYSTEM/360 APT NUMERICAL CONTROL PROCESSOR VERSIONS 3 AND 4 (360-CN-10X) APPLICATION DESCRIPTION

The IBM System/360 APT uses a symbolic language to simplify the preparation of instructions for numerically controlled machine tools. The APT processor prepares intermediate data for a user-written postprocessor program.

Application Program Manual, 96 Pages

GH20-0186

GENERAL PURPOSE SIMULATION SYSTEM/360 - APPLICATION DESCRIPTION

PROGRAM NUMBERS 360A-CS-17X, 360A-CS-19X

This manual discusses the role of GPSS in system simulation, briefly describes the operation of the GPSS program, and points out its application scope. A final section describes the new entities, block types, expanded features, and system requirements of GPSS/360.

Application Program Manual, 18 pages

GH20-0194

SYSTEM/360 DATA CONVERSION UTILITIES - APPLICATION DESCRIPTION PROGRAM NUMBERS, 360A-SE-15X, 360A-SE-20X, 360A-SE-26X

This publication describes the general capabilities of IBM System/360 Data Conversion Programs and, through examples, illustrates their use.

The IBM System/360 Data Conversion Programs provide an effective and flexible capability for converting current IBM system data files to system/360 data sets. Designed as general purpose utility programs utilizing control cards, the programs will accept data sets from current IBM systems tape or DASD devices and write these data sets in the proper formats on System/360 tape or DASD devices. The programs have data transformation capability that allows maximum flexibility in resystemizing data sets for System/360.

Application Program Manual, 50 pages

GH20-0197

S/360 BILL OF MATERIAL PROCESSOR (360A-ME-06X) APPLICATION DESCRIPTION

Consists of basic program modules to create and maintain the part number master and the product structure files, program revisions required to create and maintain manufacturing routing and work center master files, and file reorganization modules.

This program represents a continued support by IBM in the areas of manufacturing application definition and implementation. The package provides manufacturing organizations with easy-to-modify programs that establish and maintain basic information files describing the structure of products and their manufacturing procedures and logic diagrams explaining the retrieval of this information in fundamental applications.

Application Program Manual, 40 Pages

GH20-0199

FLOWCHART - APPLICATION DESCRIPTION PROGRAM NUMBERS 360A-SE-22X

The IBM System/360 Flowchart is a System/360 program designed to produce program flowcharts. This documentation aid operates under the IBM Disk Operating System (DOS) and is intended to minimize the planning and effort required to produce and maintain program documentation.

It enables the user to:

1. Produce clear, standardized, easily reproduced computer-generated flowcharts.
2. Facilitate program development by keeping flowcharts continually up to date.
3. Standardize flowcharting techniques.

This publication describes the purposes and objectives of the IBM System/360 Flowchart and explains its uses. It contains a general description of the application, a discussion of the input language, an explanation of System/360 Flowchart processing, a detailed description of the statements, and miscellaneous application information.

For detailed information, the user is referred to the User's Manual.

Application Program Manual, 26 pages

GH20-0202

STUDENT SCHEDULING SYSTEM/360 APPLICATION DESCRIPTION PROGRAM NUMBERS 360A-US-06X, 360A-US-07X

Student Scheduling System/360 is a class section assignment package for scheduling students in secondary schools, vocational schools, and junior colleges. After a school has created a master schedule of course offerings, the system processes student requests to create student schedules and class lists.

This scheduling package includes two auxiliary programs. A Tally program and a Conflict Matrix program furnish the school administrator with data useful to master schedule creation. The Tally run lists the total number of students requesting each course, and the Conflict Matrix points out potential scheduling conflicts.

The new package contains improvements over many similar programs. Greater flexibility is achieved by inclusion of many new user options, such as better study hall control, common-course scheduling, an expanded pruned edit, and alternate course substitution. Parameters controlling number of periods per day, number of courses offered, sections per course, and total number of sections have been significantly enlarged. Features of the new IBM System/360 are also utilized to increase overall program effectiveness.

Application Description, 27 pages

GH20-0205

SYSTEM/360 SCIENTIFIC SUBROUTINE PACKAGE (360A-CM-03X) VERSION III PROGRAMMER'S MANUAL

This Scientific Subroutine Package (SSP) is a collection of over 250 FORTRAN subroutines divided, for the sake of presentation, into two groups: statistics and mathematics. Also, over 200 subroutines are presented in both single and double precision mode. SSP is a collection of input-output-free computational building blocks that can be combined with a user's input, output, or computational routines to meet his needs. The package can be applied to the solution of many problems in industry, science, and engineering.

Version 3 of the Scientific Subroutine Package for System/360 incorporates and extends the capabilities of the original SSP/360. This version provides over 40 new mathematical and statistical subroutines 24 of which are in both single- and double-precision FORTRAN. Examples of the new capabilities are the use of the QR iteration for obtaining eigenvalues of a matrix, and the nonparametric test of Kolmogorov-Smirnov.

This manual contains sufficient information to permit the reader to understand and use all of the subroutines of the Scientific Subroutine Package.

Application Program Manual, 456 pages

GH20-0210

PROJECT MANAGEMENT SYSTEM (360A-CP-04X) VERSION 2 FOR IBM SYSTEM/360 - APPLICATION DESCRIPTION

PMS/360 is a highly modular set of computer program routines, each performing one function common to many management applications. It is open-ended - that is, the number of functions under PMS/360 can be expanded and added to. It is versatile - that is, the user can control program logic without resorting to reprogramming. Output reports can be defined with a single set of procedural statements and can be revised with every computer run if required. The computer code itself is written in a way that simplifies modification, if this ever becomes necessary. At present, PMS/360 contains the following three modules: a Network Processor, a Cost Processor, and a versatile Report Processor. In suitable combinations these processors will accomplish the data processing required in critical path analysis, PERT, and PERT Cost.

Application Program Manual, 28 pages

GH20-0217

SYSTEM/360 COBOL EDIT ON THE 1401 PROGRAM REFERENCE MANUAL (1401-SE-13X)

This program is of benefit to System/360 COBOL users in detecting syntactical errors in System/360 COBOL program statements before compilation of the System/360.

The program reference manual contains complete data on the application description, programming information, and operating instructions. Systems information is not presented in detail.

Application Program Manual, 22 pages

GH20-0220

STUDENT SCHEDULING SYSTEM/360 THE TALLY AND CONFLICT MATRIX PROGRAMS (360A-US-06X) USER'S MANUAL

Use of the Tally and Conflict Matrix programs of Student Scheduling System/360 is facilitated by this combined programmer's and operator's manual. These two programs furnish the school administrator the data needed to create the best possible master schedule of course and section offerings, prior to use of the Scheduler Program.

The Tally program accumulates the number of students requesting each course, by sex and by grade. These counts are used to determine how many sections of a given course are required. Those courses shown to require one- or two-section offerings are entered into the Conflict Matrix program, which is then used to point out potential

scheduling conflicts.

The programmer's section of this manual contains program systems charts, general program description, I/O description, program modification aids, sample problem, etc. The operator's section contains program setup sheet, console operator's instructions, message list, storage maps, and restart procedures.
Application Program Manual, 29 pages

GH20-0222

SYSTEM/360 PROJECT CONTROL SYSTEM (360A-CP-06X) VERSION 2 APPLICATION DESCRIPTION

This manual presents a brief description of a project control system, and discusses the design, features, and input/output characteristics of a computer program developed to serve as a data processing element of such a system. Although the IBM System/360 Project Control System is designed primarily for those areas of government and industry concerned with construction, repair, or maintenance, its features are such that it can meet the critical path requirements of a broad range of users, regardless of industry.
Application Program Manual, 22 pages

GH20-0232

SYSTEM/360 DATA CONVERSION UTILITY I PROGRAMMER'S MANUAL (360A-SE-15X)

This program is useful in converting IBM 1620/1401/1440/1460/1410/7010 card, tape, and DASD data files to System/360 tape or DASD data sets.

The Programmer's Manual presents a general and detailed description of the program and its operation under the IBM System/360 Basic Operating System (8K disk). In addition, the individual modules, standard program interfaces, and incorporation of user modules are discussed.

The reader should be familiar with IBM SYSTEM/360 DATA CONVERSION UTILITY I - APPLICATION DESCRIPTION, Form H20-0194, IBM BASIC OPERATING SYSTEM/360 ASSEMBLER WITH INPUT/OUTPUT MACROS (8K DISK), Form C24-3361, and IBM BASIC OPERATING SYSTEM/360 PROGRAMMER'S GUIDE, Form C24-3372.
Application Program Manual, 86 pages

GH20-0233

SYSTEM/360 DATA CONVERSION UTILITY I OPERATOR'S MANUAL (360A-SE-15X)

This program is useful in converting IBM 1620/1401/1440/1460/1410/7010 card, tape, and DASD data files to System/360 tape or DASD data sets.

The Operator's Manual presents a program setup sheet, console operating instructions, message list, storage maps and restart procedures.

The reader should be familiar with SYSTEM/360 DATA conversion utilities - application description, (GH20-0194), IBM System/360 Data Conversion Utility I - Programmer's Manual, (GH20-0232), and IBM Basic Operating System/360 Operating Guide, order number GC24-3450.
Application Program Manual, 32 pages

GH20-0239

STUDENT SCHEDULING SYSTEM/360 THE SCHEDULER PROGRAM (360A-US-07X) USER'S MANUAL

Student Scheduling System/360 is a class section assignment program for scheduling students in secondary schools, vocational schools, and junior colleges. After a school has created a master schedule of course offerings, the system processes student requests to create student schedules and class lists.

This manual contains a detailed explanation of the scheduler program within the scheduling application framework, with special emphasis on input data and output reports. It also included an "Operator's Section", which describes operational setup and running procedures.
Manual, 64 pages

GH20-0240

SYSTEM/360 CONTINUOUS SYSTEM MODELING PROGRAM (360A-CX-16X) APPLICATION DESCRIPTION

This is an IBM System/360 program for the simulation of continuous systems. It provides an application-oriented input language that accepts problems expressed in the form of either an analog block diagram or a system of ordinary differential equations. Data input and output are facilitated by means of application-oriented control statements.

This manual contains a general description of the application, the machine configuration, a general systems chart, and a sample problem.
Application Program Manual, 30 pages

GH20-0242

SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR OS/360 APPLICATION DESCRIPTION PROGRAM NUMBER 360A-SE-33X

This manual describes the macro-instruction support which enables a System/360 with OS/360 to communicate with STR-type terminal devices. The level of support is discussed, and the language is briefly described.
Application Program Manual, 12 pages

GH20-0243

SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR DOS/360 APPLICATION DESCRIPTION

This manual describes the macro-instruction support which enables a system/360 with DOS/360 to communicate with STR-type terminal devices. The level of support is discussed, and the language is briefly described.
Application Program Manual, 8 pages

GH20-0244

COMMUNICATIONS CONTROL APPLICATION PROGRAM (360A-SC-01X) PROGRAMMER'S MANUAL

This manual is intended to supply an overall understanding of the CCAP system concepts. It contains sufficient information to allow a systems programmer to plan and design a CCAP installation.
Application Program Manual, 52 pages

GH20-0245

COMMUNICATIONS CONTROL APPLICATION PROGRAM (360A-SC-01X) (CCAP) OPERATOR'S MANUAL

This manual is intended for use as a console operator's guide. The information herein includes those items necessary for daily operation of the CCAP system. The manual presents loading instructions, a section describing each console control order with associated printed outputs, header error TTY outputs, and error outputs that may occur during operation.
Application Program Manual, 28 pages

GH20-0246

S/360 BILL OF MATERIAL PROCESSOR (360-ME-06X) VERSION 2 PROGRAMMER'S MANUAL

Consists of basic program modules to create and maintain the part number master and the product structure files, program revisions required to create and maintain manufacturing routing and work center master files, and file reorganization modules.

This program represents a continued support by IBM in the areas of manufacturing application definition and implementation. The package provides manufacturing organizations with easy-to-modify programs that establish and maintain basic information files describing the structure of products and their manufacturing procedures and logic diagrams explaining the retrieval of this information in fundamental applications.
Application Program Manual, 397 Pages

GH20-0254

S/360 BILL OF MATERIAL PROCESSOR (360A-ME-06X) VERSION 2 OPERATOR'S MANUAL

Consists of basic program modules to create and maintain the part number master and the product structure files, program revisions required to create and maintain manufacturing routing and work center master files, and file re-organization modules.

This program represents a continued support by IBM in the areas of manufacturing application definition and implementation. The package provides manufacturing organizations with easy-to-modify programs that establish and maintain basic information files describing the structure of products and their manufacturing procedures and logic diagrams explaining the retrieval of this information in fundamental applications.
Application Program Manual, 97 Pages

GH20-0255

SYSTEM/360 WHOLESALE IMPACT PROGRAM LIBRARY (360A-DW-05X) - USER'S MANUAL

This program library provides a distributor with the information necessary to determine when and how much to order. This minimizes the total cost of carrying inventory purchasing, receiving, freight charges, and lost discounts for any specified level of service. The program library uses probability science in combination with an IBM System/360.

The IMPACT programs are grouped into two categories: initializing and estimating programs, and operating programs. Five programs are provided for initializing and estimating purposes: (1) edit run, (2) mean absolute deviation and forecast model run, (3) order quantity and order model run, (4) safety stock and safety factor run, and (5) report generator run. Three programs are provided for operating purposes: (1) service point and variable interval allocation run, (2) fixed interval allocation run, and (3) allocation print run.

The User's Manual contains a general description of the overall program and a detailed description of each subprogram.
Application Program Manual, 134 pages

GH20-0256

SYSTEM/360 WHOLESALE IMPACT PROGRAM LIBRARY (360A-DW-05X) - OPERATOR'S MANUAL

This program library provides a distributor with the information necessary to determine when and how much to order. This minimizes the total cost of carrying inventory purchasing, receiving, freight charges, and lost discounts

for any specified level of service. The program library uses probability science in combination with an IBM System/360 Data Processing System.

The IMPACT programs are grouped into two categories: initializing and estimating programs, and operating programs. Five programs are provided for initializing and estimating purposes: (1) edit run, (2) mean absolute deviation and forecast model run, (3) order quantity and order model run, (4) safety stock and safety factor run, and (5) report generator run. Three programs are provided for operating purposes: (1) service point and variable interval allocation run, (2) fixed interval allocation run, and (3) allocation print run.
Application Program Manual, 60 pages

GH20-0262

SYSTEM/360 DEMAND DEPOSIT ACCOUNTING (360A-FB-15X) -
--OPERATOR'S MANUAL

This manual contains operating instructions for the runs that make up the System/360 Demand Deposit Accounting application program. It includes instructions for preparation of all I/O units, and, for each program, a program setup sheet, operating instructions, operator message list, and core map.

Application Program Manual, 9 pages

GH20-0263

SYSTEM/360 DEMAND DEPOSIT ACCOUNTING (360A-FB-15X)
PROGRAMMER'S MANUAL

This program is adaptable by commercial banks to accomplish demand deposit accounting in either a single or multi-bank environment. The program provides for conversion of IBM 1440 series disk and tape balance and name/address records. Also included are programs to collect and display historical profit and loss information for selected accounts or groups of accounts.

For each program, this manual presents a program abstract, program systems chart, and general description. Where applicable, some program modification aids are included.

The input/output section includes a summary for all files by type (card, disk, tape, printer, and MICR) and a visual record layout and description of file functions.
Application Program Manual, 245 pages

GH20-0283

PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS):
APPLICATION DESCRIPTION, PROG. NOS. 5736-N21/22/24/25 AND
360A-IF-10X/11X/13X

The power and capacity of the IBM System/360 make possible the use of powerful techniques in insurance data processing. The Property and Liability Information System is designed to implement these techniques. The system represents a new insurance information systems approach to the maintenance and processing of insurance contracts in a property and liability company. It provides on-line status inquiry and a base for a teleprocessing communications network.

The system uses a modular programming technique to process the following transactions for all lines of insurance: new business, renewals, endorsements - money and non-money, cancellations, direct billing, premium collections, claims arising, claims updating, and status inquiries. Programs are written in a modular fashion to permit ease of understanding, maintenance, and modification, thus permitting each user to modify the system to his own specific needs.

The heart of this system is the detailed policy master file stored on the IBM 2321 Data Cell Drive or the IBM 2314. Since the file will be updated daily, every record will be current as of the last transaction processed and applied to the policy. For homeowners with private passenger automobile, the system provides rating for new business, renewals, endorsements, and cancellations; it also maintains the policy record.

This manual contains a general description of the system. It is intended to define for the reader the amount of information needed to evaluate PALIS initially.
Program Product, Application Description Manual, 48 pages

GH20-0285

SYSTEM/360 DATA CONVERSION UTILITY III, VERSION 2
PROGRAMMER'S MANUAL (360A-SE-26X)

These macros will be helpful in converting IBM 705/1401 1410/1440/1460/1620/7010/7040/7044/7070/7074/7080/7090/7094 card or tape data files to System/360 tape or DASD data sets.

This manual presents a general and detailed description of the program and its operation under the IBM System/360 Tape Operating System and the IBM System/360 Disk Operating System. In addition, the macro capabilities, standard program interfaces, and incorporation of user instructions are discussed.

The reader should be familiar with the corresponding Manual, (GH20-0286), and with those IBM System/360 manuals listed in the application directory.
listed in the Application Directory.
Application Program Manual, 94 pages

GH20-0286

SYSTEM/360 DATA CONVERSION UTILITY III, VERSION 2
OPERATOR'S MANUAL
PROGRAM NUMBER 360A-SE-26X

This program will be useful in converting IBM 705/1401 /1410/1440/1460/1620/7010/7040/7044/7070/7074/7080/7090/7094 card and tape data files to System/360 tape or DASD data sets.

This manual presents operating procedures, a message list, restart procedures, and a program setup sheet.

The reader should be familiar with the corresponding application description, (GH20-0194), and programmer's manual, (GH20-0285), and with IBM System/360 Tape Operating System, Operating Guide, (GC24-5021), or IBM System/360 Disk Operating System, Operating Guide, order number GC24-5022.

Application Program Manual, 18 pages

GH20-0290

MATHEMATICAL PROGRAMMING SYSTEM/360 (360A-CO-14X) VERSION 2
CONTROL LANGUAGE USER'S MANUAL

This manual is one of a series of manuals which describe the use of the IBM Mathematical Programming System/360 (MPS/360). This manual describes the organization of the components of MPS/360 and their interface with Operating System/360 OS/360. It also describes in detail the control language used to communicate a solution strategy for solving a mathematical programming problem to MPS/360, and OS/360 job control language statements necessary to execute MPS/360.

Application Program Manual, 44 pages

GH20-0293

SYSTEM/360 FLOWCHART USER'S MANUAL (360A-SE-22X)

The IBM System/360 Flowchart is a System/360 program designed to produce program flowcharts. This documentation aid operates under the IBM Disk Operating System (DOS) and is intended to minimize the planning and effort required to produce program flowcharts. This documentation aid operates under the IBM Disk Operating System (DOS) and is intended to minimize the planning and effort required to produce program flowcharts. This documentation aid operates under the IBM Disk Operating System (DOS) and is intended to minimize the planning and effort required to produce and maintain program documentation.

It enables the user to:

1. Produce clear, standardized, easily reproduced computer-generated flowcharts.
2. Keep flowcharts continually up to date.
3. Standardize flowcharting techniques.

This reference publication contains the specifications and detailed instructions for using the System/360 Flowchart program. The only prerequisite for reading it is a basic understanding of flowcharting.

Application Program Manual, 56 pages

GH20-0294

SYSTEM/360 FLOWCHART OPERATOR'S MANUAL
PROGRAM NUMBER 360A-SE-22X

The IBM System/360 Flowchart is a System/360 program designed to produce program flowcharts. This documentation aid operates under the IBM Disk Operating System (DOS) and is intended to minimize the planning and effort required to produce and maintain program documentation.

It gives the user the ability to:

1. Produce clear, standardized, easily reproduced computer-generated flowcharts.
2. Keep flowcharts up to date continually.
3. Standardize flowcharting techniques.

This reference publication gives the specifications and detailed information for operating the System/360 Flowchart program. It contains the console operating instructions, job control card deck key, job control card details, halt and message list, a file and storage map, and restart procedures.

A knowledge of DOS operating procedures, including the use of job control card, is a prerequisite for reading and using this manual.

Application Program Manual, 20 pages

GH20-0297

SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM-OS (ATS/OS)
(360A-CX-19X) APPLICATION DESCRIPTION MANUAL

This system consists of control and functional programs that permit many different text-processing and data-handling activities to be carried on simultaneously through different typewriter terminals attached to an IBM System/360. Written to operate under OS/360, the Administrative Terminal System runs in a multiprogramming environment. It will run concurrently with and independently of other tasks in other partitions/regions.

This publication contains a general discussion of the features of the program, an indication of some of the areas in which it may be applied, and the machine configuration required. Three appendices are included dealing with data formats, core storage estimates, and communication line requirements.

Application Program Manual, 24 pages

GH20-0302

SHARED HOSPITAL ACCOUNTING SYSTEM (SHAS)
VERSION 2 APPLICATION DESCRIPTION, PROG. NO. 360A-UH-11X
The Shared Hospital Accounting System (SHAS) provides hospital accounting for a multiple hospital environment. The participating hospitals are connected to the central System/360 facility by teleprocessing terminals.

SHAS consists of application programs and a supervisory and teleprocessing executive. The application programs are patient billing, accounts receivable, and general ledger including allocation for Medicare. Accounting for both inpatients and outpatients is provided. SHAS determines Medicare insurance prorations, facilitating the preparation of Medicare inpatient and outpatient billing forms.

Manual, 30 pages

GH20-0304

GENERAL PURPOSE SIMULATION SYSTEM/360
INTRODUCTORY USER'S MANUAL

PROGRAM NUMBERS 360A-CS-17X, 360A-CS-19X
This publication provides a basic introduction to the use of the General Purpose Simulation System/360 (GPSS/360). It is written for those individuals who have not had previous simulation experience.

Examples are given throughout the manual to emphasize the basic features of the GPSS/360 program. A complete and detailed description of all the GPSS/360 features may be found in the GPSS/360 User's Manual (H20-0326). Readers are advised to obtain a copy of the User's Manual when they begin to write more sophisticated models.

The information presented in this manual should enable most readers to apply the program intelligently within a short period of time.

DP Application Manual, 92 pages

GH20-0305

SYSTEM/360 ON LINE TELLER PROGRAM WITH BACKGROUND PROCESSING
CAPABILITY (PROGRAM NUMBER 360A-FB-16X) PROGRAMMER'S MANUAL

This program furnishes System/360 programming support for 1060 systems and minimizes expenses in installing and maintaining teller terminal complexes. This manual presents the program logic and data definitions for the program. It enables a user to plan modifications to the program to suit his own requirements.

Application Program Manual, 183 pages

GH20-0309

SYSTEM/360 APT NUMERICAL CONTROL PROCESSOR VERSION 4
PART PROGRAMMING MANUAL PROGRAM NUMBER 360A-CN-10X

This program has been developed to span the gap between the engineering drawing and the machine tool control system.

This manual describes APT (Automatic Programmed Tool), a programming system that uses an English-like language to describe a part shown as an engineering drawing. The statements are keypunched into cards, converted by the APT processor into an intermediate format, and then converted to instructions that can be read by the machine tool controller.

Application Program Manual

GH20-0311

GENERAL PURPOSE SIMULATION (360A-CS-17X) SYSTEM/360-OS -
OPERATOR'S MANUAL

This publication contains information that will enable the user to link-edit and incorporate the GPSS/360 program into a system for subsequent execution under the control of OS/360. Detailed examples are given for editing the GPSS/360 program into a private JOBLIB or the OS/360 SYS. LINKLIB; several other examples illustrate the OS/360 cards required to execute models that use various features provided by GPSS/360.

The Operator's Manual describes and illustrates a method (REALLOCATION) whereby the user can reallocate the quantity of GPSS/360 entities and effectively use all available core on a given machine. The various data sets required by GPSS/360 are also listed and described.

Application Program Manual, 38 pages

GH20-0314

SYSTEM/360 DATA CONVERSION UTILITY II, VERSION 3
(DIRECT ACCESS INDEXED SEQUENTIAL) - OPERATOR'S MANUAL
(360A-SE-20X)

This program will be useful in converting IBM 705/1410/7010/7044/7070/7074/7080/7090/7094 card, tape, and DASD data files to System/360 tape or DASD data sets.

This manual presents a program setup sheet, console operating instructions, and a message list.

Application Program Manual, 14 pages

GH20-0315

IBM SYSTEM/360 DOCUMENT PROCESSING SYSTEM (360A-CX-12X)
APPLICATION DESCRIPTION

The System/360 Document Processing System operates under the control of Operating System/360, processing narrative and bibliographic data into a set of interrelated data sets. These data sets can then be searched for Boolean

combinations of keywords. Various elements of the data sets can be manipulated by a set of special utilities to produce various forms of indexes.

Without limiting the system to a specific application, because no such limit exists, this manual surveys the operational concepts and capabilities of System/360 Document Processing. Routines within the system are written in the OS/360 Assembler Language and require no further coding on the part of the system user.

Application Program Manual, 24 pages

GH20-0318

CUSTOMER INFORMATION CONTROL SYSTEM (CICS) OS-STANDARD V1
WITH LANGUAGE/TERMINAL (L/T) FEATURE: APPLICATION DESCRIPTION, PROG. NO. 5736-U11

The IBM Customer Information Control System is a program modularly constructed and designed to assist customers in the installation of on-line information systems. It functions as an interface program between user-written processing programs and the IBM System/360 Operating System (OS/360); the control system with the user-written programs and OS/360 comprise an information system. Through a series of macro instructions, the user invokes the facilities of the IBM Customer Information Control System.

This manual describes the IBM basic Customer Information Control System Program Product and the Language/Terminal (L/T) Feature. The Language/Terminal (L/T) Feature is separately licensed and provides:

1. PL/I - COBOL Interface
2. Extended Terminal Support for
 - a. 1030 Data Collection System
 - b. 2741 Communications Terminal
 - c. Binary Synchronous Communication support for System/360, System/360 Model 20, 1130 Computing System, and 2780 Data Transmission Terminal
 - d. Dial-up Support Switched line support for 2740 Communications Terminal Model 1, 2741 Communications Terminal, and 1050 Data Communication System.

Program Product, Application Description, 39 pages

GH20-0319

SYSTEM/360 DATA CONVERSION AND LABEL PROCESSING SUBROUTINES,
VERSION 2 PROGRAM REFERENCE MANUAL (360A-SE-23X)

This manual contains a description of a set of subroutines that may be used in converting data files from current system formats to System/360 formats and vice versa. The subroutines available for processing current system data file formats are listed and described. Also, the use of the subroutines is shown by example.

Application Program Manual, 70 pages

GH20-0321

IBM SYSTEM/360 AND SYSTEM/370 ATTACHED SUPPORT PROCESSOR
SYSTEM (ASP) VERSION 2 CONSOLE OPERATOR'S MANUAL
PROGRAM NUMBER 360A-CX-15X

This manual contains instructions that will permit the console operator to operate the ASP system. ASP console operation is identical in most respects to IBM System/360 console operation. Therefore, to avoid repetition of documentation, the material in this manual has been prepared on the assumption that the operator is familiar with IBM System/360 operation. Details concerning System/360 operations are found in IBM System/360 Operating System, Operator's Guide (GC28-6540), and in its prerequisite and recommended publications. If the 709X Emulator is to be used, the ASP operator should also be familiar with IBM System/360 -- Conversion Aids -- 709/7090/7094/7094II Emulator Program (GC28-6565).

Manual, 205 pages

GH20-0322

IBM SYSTEM/360 AND SYSTEM/370 ATTACHED SUPPORT PROCESSOR
SYSTEM (ASP) VERSION 2, APPLICATION PROGRAMMER'S MANUAL
PROGRAM NUMBER 360A-CX-15X

The Attached Support Processor (ASP) system is an operating system that provides a compatible extension to Operating System/360 (OS/360). Designed primarily for the commercial and scientific customer with a computer job shop environment, ASP provides for increased automation of the computing operation. The ASP system operates as a programmed operator of OS/360, providing an operational interface for controlling the system job stream, and thus optimizing the use of the computer's resources.

This manual contains detailed information concerning system concepts, programming considerations, control cards, deck setup, and output. OS/360 is the primary operating system used for ASP; therefore, to avoid repetition of documentation, the material in this manual has been prepared on the assumption that the programmer is familiar with OS/360 programming. Details of OS/360 utilization are found in IBM Operating System/360 Job Control Language, System Reference Library (GC28-6539), and in its prerequisite and recommended publications.

Manual, 52 pages

GH20-0323

IBM SYSTEM/360 AND SYSTEM/370 ATTACHED SUPPORT
PROCESSOR SYSTEM (ASP) VERSION 2, SYSTEM PROGRAMMER'S
MANUAL PROGRAM NUMBER 360A-CX-15X

The Attached Support Processor (ASP) system is an operating system that provides a compatible extension to Operating System/360 (OS/360). Designed primarily for the commercial and scientific customer with a computer job shop environment, ASP provides for increased automation of the computing operation. The ASP system operates as a programmed operator of OS/360, providing an operational interface for controlling the system job stream, and thus optimizing the use of the computer's resources.

This manual contains detailed information concerning the internal operations of the ASP system and includes a functional description, instructions for writing Dynamic Support Programs and for generating the system, and a description of modifications to OS/360 and 709X Emulator programs.

Manual, 206 pages

GH20-0325

SYSTEM/360 ONLINE TELLER PROGRAM WITH BACKGROUND PROCESSING
CAPABILITY (PROGRAM NUMBER 360A-FB-16X) OPERATOR'S MANUAL

This manual includes operating procedures for the Online Teller Program as well as the Conversion, Reorganization, and Control Pack Setup programs. It also contains a discussion of testing aids.

Application Program Manual, 29 pages

GH20-0326

GENERAL PURPOSE SIMULATION SYSTEM/360 USER'S MANUAL

This publication is an extension and amplification of the GPSS/360 Introductory User's Manual (H20-0304-0). It provides a detailed description and explanation of the component parts and operation of the GPSS/360 program. Examples illustrating the uses of GPSS/360 are given in appropriate sections of the manual. This manual should enable the reader to construct and simulate models using the full capabilities of GPSS/360.

Application Program Manual, 246 pages

GH20-0327

GENERAL PURPOSE SIMULATION SYSTEM/360, DISK OPERATING
SYSTEM (360A-CS-19X) OPERATOR'S MANUAL

This publication contains information that will enable the user to link-edit and incorporate the GPSS/360 program into a system for subsequent execution under the control of DOS/360.

A method (REALLOCATION) whereby the user can reallocate the quantity of GPSS/360 entities and effectively use all available core on a given machine is described and illustrated. The various data sets required by GPSS/360 are also listed and described.

Application Program Manual, 22 pages

GH20-0329

SYSTEM/360 PRODUCT STRUCTURE RETRIEVAL PROGRAM
APPLICATION DESCRIPTION
PROGRAM NUMBERS 360A-ME-07X

The IBM System/360 Product Structure Retrieval Program is an implementation package used to retrieve product structure records created and maintained by the System/360 Bill of Material Processor Program (360A-ME-06X). The package will contain (1) generalized programs to retrieve product structure records, (2) flexible user report formats, and (3) logic diagrams explaining the retrieval and use of the information in manufacturing applications.

This manual contains a general description of the application, the machine configuration, general systems charts, and a discussion of input/output files.

Application Program Manual, 24 Pages

GH20-0331

SYSTEM/360 APT NUMERICAL CONTROL PROCESSOR
(360A-CN-10X) VERSION 4 OPERATIONS MANUAL

This manual provides suggested processor generation and maintenance techniques, program setup instructions, console operating instructions, halts and error messages, storage map, and restart procedures.

Application Program Manual, 44 pages

GH20-0344

PROJECT MANAGEMENT SYSTEM/360 (360A-CP-04X) VERSION 2
PROGRAM DESCRIPTION AND OPERATIONS MANUAL

This manual provides a detailed description of the three component parts of PMS/360: the Network Processor, the Cost Processor, and the Report Processor. It provides in detail the format of input required, the methods of calculation followed, and an explanation of the output generated by each processor. It also defines OS/360 Job Control cards required to run the three processors.

This manual will enable the user to perform critical path analysis as well as PERT and PERT/Cost analyses.

Application Program Manual, 488 pages

GH20-0346

SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR DOS/360
USER'S MANUAL (360A-SE-32X)

This publication describes the Synchronous Transmit-Receive Access Method for DOS/360. The STR access method provides macro instructions and routines to support STR transmission under program control. The macro instructions are described for the following functions:

1. Environment definition
2. Line control
3. Data transmission
4. Code conversion

In addition, the STR error messages are described and a macro instruction summary is given.

Prerequisites are:

- A basic knowledge of System/360 machine concepts.
- A basic knowledge of DOS/360.

A knowledge of the principles of STR data transmission. Application Program Manual, 36 pages

GH20-0347

SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR DOS/360
OPERATOR'S MANUAL (360A-SE-32X)

This publication describes the operator actions when using the Synchronous Transmit-Receive Access Method for DOS/360. Topics include establishing a data line, error messages, and maintenance.

Application Program Manual, 8 pages

GH20-0349

SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR OS/360 USER'S
MANUAL (360A-SE-33X)

This publication describes the Synchronous Transmit-Receive Access Method for OS/360. The STR Access Method provides macro instructions and routines to support STR transmission under program control. The macro instructions are described for the following functions:

1. Environment definition
2. Line control
3. Data transmission
4. Buffer management
5. Code conversion

In addition, the STR error messages are described and a macro instruction summary is given. Prerequisites are: a basic knowledge of System/360 machine concepts, a basic knowledge of OS/360, and a knowledge of the principles of STR data transmission.

Application Program Manual, 58 pages

GH20-0350

SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR OS/360
OPERATOR'S MANUAL (360A-SE-33X)

This publication describes the operator actions when using the Synchronous Transmit-Receive Access Method for OS/360. Topics include establishing a data line, error messages, and maintenance.

Application Program Manual, 8 pages

GH20-0352

1400 AUTOCODER TO COBOL CONVERSION AID PROGRAM - APPLICATION
DESCRIPTION (360A-SE-19X)

This document provides information about the 1400 Autocoder to COBOL Conversion Aid Program (ACCAP) and its resulting COBOL programs. The information provided should enable the user to evaluate ACCAP for his installation before its use.

The manual contains a general description of ACCAP, a discussion of the overall program conversion process, and some testing experiences with the program.

Application Program Manual, 25 pages

GH20-0354

SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM (RAX)
(360A-CX-17X) VERSION 4 PROGRAM DESCRIPTION MANUAL

This publication provides the information necessary to use the IBM System/360 Remote Access Computing System (RAX). It contains a description of the system, which provides concurrent access to a System/360 Model 30, 40, or 50, for up to 63 communications terminals. This system provides for the compilation and execution of Basic FORTRAN IV and Basic Assembler Language programs and the maintenance of program and data files in a library structure.

Application Program Manual, 144 pages

GH20-0355

SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM (RAX)
(360A-CX-17X) VERSION 3 OPERATIONS MANUAL

This publication provides the System/360 machine operator with detailed instructions for starting, running, and stopping the Remote Access Computing System (RAX). It includes machine requirements, description of online messages and their meanings, and restart procedures. This manual also includes the procedures required for system generation and library maintenance.

Application Program Manual, 42 pages

GH20-0367

SYSTEM/360 CONTINUOUS SYSTEM MODELING PROGRAM (360A-CX-16X) USER'S MANUAL

This is an IBM System/360 program for the simulation of continuous systems. It provides an application-oriented input language that accepts problems expressed in the form of either an analog block diagram or a system of ordinary differential equations. Data input and output are facilitated by application-oriented control statements.

This manual contains a general description of the program, detailed programming information and a description of the inputs and outputs.

Application Program Manual, 64 pages

Application Program Manual, 164 Pages

GH20-0368

SYSTEM/360 CONTINUOUS SYSTEM MODELING PROGRAM (360A-CX-16X) OPERATIONS MANUAL

This is an IBM System/360 program for the simulation of continuous systems. It provides an application-oriented input language that accepts problems expressed in the form of either an analog block diagram or a system of ordinary differential equations.

This manual contains information and procedures that will enable the user to incorporate the System/360 Continuous System Modeling Program into an Operating System/360 library; to include a procedure in the Operating System/360 procedure library (OS/360 SYS1.PROCLIB); and subsequently to execute S/360 CSMP under the control of, and using the services of, OS/360.

Application Program Manual, 18 pages

GH20-0369

SYSTEM/360 PRODUCT STRUCTURE RETRIEVAL PROGRAM (360A-ME-07X) PROGRAMMER'S MANUAL

The program provides manufacturing organizations with easy-to-modify routines that retrieve records or a series of records which have been organized and maintained by the Bill of Material Processor Program (360A-ME-06X).

Six types of retrieval reports are included with this program. They are:

- Single Level Explosion
- Indented Explosion
- Summarized Explosion
- Single Level Implosion
- Indented Implosion
- Summarized Implosion

This program is designed to run under IBM Basic Operating System/360 or IBM Disk Operating System/360.

Application Program Bulletin, 44 Pages

GH20-0370

SYSTEM/360 PRODUCT STRUCTURE RETRIEVAL PROGRAM (360A-ME-07X) OPERATOR'S MANUAL

The program provides manufacturing organizations with easy-to-modify routines that retrieve records or a series of records which have been organized and maintained by the Bill of Material Processor Program (360A-ME-06X). Six types of retrieval reports are included with this program.

- They are:
- Single Level Explosion
 - Indented Explosion
 - Summarized Explosion
 - Single Level Implosion
 - Indented Implosion
 - Summarized Implosion

This program is designed to run under IBM Basic Operating System/360 or IBM Disk Operating System/360.

Application Program Bulletin, 16 Pages

GH20-0372

MATHEMATICAL PROGRAMMING SYSTEM/360 (360A-CO-14X) VERSION 2 READ COMMUNICATIONS FORMAT (READCOMM) PROGRAM REFERENCE MANUAL

This manual provides the system user with the information necessary to use the Read Communications Format (READCOMM) feature of MPS/360. READCOMM is a subroutine that enables the user to augment MPS/360 with procedures written in the FORTRAN language.

This manual assumes that the user is familiar with the MPS/360 Application Description (GH20-0136), the MPS/360 Control Language User's Manual (GH20-0290), the MPS/360 Linear Programming User's Manual (GH20-2091), and the FORTRAN programming language.

Program Application Manual, 52 pages

GH20-0373

S/360 AUTOSPOT NUMERICAL CONTROL PROCESSOR VERSION 2: "PART" PROGRAMMING MANUAL - PROG. NO. 360A-CN-08X

This program is designed to implement computer preparation of input to machine tool controllers for point-to-point operations and simple milling operations. Significant time savings can be realized when this technique is used in place of tedious manual methods.

The AUTOSPOT Numerical Control Processor is an interpreter for calculating machine tool coordinates required to perform point-to-point and simple milling operations defined in a "part program".

The processor is written in System/360 Assembly Language and operates under the Disk Operating System.

GH20-0374

S/360 AUTOSPOT (360A-CN-08X) AND AD-APT/AUTOSPOT (360A-CN-09X) NUMERICAL CONTROL PROCESSORS-VERSION 2 OPERATOR'S MANUAL

This program is designed to implement computer preparation of input to machine tool controllers for point-to-point operations and simple milling operations. Significant time savings can be realized when this technique is used in place of tedious manual methods.

The AUTOSPOT Numerical Control Processor is an interpreter for calculating machine tool coordinates required to perform point-to-point and simple milling operations defined in a "part program".

The processor is written in System/360 Assembly Language and operates under the Disk Operating System.

Application Program Manual, 12 Pages

GH20-0375

SYSTEM/360 AD-APT/AUTOSPOT NUMERICAL CONTROL PROCESSOR (360A-CN-09X) VERSION 2 PART PROGRAMMING MANUAL

The IBM N/C 360 adaptation of APT for small computers (AD-APT) uses a symbolic language to simplify the preparation of instructions for numerically controlled machined tools. The AD-APT processor prepares intermediate data for a user-written postprocessor program.

This manual contains the definition and examples of the AD-APT symbolic language.

Application Program Manual, 128 Pages

GH20-0376

PROJECT CONTROL SYSTEM/360 (360A-CP-06X) VERSION 2 PROGRAM DESCRIPTION AND OPERATIONS MANUAL

The Project Control System serves as the data processing element of a system that helps management carry out its functions of planning and supervising projects, within a broader environment of operations and procedures. Although designed primarily for those areas of government and industry concerned with construction, repair, or maintenance, the system will meet the critical path requirements of a broad range of users, irrespective of industry. It will process data from networks planned in either precedence-diagramming or arrow-diagramming methods. The system consists of a set of routines stored on disk. The sequence of processing and system outputs is controlled by the system control card, the type of input data to be processed, and the output report requests submitted at run time. Output reports include schedule listings, bar charts, and basic resource and cost summarization reports. Updating capability is provided for network restructuring as well as progress reporting for in-process work items.

Application Program Manual, 146 pages

GH20-0462

S/360 AUTOSPOT NUMERICAL CONTROL PROCESSOR: APPLICATION DESCRIPTION, PROG. NO. 360A-CN-08X

This program is designed to implement computer preparation of input to machine tool controllers for point-to-point operations and simple milling operations. Significant time savings can be realized when this technique is used in place of tedious manual methods.

The AUTOSPOT Numerical Control Processor is an interpreter for calculating machine tool coordinates required to perform point-to-point and simple milling operations defined in a "part program".

The processor is written in System/360 Assembly Language and operates under the Disk Operating System.

Application Program Manual, 24 Pages

GH20-0463

SYSTEM/360 AD-APT/AUTOSPOT NUMERICAL CONTROL PROCESSOR (360A-CN-09X) APPLICATION DESCRIPTION

The IBM N/C 360 adaptation of APT for small computers (AD-APT) uses a symbolic language to simplify the preparation of instructions for numerically controlled machine tools. The AD-APT processor prepares intermediate data for a user-written postprocessor program.

Application Program Manual, 44 Pages

GH20-0464

IBM SYSTEM/360 VEHICLE SCHEDULING PROGRAM (360A-ST-06X) APPLICATION DESCRIPTION

This publication describes the general capabilities of the IBM System/360 Vehicle Scheduling Program and explains some of the many uses of this approach.

The Vehicle Scheduling Program determines the route that a group of vehicles must travel in order to meet certain commitments in the delivery of service or products to a collection of given destinations. The result is a feasible schedule representing a good balance of basic variables, such as travel time, and number of vehicles used. The program analyzes a network representing the potential calling points and computes either actual or approximate distances between all points. A schedule is then produced with adherence to restrictions such as route-time, speed, vehicle capacity, and customer requirements.

Application Program Manual, 28 pages

GH20-0471

SYSTEM/360 INVENTORY CONTROL APPLICATION DESCRIPTION

The IBM inventory control application consists of a group of integrated programs and techniques designed for the selection and implementation of order point inventory control where it applies in manufacturing organizations.

The programs provide for (1) classification of inventory items for determining the type of control, (2) calculation of economic order quantities on the basis of usage information or future requirements, (3) computation of safety stock and order point, (4) projection of demand on the basis of historical data and (5) basic programs for transaction processing and report preparation.

This manual includes a general description of these programs, the machine configuration, general systems charts, sample reports, and a discussion of inventory control concepts applicable to the use of the programs.
Application Program Manual, 65 Pages

GH20-0476

MATHEMATICAL PROGRAMMING SYSTEM/360 (360A-CO-14X) LINEAR AND SEPARABLE PROGRAMMING - USER'S MANUAL

This manual provides the system user with the information required to prepare input data and control cards and to interpret the system's output. It is a basic reference document for any user interested in the problems with which the system can help him. All procedures are fully explained in this manual.
Application Program Manual, 220 pages

GH20-0477

IBM SYSTEM/360 DOCUMENT PROCESSING SYSTEM (360A-CX-12X) PROGRAM DESCRIPTION AND OPERATIONS MANUAL

The System/360 Document Processing System is a set of programs designed to convert machine-readable document data into a set of searchable data sets, to search these data sets, and to produce various index listings. The system operates under the control of the System/360 Operating System.

This manual generally expresses the intent and content of an operations manual and a programming manual. Part 1 of the manual contains descriptive program information and specifications; Part 2 contains detailed operational instructions. A prerequisite to reading portions of this manual is a basic understanding of the 360 Operating System Job Control Language.
Application Program Manual, 72 pages

GH20-0479

SYSTEM/360 MATRIX LANGUAGE (MATLAN) (360A-CM-05X) APPLICATION DESCRIPTION

MATLAN is a programming system that is designed to simplify handling of and computation with matrices. This publication describes the MATLAN language and its general capabilities.

Matrices may consist of real or complex, single- or double-precision numbers. Segmenting algorithms are used if the storage requirements of the matrices exceed available core size.

MATLAN is useful in many scientific and technical applications. It is of special interest in the aerospace industry, as well as in electrical and civil engineering mathematical statistics, and econometrics.
Application Program Manual, 16 pages

GH20-0480

IBM RETAIL IMPACT FASHION SYSTEM UNDER OPERATING SYSTEM/360 (360A-DR-04X) - PROGRAM DESCRIPTION MANUAL

The IBM Retail IMPACT Fashion System consists of programs and procedures designed to provide the retailer with timely and accurate information for fashion merchandising. The system provides reorder recommendations, return recommendations, and other action reports to assist the fashion merchandiser in responding to changes in the volatile fashion market.

This manual describes the concepts, characteristics, and implementation of the Fashion System. Operational controls, report interpretation, and complete file specifications are included. The programs are described conceptually and specifically. Input, output, and processing information are included along with program modification aids. This manual provides the information and guidance necessary for planning and installation of the system.
Application Program Manual, 110 pages

GH20-0481

RETAIL IMPACT FASHION SYSTEM UNDER OPERATING SYSTEM/360 (360A-DR-04X) - OPERATIONS MANUAL

This manual provides instructions and guidance for operating the programs in the IBM Retail IMPACT Fashion System. The major components of the manual describe (1) preparatory information and procedures, (2) operations, and (3) retrieving the programs from the distribution tape. preparing the system, and running the sample program.
Application Program Manual, 39 pages

GH20-0483

ADVANCED LIFE INFORMATION SYSTEM (DOS): POLICY MASTER RECORD CODE BOOK, PROG. NOS. 360A-IL-09X, 5736-N11

This policy master record code book describes every section and trailer of the policy master record, each field in every section and trailer, and the codes and values applicable to each field. There is a table of contents at the beginning of the manual and one for each section and trailer. The table of contents at the beginning of the manual identifies only the location of sections and trailers. The table at the beginning of each section or trailer indicates the location of each field.
Program Product Manual, 12 pages

GH20-0487

SYSTEM/360 REQUIREMENTS PLANNING APPLICATION DESCRIPTION PROGRAM NUMBER 360A-MF-05X

A manufacturing organization requires that all parts, both manufactured and purchased, be available to meet production schedules demanded by finished product due dates, and that a sufficient quantity be available to satisfy demand. Manufacturing also must be able to adjust these requirements quickly to react suitably and in time to forecast any customer order changes. In addition, there is a need to maintain inventories at an optimum level so as not to incur the costs of obsolescence, unneeded warehouse space, unnecessary inventory, insurance, and purchase charges.

IBM System/360 Requirements Planning is designed to meet these needs. The system is capable of:

- Determining net finished product requirements
- Determining net component part requirements
- Planning economic lot size or order quantities
- Offsetting requirements by considering lead times
- Maintaining and updating the requirements plan by processing changes to forecasts and orders (referred to as "requirements alterations")
- Providing for review of planned orders at the end of each level; "interrupt" and adjustment of these planned orders; "reentry" (referred to as "conversational planning")
- Providing for management review through detailed requirements reports and exception notices

Application Program Manual, 51 Pages

GH20-0489

PROGRAM FOR OPTICAL SYSTEM DESIGN/II (POSD/II) - APPLICATION DESCRIPTION, PROG. NOS. 1130-EO-14X AND 360A-EO-15X, 16X

POSD/II consists of an interrelated set of programs providing a complete and flexible facility for the geometric analysis of image-forming optical systems, together with a means for automatically correcting such systems. Particular emphasis has been placed on creating an efficient man-machine relationship. The evaluation techniques available to the designer encompass both ray tracing and third- and fifth-order aberration analysis with ray-tracing speeds in the order of 1/10 second per ray surface. The program has the capacity to analyze systems containing prisms, toric surfaces, and diffraction gratings, in addition to the usual refracting or reflecting elements.

POSD/II is an extension of 1130 POSD (1130-EO-11X and 1130-EO-12X) with increased operating speeds and additional program capabilities. Two new POSD/II programs are provided to operate under the IBM Problem Language Analyzer (PLAN*) program to support both the 1130 system and System/360. Additional utility features are incorporated to provide greater flexibility for the user. Significant improvements, such as provision for varying glasses, broaden the scope of the automatic design program.

POSD/II utilizes input formats and operating procedures identical to 1130 POSD.

PLAN operates as a submonitor providing simplified user modification of programs and design languages.
Manual, 28 pages

GH20-0490

PROBLEM LANGUAGE ANALYZER (PLAN) APPLICATION DESCRIPTION PROGRAM NUMBERS 1130-CX-25X 360A-CX-26X 360A-CX-27X

This manual provides a description of the scope and purpose of the Problem Language Analyzer. It allows the reader to measure the applicability of this system to the solution of his problems and provides a description of the PLAN approach to modular problem solution.
Application Program Manual, 16 Pages

GH20-0492

SYSTEM/360 DECISION LOGIC TRANSLATOR APPLICATION DESCRIPTION PROGRAM NUMBER 360A-CX-32X

The Decision Logic Translator is a program that accepts decision tables punched in cards in a prescribed format and translates these tables into a FORTRAN program. The FORTRAN source program is punched in cards or stored on disk or tape ready for compilation.

This manual describes the format of the input decision tables, features of the Decision Logic Translator, and program output.
Application Program Manual, 38 Pages

GH20-0496

MARVEL/360 (360A-CO-15X) PRIMER

MARVEL is a language processor for the data preparation, matrix generation, output analysis, and management report writing functions associated with the Mathematical Programming System/360 (360A-CO-14X). MARVEL was designed and implemented to provide powerful functional capabilities in this fast growing area of mathematical programming. In providing such a comprehensive language and processor capability, "trade-offs" were made that reduced execution speed.

MARVEL will provide maximum customer utility as an input/output system for the development of new linear programming applications, because this is an area where extended function is more significant than high performance. In a production environment where emphasis is on execution speed, MARVEL will be less suitable.

This MARVEL language primer is designed to acquaint the reader with the basic notation employed in MARVEL. Further, by constructing a sample program, it is hoped to introduce the potential user to a variety of MARVEL statements. The discussion of statements in the primer is limited to those features of each statement that are applicable to the specific problem presented. Therefore, the reader should consult the S/360 MARVEL Program Description Manual where a comprehensive discussion of all MARVEL statements is provided.

Application Program Manual, 56 pages

Application Program Manual, 32 pages

GH20-0501

PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS) PROGRAM DESCRIPTION MANUAL PROGRAM NUMBERS 360A-IF-10X, 360A-IF-11X, 360A-IF-13X, 5736-N21

This manual contains information relating to the concepts, inputs, and processing methods used in the Property and Liability Information System (PALIS). This manual provides the information required to understand the functions of PALIS and considerations for implementation of the system. It is designed as a guide to the user of other PALIS documentation and serves as pre-PALIS class. Program Product Documentation, 184 pages

GH20-0503

PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS) OTHER LINES PREMIUM PROCESSING (360A-IF-13X) PROGRAM DESCRIPTION AND SYSTEM MANUAL

The purpose of this manual is to describe the Property and Liability Information System other lines master record and the insurance logic necessary to accommodate the policy and premium information for single location risks in all lines of business normally written by a property and liability insurance company. While other lines policies are not rated by PALIS, they are maintained in historical fashion and contain detailed descriptive information and statistical data. The master record is designed to provide information on the status and history of all policies. Application Program Manual, 70 pages

GH20-0497

PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS) BASIC PROGRAM (360A-IF-10X) PROGRAM DESCRIPTION AND SYSTEM MANUAL

This manual provides a description of the functions and logic of those programs and modules making up the PALIS Basic Program. All logic common to both the automobile, homeowners, and other lines processing has been grouped together in the PALIS Basic Program. Application Program Manual, 600 pages

GH20-0504

PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS) OTHER LINES CLAIMS PROCESSING (360A-IF-13X) PROGRAM DESCRIPTION AND SYSTEM MANUAL

The purpose of this manual is to describe the Property and Liability Information System other lines master record and the insurance logic necessary to accommodate the loss information for single locations risks in all lines of business normally written by a property and liability insurance company. Open claim information, taking the place of the traditional outstanding loss file, is stored in detail. Transactions for an open claim are entered into the system along with premium transactions, and the master record is updated with the new information. Statistical data is prepared as an output. In addition, closed claims are summarized a purge time and carried forward with the premium information. As with the premium data, closed cases are also retained for historical purposes. Application Program Manual, 40 pages

GH20-0498

PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS) BASIC PROGRAM (360A-IF-10X) OPERATIONS MANUAL

This manual provides information for the generation and operation of PALIS under Disk Operating System/360 (DOS/360). It contains instructions for link editing the system, the console operating instructions, examples of job control decks, halt and message lists, storage diagrams, and restart procedures.

A knowledge of DOS/360 operating procedures, including the use of job control cards, is a prerequisite for reading and using this manual.

Application Program Manual, 232 pages

GH20-0505

MARVEL/360 (360A-CO-15X) PROGRAM DESCRIPTION MANUAL

This publication provides the information required to use the MARVEL programming language. It is a basic reference document for any user interested in the problems with which this system can help him. It is expected that the reader is thoroughly familiar with the contents of the MARVEL/360 Primer.

MARVEL is a language processor for the data preparation, matrix generation, output analysis, and management report writing functions associated with the Mathematical Programming System/360 (360A-CO-14X). MARVEL was designed and implemented to provide powerful functional capabilities in this fast growing area of mathematical programming. In providing such a comprehensive language and processor capability, "trade-offs" were made that reduced execution speed.

MARVEL will provide maximum customer utility as an input/output system for the development of new linear programming applications, because this is an area where extended function is more significant than high performance. In a production environment where emphasis is on execution speed, MARVEL will be less suitable. Application Program Manual, 176 pages

GH20-0499

PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS) AUTOMOBILE PREMIUM PROCESSING PROGRAM DESCRIPTION AND SYSTEM MANUAL PROGRAM NUMBERS: 360A-IF-11X, 5736-N21

The purpose of this manual is to describe the Property and Liability Information System insurance logic programs to rate and prepare a declarations sheet extract for both the family combination policies and the special automobile (single limit liability) policy for all 50 states (with the exception of Massachusetts), the District of Columbia and Puerto Rico. The rating plans supported are both the classification plan in effect prior to January 1, 1965 (henceforth referred to as the old class plan), and the new six-digit classification plan dated January 1, 1965, (henceforth known as the new class plan). Both plans will rate a maximum of four vehicles (including pickups, panels, sedan deliveries, and antiques), and five drivers per policy.

Application Program Manual, 216 pages

GH20-0500

PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS) AUTOMOBILE CLAIMS PROCESSING (360A-IF-11X) PROGRAM DESCRIPTION AND SYSTEM MANUAL

The purpose of this manual is to describe the Property and Liability Information System insurance logic for processing automobile claims. Open claim information, taking the place of the traditional outstanding loss file, is stored in detail. Transactions for an open claim are entered into the system along with premium transactions, and the automobile master record is updated with the new information. If all claims are closed, they are summarized at purge time and carried forward to the renewal policy. As with the premium data, closed cases are also retained for historical purposes.

Premium and claims data for a policy are stored together so a historical picture of a risk experience available in one place. Thus, underwriters have information required for individual risk experience.

Another significant portion of the PALIS approach to automobile claims is the processing of recoverable reinsurance. Excess reinsurance, if not input with the transaction, will be calculated by using the excess of loss reinsurance table. Other types of reinsurance applicable to a given coverage will be added into the calculated excess reinsurance recoverable.

GH20-0506

SYSTEM/360 VEHICLE SCHEDULING PROGRAM (360A-ST-06X) PROGRAM DESCRIPTION AND OPERATIONS MANUAL

This manual contains specific information about the preparation for, the functions of, and the use of the IBM System/360 Vehicle Scheduling Program, as well as its operation under the IBM System/360 Disk Operating System. Detailed data preparation suggestions are explained under the program section to which they apply. The operations section contains a description of program setup and restart procedures, console operating instructions, and card layouts. In addition, the manual presents input/output descriptions, suggestions for option usage, lists of messages, and a sample problem. Application Program Manual, 114 pages

GH20-0507

APPLICATION BIBLIOGRAPHY FINANCE AND SECURITIES INDUSTRIES

The purpose of this bibliography is to list and categorize IBM application publications and programs that are pertinent to finance and securities industries.

- o Section I classifies these publications and programs by application or industry.
 - o Section II contains abstracts of application publications, in form number sequence.
 - o Section III contains abstracts of Field Developed Programs.
 - o Section IV contains abstracts of Installed User Programs.
- Promotional publications pertinent to the finance and securities industries are listed in Section V. Manual, 44 pages

GH20-0508

SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM DOS (ATS/DOS) (360A-CX-18X) PROGRAM DESCRIPTION MANUAL
This manual may be used as a reference manual by application programmers that are concerned with the Administrative Terminal System, ATS/360 functioning under the IBM System/360 Disk Operating System (DOS). ATS/360 applications consist of control and functional programs that permit the simultaneous performance of many different text processing and data-handling activities on different terminals. This publication describes the principles and techniques of storage and real-time processing control for each of the programs that make up ATS/360, as well as information pertinent to their organization, scope, and planning for system applications and/or modifications to those applications. System generation procedures are also described and information regarding storage estimates and system timing is given.
Application Program Manual, 130 pages

GH20-0509

SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM DOS (ATS/DOS) (360A-CX-18X) TERMINAL OPERATOR'S MANUAL
This manual contains procedures for operating the IBM Administrative Terminal System (ATS)/360. Operation consists of manipulating the keyboard on the IBM 2741 Communications Terminal to send commands to the computer, enter documents into the system for storage, and print documents which have been previously stored.
Procedures are provided for using the terminal to send and receive messages in the form of documents from one terminal location to another, to transfer stored documents onto magnetic tape or punched cards, and to accomplish high-speed printing of stored documents at the computer center. Procedures are also included to bring documents into the system that are stored on punched cards and magnetic tape.
The procedures are arranged so that the operator can begin with the most basic commands and immediately start using the terminal while progressing through the remaining text and examples to understand the operating principles.
A summary is included at the end of some sections to provide a quick review for operators who only use the ATS/360 occasionally, or infrequently after exposure to the initial training period.
Four appendices are included. Appendix A provides a listing of operator commands. Appendix B provides a listing of computer responses. Appendix C provides a glossary of terms that are used throughout the manual. Appendix D consists of punched card codes and reference data for entering special characters and hexadecimal values at the terminal.
Application Program Manual, 118 pages

GH20-0510

SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM DOS (ATS/DOS) (360A-CX-18X) APPLICATION DESCRIPTION
This system consists of control and functional programs that permit many different text-processing and data-handling activities to be carried on simultaneously through different terminals attached to an IBM System/360. Written to operate under DOS/360, the Administrative Terminal System will allow background programs to run concurrently with, and independently of, normal terminal operation.
This publication contains a general discussion of the features of the program, an indication of some of the areas in which it may be applied, and the machine configuration required.
Application Program Manual, 24 pages

GH20-0511

SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM DOS (ATS/DOS) (360A-CX-18X) COMPUTER CENTER OPERATOR'S MANUAL
This manual describes operating procedures for the IBM Administrative Terminal System, ATS/360. These procedures are designed for computer centers using the Disk Operating System (DOS) version of the IBM System/360 Model 30, 40, or 50F. ATS/360 computer centers using a different machine configuration may use this manual as a reference for establishing procedures for use with the system.
These procedures are intended for the computer center operator or other personnel using the equipment during scheduled operating periods to set up the system for ATS/360 applications, maintain the real-time capability while the system is in use, and shut down the system to terminate ATS/360 operations.
Any deviation from these procedures must be carefully

considered to avoid introducing errors which could jeopardize the effectiveness of the system.
Special handling instructions and other computer center (CC) operator duties are described for servicing the requests of remote terminal (RT) operators, maintaining the security of records, off-line machine operations for peripheral equipment, and error recovery techniques.
The manual is divided into sections, each of which describes the overall system application, arrangement of equipment, and procedures for its use.
Application Program Manual, 66 pages

GH20-0512

MARVEL/360 (360A-CO-15X) OPERATIONS MANUAL
This publication contains information that will enable the user to link-edit and incorporate the MARVEL/360 program into a system for subsequent execution under control of Mathematical Programming System/360. Detailed examples are given for editing the MARVEL/360 program into a private JOBLIB or the OS/360 SYS1.LINKLIB.
Application Program Manual, 10 pages

GH20-0513

LINEAR PROGRAMMING SYSTEM/360 (LPS/360) (360A-CO-18X) APPLICATION DESCRIPTION
This program provides the System/360 Disk Operating System (DOS) user with a simple, easy-to-understand, and easy-to-use means of solving LP problems, and with a powerful tool for implementing other mathematical optimization applications.
The system contains all the procedures necessary to solve an LP problem and to perform an extensive postoptimal analysis of the problem. The system provides extensive data generation and maintenance facilities.
To solve an LP problem, these procedures are called into core storage by procedure control statements that define the processing sequence.
This manual contains a description of the system, the required machine configuration, and limits on problem size.
Application Program Manual, 16 pages

GH20-0517

ADVANCED LIFE INFORMATION SYSTEM (DOS) OPERATIONS MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
This manual presents the information required to set up the Advanced Life Information System (ALIS) and to execute the ALIS programs. This system operates under the IBM System/360 Disk Operating System (DOS) and consists of a series of programs which are run in sequence. Suggestions on user program integration with the Advanced Life Information System are also made.
Program Product Manual, 124 pages

GH20-0518

ADVANCED LIFE INFORMATION SYSTEM (DOS) PROGRAM DESCRIPTION MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
This manual contains information relating to the concepts, inputs, outputs, and processing methods used in the Advanced Life Information System (ALIS). This manual (1) provides the reader with the information required to understand the functions of ALIS and considerations for implementation of the system, (2) is designed as a guide to the user of other ALIS documentation, and (3) serves as pre-ALIS class reading.
Program Product Manual

GH20-0519

ADVANCED LIFE INFORMATION SYSTEM (DOS) UTILITY PROGRAM DESCRIPTION MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
This manual provides general information about the utility programs supplied with the Advanced Life Information System. The user should be familiar with the Operations Manual (H20-0517) to gain the necessary supplementary information in order to include the utility programs on his library and to execute them.
Program Product Manual, 67 pages

GH20-0521

SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) APPLICATION DESCRIPTION MANUAL (PROGRAM NUMBER 5736-CX1)
This manual surveys the operational concepts and system capabilities of the Generalized Information System (Basic). It provides an introduction to the language of GIS and describes the file organization and processing actions supported by GIS.
The System/360 Generalized Information System (Basic) operates under control of the System/360 Operating System and supports a wide variety of applications by providing information handling capabilities against many typical data base organizations. As a system, GIS provides facilities for defining, maintaining, and retrieving data from user files under direction of the using installation and its personnel.
Program Product Manual, 60 pages

GH20-0522

BIBLIOGRAPHY OF APPLICATION PUBLICATIONS -
DISTRIBUTION INDUSTRIES

The purpose of this bibliography and the associated classification system is to list and categorize IBM application publications that are pertinent to distribution industries. Section I lists these publications by application or industry. Section II contains an abstract of each publication, in form number sequence.

A periodic Bibliography of Application Publications (BAP) Newsletter (GN20-1853) is published to keep the bibliography up to date. The newsletter is divided into two sections. Section I is an updated listing of application publications by application or industry. This section also includes any corrections to the bibliography and a list of superseded publications. Section II contains an abstract of each publication not included in the last published bibliography.
Manual, 52 pages

A knowledge of DOS operating procedures is a prerequisite for reading and using this manual.
Application Program Manual, 29 pages

GH20-0527

SYSTEM/360 1287 INPUT CONVERSION PROGRAM (360A-DR-07X)
PROGRAM DESCRIPTION MANUAL

This program consists of a Transaction Specification Compiler and an Operational Processor. The Compiler provides for the description of the format and processing logic to be applied to documents scanned by the IBM 1287 Optical Reader. The program module created by the Compiler is referenced by the Processor in order to convert the data from the documents to a conversion journal. This manual describes the general program logic, the input and output formats, and provides samples of each.
Application Program Manual, 42 pages

GH20-0523

SYSTEM/360 AD-APT/AUTOSPOT (OS) NUMERICAL CONTROL
PROCESSOR APPLICATION DESCRIPTION
PROGRAM NUMBER 360A-CN-12X

AD-APT/AUTOSPOT is a symbolic language designed to simplify the preparation of instructions for numerically controlled machine tools. This manual provides an introduction to both the AD-APT and AUTOSPOT languages. Included are language structure and elements, and system configuration.

This program will provide the OS/360 installation with the capability currently available in AD-APT/AUTOSPOT (360A-CN-09X) under DOS/360.
Manual, 60 pages

GH20-0528

SYSTEM/360 1287 INPUT CONVERSION PROGRAM (360A-DR-07X)
OPERATIONS MANUAL

The purpose of this manual is to provide the user with the information, instructions, and guidance necessary to:

- Retrieve and prepare the programs for operation
- Prepare to use the system
- Operate the programs in the system

Application Program Manual, 26 pages

GH20-0524

INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360
(SYSTEM DESCRIPTION) APPLICATION DESCRIPTION MANUAL
PROGRAM NUMBER 5736-CX3

The Information Management System/360 is an Operating System/360 processing program designed to facilitate the implementation of medium to large common data bases in a multiapplication environment. This environment is created to accommodate both online message processing and conventional batch processing, either separately or concurrently. The system permits the evolutionary expansion of data processing applications from a batch-only to a teleprocessing environment.

This manual includes a general description of the system and its various facilities and programs, listings of typical and minimum configurations, and a sample application.
Program Product Manual, 41 pages

GH20-0530

BIBLIOGRAPHY OF APPLICATION PUBLICATIONS, PUBLIC UTILITY
INDUSTRIES

The purpose of this bibliography and the associated classification system is to list and categorize IBM application publications that are pertinent to the telephone, and gas and electric industries. Section I lists these publications by application or industry. Section II contains an abstract of each publication, in form number sequence.

A periodic Bibliography of Application Publications (BAP) Newsletter (GN20-1866) is published to keep the bibliography up to date. The newsletter is divided into two sections. Section I is an updated listing of application publications by application or industry. This section also includes any corrections to the bibliography and a list of superseded publications. Section II contains an abstract of each publication not included in the last published bibliography.
Manual, 24 pages

GH20-0525

SYSTEM/360 TEXT PROCESSOR - HYPHENATION/360 (360A-DP-07X),
PROGRAM DESCRIPTION MANUAL

HYPHENATION/360 provides division of words for text processing applications in which the addition of word syllables to a line to meet justification requirements is preferable to forcing the line to end in a complete word. This hyphenation capability is provided in the form of a module that can be linked with a user's System/360 text-processing program or the COMPOSITION/360 component of the IBM System/360 Text Processor.

Through program linkage the HYPHENATION/360 module accepts a word from the user's program and determines the division points. The word, with the division points indicated, is returned to the user's program, where the portion to be retained on the line can be selected on the basis of the user's graphic requirements.

This publication contains processing descriptions, core and disk requirements, timing information, and detailed instructions for the use of the HYPHENATION/360 module and its associated utility programs. A thorough understanding of the CALL, SAVE, and RETURN macros discussed in IBM SYSTEM/360 DOS SUPERVISOR AND INPUT/OUTPUT MACROS (C24 5037) is a prerequisite for reading this publication.
Application Program Manual, 63 pages

GH20-0531

BIBLIOGRAPHY OF APPLICATION PUBLICATIONS - MEDIA INDUSTRIES

The purpose of this bibliography and the associated classification system is to list and categorize IBM application publications that are pertinent to media industries. Section I lists these publications by application or industry. Section II contains an abstract of each publication, in form number sequence.

A periodic Bibliography of Application Publications (BAP) Newsletter (GN20-1867) is published to keep the bibliography up to date.

As an aid to the reader, Section III lists promotional publications, Section IV lists field developed programs, and Section V lists installed user programs pertinent to media industries.
A periodic Bibliography of Application Publications (BAP) Newsletter (GN20-1867) is published to keep the bibliography up to date.
Manual, 18 pages

GH20-0526

SYSTEM/360 TEXT PROCESSOR - HYPHENATION/360 (360A-DP-07X),
OPERATIONS MANUAL

HYPHENATION/360 provides division of words for text processing applications in which the addition of word syllables to a line to meet justification requirements is preferable to forcing the line to end with a complete word. This hyphenation capability is provided in the form of a module that can be linked with a user's System/360 text-processing program or the COMPOSITION/360 module of the IBM System/360 Text Processor.

Through program linkage HYPHENATION/360 accepts a word from the user's program and determines the division points. The word, with the division points indicated, is returned to the user's program, where the portion to be retained on the line can be selected on the basis of the user's graphic requirements.

This publication contains detailed preparatory system procedures; operating instructions, error messages, and restart procedures for the component programs; and programming system and machine requirements.

GH20-0532

SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR ELECTRIC UTILITY
INDUSTRY WITH POWER FLOW OUTPUT & CAPACITY FEATURE
& SHORT CIRCUIT Ro FEATURE: APPLICATION DESCRIPTION,
PROGRAM NUMBER 5736-U12

The Power System Planning (PSP) Program Product package is designed specifically for the IBM System/360. The package uses disk storage to provide the capability of establishing a master data bank of repetitively used engineering data which describes an electrical network. The package further provides the convenience of automatic data retrieval from the master data bank, whenever a simulation program is to be run. In order to study the steady state and transient operational characteristics of present and projected interconnected power networks, three digital simulation programs are included in the package: Power Flow, Short Circuit and Transient Stability. This manual contains a general description of the package, the machine configuration required, general system flowcharts, and descriptive narratives of the four components included in the package.
Program Product Documentation, 36 pages

GH20-0533

SHARED HOSPITAL ACCOUNTING SYSTEM (SHAS) (360A-UH-11X)
PROGRAM DESCRIPTION MANUAL

The Shared Hospital Accounting System (SHAS) provides hospital accounting for a multiple-hospital environment. The participating hospitals are connected to the central

System/360 facility by teleprocessing terminals. SHAS consists of application programs and a teleprocessing executive. The application programs are patient billing, accounts receivable, and general ledger including accounting for both inpatients and outpatients. This manual refers to the accounts receivable portion of SHAS. References to teleprocessing and other applications have been minimized but still may be present to be consistent with subsequent manuals dealing with the entire system.

This basic publication provides information on the Shared Hospital Accounting System program to enable the user to understand the function of all of the SHAS programs as a guide for preparing to install SHAS.

This document is written as a reference manual and not as a study text. For education purposes this manual should be used in conjunction with the SHAS APPLICATION DESCRIPTION Manual (GH20-0302) and the SHAS Operations Manual (GH20-0534).

The organization is such that the reader can easily find in-depth information on what the program does for the user. It also helps the user connect that information with the programs through the use of program references, COBOL tags, and modular descriptions following modular programs. The user can turn to a given program description and find the information immediately without having to read the entire section, and can easily relate the information directly to the program and the code.

This manual is written for systems engineers or programmers with a thorough understanding of DOS, COBOL, and System/360 Basic Assembler Language.
Manual, 180 pages

GH20-0534

SHARED HOSPITAL ACCOUNTING SYSTEM (SHAS) (360A-UH-11X)
VERSION 2: OPERATIONS MANUAL

The Shared Hospital Accounting System (SHAS) provides hospital accounting for a multiple-hospital environment. The participating hospitals are connected to the central System/360 facility by teleprocessing terminals. SHAS consists of application programs and a teleprocessing executive. The application programs are patient billing, accounts receivable, and general ledger including accounting for both inpatients and outpatients. This manual refers to the accounts receivable portion of SHAS. References to teleprocessing and other applications have been minimized but still may be present to be consistent with subsequent manuals dealing with the entire system.

This basic publication gives the specifications and necessary information for operating the SHAS programs. This manual includes a description of retrieving data from distributed machine readable material and cataloging programs in the users core image library. Use of this manual requires an operating knowledge of the IBM Disk Operating System (DOS) job control cards and operating procedures.
Manual, 638 pages

GH20-0535

PLAN GRAPHICS SUPPORT FOR THE IBM 2250 ON SYSTEM/360 (OS) OR
IBM 1130 - APPLICATION DESCRIPTION MANUAL, PROG. NOS.
1130-CX-33X AND 360A-CX-34X

PLAN Graphics Support is designed to drastically reduce the time required to convert existing applications or create new applications for graphic displays. This system supports Models 1, 3, and 4 of the IBM 2250 Display Unit.

With PLAN Graphics Support, the application programmer works at a level where he is relieved from tedious graphic programming. High-level statements allow the application programmer to simply state the format, content, and control options that are desired by the console operator (the application user). By means of user-oriented statements, the application programmer may rapidly extend his existing application program or create new applications to include interactive graphic capability.

Among the graphic interface features supported are:

- Graphic Output
- Data generated by the application may be displayed using points, characters, vectors, or geometric shapes.
- Graphic Input
- Data may be created or modified at the console and passed to the application via the Light Pen, Programmed Function Keyboard, and Alphameric Keyboard.
- Monitoring and Control
- Intermediate results can be examined in an application. The console user dynamically controls the next function of the application program to be executed.

PLAN (Problem Language Analyzer), a Type II program, is used as a base for PLAN Graphics Support. Since it coexists with PLAN, the user has access to all of the functional capability in PLAN. PLAN Graphics Support and PLAN support both the IBM 1130 and System/360.
Manual, 32 pages

GH20-0536

BIBLIOGRAPHY OF APPLICATION PUBLICATIONS INSURANCE INDUSTRY

The purpose of this bibliography and the associated classification systems is to list and categorize IBM application publications that are pertinent to the insurance industry. Section I lists these publications by application or industry. Section II contains an abstract of each publication, in form number sequence.

A periodic Bibliography of Application Publications (BAP) newsletter (GN20-1869) is published to keep the bibliography up to date. The newsletter is divided into two sections. Section I is an updated listing of application publications by application or industry. This section also includes any corrections to the bibliography and a list of superseded publications. Section II contains an abstract of each publication not included in the last published bibliography.
Manual, 36 pages

GH20-0539

GRAPHIC ANALYSIS OF THREE-DIMENSIONAL DATA (GATD)
APPLICATION DESCRIPTION MANUAL (5734-XX2)

Graphic Analysis of Three-Dimensional Data (GATD) is an application system built around the IBM 2250 Display Unit that allows online analysis of three-dimensional data. GATD operates in conjunction with Operating System/360, Problem Language Analyzer (PLAN), and PLAN Graphics Support (PGS).

This manual gives an overview of the functional capabilities of GATD and provides an example of system usage.
Manual, 24 pages

GH20-0540

RETAIL IMPACT FASHION SYSTEM UNDER DISK OPERATING SYSTEM/360
(360A-DR-08X) PROGRAM DESCRIPTION MANUAL

The IBM Retail IMPACT Fashion System consists of programs and procedures designed to provide the retailer with timely and accurate information for merchandising. The system provides reorder recommendations, return recommendations, and other action reports to assist the fashion merchandiser in responding to changes in the volatile fashion market.

This manual describes the concepts, characteristics, and implementation of the Fashion System. Operational controls, report interpretation, and complete file specifications are included. The programs are described conceptually and specifically. Input, output, and processing information is included along with program modification aids. This manual provides the information and guidance necessary for planning and installation of the system.

Application Program Manual, 181 pages

GH20-0541

RETAIL IMPACT FASHION SYSTEM UNDER DISK OPERATING SYSTEM/360
(360A-DR-08X), OPERATIONS MANUAL

This manual provides instructions and guidance for operating the programs in the IBM Retail IMPACT Fashion System. The major components of the manual describe (1) preparatory information and procedures, (2) operations, and (3) retrieving the programs from the distribution tape, preparing the system, and running the sample problem.
Application Program Manual, 36 pages

GH20-0544

SYSTEM/360 SCIENTIFIC SUBROUTINE PACKAGE (PL/I)
(360A-CM-07X) APPLICATION DESCRIPTION MANUAL

The System/360 Scientific Subroutine Package (SSP) (PL/I) is a collection of mathematical and statistical subroutines (or procedures) written in the PL/I language. It provides the PL/I user with most of the basic capabilities in earlier FORTRAN versions of SSP/360. It also has the same basic characteristics as the FORTRAN versions, in that it consists of input/output-free computational building blocks written completely in PL/I, which may be combined with a user's input, output, or computational routines as needed. The package may be applied to the solution of many problems in industry, science, and engineering.

This Application Description presents an introduction to SSP/360 (PL/I), a list of the capabilities of the package, rules of usage, machine configuration, programming systems, and a list of reference material.
Application Program Manual, 16 pages

GH20-0545

SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM (RAX)
(360A-CX-17X) VERSION 4 APPLICATION DESCRIPTION

This system is designed to allow multiple concurrent access to a System/360 processor from remote terminals. RAX implements time-sharing techniques for the compilation and execution of user computing problems in FORTRAN and Assembler languages. Also, it provides a Terminal Command Language to provide control of the terminal and to implement the use of the programming languages.

This publication contains a description of the system, equipment requirements, system capabilities, and the elements of the Terminal Command Language, as well as a discussion of the system operation.
Application Program Manual, 30 pages

GH20-0549

SYSTEM/360 AD-APT/AUTOSPCT (OS) NUMERICAL CONTROL PROCESSOR
(360A-CN-12X) PART PROGRAMMING MANUAL

The IBM N/C adaptation of APT for small computers (AD-APT) uses a symbolic language to simplify the preparation of instructions for numerically controlled machined tools.

The AD-APT processor prepares intermediate data for a user-written postprocessor program.

This manual contains the definition and examples of AD-APT symbolic language.
Programming Manual, 158 pages

GH20-0572

SYSTEM/360 DECISION LOGIC TRANSLATOR (360A-CX-32X) PROGRAM DESCRIPTION MANUAL

The Decision Logic Translator program translates decision tables punched in cards into a FORTRAN source program. The FORTRAN source program is either punched in cards or stored on disk or tape ready for compilation. This manual contains information needed by the reader to understand the functions performed by the Decision Logic Translator. A sample problem shows how to use the decision table language to program an application.
Program Description Manual, 33 pages

GH20-0573

SYSTEM/360 DECISION LOGIC TRANSLATOR (360A-CX-32X) OPERATIONS MANUAL

This manual contains information on the preparation and operation of the Decision Logic Translator program. It is designed to translate decision tables (punched into cards in a prespecified format) into a FORTRAN program (stored on disk, on tape, or on cards) ready for compilation. The reader should be familiar with the contents of the following publications:

IBM DISK OPERATING SYSTEM/360 SYSTEM CONTROL AND SYSTEM Service Programs (GC24-5063)

IBM SYSTEM/360 DECISION LOGIC TRANSLATOR APPLICATION description manual (GH20-0492)

IBM SYSTEM/360 DECISION LOGIC TRANSLATOR PROGRAM description manual (GH20-0572)
Manual, 20 pages

GH20-0574

SYSTEM/360 GENERALIZED INFORMATION SYSTEM APPLICATION DESCRIPTION MANUAL (5736-CX1)

This manual surveys the operational concepts and system capabilities of the Generalized Information System (GIS). It provides an introduction to the language of GIS and describes the file organization and processing actions supported by GIS.

The System/360 Generalized Information System operates under control of the IBM System/360 Operating Systems and uses the "Multiprogramming with a Variable Number of Tasks" (MVT) feature. GIS is designed to operate in a terminal environment using the Queued Telecommunications Access Method and supports a wide variety of applications by providing information handling capabilities against many typical data base organizations. As a system, GIS provides facilities for defining, maintaining and retrieving data from user files under direction of the using installation and its personnel.
Program Product Manual, 8 pages

GH20-0577

PROGRAM FOR OPTICAL SYSTEM DESIGN/II (POSD/II) (1130-EO-14X, 360A-EO-15X, 360A-EO-16X) PROGRAM DESCRIPTION MANUAL

This manual provides information detailing the set of options available to POSD/II users and the techniques used in all calculations. A sample problem is used throughout the body of the text for illustrative purposes only. A separate, comprehensive problem is shown in Appendix A to demonstrate the overall capability of the POSD/II system, including output formats.

References are made throughout the text to the Problem Language Analyzer (PLAN) system, an IBM-supplied submonitor program that serves as an interface between various monitor systems and programs such as POSD/II. Through PLAN, users can supplement standard application program versions with their own procedures.

The user is referred to the POSD/II Operator's Manual for specific machine operating instructions.
Program Description Manual, 155 pages

GH20-0578

PROGRAM FOR OPTICAL SYSTEM DESIGN/II (POSD/II) (1130-EO-14X, 360A-EO-15X, 360A-EO-16X) OPERATIONS MANUAL

This manual is intended to serve as an instruction guide to the operation and use of POSD/II. It presents the specific operating details and summarizes user information extracted from the Program Description Manual.
Operations Manual, 67 pages

GH20-0579

SYSTEM/360 TEXT PROCESSOR - COMPOSITION/360 (360A-DP-08X), OPERATIONS MANUAL

The COMPOSITION/360 component of the IBM System/360 Text Processor consists of control and functional routines which retrieve text from a user-prepared disk-resident file, justify and format text according to instructions supplied with the text, and produce generalized disk with the text, and produce generalized disk output records. The user must provide routines to retrieve this generalized information, convert it into coding acceptable to the specific composition device on which final printing will occur, and write it to the appropriate systems output device. If word division capabilities are required, COMPOSITION/360 uses the HYPHENATION/360 component of the System/360 Text Processor (360A-DP-07X).

GH20-0555

SYSTEM/360 INVENTORY CONTROL (360A-MF-04X) PROGRAM DESCRIPTION MANUAL

The IBM inventory control application consists of a group of integrated programs and techniques designed for the selection and implementation of order point inventory control where it applies in manufacturing organizations.

The programs provide for (1) analysis and classification of inventory items, (2) calculation of economic order quantities on the basis of usage information or future requirements, (3) computation of safety stock and order point, (4) projection of demand on the basis of historical data, and (5) basic programs for transaction processing and status report preparation.

This manual includes a description of the programs and the processing; the definition of input, output, and files; a discussion of the program options and macros; and instructions for modifying the programs. The appendices offer a sample problem with illustrations of the program input and output, in addition to tables and formulas utilized within the programs.
Program Description Manual, 242 pages

GH20-0556

SYSTEM/360 INVENTORY CONTROL (360A-MF-04X) OPERATIONS MANUAL

System/360 Inventory Control consists of nine programs designed to assist in the implementation of order point inventory control in manufacturing organizations.

This manual contains information regarding preparatory and operating procedures for the programs. It includes a complete list of the console messages that can be produced by the programs.
Operation's Manual, 33 pages

GH20-0557

SYSTEM/360 AD-APT/AUTOSPOT (OS) NUMERICAL CONTROL PROCESSOR (360A-CN-12X) OPERATION'S MANUAL

This manual provides suggested processor generation and maintenance techniques, program setup instructions, console operating instructions, halts and error messages, storage map, and restart procedures.
Operations Manual, 9 pages

GH20-0558

SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE APPLICATION DESCRIPTION MANUAL

The Array Processing Subroutine Package is a set of subroutines designed to enhance and simplify the use of the IBM 2938 Array Processor, and to provide a series of analytical methods for use in digital signal analysis.
Application Description Manual, 20 pages

GH20-0559

SYSTEM/360 MATRIX LANGUAGE (MATLAN) (360A-CM-05X) OPERATIONS MANUAL

This manual provides detailed information to generate a MATLAN system and to run MATLAN programs.
Application Program Manual, 118 pages

GH20-0560

MATHEMATICAL PROGRAMMING SYSTEM/360 REPORT GENERATOR (MPSRG) (360A-CO-20X) PROGRAM DESCRIPTION MANUAL

This manual provides the system user with the information required to prepare input data and a report program. It is a basic reference document for any user of MPSRG. All MPSRG procedures are fully explained in this manual.
Application Program Manual, 56 pages

GH20-0561

MATHEMATICAL PROGRAMMING SYSTEM/360 REPORT GENERATOR (MPSRG) (360A-CO-20X) OPERATIONS MANUAL

This manual contains complete information regarding the preparatory and operating procedures for the MPS/360 Report Generator.
Application Program Manual, 30 pages

GH20-0564

SYSTEM/360 MATRIX LANGUAGE (MATLAN) (360A-CM-05X) PROGRAM DESCRIPTION MANUAL

MATLAN is a programming system, operating under the control of Operating System/360 (OS/360), that is designed to simplify handling of and computation with matrices. This publication describes the MATLAN language in detail and includes description of the statements, programming considerations, and examples.
Application Program Manual, 220 pages

This publication contains detailed preparatory systems procedures; operating instructions, error messages, and restart procedures for the component programs; and programming system and machine requirements.

A detailed knowledge of DOS operating procedures is a prerequisite for reading and using this manual.
Application Program Manual, 103 pages

GH20-0582

SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM-OS (ATS/OS) (360A-CX-19X) PROGRAM DESCRIPTION MANUAL

This manual may be used as a reference manual by application programmers who are concerned with the Administrative Terminal System, ATS/360 functioning under the IBM System/360 Operating System (OS) MFT II or MVT. ATS/360 applications consist of control and functional programs that permit, concurrently, the performance of many different text-processing and data-handling activities on separate terminals. This publication describes the principles and techniques of storage and real-time processing control for each of the programs that make up ATS/360, as well as information pertinent to their organization, scope, and planning for system applications and/or modifications to those applications. System generation procedures are described and information regarding storage estimates and system timing is given.

Application Program Manual, 134 pages

GH20-0583

SYSTEM/360 REQUIREMENTS PLANNING (360A-MF-05X) OPERATIONS MANUAL

System/360 Requirements Planning consists of two programs, the Requirements Generation Program, which is multi-phase, and the Print Exception Program. It is designed to assist in the implementation of a requirements planning application in manufacturing organizations.

This manual contains information regarding preparatory and operating procedures for the programs. It includes a complete list of the console messages that can be produced by the programs.

Operations Manual, 30 pages

GH20-0584

SYSTEM/360 REQUIREMENTS PLANNING (360A-MF-05X) PROGRAM DESCRIPTION MANUAL

The IBM System/360 Requirements Planning programs are used to generate material requirements for finished products, assemblies, subassemblies, parts, and raw materials on the basis of an input of forecast and/or orders. System/360 Requirements Planning consists of two programs, Requirements Generation Program and Print Exception Program. Requirements Generation performs the generation of requirements utilizing time series planning to do the following: determine gross requirements, determine net requirements, plan orders, determine offset, and post component requirements. Print Exception prints exception notices covering exceptions discovered during the Requirements Generation run.

This manual includes (1) customizing procedure for generating the System/360 Requirements Planning programs, (2) detail description of the Requirements Generation program, (3) detail description of the Print Exception program, (4) description of all I/O files, and (5) explanation and operating instructions for the sample problem.

The material in this publication is presented with the assumption that the user has studied the following:

SYSTEM/360 REQUIREMENTS PLANNING, APPLICATION Description (GH20-0487)

SYSTEM/360 BILL OF MATERIAL PROCESSOR (360A-ME-06X) Application Description (GH20-0197)

SYSTEM/360 BILL OF MATERIAL PROCESSOR (360A-ME-06X) Programmer's Manual (GH20-0246)

Program Description Manual, 142 pages

GH20-0585

SYSTEM/360 TEXT PROCESSOR - COMPOSITION/360 (360A-DP-08X), PROGRAM DESCRIPTION MANUAL

The COMPOSITION/360 component of the IBM System/360 Text Processor consists of control and functional routines which retrieve text from a user-prepared disk-resident file, justify and format text according to instructions supplied with the text, and produce generalized disk output records. The user must provide routines to retrieve this generalized information, convert it into coding acceptable to the specific composition device on which final printing will occur, and write it to the appropriate systems output device. If word division capabilities are required, COMPOSITION/360 uses the HYPERNATION/360 component of the System/360 Text Processor (360A-DP-07X).

This publication contains an explanation of the format control languages supported, processing and file descriptions, system and machine requirements, timing information, examples, and preinstallation requirements for use of the COMPOSITION/360 module and its associated utility programs. A detailed knowledge of DOS operating

procedures is a prerequisite for reading and using this manual.

Application Program Manual, 203 pages

GH20-0586

SYSTEM/360 SCIENTIFIC SUBROUTINE PACKAGE (PL/I) (360A-CM-07X) PROGRAM DESCRIPTION AND OPERATIONS MANUAL
The System/360 Scientific Subroutine Package (SSP) (PL/I) is a collection of mathematical and statistical subroutines (or procedures) written in the PL/I language. It provides the PL/I user with most of the basic capabilities in earlier FORTRAN versions of SSP/360. It also has the same basic characteristics as the FORTRAN versions, in that it consists of input/output-free computational building blocks, written completely in PL/I, which may be combined with a user's input, output, or computational routines as needed. The package may be applied to the solution of many problems in industry, science, and engineering.

This manual contains sufficient information to permit the reader to understand and use all of the subroutines in the Scientific Subroutine Package.

Application Program Manual, 300 pages

GH20-0587

COURSEWRITER III FOR SYSTEM/360 VERSION 2 APPLICATION DESCRIPTION PROGRAM NUMBER 360A-UX-01X

This publication describes the Coursewriter III System developed for System/360. Included are comments on the value, range, and capabilities of computer-assisted instruction systems in general, as well as descriptive material relating to the computing equipment and programming systems used by System/360.

Application Description, 44 pages

GH20-0588

ADVANCED LIFE INFORMATION SYSTEM (DOS): HOME OFFICE INQUIRY PROGRAM, TERMINAL OPERATIONS MANUAL, PROG. NOS. 360A-IL-09X, 5736-N11

This manual provides terminal operators and department personnel with operating instructions and input/output for home office inquiry use.

Manual, 48 pages

GH20-0589

SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM-OS (ATS/OS) (360A-CX-19X) TERMINAL OPERATIONS MANUAL

This manual contains procedures for operating the IBM Administrative Terminal System (ATS/360). Operation consists of manipulating the keyboard on the IBM 2741 Communications Terminal to send commands to the computer, entering documents into the system for storage, and printing documents which have been previously stored.

Procedures are provided for using the terminal to send and receive messages in the form of documents from one terminal location to another, for transferring stored documents onto magnetic tape or punched cards, and for high-speed printing of stored documents at the computer center. Procedures are also included to bring documents into the system that are stored on punched cards and magnetic tape. The procedures are arranged so that the operator can begin with the most basic commands and immediately use the terminal while progressing through the remaining text and examples to understand the operating principles. A summary is included at the end of some sections to provide a quick review.

Application Program Manual, 130 pages

GH20-0590

SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM - OS (ATS/OS) CONSOLE OPERATIONS MANUAL, PROG. NO. 360A-CX-19X

This manual contains ATS/360 operating instructions for the computer center (console) operator. The instructions are to be followed when ATS/360 is under control of Operating System/360, MFT II or MVT. The instructions tell the computer center operator how to start up and shut down ATS/360 and how to service the requests from the remote ATS terminals on the system.

The console operator should be familiar with the contents of the following IBM publications:

IBM System/360 Principles of Operation (GA22-6821)

IBM System/360 System Summary (GA22-6810)

IBM Operating System/360 Introduction (GC28-6534)

IBM System/360 Operating System Operators Guide (GC28-6540)

IBM ATS/360 Terminal Operations Manual (GH20-0589)

IBM ATS/360 Program Description Manual (GH20-0582)

Application Program Manual, 48 pages

GH20-0591

SYSTEM/360 RETAIL IMPACT STAPLE SYSTEM (OS) PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 360A-DR-05X

The Retail IMPACT Staple System is designed to provide the retail industry with an integrated inventory management system for staple departments. This manual describes the individual programs that make up the Staple System, their relationships to one another, and their use in the management of staple merchandise. The document covers

the inputs to and outputs from the various programs and explains the various options available to the user. Program Description Manual, 695 pages

GH20-0592

SYSTEM/360 RETAIL IMPACT STAPLE SYSTEM (DOS) OPERATIONS MANUAL - PROGRAM NUMBER 360A-DR-09X
The Retail IMPACT Staple System is designed to provide the retail industry with an integrated inventory management system for staple departments. This manual describes the operation of the various programs under DOS/360. Included are: console messages produced by the programs, control card descriptions, information on file requirements, sample job control for running the programs, and information necessary to compile the programs. Operations Manual, 83 pages

GH20-0593

SYSTEM/360 RETAIL IMPACT STAPLE SYSTEM (OS) OPERATIONS MANUAL, PROG. NO. 360A-DR-05X
The Retail IMPACT Staple System gives the retail industry an integrated inventory management system for staple departments. This manual describes the operation of the various programs under OS/360. Included are: console messages produced by the programs, control card descriptions, information on file requirements, sample job control for running the programs, and information necessary to compile the programs. Operations Manual, 133 pages

GH20-0594

PROBLEM LANGUAGE ANALYZER (PLAN): PROGRAM DESCRIPTION MANUAL
PROG. NOS. 1130-CX-25X AND 360A-CX-36X, -27X
This system provides users with application development support in the areas of:
o User-oriented language processing
o Dynamic job supervision
o Diagnostic control and generation
o Input/output control
o Utility functions
A small subset of the PLAN system may be utilized to provide elementary development support. Subsets may be added on an incremental basis as needed until comprehensive use of the system is attained.
This manual is intended to provide rules for use of the system and technical specifications defining the scope of applicability. It is intended to serve as a user's and implementer's reference. Requirements are specified. Use of all other components is to be considered optional. Application Program Manual, 167 pages

GH20-0596

SYSTEM/360 PROBLEM LANGUAGE ANALYZER (PLAN) (OS) OPERATIONS MANUAL - PROGRAM NUMBER 360A-CX-27X
This manual is intended to assist users in the implementation and execution of PLAN jobs using OS/360. It includes specifications pertinent to only the System/360 OS version of PLAN. Sections of special interest pertain to debugging, diagnostics, and abnormal termination. This manual should be read before attempting any computer operations. Application Program Manual, 84 pages

GH20-0597

SYSTEM/360 PROBLEM LANGUAGE ANALYZER (PLAN) (DOS) (360A-CX-26X) OPERATIONS MANUAL
This manual is intended to assist users in the generation and execution of PLAN jobs using DOS/360. PLAN specifications as they pertain specifically to DOS/360 are discussed. A thorough discussion of considerations for using data sets are included. Instructions for processing optional machine readable material are provided. Operations Manual, 59 pages

GH20-0598

RIGID FRAME SELECTION PROGRAM (RFSP): APPLICATION DESCRIPTION, PROG. NOS. 1130-EC-09X, 5734-EC1, 5736-EC1
The Rigid Frame Selection Program (RFSP) provides direct optimal design procedures for rigid frame construction in steel, timber, or concrete. Two- and three-hinged frames may be analyzed and designed using the programs. Cost reduction can be realized in two ways -- material inventory and design.
Procedures included in the program can be used to design members for different types of structures, using the results of analysis programs provided by the user.
The program operates under a problem-oriented language supported by the Problem Language Analyzer (PLAN), thus allowing the user to create his own input language, if he so prefers.
Application Description Manual, 60 pages

GH20-0599

SYSTEM/360 RETAIL IMPACT STAPLE SYSTEM (DOS) PROGRAM DESCRIPTION MANUAL - PROGRAM NUMBER 360A-DR-09X
The Retail IMPACT Staple System is designed to provide the retail industry with an integrated inventory management

system for staple departments. This manual describes the individual programs that make up the staple system, their relationships to one another, and their use in the management of staple merchandise. The document covers the inputs to and outputs from the various programs and explains the various options available to the user. Program Description Manual, 290 pages

GH20-0602

MATHEMATICAL PROGRAMMING SYSTEM/360 (360A-CO-14X) OPERATIONS MANUAL
This manual contains information on the preparatory and operating procedures for the Mathematical Programming System/360. Application Program Manual, 22 pages

GH20-0603

MATHEMATICAL PROGRAMMING SYSTEM/360 (360A-CO-14X) MESSAGE MANUAL
This manual contains the messages generated by the procedures and subroutines of the Mathematical Programming System/360. Application Program Manual, 168 pages

GH20-0604

SYSTEM/360 ORDER ALLOCATION SYSTEM APPLICATION DESCRIPTION MANUAL - 5736-D41
The Order Allocation System is designed to assist apparel manufacturers in the task of assigning, or allocating, available inventory to open orders in a manner consistent with management objectives and direction.
Input to the system consists of the user's order and inventory files and the rules to be followed in accomplishing the allocation function. Output from the system consists of picking documents and updated order and inventory files, as well as various listings, reports, and control totals. Application Description Manual, 26 pages

SH20-0605

CUSTOMER INFORMATION CONTROL SYSTEM, OS-STANDARD (CICS/OS) (5736-U11), PROGRAM DESCRIPTION
The IBM System/360 Customer Information Control System OS-STANDARD (CICS/OS) is a program modularly constructed and designed to assist customers in the installation of on-line information systems. It functions as an interface program between user-written application programs and the IBM System/360 Operating System (OS/360). Through a series of macro instructions, the control system schedules tasks, loads user programs, and provides linkage to OS/360 access methods. Storage allocation and administrative message handling capabilities are additional features of CICS/OS.
This manual is intended for system analysts and application programmers. It contains descriptions of the basic control system modules and service programs, control system macro instructions, control card preparation, testing procedures and equipment considerations necessary to use CICS/OS. This manual also includes discussion of the separately licensed Language and Terminal Feature. Knowledge of OS/360 will assist the reader in understanding the contents of this manual.
OS-STANDARD (CICS/OS) has been added to the name of this system to distinguish it from the recently announced DOS systems CICS/DOSE and CICS/DOSS. Functional changes have not been made. Program Product Manual, 172 pages

SH20-0606

CUSTOMER INFORMATION CONTROL SYSTEM, OS-STANDARD (CICS/OS), (5736-U11) OPERATION MANUAL
The IBM System/360 Customer Information Control System OS-STANDARD (CICS/OS) is a program modularly constructed and designed to assist customers in the installation of on-line information systems. It functions as an interface program between user-written application programs and the IBM System/360 Operating System (OS/360). Through a series of macro instructions, the control system schedules tasks, loads user programs, and provides linkage to the OS/360 access methods. Storage allocation and administrative message handling capabilities are additional features of CICS/OS.
This manual contains information that will enable the user to generate and incorporate CICS/OS for subsequent execution under control of the IBM System/360 Operating System (OS/360). The manual contains information regarding system maintenance, terminal operation, system generation procedures for the Language and Terminal (L/T) Feature, and executable sample problems.
OS-STANDARD (CICS/OS) has been added to the name of this system to distinguish it from the recently announced DOS systems CICS/DOSE and CICS/DOSS. Functional changes have not been made. Manual, 104 pages

GH20-0607

LINEAR PROGRAMMING SYSTEM/360 (LPS/360) (360A-CO-18X) PROGRAM DESCRIPTION MANUAL
This manual describes how to use Linear Programming

System/360. Chapter I is written in tutorial form to present concepts to new users. The rest of the manual describes the system procedures and data formats. Application Program Manual, 124 pages

GH20-0608

COURSEWRITER III FOR SYSTEM/360 (360A-UX-01X)
STUDENT/MONITOR USER'S GUIDE VERSION 2

This publication describes the IBM 1050 and 2740 terminals as used with the Coursewriter III System.

The publication contains necessary information for the student and monitor to use the printer-keyboard to receive course material from the computer and to monitor results. Also described are the standard features and operation of the printer-keyboard and the cautions that must be exercised in its use.

Knowledge and experience of other equipment is not assumed nor is Coursewriter Language program experience. The reader's attention is called to the IBM 1050 terminal COURSEWRITER III SYSTEM STUDENT/MONITOR REFERENCE CARD (GX20-1780) as a ready reference tool when working on a terminal. It is also assumed that new students will be given instruction in the physical use of the 1050 and 2740 terminals before they actually begin taking a course.

Detailed operating instructions for the IBM 1050 terminal are described in PROCEDURES FOR TRANSMITTING/RECEIVING MESSAGES BETWEEN AN IBM DATA PROCESSING SYSTEM AND A 1050 DATA COMMUNICATION SYSTEM (GC20-1664) and in the IBM 1050 Operator's Guide (GA24-3125) for the Coursewriter III System monitor.

When a 2740 terminal is being used, the IBM 2740/2741 Communications Terminal - Operator's Guide (GA27-3001) May be referenced for additional information. User's Guide, 15 pages

GH20-0609

COURSEWRITER III FOR SYSTEM/360 (360A-UX-01X) VERSION 2
AUTHOR'S GUIDE

This publication describes the Coursewriter III System from an author's viewpoint. The Coursewriter III Language and author commands for the Coursewriter III System are presented in detail. Included with the description of each operation code and author command are examples and possible error messages. Conversational sequences between computer and author are included for further assistance. Additional course facilities are also described, and examples of their use are given.

Experience with computers or with Coursewriter III Language is not required to understand the information in this publication. However, new authors should receive instruction in the use of the IBM terminal before preparing course material.

Author's Guide, 42 pages

GH20-0610

COURSEWRITER III FOR SYSTEM/360 (360A-UX-01X) VERSION 2
SUPERVISOR'S GUIDE

This publication describes operations to be performed by the Coursewriter III System supervisor. These include:

1. An introductory section describing supervisor operations.
2. Complete descriptions of all supervisor commands including examples and command sequence.
3. IBM terminal line code and extended binary coded decimal interchange code tables interchange with IBM card codes.

included is extended binary coded decimal interchange with IBM card codes table.

Prior knowledge of normal Disk Operating System/360 and Supervisor's Guide, 39 pages

GH20-0611

LINEAR PROGRAMMING SYSTEM/360 (LPS/360) (360A-CO-18X)
OPERATIONS MANUAL

This manual contains operating instructions that will enable the user to prepare and run LPS/360 under the System/360 Disk Operating System. Application Program Manual, 28 pages

SH20-0612

RIGID FRAME SELECTION PROGRAM (RFSP) OPERATIONS MANUAL
PROGRAM NUMBER 1130-EC-09X 5734-EC1 5736-EC1

This manual contains information regarding preparatory and operating procedures for IBM Rigid Frame Selection Program as applied to the 1130 and System/360. Manual, 108 pages

SH20-0613

RIGID FRAME SELECTION PROGRAM RFSP
PROGRAM DESCRIPTION MANUAL
PROGRAM NUMBER 5734-EC1 5736-EC1

This manual must be used in conjunction with IBM 1130 Rigid Frame Selection Program (RFSP), Program Description and Operations Manual (GH20-0580), as updated by Technical Newsletters. The pages in this manual correspond to those that appear in GH20-0580 (the areas of change are highlighted by a vertical rule to the left of the change). Used as above this manual contains a complete

description of RFSP for the program users. A general outline of the application, its components and its organization is followed by detailed instructions for the utilization of the various features of the program. Sample Problems are used for illustration. The appendices describe the analysis and design methodology used in the program and provide listings of program modules, files, and tables. Program Product Manual, 5 pages

GH20-0614

PLAN GRAPHICS SUPPORT FOR THE IBM 2250 ON SYSTEM/360 (OS)
OR IBM 1130 PROGRAM DESCRIPTION MANUAL PROGRAM NUMBERS
360A-CX-34X AND 1130-CX-33X

The PLAN Graphics Support system provides a high level language to facilitate use of the IBM 2250 Display Unit connected to the IBM 1130 System and the System/360. An interactive graphic interface to an application program can be specified with a minimum of detailed graphic programming. The specifications for the graphic interface can be saved on external storage and later operated via the IBM 2250 to provide on-line graphic input and output, as well as monitor and control an application program.

This manual provides a general description of the system and a detailed description of input and output. Program Description Manual, 159 pages

GH20-0615

PLAN GRAPHICS SUPPORT FOR THE IBM 2250 ON SYSTEM/360 (OS)
OPERATIONS MANUAL PROGRAM NUMBER 360A-CX-34X

This manual is to assist users in the implementation and execution of PLAN Graphics Support jobs using OS/360. Operations Manual, 61 pages

GH20-0617

MECHANISM DESIGN SYSTEM-KINEMATICS PROGRAM DESCRIPTION
MANUAL PROGRAM NOS. 1130-EM-03X, 360A-EM-04X AND 360A-EM-05X

The kinematic analysis program provides the linkage mechanism analysis capability which complements the IBM Mechanism Design System for Gears and Springs. A wide variety of two- and three-dimensional linkages can be analyzed with this program.

This manual provides the mechanical engineer and mechanism designer with detailed instructions on preparing input for the program.

Program Description Manual, 120 pages

GH20-0618

MECHANISM DESIGN SYSTEM-KINEMATICS OPERATIONS MANUAL
PROGRAM NOS. 1130-EM-03X, 360A-EM-04X AND 360A-EM-05X

This manual contains information regarding preparatory and operating procedures for Mechanism Design System - Kinematics as applied to the 1130 and System/360. Operations Manual, 51 pages

SH20-0619

SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE:
PROGRAM DESCRIPTION MANUAL, PROG. NOS. 5736-P71, -P72

The Array Processing Subroutine Package is a set of subroutines designed to enhance and simplify the use of the IBM 2938 Array Processor, and to provide a series of analytical methods for use in digital signal analysis. There are two version of the subroutine package. One is designed to operate under OS/360 and the other under Model 44 Programming System.

This manual contains a complete description of the functions of the subroutines for both versions and the procedures for including them in the user's programs. Systems Reference Library Manual, 72 pages

SH20-0620

SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE - PS:
OPERATIONS MANUAL - PROGRAM NUMBER 5736-P71

This manual contains instructions for incorporating the Array Processing Subroutine Package into the system library. It also includes diagnostic information required by all users of the Array Processor Access Method. Systems Reference Library Manual, 16 pages

GH20-0621

SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE - OS:
OPERATIONS MANUAL - PROGRAM NUMBER 5736-P72

This manual contains instructions for incorporating the Array Processing Subroutine Package into the system library. It also includes diagnostic information required by all users of the Array Processor Access Method. Systems Reference Library Manual, 16 pages

SH20-0622

SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) PROGRAM
DESCRIPTION MANUAL VOLUME 1: SYSTEM OVERVIEW AND CONTROL
(5736-CX1)

The Generalized Information System (Basic) -- abbreviated GIS (Basic) -- consists of an integrated set of programs for System/360 to provide general-purpose information handling. User input statements initiate and direct the system functions of creating, querying, and maintaining

formatted data files variously structured. GIS (Basic routines are completely coded in the OS/360 Assembler Language and operate under the overall control of OS/360 using the Primary Control Program or Multiprogramming with a Fixed Number of Tasks, Version II.

This manual is presented in three volumes, of which Volume 1 describes the GIS (Basic) monitor program and the capabilities associated with it. Data-file-defining facilities and procedure-directing facilities are specified in Volume 2 and 3, respectively.
Program Product Manual, 8 pages

SH20-0623

SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) AND SYSTEM/360 GENERALIZED INFORMATION SYSTEM PROGRAM DESCRIPTION MANUAL VOLUME II: DATA DESCRIPTION LANGUAGE (5736-CX1)

This volume specifies, for both GIS and GIS Basic, the format and content of computer input statements defining data files to be processed. Data description language facilities are discussed in a sequence generally corresponding to a system user's need for those facilities. Descriptive language statements are illustrated as input lines with positional notation, representative of punched-card fields.
Program Product Manual, 108 pages

SH20-0625

SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) OPERATIONS MANUAL (5736-CX1)

This manual addresses operations personnel intending to run the Generalized Information System (Basic) under the System/360 Operating System with either of two options: the Primary Control Program or Multiprogramming with a Fixed Number of Tasks, Version II. The manual's content includes SYSGEN procedures, OS/360 Job Control Language statements already written into the system's monitor program, and diagnostic messages available to the system user.
Program Product Manual, 174 pages

GH20-0626

PROBLEM LANGUAGE ANALYZER (PLAN) USERS' INTRODUCTION PROGRAM NUMBERS 1130-CX-25X, 360A-CX-26X AND 360A-CX-27X

This manual presents the basic ideas and facilities of the PLAN system, with references to more advanced manuals. It is organized into four chapters. The first chapter is a general introduction. Each of the others is an independent unit addressed to one group of users of the PLAN system (application users, application designers, or application programmers).
Application Program Manual, 25 pages

GH20-0627

SYSTEM/360 CAPACITY PLANNING - INFINITE LOADING SYSTEM/360 CAPACITY PLANNING - FINITE LOADING APPLICATION DESCRIPTION MANUAL

PROGRAM NUMBERS: 5736-M11 5736-M12
The System/360 Capacity Planning program products are designed to meet the needs of manufacturers who purchase and make subassemblies and parts for large and complex end items or who purchase, make, and then stock parts and subassemblies for later assembly into a variety of end products.

The program product System/360 Capacity Planning -- Infinite Loading (5736-M11) provides the necessary logic to:

- Determine the required labor or machine hours necessary to meet a given set of order requirements
- Load orders to infinite capacity

The program product System/360 Capacity Planning -- Finite Loading (5736-M12) provides all of the logic of program product 5736-M11 and also provides the logic to:

- Perform single-level pegging
- Load orders in a priority sequence up to the limit of known capacity
- Move the order to a time period that has available capacity when bottlenecks are discovered
- Establish order start dates for components, subassemblies, and final assemblies, consistent with available plant capacity

Both program products require data from an item master file or subordinate item master file, a standard routing file, and a work center master file as created and maintained by the System/360 Bill of Material Processor (360A-ME-06X).

Both program products require planned order information as created by System/360 Requirements Planning, program number 360A-MF-05X, or an equivalent system.

Finite loading (5736-M12) requires connection record (single-level pegging) information as created by program product System/360 Requirements Planning Interface (5736-M13) or an equivalent system.
Program Product Manual, 75 pages

GH20-0629

LAW ENFORCEMENT MANPOWER RESOURCE ALLOCATION SYSTEM (LEMRRAS): APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-G21

LEMRRAS is a program to assist the law enforcement administrator to determine his manpower requirements to answer the public's calls for service. LEMRRAS provides the police administrator with geographic and time oriented data that assists him in the allocation of his patrol manpower.

This manual reviews the need for improved methods of deploying and directing the police agencies' most expensive resource - manpower. The capabilities of the LEMRRAS approach for achieving this improvement are described, including sample reports and suggestions as to the kinds of decisions that might be made on the basis of these reports. Attention is given to the requirements for implementing LEMRRAS, including staffing, data capture and control, selection of event classes, and geographic coding. Cautions relating to certain limitations of the LEMRRAS forecasting techniques are also outlined.
Systems Reference Library Manual, 60 pages

SH20-0630

SYSTEM/360 GENERALIZED INFORMATION SYSTEM PROGRAM DESCRIPTION MANUAL VOLUME 1: SYSTEM OVERVIEW AND CONTROL (5736-CX1)

The Generalized Information System, abbreviated GIS, consists of an integrated set of programs for System/360 to provide general-purpose information handling. User input statements initiate and direct the system functions of creating, querying, and maintaining formatted data files variously structured. GIS routines are completely coded in the OS/360 Assembler Language and operate under the overall control of OS/360 with MVT.

This manual is presented in three volumes, the first of which describes the GIS monitor program and the capabilities associated with it. Data Description (file definition) facilities and procedure-directing facilities are specified in Volumes 2 and 3, respectively.
Program Product Manual, 180 pages

SH20-0632

SYSTEM/360 GENERALIZED INFORMATION SYSTEM OPERATIONS MANUAL (5736-CX1)

This manual addresses operations personnel intending to run the Generalized Information System under the System/360 Operating System using the option of Multiprogramming with a variable Number of Tasks. Contents include SYSGEN procedures, OS/360 Job Control Language statements already written into the system's monitor program, and diagnostic messages available to the system user.
Program Product Manual, 196 pages

SH20-0634

INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360 PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5736-CX3

The Information Management System/360 is an Operating System/360 processing program designed to facilitate the implementation of medium to large common data bases in a multiapplication environment. This environment is created to accommodate both online message processing and conventional batch processing, either separately or concurrently. The system permits the evolutionary expansion of data processing applications from a batch-only to a teleprocessing environment.

This manual contains a description of the functions concerned with IMS/360 in a data processing environment and of the system and its facilities provided; a discussion of data base and application program structure and details; and systems and terminal operations interfaces. An appendix includes application program examples in both COBOL and PL/I. An index is included to facilitate the use of the manual.
Program Product Manual, 201 pages

SH20-0635

INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360: OPERATIONS MANUAL, VOLUME I - SYSTEMS OPERATION PROGRAM NUMBER 5736-CX3

Information Management System/360 is an Operating System/360 processing program design to facilitate the implementation of medium to large common data bases in a multiapplication environment. This environment is created to accommodate both online message processing and conventional batch processing, either separately or concurrently. The system permits the evolutionary expansion of data processing applications from a batch-only to a teleprocessing environment.

This volume of the Operations Manual includes information on IMS/360 system distribution and handling, on planning the IMS/360 system, and on implementing the system. System examples and a sample problem are supplied; a chapter on status codes and completion codes is also included.
Systems Reference Library Manual, 272 pages

SH20-0636

INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360
OPERATIONS MANUAL VOLUME II - MACHINE OPERATIONS
PROGRAM NUMBER 5736-CX3

The Information Management System/360 is an Operating System/360 processing program designed to facilitate the implementation of medium to large common data bases in a multiapplication environment. This environment is created to accommodate both online message processing and conventional batch processing, either separately or concurrently. The system permits the evolutionary expansion of data processing applications from a batch-only to a teleprocessing environment.

This volume of the Operations Manual supplies detailed information on the relationship of the Machine Operations function to IMS/360.
 Program Product Manual, 136 pages

GH20-0645

ADVANCED LIFE INFORMATION SYSTEM (DOS)
BATCH EDIT, SYSTEM MANUAL
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

This manual describes the processing of input cards and the creating of file maintenance transaction items. Appropriate flowcharts, flowchart narratives, input/output formats, table descriptions, and program modification aids are included.

Program Product Manual, 64 pages

GH20-0646

ADVANCED LIFE INFORMATION SYSTEM (DOS)
ALIS -- INPUT EDIT, SYSTEM MANUAL
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

This manual describes processing of transaction items produced by the batch edit program and also describes the creation of external file maintenance transactions. Appropriate flowcharts, flowchart narratives, input/output formats, table descriptions, and program modification aids are included.

Program Product Manual, 319 pages

GH20-0647

ADVANCED LIFE INFORMATION SYSTEM (DOS)
FREQUENTLY USED RECORD FORMATS, SYSTEM MANUAL
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

This manual contains the transaction data area formats, the miscellaneous data area formats, and a policy master record format. The transaction data area formats illustrate the output from the input edit program and the input to the file maintenance program. The transaction data area formats illustrate a portion of certain output messages from the file maintenance run. The miscellaneous data area formats illustrate a portion of certain output messages from the file maintenance run. Both the transaction data area formats and miscellaneous data area formats are a part of the input and output for many of the output runs. In the documentation for the output runs, reference is made to the Frequently Used Record Formats volume for illustration of the exact nature of portions of the input or output message.

Program Product Manual, 80 pages

GH20-0648

ADVANCED LIFE INFORMATION SYSTEM (DOS)
MISCELLANEOUS VOLUME, SYSTEM MANUAL
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

This manual contains sections on customer constants, customer tables, file maintenance account numbers and customer account strips, file maintenance message codes, transaction codes, and file maintenance work areas. The information in this manual is referenced by many system manuals, although the file maintenance system manuals refer to the data in this volume most frequently.

Program Product Manual, 236 pages

GH20-0649

ADVANCED LIFE INFORMATION SYSTEM (DOS)
FILE MAINTENANCE RUN EXECUTIVE, SYSTEM MANUAL
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

This manual describes the processing of file maintenance transactions created by the input edit program and of file maintenance transactions scheduled as a function of time. The creation of file maintenance messages, updated policy master records, and restart records is also described. Appropriate flowcharts, flowchart narratives, input/output formats, and work areas are included.

Program Product Manual, 72 pages

GH20-0650

ADVANCED LIFE INFORMATION SYSTEM (DOS)
DATA CELL REORGANIZATION PROGRAM, POLICY MASTER RECORD MERGE
PROGRAM, DATA CELL RECONSTRUCTION PROGRAM, AND DATA CELL
RESTORE PROGRAM, SYSTEMS MANUAL
PROGRAM NUMBERS 360A-IL-09X AND 5736-N11

This manual is in four sections. Section 1 describes the data cell reorganization program; Section 2 describes the policy master record merge program; Section 3 describes the data cell reconstruction program; and Section 4

describes the data cell restore program. Appropriate flowcharts, narratives, input/output formats, and program modification aids are included.
 Program Product Manual, 68 pages

GH20-0651

ADVANCED LIFE INFORMATION SYSTEM (DOS)
ALIS -- FILE MAINTENANCE INCLUDE (R) ROUTINES (NARRATIVES),
SYSTEM MANUAL - PROGRAM NUMBERS 360A-IL-09X AND 5736-N11

This manual includes a general description of each file maintenance include routine. This manual should be used with the FILE MAINTENANCE INCLUDE (R) ROUTINES (FLOWCHARTS) SYSTEM MANUAL to obtain a more detailed understanding of the processing in each include routine.

Program Product Manual, 488 pages

GH20-0652

ADVANCED LIFE INFORMATION SYSTEM (DOS)
FILE MAINTENANCE INCLUDE (R) ROUTINES (FLOWCHARTS),
SYSTEM MANUAL
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

This manual contains a flowchart for each file maintenance include routine. This manual should be used with the FILE MAINTENANCE INCLUDE (R) ROUTINES (NARRATIVES) SYSTEM MANUAL to obtain a detailed understanding of the processing in each include routine.

Program Product Manual, 813 pages

GH20-0653

ADVANCED LIFE INFORMATION SYSTEM (DOS)
FILE MAINTENANCE CALL (S) ROUTINES (NARRATIVES),
SYSTEM MANUAL
PROGRAM NUMBERS 360A-IL-09X, 5736-N11

This manual includes a general description of each file maintenance call routine. This manual should be used with the FILE MAINTENANCE CALL (S) ROUTINES (FLOWCHARTS) SYSTEM MANUAL to obtain a detailed understanding of the processing in each call routine.

Program Product Manual, 598 pages

GH20-0654

ADVANCED LIFE INFORMATION SYSTEM (DOS)
FILE MAINTENANCE CALL ROUTINES (S) (FLOWCHARTS),
SYSTEM MANUAL
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

This manual contains a flowchart for each file maintenance call routine. This manual should be used with the FILE MAINTENANCE CALL ROUTINES (S) (NARRATIVES) to obtain a detailed understanding of the processing in each call routine.

Program Product Manual, 598 pages

GH20-0655

ADVANCED LIFE INFORMATION SYSTEM (DOS)
FILE MAINTENANCE ISSUES, ADDITIONS, COMPLEX CHANGES, AND
TERMINATIONS TRANSACTIONS, SYSTEM MANUAL
PROGRAM NUMBERS 360A-IL-09X AND 5736-N11

This manual describes the processing for issues, additions, complex changes, and terminations in the file maintenance program. A program abstract, narratives, and flowcharts are included.

Program Product Manual, 37 pages

GH20-0656

ADVANCED LIFE INFORMATION SYSTEM (DOS)
FILE MAINTENANCE SIMPLE CHANGES TRANSACTIONS, SYSTEM MANUAL
PROGRAM NUMBERS 5736-N11 AND 360A-IL-09X

This manual describes the external file maintenance transactions that add, delete, or replace individual policy master record fields and/or trailers. A program abstract, narratives, and flowcharts are included.

Program Product Manual, 129 pages

GH20-0657

ADVANCED LIFE INFORMATION SYSTEM (DOS)
FILE MAINTENANCE 360X FINANCIAL TRANSACTIONS - PAYMENTS,
SYSTEM MANUAL
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

This manual describes financial processing for all payment transactions in the file maintenance program. A program abstract, narratives, and flowcharts are included.

Program Product Manual, 56 pages

GH20-0658

ADVANCED LIFE INFORMATION SYSTEM (DOS)
FILE MAINTENANCE FINANCIAL TRANSACTIONS ACCOUNTING ENTRIES,
SYSTEM MANUAL
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

This manual describes financial processing for all accounting adjustment transactions in the file maintenance program. A program abstract, narratives, and flowcharts are included.

Program Product Manual, 82 pages

GH20-0659

ADVANCED LIFE INFORMATION SYSTEM (DOS)
FILE MAINTENANCE STATUS TRANSACTIONS - PROCESS AND QUOTE
TERMINATIONS, SYSTEM MANUAL
 (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
 This manual describes processing in the file maintenance program for executing termination status transactions on a process (action) and a quote basis. A program abstract, narratives, and flowcharts are included.
 Program Product Manual, 19 pages

GH20-0667

ADVANCED LIFE INFORMATION SYSTEM STATUS PRINT, SYSTEM MANUAL
 (PROGRAM NUMBER: VERSION 1-360A-IL-09X VERSION 2 - 5736-N11)
 This manual describes processing of status report extracts produced by the output analysis program and the creation of printed status reports. Appropriate flowcharts, flowchart narratives, input/output formats, table descriptions, and program modification aids are included.
 Program Product Manual, 105 pages

GH20-0660

ADVANCED LIFE INFORMATION SYSTEM (DOS)
FILE MAINTENANCE STATUS TRANSACTIONS - PROCESS AND QUOTE
MISCELLANEOUS, LOAN VALUES, AND PARTICIPATION VALUES,
SYSTEM MANUAL
 (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
 This manual describes file maintenance program processing for miscellaneous, loan value, and participation value status transactions on a process (action) and a quote basis. A program abstract, narratives, and flowcharts are included.
 Program Product Manual, 212 pages

GH20-0668

ADVANCED LIFE INFORMATION SYSTEM (DOS)
POLICY ACCOUNTING JOURNAL, SYSTEM MANUAL
 (PROGRAM NUMBERS 360A-IL-09X AND 5736-N11)
 This manual describes the processing of accounting records and the printing of the policy accounting journal. Appropriate flowcharts, flowchart narratives, input/output formats, and table descriptions are included.
 Program Product Manual, 17 pages

GH20-0661

ADVANCED LIFE INFORMATION SYSTEM (DOS)
FILE MAINTENANCE BILLING TRANSACTIONS SYSTEM MANUAL
 (PROGRAM NUMBER: VERSION 1-360A-IL-09X VERSION 2 - 5736-N11)
 This manual provides detailed information to help the user understand the billing processing in the file maintenance program. It describes processing for the internal transaction billing (normal billing), catch-up billing, externally generated billing (billing request transaction billing), and special frequency billing. A program abstract, narratives, and flowcharts are provided.
 Program Product Manual, 68 pages

GH20-0669

ADVANCED LIFE INFORMATION SYSTEM (DOS)
ACCOUNTING CONTROL, SYSTEM MANUAL
 (PROGRAM NUMBERS 360A-IL-09X AND 5736-N11)
 This manual describes the updating of the accounting control file and the printing of the accounting control register. Appropriate flowcharts, flowchart narratives, input/output formats, table descriptions, and program modification aids are included.
 Program Product Manual, 13 pages

GH20-0662

ADVANCED LIFE INFORMATION SYSTEM (DOS)
FILE MAINTENANCE PREMIUM DUE, OVERDUE, AND ANNIVERSARY
PROCESSING TRANSACTIONS, SYSTEM MANUAL
 (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
 This manual describes processing in the file maintenance program for premium due, overdue, and anniversary processing activity. A program abstract, narratives, and flowcharts are included.
 Program Product Manual, 39 pages

GH20-0670

ADVANCED LIFE INFORMATION SYSTEM (DOS)
ERROR REGISTER, SYSTEM MANUAL
 (PROGRAM NUMBERS 360A-IL-09X AND 5736-N11)
 This manual describes the processing of error register messages and the printing of the error register. Appropriate flowcharts, flowchart narratives, input/output formats, and table descriptions are included.
 Program Product Manual, 27 pages

GH20-0663

ADVANCED LIFE INFORMATION SYSTEM (DOS)
FILE MAINTENANCE RATE FILE EXTRACT AND ANNIVERSARY
UPDATE TRANSACTIONS, SYSTEM MANUAL
 (PROGRAM NUMBERS 360A-IL-09X AND 5736-N11)
 This manual describes the processing in the file maintenance program required to create the rate file extracts and to perform the anniversary extract updating. A program abstract, narratives, and flowcharts are included.
 Program Product Manual, 17 pages

GH20-0671

ADVANCED LIFE INFORMATION SYSTEM (DOS)
RATE FILE, SYSTEM MANUAL
 (PROGRAM NUMBERS 360A-IL-09X AND 5736-N11)
 This manual describes processing for rate file extracts, the use of the rate file, and the creation of the output extract for updating the policy master record file. Appropriate flowcharts, flowchart narratives, input/output formats, and program modification aids are included.
 Program Product Manual, 28 pages

GH20-0664

ADVANCED LIFE INFORMATION SYSTEM (DOS)
FILE MAINTENANCE CONTRACTUAL CHANGES AND NOTIFICATIONS,
SYSTEM MANUAL
 (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
 This manual describes the internal processing in the file maintenance program based on the annual activity date and the contractual change activity date in the policy information section of the policy master record. A program abstract, narratives, and flowcharts are included.
 Program Product Manual, 66 pages

GH20-0672

ADVANCED LIFE INFORMATION SYSTEM (DOS)
HOME OFFICE INQUIRY PROGRAM SYSTEM MANUAL
 (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
 This manual provides detailed information to help the user understand the home office inquiry program. A program abstract, narratives, flowcharts, core storage map, and program modification aids are provided.
 Program Product Manual

GH20-0665

ADVANCED LIFE INFORMATION SYSTEM (DOS)
OUTPUT ANALYSIS, SYSTEM MANUAL
 (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
 This manual describes the processing of message output from the file maintenance run. Appropriate flowcharts, flowchart narratives, input/output formats, program modification aids, and table descriptions are included. The input/output formats and descriptions are to be used as an explanation of the file maintenance output in addition to their use in describing the input and output from the output analysis program.
 Program Product Manual, 149 pages

GH20-0673

CALL/360-OS SYSTEM DESCRIPTION MANUAL,
PROGRAM NUMBER 360A-CX-42X
 This manual is intended primarily to define the scope of applicability of CALL/360-OS for customer executives, system analysts, and programmers. It describes the facilities of CALL/360-OS and includes a general discussion of the CALL/360-OS system configuration, terminal processing, system structure and control, system support and maintenance facilities, and an introduction to the language processors supported. The terminal command language is summarized for the user.
 CALL/360-OS is a terminal-oriented, time-sharing system designed to operate as a problem program under either the IBM System/360 Operating System (OS/360) Multiprogramming with a Fixed Number of Tasks (MFT) or Multiprogramming with a Variable Number of Tasks (MVT) control program. The Model 65 Multiprocessing System (M65MP) is not supported.

GH20-0666

ADVANCED LIFE INFORMATION SYSTEM (DOS)
TRANSACTION REGISTER, SYSTEM MANUAL
 (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
 This manual describes processing of transaction register extracts and error register extracts produced by the output analysis program and also describes the creation of transaction register reports. Appropriate flowcharts, flowchart narratives, input/output formats, table descriptions, and program modification aids are included.
 Program Product Manual, 45 pages

CALL/360-OS provides a personal computing facility designed to handle a high volume of traffic in a problem-solving environment. The system is designed to satisfy the needs of the professional programmer as well as the individual with no programming experience. It provides remote terminal services for CALL/360-OS BASIC, CALL/360-OS FORTRAN, and CALL/360-OS PL/I users.
 Application Program Manual, 36 pages

SH20-0675

SYSTEM/360 POWER SYSTEM PLANNING FOR THE ELECTRIC
UTILITY INDUSTRY (OS) (5736-U12)
 The Power System Planning (PSP) Program Product package is designed specifically for the IBM System/360. The package uses disk storage to provide the capability of establishing a master data bank of repetitively-used

engineering data which describes an electrical network. The package further provides the convenience of automatic data retrieval from the master data bank whenever a simulation program is to be run. In order to study the steady-state and transient operational characteristics of present and projected interconnected power networks, three digital simulation programs are included in the package -- Power Flow, Short Circuit, and Transient Stability.

This manual is designed for use by those in the system planning group who are responsible for prepaing data, for initiating the PSP components, and for analyzing the results of the PSP component runs. The purpose of this manual is to provide the user with an understanding of the program necessary to implement the application. Included are descriptions of the PSP components, input/output descriptions, timing information, a sample problem, program modification aids, error messages, and the information necessary to install the package and to initiate a simulation study.

Program Product Documentation, 318 pages

SH20-0676

SYSTEM/360 POWER SYSTEM PLANNING FOR THE ELECTRIC UTILITY INDUSTRY (OS) (5736-012), OPERATIONS MANUAL
The Power System Planning (PSP) Program Product is designed specifically for the IBM System/360. The program uses disk storage to provide the capability of establishing a master data bank of repetitively-used engineering data which describes an electrical network. The program further provides the convenience of automatic data retrieval from the master data bank whenever a simulation study is to be run. In order to study the steady-state and transient operational characteristics of present and projected interconnected power networks three digital simulation programs are provided. These are -- Power Flow, Short Circuit, and Transient Stability.

This manual is designed for use by operations personnel responsible for setting up and executing the PSP program. The manual provides the specifications and necessary information for retrieving data from distributed machine-readable material (MRM) and cataloging the program in the user's library. Use of this manual requires an operating knowledge of the IBM System/360 Operating System (OS/360) job control language and operating procedures.

Program Product Documentation, 64 pages

SH20-0677

PROJECT MANAGEMENT SYSTEM/360 VERSION 3 PROGRAM DESCRIPTION AND OPERATIONS MANUAL
PROGRAM NUMBER 5734-XP1

This manual provides a detailed description of the four component parts of PMS/360: the Network Processor, the Resource Allocation Processor, the Cost Processor, and the Report Processor. It provides in detail the format of input required, the methods of calculation followed, and an explanation of the output generated by each processor. It also defines OS/360 Job Control cards required to run the three processors. This manual will enable the user to perform critical path analysis as well as PERT and PERT/COST analyses.

Program Product Manual, 592 pages

GH20-0678

GRAPHIC ANALYSIS OF THREE-DIMENSIONAL DATA (GATD) PROGRAM DESCRIPTION MANUAL - PROGRAM NUMBER 5734-XX2
Graphic Analysis of Three-Dimensional Data (GATD) is an application system built around the IBM 2250 Display Unit, which permits online analysis of data in three-dimensional arrays. GATD operates in conjunction with OS/360, PLAN (Problem Language Analyzer), and PGS (PLAN Graphic Support).

This manual contains a general description of the GATD system, an example of system usage, detailed information on preparation of user data for GATD processing, and GATD file descriptions. It also contains, for each function performed by the GATD system, a description of the function, restrictions and range, and a description of all displays and programs used to implement the function.

Manual, 120 pages

SH20-0679

GRAPHIC ANALYSIS OF THREE-DIMENSIONAL DATA (GATD) OPERATIONS MANUAL - PROGRAM NUMBER 5734-XX2
Graphic Analysis of Three-Dimensional Data (GATD) is an IBM 2250-oriented application program which operates under OS/360 and uses facilities of the Problem Language Analyzer (PLAN) and PLAN Graphics Support (PGS) packages.

This manual describes the Job Control Language and PLAN statements required to retrieve machinereadable material from the distributed tape, perform all one-time initialization functions, and execute a sample problem. It also describes modifications to Job Control Language and PLAN statements for subsequent runs involving addition of user programs to the library, addition of user panels, access to user input and output data files, and saving and restoring data generated by the GATD programs. Included are all considerations necessary to display the main GATD control panel on an IBM 2250 Display Unit. All subsequent considerations involved in using the system, including

error messages displayed and associated error recovery procedures, are included in the Terminal Operations Manual. Manual, 30 pages

SH20-0680

GRAPHIC ANALYSIS OF THREE-DIMENSIONAL DATA (GATD) TERMINAL OPERATIONS MANUAL

This manual is written for the IBM 2250 console operator and describes how the light pen is used to control the GATD system.

Manual, 64 pages

GH20-0689

APL/360 PRIMER - PROGRAM NUMBERS 5734-XX1 AND 5736-XX1

This primer provides an introduction to the APL/360 system and to the APL programming language. It discusses the mechanics of using the system, and shows how to write representative programs for a variety of applications. The treatment is elementary, and for a discussion of advanced system features and available operations, refer to the APL/360 User's Manual.

Program Product Manual, 256 pages

GH20-0690

PROJECT MANAGEMENT SYSTEM/360 VERSION 3 APPLICATION DESCRIPTION MANUAL - PROGRAM NUMBER 5734-XP1

PMS/360 is a highly modular set of computer program routines, each performing one function common to many management applications. It is open-ended - that is, the number of functions under PMS/360 can be expanded and added to. It is versatile - that is, the user can control program logic without resorting to reprogramming. Output reports can be defined with a single set of procedural statements and can be revised with every computer run if required. The computer code itself is written in a way that simplifies modification, if this ever becomes necessary.

Program product manual, 44 pages

GH20-0691

GENERAL PURPOSE SIMULATION SYSTEM/360 (OS AND DOS) VERSION 2 APPLICATION DESCRIPTION, PROG. NOS. 5734-XX1 AND 5736-XX1

This manual discusses the role of GPSS in system simulation, briefly describes the operation of the GPSS program, and points out its application scope. A final section describes the major functions, capabilities, and system requirements of GPSS/360 Version 2.

Program Product Manual, 16 pages

SH20-0692

GENERAL PURPOSE SIMULATION SYSTEM/360 OS VERSION 2 OPERATOR'S MANUAL - PROGRAM NUMBER 5734-XX1

This publication contains information that will enable the user to link-edit and incorporate the GPSS/360 program into a system for subsequent execution under the control of OS/360. Detailed examples are given for editing the GPSS/360 program into a private JOBLIB or the OS/360 JCL cards required to execute models that use various features provided by GPSS/360. It also describes a method (REALLOCATION) whereby the user can reallocate the quantity of GPSS/360 entities and effectively use all available core storage. The various data sets required by GPSS/360 are also listed and described.

This manual explains in detail three extended features of GPSS/360. It also includes specifications and considerations for use of the Run Length feature and the LOAD feature, as well as examples of independently compiled user-written FORTRAN routines used in conjunction with GPSS/360.

Program Product Manual, 60 pages

SH20-0693

GENERAL PURPOSE SIMULATION SYSTEM/360 OS AND DOS VERSION 2 INTRODUCTORY USER'S MANUAL, PROG. NOS. 5734-XX1 AND 5736-XX1

This publication provides a basic introduction to the use of the General Purpose System/360 (GPSS/360). It is written for those individuals who have not had previous simulation experience.

Examples are given throughout the manual to emphasize the basic features of the GPSS/360 program. A complete and detailed description of all the GPSS/360 features may be found in the GPSS/360 User's Manual (h20-0694). Readers are advised to obtain a copy of the User's Manual when they begin to write more sophisticated models.

The information presented in this manual should enable most readers to apply the program intelligently within a short period of time.

Program Product Manual, 84 pages

SH20-0694

GENERAL PURPOSE SIMULATION SYSTEM/360 OS AND DOS VERSION 2 USER'S MANUAL

PROGRAM NUMBERS 5734-XX1 AND 5736-XX1

This publication, an extension and amplification of the GPSS/360 Introductory User's Manual, provides a detailed description and explanation of the component parts and operation of the GPSS/360 program. Examples illustrating the uses of GPSS/360 are given in appropriate sections

of the manual. This manual should enable the reader to construct and simulate models using the full capabilities of GPSS/360.
Program Product Manual, 250 pages

SH20-0695

LAW ENFORCEMENT MANPOWER RESOURCE ALLOCATION SYSTEM (LEMTRAS) PROGRAM DESCRIPTION MANUAL
PROGRAM NUMBER 5736-G21

The System/360 Law Enforcement Manpower Resource Allocation System (LEMTRAS) can assist police departments in the planning and evaluation of patrol manpower use through the application of scientific management techniques to maintain and analyze information relating to called-for-service activity, over user-defined geographic areas and time periods. The forecasted activity may, upon user request, be analyzed to derive information on the number of patrol units required to answer the calls. Lemtras-prepared information may also be combined with other data to help derive total manpower requirements.

The purpose of this manual is to present detailed information on the operation and use of LEMTRAS. The basic functions described are preparation and the user support of an operational system.

Program Description manual, 422 pages

SH20-0696

LAW ENFORCEMENT RESOURCE ALLOCATION SYSTEM (LEMTRAS) OPERATIONS MANUAL (5736-G21)

The System/360 Law Enforcement Manpower Allocation System (LEMTRAS) is a system which can assist police departments in the planning and evaluation of patrol manpower. Applying scientific management techniques to maintain and analyze information relating to called-for-service activity, LEMTRAS forecasts average future activity over user-defined geographic areas and time periods. The forecasted activity may, upon user request, be analyzed to derive information on the number of patrol units required to answer the calls. LEMTRAS prepared information may also be combined with other data to help derive total manpower requirements.

This manual presents program execution information, a description of all console and printer messages, and examples showing control card sequence for each LEMTRAS phase.

Manual, 100 pages

GH20-0697

MEDICAL INFORMATION SYSTEM PROGRAMS (MISP) PROGRAMMER'S MANUAL - PROGRAM NUMBER 360A-UH-08L

The purpose of this manual is to describe how to use the Medical Information System Programs and facilities. A description of each interface to the executive program, each library routine, system symbols, and parameters for system definition are included. In addition, there is a series of steps outlined for guidance in construction of application programs using the MISP facilities.
Manual, 140 pages

SH20-0698

GENERAL PURPOSE SIMULATION SYSTEM/360 DOS VERSION 2 OPERATION MANUAL - PROGRAM NUMBER 5736-XS1

This publication contains information that will enable the user to link-edit and incorporate the GPSS/360 program into a system for subsequent execution under the control of DOS/360.

A method (REALLOCATION) whereby the user can reallocate the quantity of GPSS/360 entities and effectively use all available core storage is described and illustrated. The various data sets required by GPSS/360 are also listed and described.

Three extended features of GPSS/360 are explained in detail in this publication. Specifications and considerations for use of the Run Length feature, the LOAD feature, and examples of independently compiled user-written FORTRAN routines used in conjunction with GPSS/360 are also included.

Manual, 68 pages

GH20-0699

CALL-OS BASIC LANGUAGE REFERENCE MANUAL - PROGRAM NUMBER 360A-CX-44X

CALL-OS is a system designed to operate under the IBM Operating System (OS). It provides the facility (tool) of personal computing for a user at a remote terminal. CALL-OS is applicable for a wide range of users, both persons with little or no computer experience and experienced programmers. It consists of a terminal command language, plus language processors. CALL-OS emphasizes problem solution at the convenience of the terminal user. Thus, a terminal user will be provided with rapid turnaround, ease of use, and general availability of computer resources.

One of the programming languages available to CALL-OS terminal users is CALL-OS BASIC. This manual provides a description of the features available in the CALL-OS BASIC language which is an extension of the BASIC language as originally developed, providing additional capabilities for the terminal user.
Manual, 96 pages

GH20-0700

CALL/360-OS PL/I LANGUAGE REFERENCE MANUAL

CALL/360-OS is a system designed to operate under Operating System/360 (OS/360). It provides the facility (tool) of personal computing for a user at a remote terminal. CALL/360-OS is applicable for a wide range of users--persons with little or no computer experience as well as experienced programmers. It consists of a Terminal Command Language, plus language processors. CALL/360-OS emphasizes problem solution at the convenience of the terminal user. Thus a terminal user will be provided with rapid turnaround, ease of use, and general availability of computer resources.

This manual provides a description of the features available in the CALL/360-OS PL/I language. CALL/360-OS PL/I is designed to meet the needs of the terminal user.
Application Program Manual, 174 pages

GH20-0709

SHARED LABORATORY INFORMATION SYSTEM (SLIS) APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-H12

The IBM Shared Laboratory Information System (SLIS) provides data processing support for hospital clinical laboratories. Operating under the Shared Hospital Accounting System (SHAS) executive, the programs handle batched input of laboratory requisitions and test results, producing laboratory reports for use throughout the hospital.

The program design allows tailoring of formats and procedures to meet the separate needs of several hospitals sharing a common computer. Input and output of the system may optionally use the SHAS teleprocessing executive, allowing remote data entry and report production. The laboratory application programs complement the SHAS accounting applications through the use of a common admission procedure and automatic charge generation.

This publication describes the features of the IBM Shared Laboratory Information System and is designed to give the reader an overall knowledge of the system without reference to program detail.

Manual, 36 pages

SH20-0711

SYSTEM/360 TEXT PROCESSOR - EDIT/360 OPERATIONS MANUAL PROGRAM NUMBER 5736-K11

The EDIT/360 component of the IBM System/360 Text Processor consists of control and functional routines which retrieve input from a user-prepared disk-resident file. Input consists of textual material, text-formatting commands, and output requests. After the output text has been proofread, alterations can be made to stored textual data through the use of text modification commands without reentering the original text input. Completely justified and corrected text is written as generalized disk records. The user must provide routines to retrieve this generalized information, convert it into coding acceptable to the specific composition device. If word division capabilities are required EDIT/360 uses the HYPHENATION/360 component

of the System/360 Text Processor (360A-DP-07X).

This publication contains detailed preparatory systems procedures; operating instructions, error messages, and restart procedures for the component programs; and programming system and machine requirements.

A detailed knowledge of DOS operating procedures is a prerequisite for reading and using this manual.
Manual, 140 pages

SH20-0712

SYSTEM/360 TEXT PROCESSOR - EDIT/360

PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5736-K11

The EDIT/360 component of the IBM System/360 Text Processor consists of control and functional routines which retrieve input from a user-prepared disk-resident file. Input consists of textual material, text-formatting commands, and output requests. After the output text has been proofread, alterations can be made to stored textual data through the use of text modification commands without reentering the original text input. Completely justified and corrected text is written as generalized disk records. The user must provide routines to retrieve this generalized information, convert it into coding acceptable to the specific composition device on which final printing will occur, and write it to the appropriate systems output device. If word division capabilities are required, EDIT/360 uses the HYPHENATION/360 component of the System/360 Text Processor (360-DP-07X).

This publication contains an explanation of the composition control languages supported, processing and file descriptions, system and examples, and preinstallation requirements for use of the EDIT/360 module and its associated utility programs. A detailed knowledge of DOS operating procedures is a prerequisite for reading and using this manual.

Manual, 318 pages

GH20-0719

360 DOS POWER II APPLICATION DESCRIPTION MANUAL

PROGRAM NUMBER 360D-05.2.006

This is a general introduction to POWER II (Priority Output Writers, Execution Processors, and Input Readers), an

automatic SPOOLing processor and priority scheduler for normal batch processing under DOS. POWER II operates under DOS, providing significant improvement in system throughput, and many additional functions. It is a Type III Class A Program.
Application Program Manual, 28 pages

Program Description Manual, 221 pages

GH20-0720

COURSEWRITER III FOR SYSTEM/360 VERSION 2 OPERATOR'S GUIDE
PROGRAM NUMBER 360A-UX-01X
This publication describes operations to be performed by the Coursewriter III System console operator. These include:

- o A brief section on system components with a sample machine configuration.
- o A detailed step-by-step procedure to prepare the Coursewriter III, Version 2, system.
- o IBM terminal line code and EBCDIC tables.

Prior knowledge of Disk Operating System/360 and Basic Telecommunications Access Method operating procedures is assumed.
Manual, 35 pages

SH20-0728

ORDER ALLOCATION SYSTEM OPERATIONS MANUAL
PROGRAM NUMBER 5736-D41
The Order Allocation System assists apparel and shoe manufacturers in allocating and shipping stock to customers. This manual describes the operating procedures and job control cards required for retrieving programs from the distribution tape, preparing the system, operating the system, and running the sample problem.
Operations Manual, 60 pages

GH20-0721

SYSTEM/360 CONSUMER GOODS SYSTEM (COGS)
ALLOCATION (DOS) (OS) APPLICATION DESCRIPTION MANUAL
PROGRAM NUMBERS (DOS) 5736-D31, (OS) 5734-D32
This manual describes the techniques of service point and variable interval allocation as they apply to the distribution function of the consumer goods industry. Consumer Goods System (COGS) - Allocation handles allocation of finished products to warehouses or distribution centers on the basis of forecast usage, current stock status, shipping restrictions, and management's policy for service and inventory. COGS - Allocation also provides a means of simulating the distribution process for up to one year. The audience for this manual includes executives, system analysts, and programmers. The manual provides an overview of the application with information for the prospective customer to use in determining applicability and begin planning for implementation of the program. Included in the manual are a general description of the program, common elements of the push and pull policies, elements unique to a pull policy, elements unique to a push policy, user responsibilities, system considerations, and input/output formats.
Application Description Manual, 52 pages

GH20-0730

TARIFF PUBLISHING SYSTEM (BOUND TARIFFS) AND TRAFFIC PROFILE ANALYSIS SYSTEM (POINT-TO-POINT TARIFF ITEM SELECTION): APPLICATION DESCRIPTION MANUAL, PROG. NOS. 5736-T21, -T22
The Tariff Publishing System is a computer program designed to assist the tariff publishing agent in supplementing, reissuing, and distributing bound tariffs. The principal outputs of the system are magnetic tapes for distribution and camera-ready tariff material for reproduction. These magnetic tape tariffs may be used by shippers and carriers for computerized analysis. The Traffic Profile Analysis System provides a computerized means of specifying and selecting point-to-point tariff matter based on a user's interest profile. The interest profile identifies the commodities a tariff user ships, the carriers via which freight may be transported, and the points which are of interest to the user. The Tariff Publishing System is a prerequisite for the use of the Traffic Profile Analysis System. The graphics, codes, and formats for entry and display of tariff matter have been standardized to improve the operating efficiency of the Tariff Publishing System and the consistency and readability of the tariff for users. The standards meet the requirements published in Interstate Commerce Commission circulars and, in addition, follow the best of today's tariff publishing practices. The Tariff Publishing System and the Traffic Profile Analysis System use IBM System/360 Disk Operating System. The audience for this manual includes executives, system analysts, and programmers. The manual provides the potential user with information necessary to begin planning for the installation of these programs. This manual provides a general description of the Tariff Publishing System and the Traffic Profile Analysis System and describes the extent of coverage of the programs, highlights the advantages that may be realized through their use, and provides preliminary planning information for users.
Program Product Manual, 48 pages

GH20-0722

SYSTEM/360 CONSUMER GOODS SYSTEM (COGS) FORECASTING (DOS) (OS) - APPLICATION DESCRIPTION MANUAL - PROGRAM NUMBER
DOS 5736-D32, OS 5734-D33
COGS-Forecasting is a general purpose forecasting system applicable to the distribution, manufacturing, and process industries. This manual provides an overview of the forecasting application and an introduction to COGS-Forecasting. Major topics include forecasting concepts, the techniques used by COGS-Forecasting, a description of the operation of the system, and preliminary installation planning. The audience for this manual includes executives, inventory control personnel, systems analysts, programmers, and all others who require an introduction to the system. There are no prerequisites to this manual. However, an understanding of this manual is a prerequisite to the use of COGS-Forecasting Program Description Manual (SH20-0804), COGS-Forecasting Operations Manual (SH20-0803), COGS-Forecasting System Manual (LY20-0621), Licensed Material.
Manual, 42 pages

GH20-0735

COURSEWRITER III FOR SYSTEM/360 (OS AND DOS) VERSION 2
APPLICATION DESCRIPTION MANUAL - PROG. NOS. 5734-ET2,
360A-UX-01X
This publication describes the Coursewriter III System developed for System/360. Included are comments on the value, range, and capabilities of computer-assisted instruction systems in general, as well as descriptive material relating to the computing equipment and programming systems used by System/360.
Manual, 54 pages

GH20-0723

DATA/360-DOS APPLICATION DESCRIPTION MANUAL
PROGRAM NUMBER 5736-XS2
This describes DATA/360, a teleprocessing program written in Assembler Language to operate under the Disk Operating System (DOS). The purpose is to provide a method of entering data by means of 24 local 2260 Display Station Model 2 terminals to a 2314 Direct Access Storage Facility and of verifying this data to produce input to a user's program, bypassing all unit record operations.
Program Product Manual, 24 pages

SH20-0736

SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) SYSTEM/360
GENERALIZED INFORMATION SYSTEM PROGRAM DESCRIPTION MANUAL
VOLUME III: PROCEDURAL LANGUAGE
PROGRAM NUMBER 5736-CX1
This manual describes procedural language facilities for specifying file-processing tasks to be performed by the program product--short title GIS and GIS(BASIC)--under the overall control of the System/360 Operating System. Procedural language statements provide for interrogating, modifying, and updating data files previously defined by means of the GIS data description language. Input statements use English keywords and extension words, and common arithmetic symbols, to express the system user's procedural logic. All elements of the procedural language, and all task statement formats are identical for both GIS and GIS (Basic). Examples and appendix entries show how procedural language elements combine to form statements, and how the statements appear in a task specification.
Program Product Manual, 288 pages

SH20-0726

SYSTEM/360 ORDER ALLOCATION SYSTEM
PROGRAM DESCRIPTION MANUAL
PROGRAM NUMBER 5736-D41
The Order Allocation System is designed to assist apparel manufacturers in allocating available inventory to open orders in a manner consistent with management objectives and direction. Input to the system consists of the user's order and inventory files and the rules to be followed in performing the allocation function. Output from the system consists of picking documents and updated order and inventory files, as well as various listings, reports, and control totals. This manual describes the programs in the system and provides guidance for the installation and use of the Order Allocation System. The reader should be familiar with the Application Description Manual for the Order Allocation System (GH20-0604).

GH20-0737

IBM SYSTEM/360 DOS POWER II PROGRAM DESCRIPTION AND
OPERATIONS MANUAL
PROGRAM NUMBER 360D-05.2.006
POWER II (PRIORITY Output Writers, Execution Processors, and Input Readers) is an automatic SPOOLing processor and priority scheduler for normal batch processing under IBM System/360 Disk Operating System. This manual describes the general concepts and facilities of POWER II. It includes operational and functional characteristics, installation procedures, and maintenance and performance guidelines.

GH20-0743

IBM SYSTEM/360 DOS POWER II REMOTE JOB ENTRY PROGRAM
APPLICATION DESCRIPTION MANUAL
PROGRAM NUMBER 360D-05.2.006

IBM System/360 POWER II Remote Job Entry (POWER II/RJE) offers the ability to submit jobs via remote IBM 2780 Data Transmission Terminals for normal batch processing under DOS. This document presents the general concepts and facilities of RJE. Knowledge of IBM System/360 POWER II is a prerequisite to understanding POWER II/RJE. Application Description Manual, 24 pages

SH20-0744

COURSEWRITER III FOR SYSTEM/360 (OS) VERSION 2
OPERATOR'S GUIDE PROGRAM NUMBER 5734-E12

This publication describes operations to be performed by the Coursewriter III System console operator. These include:

1. A brief section on system components with a sample machine configuration.
2. A detailed step-by-step procedure to prepare the Coursewriter III, Version 2, System.
3. IBM terminal line code and EBCDIC tables.

Prior knowledge of Operating System/360 and Basic Telecommunications Access Method operating procedures is assumed.

Operator's Guide, 36 pages

GH20-0745

SYSTEM/360 OS LEARN ADMINISTRATIVE TERMINAL SYSTEM
APPLICATION DESCRIPTION MANUAL (PROGRAM NO. 5734-XX8)

OS LEARN Administrative Terminal System is designed to help ATS/OS installations teach their terminal operators to use the System/360 Administrative Terminal System. It consists of new and replacement macros and application programs to be incorporated into the existing ATS and eight lessons to be stored as ATS permanent storage documents.

This publication contains a general discussion of the features of the product and the application for which it is designed.

Manual, 12 pages

GH20-0746

SYSTEM/360 DOS LEARN ADMINISTRATIVE TERMINAL SYSTEM
APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-XX3

DOS LEARN Administrative Terminal System is designed to help ATS/DOS installations teach their terminal operators to use the System/360 Administrative Terminal System. It consists of new and replacement macros and application programs to be incorporated into the existing ATS and eight lessons to be stored as ATS permanent storage documents.

This publication contains a general discussion of the features of the product and the application for which it is designed.

Program Product Manual, 12 pages

GH20-0751

OS/360 REQUIREMENTS PLANNING -
APPLICATION DESCRIPTION MANUAL
PROGRAM NUMBER 5734-M51

A manufacturing organization requires that all parts, both manufactured and purchased, be available to meet production schedules demanded by finished product due dates, and that a sufficient quantity be available to satisfy demand. Manufacturing also must be able to adjust these requirements quickly to react suitable and in time to forecast any customer order changes. In addition, there is a need to maintain inventories at an optimum level so as not to incur the costs of obsolescence, unneeded warehouse space, unnecessary inventory, insurance, and purchase charges. OS/360 Requirements Planning is designed to satisfy these requirements and needs. The system is capable of:

- o Determining net finished product requirements
- o Determining net component part requirements
- o Planning economic lot size or order quantities
- o Offsetting requirements by considering lead times
- o Maintaining and updating the requirements plan by processing changes to forecasts and orders (referred to as "requirements alterations")
- o Providing for review of planned orders at the end of each level; interrupt and adjustment of these planned orders; reentry (referred to as "planned order adjustment")
- o Providing for management review through detailed requirements reports and exception notices

The audience for this manual includes customer executives, systems analysts, and programmers. The manual contains information necessary for the potential user to determine applicability and to begin planning for implementation of the system.

Application Description Manual, 112 pages

GH20-0752

OS/360 INVENTORY CONTROL APPLICATION DESCRIPTION MANUAL
(5734-M52)

The IBM OS/360 Inventory Control program product consists

of a group of integrated programs and techniques designed for the selection and implementation of order point inventory control where it applies in manufacturing organizations.

The programs provide for (1) classification of inventory items for determining the type of control, (2) calculation of economic order quantities on the basis of usage information or future requirements, (3) computation of safety stock and order point, and (4) projection of demand on the basis of historical data.

This manual gives information for determining the applicability of the programs, and includes a general description of the programs, the machine configuration, general systems charts, sample reports, and a discussion of inventory control concepts applicable to the use of the programs. The audience for this manual includes customer executives, systems analysts, and programmers. Manual, 64 pages

GH20-0753

SYSTEM/360 SHOP FLOOR CONTROL APPLICATION DESCRIPTION MANUAL
PROGRAM NUMBER 5736-M31

The System/360 Shop Floor Control System is designed to provide substantial information about the status of orders moving through manufacturing facilities so that proper control can be maintained throughout the production cycle. To accomplish this, System/360 Shop Floor Control performs the following:

Determines when orders should be released
 Prepares exception notices when material for an order is not available

Creates files containing open order information
 Prepares data for output to shop and management personnel

Provides retrieval of pertinent files for the user to update upon receipt of information from the shop floor

Provides retrieval report capability pertaining to the status of orders in the shop
 Provides the priority calculation and preparation of a work list in priority sequence.

System/360 Shop Floor Control is designed to provide current information about production orders and facilities, thereby providing management the ability to exert the proper control over shop floor activity. This control is attainable by determining the orders to be released to the shop, creating and maintaining records pertaining to these orders, and quickly accessing report information.

This manual describes System/360 Shop Floor Control and provides information to enable the reader to determine applicability and to begin planning for the program product. The audience includes executives, systems analysts, and programmers.

Program Product Manual, 60 pages

GH20-0754

SYSTEM/360 SHOP FLOOR CONTROL DATA BASE MANUAL
PROGRAM NUMBER 5736-M31

This manual describes the data base records and fields that are used by the System/360 Shop Floor Control program product. The following records are included:

- Item master subordinate item master
- Product structure
- Work center master
- Standard routing
- Open order summary
- Open order detail

A separate section of this manual shows the other IBM application programs and program products that use the same following IBM programs are referenced:

- System/360 Bill of Material Processor
- System/360 Inventory Control
- System/360 Requirements Planning
- System/360 Capacity Planning
- System/360 Shop Floor Control

This publication is intended to assist the user's system personnel in the planning of data base requirements for program product System/360 Shop Floor Control.

Program Product Manual, 40 pages

GH20-0757

CONVERSATIONAL PROGRAMMING SYSTEM (CPS)
SYSTEM PROGRAMMER'S GUIDE

This publication provides information and descriptions of internal functions of the Conversation Programming System (CPS). Internal logic and flow is described as well as individual program module description. It is assumed that the users of this publication are thoroughly familiar with the externals of the Conversational Programming System.

Manual, 228 pages

GH20-0758

CONVERSATIONAL PROGRAMMING SYSTEM (CPS) TERMINAL USER'S
MANUAL - PROGRAM NUMBER 360D-03.4-016

The Conversational Programming System (CPS) is a time-sharing system which runs in a partition of the IBM System/360 Operating System MFT II or MVT. It gives remote terminal users an interactive problem solving facility using modified subsets of either the PL/I or BASIC languages. A

remote job entry facility is also provided.

This publication is a reference manual for the terminal user that contains descriptions of:

- o How to call the computer from a terminal
- o The CPS PL/I language
- o CPS PL/I built-in functions
- o Methods for program optimization
- o The remote job entry facility
- o Terminal error messages

The CPS BASIC language is not described in this manual. Manual, 276 pages

GH20-0759

CONVERSATIONAL PROGRAMMING SYSTEM (CPS)
INSTALLATION AND ADMINISTRATION MANUAL

This publication provides a description of the procedures necessary to tailor a Conversational Programming System (CPS) as distributed for a particular computer installation. It includes descriptions of necessary OS/360 support, the SYSTEM/360 hardware support, the CPS Generation procedure, additional data set support and general operating techniques. It also contains general information considered to be advantageous to computer installations using the Conversational Programming System (CPS). The reader is assumed to be thoroughly familiar with the external of the Conversational Programming System (CPS), as presented in the Terminal User's Manual. Manual, 100 pages

GH20-0761

POWER II/RJE: PROGRAM DESCRIPTION AND OPERATIONS MANUAL,
PROG. NO. 360D-05-2-006

IBM System/360 POWER II Remote Job Entry (POWER II/RJE) offers the ability to submit jobs via remote IBM 2770 Data Communication Systems and IBM 2780 Data Transmission Terminals for normal batch processing under DOS. This manual describes the general concepts and facilities of RJE. It includes operational and functional characteristics, installation procedures, and maintenance and performance guidelines. Knowledge of POWER II is a prerequisite to understanding POWER II/RJE (see the DOS POWER II Program Description and Operations Manual, GH20-0737). Manual, 150 pages

GH20-0763

FINANCIAL TERMINAL SYSTEM APPLICATION DESCRIPTION FTS/360
PROGRAM NUMBER 5736-F12

FTS is a System/360 DOS processing program designed to facilitate implementation of a fast response, telecommunications system. FTS acts as the controller of a BTAM partition, coordinating the DOS Multitasking Supervisor with a communications network.

The FTS user invokes FTS services and resources to assist his application-oriented processing through the medium of the DOS Assembler Language macro facilities. Application Description Manual, 51 pages

GH20-0764

SYSTEM/360 AGRIBUSINESS MANAGEMENT INFORMATION SYSTEM
APPLICATION DESCRIPTION MANUAL
PROGRAM NUMBER 5736-D51

The Agribusiness Management Information System (AMIS) provides a computer-oriented cost accounting system for farmers, ranchers, and growers. A distinguishing feature is the emphasis this system places on management accounting by cost center. At the same time, the system produces financial accounting records necessary for fiscal control. The system represents a significant step in organizing and presenting necessary for fiscal control. The system represents a significant step in organizing and presenting the information needed for sound management decisions.

This manual contains a general description of the system and the systems approach taken. It is intended to introduce the reader to the system and to serve as a guide for early planning.

Application Description Manual, 58 pages

GH20-0765

INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360
(SYSTEM DESCRIPTION) APPLICATION DESCRIPTION MANUAL
(VERSION 2) PROGRAM NUMBER 5734-XX6

The Information Management System/360 is an Operating System/360 processing program designed to facilitate the implementation of medium to large common data bases in a multiapplication environment. This environment is created to accommodate both online message processing and conventional batch processing, either separately or concurrently. The system permits the evolutionary expansion of data processing applications from a batch-only to a teleprocessing environment.

This manual includes a general description of the system and its various facilities and programs, listings of typical and minimum configurations, and sample applications.

Manual, 112 pages

SH20-0766

IBM SYSTEM/360 OS LEARN ADMINISTRATIVE TERMINAL SYSTEM
PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5734-XX8

This program is used to assist ATS/OS installations in teaching their terminal operators to use the System/360 Administrative Terminal System. It functions under ATS by incorporating additional and modified macros and application programs into the existing system.

This manual contains the instructions necessary for the installation and maintenance of LEARN ATS under ATS/OS. It contains information on the functions and commands of the program and may be used as a reference manual. Program Product Manual, 20 pages

SH20-0767

IBM SYSTEM/360 DOS LEARN ADMINISTRATIVE TERMINAL SYSTEM
PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5736-XX3

This program is used to assist ATS/DOS installations in teaching their terminal operators to use the System/360 Administrative Terminal System. It functions under ATS by incorporating additional and modified macros and application programs into the existing system.

This manual contains the instructions necessary for the installation and maintenance of LEARN ATS under ATS/DOS. It contains information on the functions and commands of the program and may be used as a reference manual. Program Product Manual, 20 pages

SH20-0768

IBM SYSTEM/360 LEARN ATS WORKBOOK
PROGRAM NUMBERS 5734-XX8, 5736-XX3

The workbook is intended as a complement to the LEARN ATS package. It introduces ATS and LEARN ATS to the student and guides her through the procedures required to sign on ATS and begin taking LEARN ATS, which consists of seven lessons aimed at providing the basics of ATS/360 operations from a terminal standpoint. Appendices contain illustrative material for the lessons.

Special Adhesive Binding, 8-1/2 x 11, 120 pages

SH20-0769

SHARED LABORATORY INFORMATION SYSTEM (SLIS)
LABORATORY MANUAL PROGRAM NUMBER 5736-H12

The IBM Shared Laboratory Information System (SLIS) provides data processing support for hospital clinical laboratories. Operating under the Shared Hospital Accounting System (SHAS) executive, the programs handle batched input of laboratory requisitions and test results, producing executive, the programs handle batched input of laboratory requisitions and test results, producing

The program design allows tailoring of formats and procedures to meet the separate needs of several hospitals sharing a common computer. Input and output of the system may optionally use the SHAS teleprocessing executive, allowing remote data entry and report production. The laboratory application programs complement the SHAS accounting application programs through the use of a common admission procedure and automatic charge generation.

This basic publication provides specific information for installation planning and operation of the Shared Laboratory Information System. Detailed discussions cover available system options and user options, preparation of master file data, preparation of daily input to the system, and interpretation of output from the system.

This document should be used as a reference guide by both user-hospital personnel and central operations personnel during the entire life of the system.

Discussions in this manual pertain to the Shared Hospital Accounting System (SHAS) and the Automated Chemistry Program (ACP). For more detail on these systems, refer to SHAS PROGRAM DESCRIPTION MANUAL, (GH20-0533), SHAS OPERATIONS MANUAL (GH20-0534), ACP APPLICATION DESCRIPTION MANUAL (GH20-0475), ACP PROGRAM DESCRIPTION MANUAL (GH20-0525), and ACP OPERATIONS MANUAL (GH20-0516). Manual, 152 pages

GH20-0771

SYSTEM/360 DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR
APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-XX4

The System/360 Data Base Organization and Maintenance Processor is a programming system designed to create, maintain, and reorganize the central data base in a multiapplication environment. It provides the framework for a computer-oriented information system. Primarily batch-oriented, the system operates under DOS/360.

This manual provides an overview of the system, specifies the functions, options, and features included in the system, and provides information necessary to begin planning for implementation. The content includes a description of the data structure facilities of the system, system flowcharts, a description of the programs in the system, machine configuration requirements, performance estimates, and user responsibilities for implementation. The manual is data processing-oriented with a variety of application examples. The primary audience is intended to be data processing executives, systems analysts, and programmers.

This program is a modified and extended version of the IBM System/360 Bill of Material Processor. Appendix A contains a discussion of this application. Appendix

B of this manual enumerates the improvements and conversion considerations.

Program Product Bulletin, 76 pages

GH20-0775

SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM APPLICATION DESCRIPTION MANUAL, PROGRAM NUMBER 5736-F32
This application program is designed to assist the securities industry by automating the active box section of the cashier's department using IBM 2260 display terminals for both inquiry and security move recording.

This manual is intended for the use of customers and IBM sales and systems engineering personnel. It gives a general description of the background, purpose, and intended market of the Active Certificate Information Program, followed by sections on processing operations, installation planning and requirements, and modes of operation. A glossary is appended.
Manual, 40 pages

SH20-0776

OS/360 INVENTORY CONTROL PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5734-M52

The OS/360 Inventory Control program product consists of a group of integrated programs and techniques designed for the implementation of order point inventory control where it applies in manufacturing organizations.

The programs provide for (1) analysis and classification of inventory items, (2) calculation of economic order quantities on the basis of usage information or future requirements, (3) computation of safety stock and order point, and (4) projection of demand on the basis of historical data.

This manual enables the user to understand the functions of, prepare for, and install the program product. Included are descriptions of the programs and the processing, definitions of input, output, and files; a discussion of the program options, program macros, and program input/output; and tables and formulas utilized within the programs. The audience for this manual includes systems analysts and programmers.
Program Description Manual, 191 pages

SH20-0777

OS/360 REQUIREMENTS PLANNING PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5734-M51

OS/360 Requirements Planning determines planned orders by time period for finished products, assemblies, subassemblies, parts, and raw materials based upon the input of orders and forecasts. OS/360 Requirements Planning consists of three components, the requirements generation program, the print exception program, and the chained file management system.

The chained file management system creates and maintains the direct access files, consisting of the item master, product structure, work center master, and routing files, used by a central manufacturing system. The chained file management system is required by, and is provided with, the OS/360 Requirements Planning program product.

This manual includes (1) discussions of system definition, (2) descriptions of all input/output files, (3) a detailed description of the requirements generation program, (4) a detailed description of the print exception program, (5) a detailed description of the chained file management system program modules, (6) a detailed description of customizing procedures to generate various chained file management system program modules, (7) a detailed description of customizing procedures to generate the requirements generation and print exception programs, and (8) information regarding the two sample problems.
Program Description Manual, 416 pages

SH20-0778

OS/360 INVENTORY CONTROL OPERATIONS MANUAL PROGRAM NUMBER 5734-M52

OS/360 Inventory Control consists of seven programs designed to assist in the implementation of order point inventory control in manufacturing organizations.

This manual contains information regarding preparatory and operating procedures for the programs. It includes a complete list of the messages that can be produced by the programs.
Program Product Manual, 36 pages

SH20-0780

SHARED LABORATORY INFORMATION SYSTEM (SLIS) 5736-B12 PROGRAM DESCRIPTION MANUAL

The IBM Shared Laboratory Information System (SLIS) provides data processing support for hospital clinical laboratories. Operating under the Shared Hospital Accounting System (SHAS) executive, the programs handle batched input of laboratory requisitions and test results, producing laboratory reports for use throughout the hospital.

The program design allows tailoring of formats and procedures to meet the separate needs of several hospitals sharing a common computer. Input and output of the system may use the SHAS teleprocessing executive, allowing remote data entry and report production. The laboratory application programs complement the SHAS accounting

application programs through the use of a common admission procedure and automatic charge generation.

This basic publication provides information on the Shared Laboratory Information System, enabling the user to understand the function of all SLIS programs as a guide for preparing to install SLIS. This document is written as a reference manual and not as a study text. For educational purposes this manual should be used in conjunction with the SLIS APPLICATION DESCRIPTION MANUAL (GH20-0709), the SLIS OPERATIONS MANUAL, and the SLIS LABORATORY MANUAL, SB20-0769.
Manual

SH20-0781

SHARED LABORATORY INFORMATION SYSTEM (SLIS) (5736-B12) OPERATIONS MANUAL

The IBM Shared Laboratory Information System (SLIS) provides data processing support for hospital clinical laboratories. Operating under the Shared Hospital Accounting System (SHAS) executive, the programs handle batched input of laboratory requisitions and test results, producing laboratory reports for use throughout the hospital.

The program design allows tailoring of formats and procedures to meet the separate needs of several hospitals sharing a common computer. Input and output of the system may optionally use the SHAS teleprocessing executive, allowing remote data entry and report production. The laboratory application programs complement the SHAS accounting application programs through the use of a common admission procedure and automatic charge generation.

This basic publication gives the specifications and necessary information for operating the SLIS programs. It includes a description of retrieving data from distributed machine-readable material and cataloging programs in the user's core image library. Use of this manual requires an operating knowledge of the IBM Disk Operating System (DOS) job control cards and operating procedures.
Manual, 136 pages

SH20-0782

OS/360 REQUIREMENTS PLANNING PROGRAM PRODUCT 5734-M51 OPERATIONS MANUAL

OS/360 Requirements Planning consists of three components: The requirements generation program, the print exception program, and the chained file management system.

OS/360 Requirements Planning offers a mechanized approach to detailed requirements planning. It uses item master and product structure files created and maintained by the chained file management system.

This manual contains information regarding preparatory and operating procedures for the programs. It includes a complete list of system messages that can be generated by the programs.
Operations Manual, 56 pages

GH20-0786

CALL/360-OS EXECUTIVE AND UTILITIES PROGRAM DESCRIPTION MANUAL (PROGRAM NUMBER 360A-CX-42X)

This publication describes the facilities provided by CALL/360-OS to installation personnel who are responsible for the selection, evaluation, and implementation of the systems engineers, installation programmers, marketing representatives, and customer systems personnel.

CALL/360-OS is a terminal-oriented, time-sharing system designed to function under the control of the IBM System/360 Operating System with either of two options: Multiprogramming with a Fixed Number of Tasks (MFT), or Multiprogramming with a Variable Number of Tasks (MVT). From the terminal user standpoint, the CALL/360-OS service environment approximates that of a dedicated, in-house, data processing installation.

Subjects discussed in this manual cover system concepts, executive and utility function, data base management, system installation, run-time options, and diagnostic aids. Error messages available to the user system are described in a separate manual: CALL/360-OS, OPERATOR'S MANUAL (GH20-0786).

Application Program Manual, 168 pages

GH20-0787

CALL-OS TERMINAL OPERATIONS MANUAL PROGRAM NUMBER 360A-CX-42X

This manual is addressed to the CALL-OS terminal user and discusses characteristics, operation, and maintenance of terminals supported by the CALL-OS time-sharing system. A functional overview of the CALL-OS terminal command language is followed by a detailed alphabetic presentation of all the commands. System messages are listed and explained. A complete index aids the reader in rapidly locating areas of interest.

Condensed programming information for handy reference covering terminal command facilities is given in the CALL-OS Terminal Command Language Reference Card (GX20-1830). The card summarizes pertinent information in this manual for handy reference while the user is signed on to CALL-OS.
Manual, 172 pages

GH20-0788

CALL/360-OS OPERATOR'S MANUAL, PROGRAM NUMBER 360A-CX-42X
This publication described the online operating procedures for the CALL/360-OS time-sharing system to computer center operator personnel responsible for day-to-day system operation. CALL/360-OS is a terminal oriented, time-shared system designed to function under the control of the IBM System/360 Operating System using either of the two available options: Multiprogramming with a Fixed Number of Tasks (MFT) or Multiprogramming with a variable Number of Tasks (MVT). Subjects discussed in this manual cover startup procedures and options, the Operator Command Language, shutdown and restart procedures, and runtime operating techniques. An entire section is devoted to a complete listing and explanation of all diagnostic messages available to the system user.
Bulletin Format, 3-hole punch, 8-1/2 x 11, 76 pages

GH20-0789

BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE) VERSION 2 APPLICATION DESCRIPTION - PROGRAM NUMBER 5736-F31
The Brokerage Accounting System Elements (BASE) program provides a comprehensive foundation for the back office data processing applications required by today's brokerage firms. The extensive series of application areas covered by BASE includes Purchase and Sale (P&S), Stock Record, Dividends, Bookkeeping, Interest, Customer Statements, and such critical cashier functions as Fails and Transfers.
The BASE system is general enough to permit various options and modifications to suit the individual requirements of a particular brokerage firm. However, the processing in the application areas is so extensive that most programs will require little or no modification by the typical brokerage firm. The integrity of the data as it flows through BASE is maintained by a series of balancing checks, tight control over the master files, and extensive input data editing before any transaction processing or file updating occurs.
Files containing pending items and master files are updated daily, producing over 75 reports encompassing the day's trade and related activity.
Manual, 40 pages

SH20-0790

SYSTEM/360 REQUIREMENTS PLANNING INTERFACE 5736-M13 PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5736-M13
The System/360 Requirements Planning Interface is a program product which, when added to System/360 Requirements Planning (360A-MF-05X), provides the ability to generate connection records. These connection records are required as input to System/360 Capacity Planning--Finite Loading (5736-M12). This manual includes information covering the functions and use of only this program product and must be used in conjunction with SYSTEM/360 REQUIREMENTS PLANNING, PROGRAM DESCRIPTION MANUAL (GH20-0584). It is intended for use by systems analysts, programmers, and operating personnel. The user is presumed to have studied the following manuals:
SYSTEM/360 REQUIREMENTS PLANNING, APPLICATION DESCRIPTION MANUAL (GH20-0487)
SYSTEM/360 REQUIREMENTS PLANNING, PROGRAM DESCRIPTION MANUAL (GH20-0584)
SYSTEM/360 CAPACITY PLANNING--FINITE LOADING, APPLICATION DESCRIPTION MANUAL (GH20-0627)
Program Description Manual, 426 pages

SH20-0791

SYSTEM/360 REQUIREMENTS PLANNING INTERFACE (5736-M13) OPERATIONS MANUAL
System/360 Requirements Planning Interface is a program product which, when added to System/360 Requirements Planning (360A-MF-05X) provides the ability to generate connection records. These connection records are required as input to System/360 Capacity Planning -- Finite Loading (5736-M12). This Manual contains information regarding preparatory and operating procedures for only this program product. It must be used in conjunction with SYSTEM/360 REQUIREMENTS PLANNING, OPERATIONS MANUAL (GH20-0583).
The information in this manual is intended for systems analysts, programmers, and operating personnel, who are presumed to have studied the following manuals:
SYSTEM/360 REQUIREMENTS PLANNING, APPLICATION DESCRIPTION MANUAL (GH20-0487)
SYSTEM/360 REQUIREMENTS PLANNING, PROGRAM DESCRIPTION MANUAL (GH20-0584)
SYSTEM/360 REQUIREMENTS PLANNING, OPERATIONS MANUAL (GH20-0583)
SYSTEM/360 CAPACITY PLANNING -- FINITE LOADING, APPLICATION DESCRIPTION MANUAL (GH20-0627)
SYSTEM/360 REQUIREMENTS PLANNING INTERFACE, PROGRAM DESCRIPTION MANUAL (SH20-0790)
Manual, 16 pages

SH20-0792

TARIFF PUBLISHING SYSTEM (BOUND TARIFFS) FORMAT AND STANDARD CODES MANUAL PROGRAM NUMBER 5736-T21
This manual contains information relating to the concepts, outputs, and processing functions provided by the Tariff

Publishing System. It provides complete description of the system features including, formatting, editing, error correction, and maintenance controls.

Prerequisite information is contained in these publications:

1. Tariff Publishing System - Data Preparation Manual (SH20-0798)
2. Tariff Publishing System Program Description/Operations Manual (SH20-0812)

It is assumed that the reader of this manual is familiar with the information concerning formats and processing contained in these two publications.
Standard Codes Manual, 140 pages

SH20-0795

SYSTEM/360 CAPACITY PLANNING OPERATIONS MANUAL PROGRAM PRODUCT 5736-M11, PROGRAM PRODUCT 5736-M12
System/360 Capacity Planning consists of programs designed to assist in the implementation of work center loading in manufacturing organizations.
This manual illustrates the control cards for functions that are recommended at various points in the procedure. It also contains a complete list of the console messages generated by System/360 Capacity Planning, as well as information on restart and reentry procedures and program halts requiring operator action.
Manual, 48 pages

SH20-0796

SYSTEM/360 CAPACITY PLANNING - INFINITE LOADING SYSTEM/360 CAPACITY PLANNING - FINITE LOADING PROGRAM DESCRIPTION MANUAL PROGRAM NUMBERS 5736-M11, 5736-M12
This manual includes:
- Customizing procedure for generating the System/360 Capacity Planning programs
- Functional description of all programs.
- Description of all I/O files
- Explanation and operating instructions for the sample problem
Program Product Bulletin, 208 pages

SH20-0798

TARIFF PUBLISHING SYSTEM (BOUND TARIFFS) DATA PREPARATION MANUAL 5736-T21
This manual provides detailed information on the use of IBM 1050 TARIFF ENTRY SYSTEM. It is intended as a reference manual for all persons concerned with preparing tariff and profile entries and implementing all the functions of the system.
It contains sections on input specification format and code definitions and sample presentations for each.
Program Product Manual, Data Preparation Manual, 98 pages

GH20-0802

CONTROL PROGRAM-67 / CAMBRIDGE MONITOR SYSTEM (CP-67/CMS) SYSTEM DESCRIPTION MANUAL - PROGRAM NUMBER 360D-05.2.005
This manual provides an overview of the features available in the Control Program-67/Cambridge Monitor System (CP-67/CMS), a multi-access system which manages the resources of a System/360 Model 67 so that remote users appear to have a dedicated System/360 at their disposal. Within this 'virtual machine' the user may select the operating system of his choice, subject to certain restrictions noted in this manual. The Control Program (CP-67) component creates the time sharing environment in which many 'virtual 360's' (users) can simultaneously access the system. The Cambridge Monitor System (CMS) component is a conversational operating system, used from a virtual machine, which provides a comprehensive, easy-to-use set of programs (commands) which give the CMS user a wide variety of functions, including the ability to create additional commands or subsystems to satisfy his special requirements.
Manual, 8 1/2 x 11, self-cover, 3 hole punch, 44 page

SH20-0803

CONSUMER GOODS SYSTEM (COGS) FORECASTING (DOS) (OS) OPERATIONS MANUAL, PROGRAM NUMBERS DOS 5736-D32, OS 5734-D33
This manual provides the user with the information necessary to:
o Prepare to use the program
o Operate the program
o Retrieve and generate the program from the distribution tape
o Retrieve and run the sample problem
This manual is intended for operating personnel, systems analysts, and programmers.
Operations Manual, 49 pages

SH20-0804

SYSTEM/360 CONSUMER GOODS SYSTEM (COGS) FORECASTING PROGRAM DESCRIPTION MANUAL (PROGRAM NUMBER 5736-D32)
The system embodies a statistical forecasting technique that should be useful to firms in the food, pharmaceutical, soap, and cosmetic industries as well as other industries

having seasonal selling patterns.

The objective of this manual is to provide the user with the information necessary to thoroughly understand the concepts and functions of COGS-Forecasting. Major topics covered in this manual are forecasting model selection and system implementation. After reading this manual, the user should be able to:

1. Understand the basic concepts of statistical forecasting and adaptive smoothing
2. Select an appropriate forecasting model and its associated monitoring parameters
3. Utilize the forecasting system as an integral part of a comprehensive inventory control system

The audience for this manual includes operations research personnel, systems analysts, and programmers. This manual should be used in conjunction with the COGS - FORECASTING, APPLICATION DESCRIPTION MANUAL (GH20-0722) and the COGS - FORECASTING, OPERATIONS MANUAL (SH20-0803).
Program Product, program description manual, 52 pages

SH20-0805

MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) PROGRAM 5736-H11 OPERATIONS MANUAL

The Medical Information Systems Program contains general executive modules, utilities, and user interfaces that provide the framework for a teleprocessing system using the Disk Operating System/360.

This manual describes the procedures necessary for initial preparation and generation of the MISP programs, tables, and data sets; inclusion of the user application processing programs; initial loading of the user data sets under MISP; operating procedures for the central system; and operation of the terminal devices that are part of a teleprocessing system running under MISP.
Manual, 216 pages

GH20-0806

MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) VERSION 2 APPLICATION DESCRIPTION MANUAL, PROGRAM NUMBER 5736-H11

The Medical Information Systems Program (MISP) represents an application of information processing equipment to the development of information systems. MISP is designed to assist in the installation of a teleprocessing system with special facilities that make it particularly useful in a hospital and medical environment (hospital information system), linking the many different service areas in a hospital, where complete and prompt patient care is a requirement.

This manual describes in general the purpose and functions of MISP and its use in the implementation of a hospital information system.
Manual, 56 pages

SH20-0807

MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) VERSION 2: INSTALLATION AID MANUAL, PROG. NO. 5736-H11

This manual includes various topics to aid the user in the installation of MISP. It is intended as a supplement to the MISP OPERATIONS MANUAL, (SH20-0805).
Manual, 56 pages

SH20-0808

MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) 5736-H11 PROGRAM DESCRIPTION MANUAL

This manual contains detailed descriptions of the programs in MISP. The data sets and control blocks used by MISP programs are also described.
Manual, 188 pages

SH20-0809

MEDICAL INFORMATION SYSTEM PROGRAM (MISP) 5736-H11 PROGRAMMER'S MANUAL

The purpose of this manual is to describe how to use the Medical Information Systems Program and facilities. A description of each interface to the executive program, each library routine, system symbols, and parameters for system definition are included. In addition, a series of steps is outlined for guidance in construction of application programs using the MISP facilities.
Manual, 192 pages

GH20-0810

IBM SYSTEM/360 FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL - LOW CORE (FASTER LC) APPLICATION DESCRIPTION - PROGRAM NUMBER 5736-G22

FASTER LC is a teleprocessing monitor for development and implementation of terminal-oriented systems. Terminal supported are 1050, 2740-I, 2260 Remote and 2260 Local. The FASTER LC system incorporates the capabilities to install inquiry, update, message routing and data entry applications. The system employs a set of macro-instructions which generate the line control, interface and message processing functions thereby eliminating the need for detailed knowledge of terminal communications control or BTAM. The FASTER LC system is adaptable to a wide variety of applications. The system is designed to operate in a minimum 32K partition of a Model 2025 ED or larger System/360.

The principal features are described, along with a discussion of the system design. Planning information is provided to assist in determining the applicability of FASTER LC to any particular operational environment.
Manual, 48 pages

SH20-0811

TRAFFIC PROFILE ANALYSIS SYSTEM 5736-T22, PROGRAM DESCRIPTION AND OPERATION MANUAL

The Traffic Profile Analysis System processes the magnetic tape tariffs produced by the Tariff Publishing System. Shippers and carriers may use the Traffic Profile Analysis System for computerized analysis of tariffs. Program facilities are provided to select tariff matter based on an interest profile.

This manual provides the information necessary to understand the functions of the Traffic Profile Analysis System. Included is the general description of the programs, input/output description, processing description, timing information, programming systems and machine configuration, and a sample program.

The Traffic Profile Analysis System is written in Assembler Language and operates under the IBM System/360 Disk Operating System. The Tariff Publishing System is a prerequisite for the use of the Traffic Profile Analysis System.

The audience for this manual includes system analysis, programmers and operating personnel.
Manual, 88 pages
Manual

SH20-0812

TARIFF PUBLISHING SYSTEM (BOUND TARIFFS) PROGRAM DESCRIPTION AND OPERATIONS MANUAL PROGRAM NUMBER 5736-T21

The Tariff Publishing System is a computer program designed to assist the tariff publishing agent in supplementing, reissuing, and distributing bound tariffs. The principal outputs of the system are camera-ready tariff material for reproduction and magnetic tapes for computerized analysis of the tariffs.

This manual provides the information necessary to understand the functions of the Tariff Publishing System. Included are a general description of the programs, input/output description, processing description, timing information, programming systems and machine configuration, and a sample problem.

The Tariff Publishing System is written in Assembler Language and operates under the IBM System/360 Disk Operating System. The Tariff Publishing System is a prerequisite for the use of the Traffic Profile Analysis System.

The audience for this manual includes system analysts, programmers and operating personnel.
Program Product Manual, 72 pages

GH20-0813

CFO AUTOCODER TO ASSEMBLER LANGUAGE INSTRUCTION SET TRANSLATOR (CATALIST) APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-XX2

The IBM CFO Autocoder to Assembler Language Instruction Set Translator (CATALIST) is a program designed to be used as a conversion aid for the transition from the IBM '62 CFO 1401 Autocoder programs to the IBM System/360. CATALIST attempts to greatly diminish the work associated with the most important transition process - the job of producing System/360 versions of existing 1401 programs. A single execution of the program translates a 1401 Autocoder source program into its System/360 Assembler Language equivalent.

This manual describes the IBM CFO Autocoder to Assembler Language Instruction Set Translator. Knowledge of DOS/360, 1401 Autocoder, and System/360 Assembler Language will assist the reader in understanding the contents.
Program Product Manual, 16 pages

SH20-0814

CFO AUTOCODER TO ASSEMBLER LANGUAGE INSTRUCTION SET TRANSLATOR (CATALIST) PROGRAM DESCRIPTION AND OPERATIONS MANUAL PROGRAM NUMBER 5736-XX2

This manual contains information relating to the concepts, inputs, outputs, and processing methods used in the IBM CFO Autocoder to Assembler Language Instruction Set Translator (CATALIST). The manual provides the reader with (1) the information required to understand how CATALIST performs translation, (2) the information required to understand and respond to translation diagnostics, and (3) operating information required to set up and execute the CATALIST program.

Knowledge of DOS/360, 1401 Autocoder, and System/360 Assembler Language is required for complete understanding of the contents of this manual, whose audience includes systems analysts, programming personnel, and operating personnel.
Program Product Manual, 64 pages

SH20-0815

MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) VERSION TWO - APPLICATION FILE DESCRIPTION MANUAL PROGRAM NUMBER 5736-H11

This manual describes suggested data set designs for

hospital application areas. In some cases, the organization of the data set may represent the fields and sequence in actual use, but the user is given the flexibility to create his own design as he chooses with the contents of this manual as guidance.
Manual, 120 pages

SH20-0820

CONSUMER GOODS SYSTEM (COGS) ALLOCATION (DOS) (OS) OPERATIONS MANUAL, PROGRAM NUMBERS DOS-5736-D31, OS-5734-D32
This manual provides the user with information necessary to:

- o Prepare to use the program
- o Operate the program
- o Retrieve and generate the program from the distribution tape
- o Retrieve and run the sample problem

This manual is intended for operating personnel, system analysts, and programmers.
Operations Manual, 31 pages

SH20-0821

CONSUMER GOODS SYSTEM (COGS) ALLOCATION (DOS) (OS) PROGRAM DESCRIPTION, PROGRAM NUMBERS DOS 5736-D31, OS 5734-D32
This system is designed to provide control of highly seasonal inventory items. The user specifies parameters and constraints and the system uses variable time interval allocation to generate recommended item order quantities. The system has the additional facility of analyzing when shipment or production is required.
The main objective of the system is to provide item order quantities which are dependent upon time, item, and group constraints. They have no direct interrelationship. The primary advantages of the system are highly flexible allocation alternatives and variations, visual representation of stock status by specifying an allocation alternative with system simulation, and relative ease of installation.
The system can be used in conjunction with a forecasting system to give precise control information and item inventory status records which contain estimates of future demand. Output from the system includes time to order analysis and order quantities.
Program Description Manual, 84 pages

GH20-0824

INTRODUCTION TO THE REAL-TIME MONITOR
The Real-Time Monitor (RTM) is an OS coresident program that provides fast interrupt response for real-time, event-driven systems. Normal OS jobs continue to run in background mode while the monitor services real-time interrupts and schedules real-time jobs in priority mode. In addition, multiprogramming capability and OS facilities are provided for the real-time jobs. This manual presents the general design concepts of RTM and an overview of those capabilities that enable the user to concurrently run real-time and batch jobs. It is assumed that the reader is familiar with standard OS terminology.
Application Bulletin, 20 pages

GH20-0825

GENERAL PURPOSE SIMULATION SYSTEM V (OS) APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5734-XS2
This manual discusses the role of the General Purpose Simulation System (GPSS) in system simulation and is designed to help the reader determine its applicability. The manual also discusses the need for simulation, describes the scope and features of General Purpose Simulation System V, and gives some examples. It is addressed to customer executives and others responsible for evaluating new systems.
Bulletin, 20 pages

GH20-0826

GENERAL PURPOSE SIMULATION SYSTEM V (DOS) APPLICATION DESCRIPTION MANUAL, PROGRAM NUMBER 5736-XS3
This manual discusses the role of the General Purpose Simulation System (GPSS) in system simulation and is designed to help the reader determine its applicability. The manual also discusses the need for simulation, describes the scope and features of General Purpose Simulation System V, and gives some examples. It is addressed to customer executives and others responsible for evaluating new systems.
Program Product Bulletin, 20 pages

SH20-0827

SYSTEM/360 SHOP FLOOR CONTROL 5736-M31 OPERATOR'S MANUAL
System/360 Shop Floor Control consists of planned order release, open order file maintenance, general information retrieval, and work list preparation, each of which contains one or more programs. This program product is designed to assist in the implementation of a shop floor control application in manufacturing organizations.
This manual contains information regarding preparatory and operating procedures for the programs. It includes a complete list of the error messages that can be produced

by the programs. The audience for this manual includes customer operating personnel, systems analysts, and programmers. The prerequisite for the use of this manual is a knowledge of System/360 Disk Operating System and the Bill of Material Processor.
Manual, 44 pages

SH20-0828

SHOP FLOOR CONTROL, PROGRAM NUMBERS 5736-M31 (DOS), 5734-M31 (OS) - PROGRAM DESCRIPTION MANUAL
Shop Floor Control is a group of programs designed to provide current information about a manufacturing facility and to assist management in effectively controlling production. The programs provide for the release of orders to the manufacturing facility, the creation and maintenance of records pertaining to the orders, retrieval of orders, report capability on the status of the orders, and the preparation and printing of a work list for shop supervisory personnel.
This manual describes Shop Floor Control and provides information to enable the reader to install the program product. The audience includes system analysts, programmers, and certain operating personnel.
This manual includes (1) customizing procedures for generating the Shop Floor Control programs, (2) a functional description of each program, (3) a description of all input/output files, and (4) an explanation of, and operating instructions for, the sample problem.
Program Product Manual

SH20-0829

SYSTEM/360 DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR 5736-XX4 PROGRAM DESCRIPTION MANUAL
The System/360 Data Base Organization and Maintenance Processor is a programming system designed to create, maintain, and reorganize the central data base in a multiapplication environment. It provides the framework for a computer-oriented information system. Primarily batch-oriented, the system operates under DOS/360.
This manual provides an overview of the system, specifies the functions, options, and features included in the system, and provides information necessary for implementation. The manual is data processing-oriented with a variety of application examples. The primary audience includes systems analysts and programmers.
This manual includes (1) a brief discussion of the system, (2) an implementation checklist, (3) descriptions of all I/O files, (4) an explanation of, and the operating instructions for, the sample problem, (5) descriptions of all the file organization and maintenance programs and instructions for their modification, and (6) descriptions and logic diagrams for selected user retrieval programs.
This program is a modified and extended version of the System/360 Bill of Material Processor. An appendix contains directions for conversion from System/360 Bill of Material Processor (360A-ME-06X).
Manual, 584 pages

SH20-0830

SYSTEM/360 DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR 5736-XX4 OPERATIONS MANUAL
The System/360 Data Base Organization and Maintenance Processor is a programming system designed to create, maintain, and reorganize the central data base in a multiapplication environment. It provides the framework for a computer-oriented, the system operates under DOS/360.
This operations manual contains operating information for the creation, maintenance, and reorganization of the central data files. The primary audience includes operators, systems analysts, and programmers.
The items covered in this manual are:

1. Master File Creation and Maintenance Modules
2. Chain File Creation and Maintenance Modules
3. Data Base Organization and Maintenance Processor Input/Output Modules to be use with user-prepared retrieval programs
4. File Reorganization Modules
5. A set of four Data Base Organization and Maintenance Processor utility programs
6. Operator console messages

Manual, 72 pages

GH20-0832

SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM WITH DOS (RAX-DOS) PROGRAMMING RPQ: APPLICATION DESCRIPTION, PROG. NO. 5799-AA
This program RPQ is designed to allow Remote Access Computing System (RAX) to operate concurrently with Disk Operating System (DOS) in the background on a standard System/360 processor. It enables an installation with a single System/360 processor to provide the time-sharing, terminal operating capabilities of RAX with a minimum impact on DOS operations.
This publication contains a description of the system, the equipment requirements, RAX system capabilities, the elements of the RAX Terminal Command Language, and a discussion of the RAX system operation. For description of DOS, see IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEM, CONCEPTS AND FACILITIES (GC24-5030).
Application Description Manual, 32 pages

SH20-0833

SYSTEM/360 TEXT PROCESSOR - PAGINATION/360
PROGRAM DESCRIPTION VOLUME 1
PROGRAM NUMBER 5736-K12

This publication is divided into three volumes:

Volume 1 contains general functional and processing descriptions of PAGINATION/360, system requirements, and performance; and detailed functional, operating, and processing descriptions of PAGINATION/360 and its associated utility programs. A glossary is included.

Volume 2 contains detailed descriptions of the various command languages, tables, and files that are used by PAGINATION/360.

Volume 3 contains the information required by a user to write the input and output modules necessary to interface with PAGINATION/360.

A detailed knowledge of IBM Disk Operating System operating procedures is a prerequisite for using this publication.

Program Product Publication, 276 pages

SH20-0834

SYSTEM/360 TEXT PROCESSOR - PAGINATION/360
PROGRAM DESCRIPTION VOLUME 2 - PROGRAM NUMBER 5736-K12
 This manual contains detailed descriptions of the various command languages, tables, and files that are used by PAGINATION/360. It is designed to give the user a complete picture of the detailed use of these features.

Volume 2 contains the following information:

1. CONTROL LANGUAGES - detailed descriptions of the hot type and photocomposition languages.
2. PAGE MAKEUP LANGUAGE - a detailed description of each page makeup command.
3. PAGE LAYOUT SPECIFICATIONS - a general discussion of page layout specifications and a detailed description of the Page Format Files.
4. PAGE STYLE DESCRIPTORS - a detailed description of the Page Style Descriptor Files.
5. Graphic Descriptors - a detailed description of the Graphic Descriptor Files.
6. GRAPHIC ARRANGEMENT TABLE - a detailed description of the Graphic Arrangement Tables.
7. FILES - a detailed description of all records and files in the PAGINATION/360 system.

Program Product Publication, 300 pages

SH20-0835

SYSTEM/360 TEXT PROCESSOR-PAGINATION/360: PROGRAM
DESCRIPTION VOLUME 3, PROG. NO. 5736-K12

This volume contains the details necessary for a user to write I/O modules. A general discussion of I/O module requirements is followed by the details concerning input programming and output programming. An appendix comprising all files read or written by the user's I/O module is included.

Program Product Publication, 144 pages

SH20-0836

SYSTEM/360 TEXT PROCESSOR - PAGINATION/360
OPERATIONS MANUAL PROGRAM NUMBER 5736-K12

This publication contains system requirements, preparatory system procedures, a sample problem, and PAGINATION/360 operating procedures. Utility program operating procedures are included in Volume 1 of the Program Description Manual. A detailed knowledge of DOS operating procedures is a prerequisite for using this publication.

Program Product Publication, 40 pages

SH20-0837

SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM WITH DISK
OPERATING SYSTEM (RAX-DOS) PROGRAM DESCRIPTION MANUAL
PROGRAM NUMBER 5799-AAA

This publication provides the information necessary to use the IBM System/360 Remote Access Computing System with Disk Operating System (RAX-DOS). It contains a description of the RAX-DOS systems concept, a discussion of the RAX program functions, the equipment requirements, the RAX Terminal Command Language and a description of RAX terminal operating procedures. For description of DOS, see the following publications:

IBM System/360 Disk Operating System, System Control and System Service Programs (GC24-5036).

IBM System/360 Disk Operating System, Data Management Concepts (GC24-3427)

Programming RPQ, 96 pages

GH20-0838

INTRODUCTION TO DATA/360 - DOS
PROGRAM NUMBER 5736-XS2

DATA/360 - DOS is a data entry program written in Assembler

Language to operate under the Disk Operating System (DOS). Its purpose is to provide a method of entering data by means of local IBM 2260 Display Stations to IBM 2311 Disk Storage Drives or IBM 2314 Direct Access Storage Facilities and of verifying this data to produce input to a user's program, bypassing all peripheral equipment operations. Anticipated users are those currently using card equipment, magnetic tape recording and/or paper tape recording equipment.

The purpose of this publication is to present the inherent functions and capabilities of DATA/360 - DOS.

The elaborated program description and the comprehensive input/output descriptions are the major items covered in this publication.

Program Product, 24 pages

GH20-0841

DISPLAY MANAGEMENT SYSTEM APPLICATION DESCRIPTION
PROGRAM NUMBER 5734-XC1

An interactive data processing system is one in which decision-making rests in the hands of qualified individuals who communicate directly with the computer by means of online devices such as the IBM 2260/65 Display Station. The Display Management System (DMS) is a series of application modules, operating under a supervisor, which greatly simplify the complexities of implementing interactive data processing operations that feature the 2260/65 Display Station. The data entry, update, and inquiry capabilities offered by DMS make it possible to implement many new or existing applications in the interactive environment without user programming. With three forms provided by DMS, the user implements his own applications on a customized basis by describing his data files, designing 2260/65 Display Station images (panels) in the language of his own application, and describing the utility functions that are required. An online work order system, such as might be used in a plant maintenance application, is used throughout as an example of the type of application easily implemented under DMS.

This manual provides an overview of the application area and describes the functions performed by the system. Customer responsibilities, performance specifications, programming system requirements, and minimum machine configuration are also included.

Manual, 48 pages

SH20-0843

SYSTEM/360 REMOTE ACCESS COMPUTING WITH DISK OPERATING
SYSTEM (RAX-DOS) OPERATIONS MANUAL
PROGRAM NUMBER 5799-AAA

This publication provides the System/360 machine operator with detailed instructions for starting, running, and stopping the Remote Access Computing System with Disk Operating System (RAX-DOS). It includes machine requirements, descriptions of RAX online messages and their meanings, and RAX restart procedures. This manual also includes the procedures required for RAX system generation and RAX system generation and RAX library maintenance.

For descriptions of operating and system generation procedures on DOS, see the following publications:

IBM SYSTEM/360 DISK OPERATING SYSTEM, OPERATING GUIDE (GC24-5022)

IBM SYSTEM/360 DISK OPERATING SYSTEM, SYSTEM

GENERATION AND MAINTENANCE (GC24-5033)

Operations Manual, 40 pages

GH20-0844

MANAGEMENT INFORMATION SYSTEM FOR PUBLIC UTILITIES
WITH THE IBM SYSTEM/370

This bulletin explains a system to provide assistance in the formulation and execution of plans in all areas and at all levels of public utility management through the use of management techniques and timely feedback of exception and status reports from previous plans.

DP Application Bulletin, 8 pages

SH20-0846

SYSTEM/360 AGRIBUSINESS MANAGEMENT INFORMATION SYSTEM
PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5736-D51

This manual contains information relating to the concepts, options, inputs, outputs, and processing methods used in the Agribusiness Management Information System (AMIS). This manual provides the reader with (1) a general introduction to AMIS options and processing, (2) specific information on using the system, and (3) considerations for implementing and installing the system.

Program Description Manual, 363 pages

SH20-0847

SYSTEM/360 AGRIBUSINESS MANAGEMENT INFORMATION SYSTEM
OPERATIONS MANUAL PROGRAM NUMBER 5736-D51

This manual presents the information required to set up the Agribusiness Management Information System (AMIS) and to execute the AMIS programs. The system operates under the IBM System/360 Disk Operating System (DOS). The AMIS programs are presented in the suggested running sequence. The information applicable to each program is presented in a separate section.

This manual is directed to those persons charged with

running the system.
Operations Manual, 122 pages

GH20-0849

INTRODUCTION TO MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) - PROGRAM PRODUCT MANUAL - PROGRAM NUMBER 5734-XM4
The Mathematical Programming System - Extended (MPSX) is an IBM Program Product that provides expanded capabilities over the predecessor Mathematical Programming System (MPS/360). The optional Mixed Integer Programming (MIP) feature of MPSX provides the ability to solve mixed integer linear programming problems. The optional Generalized Upper Bounding (GUB) feature of MPSX provides the ability to solve large, specially structured linear programming problems in a particularly efficient manner.

A typical mathematical programming application might include building a mathematical model, finding an optimal solution, determining the effect of changing key data on the optimal solution, computing alternate solutions by systematically varying cost or requirement data, and preparing a management report. Application areas include material allocation, ingredient blending, production planning, investment, capital budgeting, plant/warehouse location, machine loading, work force allocation, production/distribution models, and other optimization areas.

This manual is an overview of the capabilities of MPSX and its optional features, MIP and GUB. Minimum machine configuration, problem capacity and timing considerations are discussed.
Manual, 36 pages

GH20-0850

APL/360 - OS (5734-XM6) AND APL/360 - DOS (5736-XM6) GENERAL INFORMATION MANUAL

This publication provides a general introduction to the use, operation, and installation of APL/360. APL/360 is a conversational time-shared terminal system utilizing APL (A Programming Language), a concise notation which makes use of well known mathematical symbols, plus a number of symbols that are used for designating other simple and powerful functions. Because APL is closely related to mathematical notation, and its functions operate on sets of information as well as individual data items, the user can write effectively in this language with a minimum of instruction.

APL/360 is designed to operate under either (a) the IBM System/360 Operating System (OS/360), Multiprogramming with a Fixed Number of Tasks (MFT with subtasking) or Multiprogramming with a Variable Number of Tasks (MVT) or (b) the IBM System/360 Disk Operating System (DOS/360).

The manual is in three parts:
Part I describes APL/360 as viewed by a user at a typewriter-like terminal. The statements and commands used to describe the operations to be performed by the APL/360 System are summarized.
Part II describes APL/360 as viewed from the central data processing system location. The system features which facilitate the management and operation of an APL/360 System are summarized.

Part III describes the items to be considered in planning for the installation of an APL/360 System. Minimum machine requirements and storage requirements are provided.
Manual, 65 pages

SH20-0851

GENERAL PURPOSE SIMULATION SYSTEM V USER'S MANUAL, PROG. NOS. 5734-XS2 (OS) AND 5736-XS3 (DOS)

This publication is an extension and amplification of the manual entitled GENERAL PURPOSE SIMULATION SYSTEM V INTRODUCTORY USER'S MANUAL. It provides a detailed description and explanation of the component parts and operation of the GPSS program. Examples illustrating the uses of GPSS entities and the coding of GPSS statements are given in appropriate sections. This manual should enable those involved in simulation projects to construct models using the full capabilities of GPSS.
Program Product Manual, 436 pages

GH20-0852

INTRODUCTION TO MINIPERT PROGRAM NUMBER 5734-XP3

MINIPERT is a conversational, interactive, critical path IBM Program Product that operates under an APL/360 system configuration. The program provides PERT-type information for planning, scheduling or controlling any project by using terminals as the input/output device. It operates on any IBM system 360/OS or DOS system where the program product APL/360-OS (5734-XM1) or APL/360-DOS (5736-XM1) is installed.

MINIPERT places the well established project control technique of PERT in an interactive environment, thus overcoming the traditional turnaround problem experienced in a batched environment. This publication summarizes the highlights of the MINIPERT program.
Manual, 24 pages

GH20-0853

DATA/360-OS: GENERAL INFORMATION MANUAL, PROG. NO. 5734-XS3

DATA/360-OS is a data entry system written in Assembler Language to operate under the System/360 Operating System MFT or MVT (OS). Its purpose is to provide a method of entering data by means of local IBM 2260 Display Stations to IBM 2311, 2314, or 3330 direct access storage and of verifying this data to produce input to a user's program, bypassing all peripheral equipment operations. Anticipated users are those currently using card equipment, magnetic tape recording and/or paper tape recording equipment.

The purpose of this publication is to present the inherent functions and capabilities of DATA/360-OS.

The elaborated program description and the comprehensive input/output descriptions are the major items covered in this publication.

General Information Manual, 28 pages

GH20-0854

PROCEDURE LIBRARY-MATHEMATICS (PL-MATH) GENERAL INFORMATION MANUAL, PROGRAM NUMBER 5734-XM3

The Procedure Library-Mathematics program (PL-MATH) is a collection of mathematical procedures written in the PL/I language. It consists of input/output-free computational building blocks, written completely in PL/I, which may be combined with a user's input, or computational routines as needed. The procedures in this library may be applied to the solution of many problems in industry, science, and engineering.

This manual presents an introduction to PL-MATH, a list of the capabilities of the library, rules of usage, machine configuration, programming systems, and a list of reference material.

General Information Manual, 20 pages

GH20-0855

INTRODUCTION TO PROJECT MANAGEMENT SYSTEM IV (PMSIV), PROGRAM PRODUCT MANUAL - PROGRAM NUMBER 5734-XP4

PMS/IV is a highly modular set of computer program routines, each performing one function common to many management applications. It is open-ended - that is, the number of functions under PMS/IV can be expanded and added to. It is versatile - that is, the user can control program logic without resorting to reprogramming. Output reports can be defined with a single set of procedural statements and can be revised with every computer run if required. The computer code itself is written in a way that simplifies modification, if this ever becomes necessary. At present, PMS/IV contains the following four modules:

Network Processor
Resource Allocation Processor, and
a versatile Report Processor
Cost Processor

In suitable combinations these processors will accomplish the data processing required in critical path analysis, PERT, PERT Cost, and resource allocation.
Manual, 48 pages

GH20-0856

CP-67/CMS VERSION 3.1: CP-67 OPERATOR'S GUIDE, PROG. NO. 360D-05.2.005

CP-67 is a multiaccess system which allows multiple System/360 operating systems to run under it concurrently in a time-shared mode. These operating systems run in the same manner as they do on a dedicated System/360 computer. Some systems that have run under CP-67 are CMS, CMS Batch, CS, DOS, APL 360, RAX and CP-67.

This publication is intended to present to the operations staff responsible for the operation of CP-67, the facilities and responsibilities of the systems operator and administrator. It is divided into two basic parts: (1) the operator's guide, including instructions for system startup, shutdown, and emergency recovery procedures, and (2) instructions on the utilities included with the system, including device-formatting, allocation, and user definition.

Type III Program Manual, Class A, 72 pages

GH20-0857

CP-67/CMS VERSION 3.1: INSTALLATION GUIDE, PROG. NO. 360D-05.2.005

The purpose of this document is to provide the installation with instructions on creating a runnable CP-67/CMS system tailored to his configuration. There are also considerations for tuning the system as well as maintaining both CP-67 and CMS.

This manual should be read in its entirety before installing the system, as procedures have changed.
Type III Program Manual, Class A, 56 pages

GH20-0858

CONTROL PROGRAM - 67/CAMBRIDGE MONITOR SYSTEM (CP-67/CMS) HARDWARE MAINTAINABILITY GUIDE PROGRAM NUMBER 360D-05.2.005

The CP-67/CMS Hardware Maintainability Guide explains how to run Customer Engineer Diagnostics under CP-67, and describes the error-recording facility in CP-67. Topics discussed under diagnostics include limitations under CP-67, as well

as conventions and instructions for running diagnostics under CP-67.

Sample terminal sessions for running DMA8 and FRIEND are included.

Topics covered under CP-67 Error-Recording Facility are the CP-67 error-recording mechanism, conditions and devices involved in recording, and instructions for retrieval of I/O error, channel check, and machine-check information. Type III, Class A, 48 pages

GH20-0859

CP-67/CMS VERSION 3.1: USER'S GUIDE, PROG. NO. 360D-05.2.005
CP-67/CMS is a general purpose time-sharing system developed for the IBM 360. This guide describes the facilities of CP-67/CMS and provides detailed information about the user commands available and their usage.
Type III Program, Class A, 614 pages

GH20-0860

CONTROL PROGRAM - 67/CAMBRIDGE MONITOR SYSTEM (CP-67/CMS) VERSION 3 CMS SCRIPT USER'S MANUAL
This manual introduces you to the Script manuscript facility that operates under the Control Program-67/Cambridge Monitor System (CP-67/CMS). Script enables you to type in a manuscript, correct it, examine your corrections, and print it out - all at a typewriter terminal - with spacing performed automatically by the system. The spacing feature enables you to type in text lines without regard to margins; your text is automatically formatted to fit within the margin size that you specify, as in book and newspaper printing. Other capabilities of Script include page numbering, page heading, tab setting, indentation, centering, margin setting (top and bottom of page, as well as right and left sides), double spacing, page skipping, line breaking and several special features, such as entering lines from the terminal during manuscript printout. The hard copy, or finished product, can be outputted to either the typewriter terminal or offline printer.
Sample documents are provided for practice in creating, editing, and printing a Script file.

The procedure for logging in from CP-67 (the Control Program) to CMS, and document maintenance within CMS are explained.

The Edit facility in CMS is described in some detail. Type III Program Manual, Class A, 72 pages

SH20-0863

IBM SYSTEM/360 FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL-LOW CORE (FASTER LC) 5736-G22 PROGRAM DESCRIPTION MANUAL
FASTER LC is a programming system for retrieving data from indexed-sequential files, and for maintaining such files, by means of remote or local terminal devices. The system procedures are adaptable to a wide variety of applications. FASTER LC incorporates a macro-language which provides for writing message processing programs on a functional level.

Through the use of the Basic Telecommunications Access Method, FASTER LC provides line control to support a communication network consisting of combinations of IBM 1050 and IBM 2740-1 typewriter terminals and the IBM 2260 display terminal.

FASTER LC operates as a standard job in a single partition under DOS/360, using a minimum of 32K bytes, on a System/360 Model 2025ED or larger.

This manual describes the FASTER LC system environment and components. Included are detailed macro instruction descriptions, and user considerations concerning backup/recovery, hardware, and documentation aids. Manual, 280 pages

SH20-0864

SYSTEM/360 FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL-LOW CORE (FASTER LC) 5736-G22 OPERATIONS MANUAL
This publication contains a description of the procedures necessary to implement FASTER LC in a test or on-line environment. Initialization of system files, linkage editing options, and system messages are discussed in addition to the maintenance transaction which is included with the program.
Manual, 52 pages

SH20-0866

GENERAL PURPOSE SIMULATION SYSTEM V INTRODUCTORY USER'S MANUAL, PROG. NOS. 5734-XS2 (OS) AND 5736-XS3 (DOS)
This manual provides a basic introduction to the use of the General Purpose Simulation System (GPSS). It is written for those individuals who have not had previous simulation experience.

The information presented is sufficient to enable new users to construct simple models within a short period of time. It is intended for an audience of those persons responsible for evaluating modeling techniques and constructing actual models.

Examples of the use of GPSS statements are given throughout the manual. These examples emphasize the basic features of the GPSS program and demonstrate the use of simple GPSS statements. A more complete, detailed

description of all GPSS features may be found in the manual entitled GENERAL PURPOSE SIMULATION SYSTEM V USER'S MANUAL (SH20-0851). Users should refer to a copy of the USER'S MANUAL when they begin to write more sophisticated models. Introductory User's Manual, Program Product, 132 pages

SH20-0867

GENERAL PURPOSE SIMULATING SYSTEM V-OS (GPSS V-OS) OPERATIONS MANUAL PROGRAM NUMBER 5734-XS2
This manual contains sufficient information to enable the user to link-edit and incorporate the GPSS program into his system library for subsequent execution under the control of Operating System/360. Detailed examples are given for entering the GPSS program into either a private program library or the OS/360 program library, SYS1.LINKLIB. Other examples illustrate the OS/360 job control language (JCL) statements required to execute models that use various GPSS features which require additional JCL statements.

This manual describes and illustrates the quantity of GPSS entities required to fit modeling requirements. The various data sets required by GPSS are also illustrated and described. Explained in detail are several extended features of GPSS: Run Length, LOAD, user-written FORTRAN and PL/I HELP routines, and Auxiliary Storage. Sufficient examples are provided to enable the user to implement these features.
Program Product Operations Manual, 88 pages

SH20-0868

GENERAL PURPOSE SIMULATION SYSTEM V - DOS (GPSS V - DOS) OPERATIONS MANUAL, PROGRAM NUMBER 5736-XS3

This manual contains sufficient information to enable the user to link edit and incorporate the GPSS program into a system for subsequent execution under the control of the Disk Operating System/360. Detailed examples are given to illustrate the DOS job control statements required to execute models that use various features of GPSS.

This manual explains the quantity of GPSS entities and the core allocation needed to fit modeling requirements. The various data sets required by GPSS are also listed and described.

Several extended features of GPSS are explained in detail. These include the Run Length, Load, and Auxiliary Storage features and user-written FORTRAN and PL/I HELP routines. Sufficient examples are provided to enable the user to implement these features.
Program Product Manual, 72 pages

SH20-0870

SYSTEM/360 FINANCIAL TERMINAL SYSTEM, PROGRAM DESCRIPTION MANUAL, PROGRAM NUMBER 5736-F12

The System/360 Financial Terminal System comprises a comprehensive modular set of programs designed to provide an efficient multiprogramming environment for communication-based users. The on-line system functions as an interface between user-written application programs and the DOS/360 multitasking supervisor and BTAM. Thus, high-level control of a terminal network with concurrent processing of up to eight message transactions within one DOS partition is provided. To obtain the necessary resources and services for transaction processing, user programs issue FTS and/or DOS macros.

In addition, FTS provides guidelines and off-line programs to facilitate the installation of the on-line system and promote its effective operation.
Program Product Documentation, 76 pages

SH20-0871

SYSTEM/360 FINANCIAL TERMINAL SYSTEM, OPERATIONS MANUAL, PROGRAM NUMBER 5736-F12

This manual contains system preparation information, procedural descriptions, and operating instructions for all facets of the System/360 Financial Terminal System operation. These include unpacking the machine-readable material comprising FTS, system generation, loading, initialization, testing, on-line control, system performance analysis, and post processing.

For a more comprehensive understanding of FTS, the system operator is directed to the FTS Program Description Manual (SH20-0870).
Program Product Documentation, 140 pages

SH20-0872

SYSTEM/360 FINANCIAL TERMINAL SYSTEM, PROGRAMMER'S MANUAL, PROGRAM NUMBER 5736-F12

The System/360 Financial Terminal System (FTS), operating with the DOS multitasking supervisor and BTAM in a DOS partition, provides efficient multitasking capabilities to communications-based users.

This manual serves as a guide for designing, writing, and testing transaction processors to be executed under FTS. The FTS environment, requirements, and macro instructions are described along with programming techniques.
Program Product Documentation, 136 pages

GH20-0873

FARE QUOTE/TICKETING APPLICATION DESCRIPTION MANUAL
This program provides a modular domestic U.S. Airline fare quotation and ticketing system designed to be integrated with the IBM Programmed Airlines Reservation System (PARS). This program operates under the supervision of the Airlines Control Program (ACP).
Program Product Manual, 24 pages

GH20-0874

COMPUTER SYSTEM SIMULATOR II (CSS II) GENERAL INFORMATION MANUAL, PROGRAM NUMBER 5734-XS5
This manual contains a general description of the Computer System Simulator, a program defined to analyze the operation of computer systems -- both programs and equipment. The CSS language is presented along with a description and samples of the output obtainable. The scope of the program is indicated by two case studies in which CSS was used; these illustrate the type of problem for which CSS can be useful and the magnitude of the effort required.
General Information Manual, 20 pages

SH20-0875

COMPUTER SYSTEM SIMULATOR II (CSS II) PROGRAM DESCRIPTION AND OPERATIONS MANUAL, PROGRAM NUMBER 5734-XSS
This manual provides a definitive description of the Computer System Simulator II (CSS II), a simulator program for analyzing the performance of computer systems. The structure and language of the program are explained in detail, with some examples showing the application of the program. In addition, the operation procedures for running the program are included. This manual is not intended for the tyro. The reader is assumed to have a thorough understanding of what constitutes a computer system and of the interaction between hardware and software within the system.
Manual, 284 pages

GH20-0876

THE REAL-TIME MONITOR (RTM) PROGRAM DESCRIPTION MANUAL, PROGRAM NUMBER 360A-SV-001
The Real-Time Monitor (RTM) is co-resident with OS. It provides fast interrupt response for real-time, event-driven systems. Normal OS jobs continue to run while the Monitor services real-time interrupts and schedules real-time jobs in priority mode. In addition, multiprogramming capability and OS facilities are provided for the real-time jobs. This manual presents the general design concepts of RTM and functional capabilities that enable the user to run real-time and non-real-time jobs concurrently. It is assumed that the reader is familiar with standard OS terminology.
Application Program Manual, Type II, 16 pages

GH20-0877

THE REAL-TIME MONITOR (RTM), PROGRAM NUMBER 360A-SV-001 OPERATIONS AND PROGRAMMER'S GUIDE
The REAL Time Monitor (RTM) is co-resident with OS. It provides fast interrupt response for real-time, event-driven systems. Normal OS jobs continue to run in background mode while the Monitor services real-time interrupts and schedules real-time jobs in priority mode. In addition, multiprogramming capability and OS facilities are provided for the real-time jobs. This manual describes the operating instructions, programming services, and the control blocks required to install RTM and to design application programs that run under RTM.
Application Program Manual, Type II, 68 pages

SH20-0879

DATA/360 - DOS CONSOLE OPERATOR'S GUIDE, PROGRAM NUMBER 5736-XS2
This manual presents (1) a procedure for initializing the DATA/360 system, (2) a description of DATA/360 utilities and procedures for using them, and (3) a complete and detailed description of all files and their associated formats.
Program Product Manual, 52 pages

GH20-0883

CONSOLIDATED FUNCTIONS ORDINARY II (CFO II) SYSTEM, APPLICATION DESCRIPTION, PROGRAM NUMBER 5736-N13
CFO II is a proven insurance information systems approach to the maintenance, processing, and servicing of individual life insurance contracts.
CFO II processes both scheduled and nonscheduled transactions, provides figures for annual and interim statement purposes, updates policies with cash values, dividends, and other forms of participation, and updates policies with renewable term premiums. CFO II capabilities provide for policy status on loans, surrenders, and mode premium values.
This manual contains a general description of the insurance functional capabilities of the CFO II system. It is intended to provide the reader with an understanding of the system and its capabilities. It also will serve as a guide for planning the installation of CFO II.

Application Description Manual, 32 pages

SH20-0885

DATA/360 - DOS TERMINAL OPERATOR'S GUIDE, PROGRAM NUMBER 5736-XS2
This manual describes the entire command structure for DATA/360. Each command (both primary and secondary) is explained in sufficient detail to enable an experienced keypunch operator to quickly acquire the skills necessary to exploit the advantages offered by the DATA/360 system. This manual is organized to facilitate teaching of inexperienced operators as well as to serve as a reference guide. In addition, the Appendix contains a step-by-step self-tutoring DATA/360 primer.
Terminal Operator Guide, Program Product, 32 pages

GH20-0888

BASIC COURTS SYSTEM (BCS) APPLICATION DESCRIPTION MANUAL, PROGRAM NUMBER 5736-G26
The Basic Courts System (BCS) provides judicial administrators with on-line calendar, case history, name index and identification number index information to assist them in the management of court operations. It is designed to function in criminal and civil courts on general and limited jurisdiction levels.
BCS utilizes the FASTER LC system (Program Product Number 5736-G22) and operates in a 56K problem program partition (includes FASTER LC) of a Model 2030 F or larger System/360, or a System/370 subject to the compatibility constraints announced for System/370.
This manual describes the features, advantages, and general design of the system. Planning information is also provided.
Program Product Manual, 36 pages

SH20-0890

APL/360 - OS OPERATIONS AND INSTALLATION MANUAL, PROGRAM NUMBER 5734-XM6
This manual is in three parts.
Part I gives instructions for operating the APL/360 time-sharing system. Suggestions for good practice in time-sharing and remote-computing operation are included.
Part II gives instructions for operating the APL/360 Utility program.
Part III describes the procedure for incorporating APL into an existing installation. It includes instructions for preparing the OS system for APL, allocating resources, and restoring the distributed APL library. Common problems encountered during system installation are noted and analyzed.
Program Product Manual, 76 pages

GH20-0892

IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) APPLICATION DESCRIPTION, PROG. NO. 5734-XX1
This manual surveys the operational concepts and system capabilities of the Generalized Information System, Version 2. The manual introduces the language of GIS/2 and describes the file organization and processing actions supported by GIS/2.
The Generalized Information System operates under control of the Operating System on System/360 and System/370 and supports a wide variety of applications by providing information-handling capabilities against many typical data base organizations. GIS/2 provides facilities for defining, maintaining, and retrieving data from user files under direction of the using installation and its personnel.
Program Product Manual, 76 pages

SH20-0893

SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM OPERATIONS MANUAL, PROGRAM NUMBER 5736-F32
This manual gives instructions for operating the Active Certificate Information (ACIP) from the System/360 console operator's point of view. System/360 operations include ACIP start and stop procedures, control card setup, system generation, and console messages.
Program Product Manual

SH20-0894

SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM TERMINAL OPERATOR'S MANUAL, PROGRAM NUMBER 5736-F32
The Active Certificate Information Program (ACIP) assists the box clerk in the operations of the active box section of the cashier's department. The certificate inventory and summarized pending instructions are maintained on-line and are updated by security move transactions.
This manual describes the operations used by a 2260 terminal operator for the ACIP program. It contains an explanation of the features and operating characteristics of the 2260 terminal and a complete description of all transactions with examples of their use. It includes explanations of the types of security records maintained on the master security description (MSD) file, with a description of the denominations in which resources are stored. Also covered are the elements of the MSD record keys with their associated codes.
Appendices contain examples of typical transaction

response screens and descriptions of the data entry formats for transactions.

Program Product Manual, 120 pages

SH20-0895

SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM PROGRAM DESCRIPTION MANUAL, PROGRAM NUMBER 5736-F32

This manual describes the program functions and the processing performed by the Active Certificate Information Program. All terminal displays and record formats are included with an explanation of their contents. All user program options and user installation requirements are fully discussed.

Program Product Manual, 108 pages

GH20-0896

FORTRAN CONVERSION AID PROGRAM, GENERAL INFORMATION MANUAL PROGRAM NUMBER 5799-AAJ, REFERENCE NUMBER FA1287

The FORTRAN Conversion Aid Programming RPQ assists in converting programs written in certain non-System/360 FORTRAN dialects to System/360 executable code. Conversion is accomplished through translation, hand modification, compilation, and object-time library simulation. This programming RPQ is available on special quotation only. This manual briefly describes the major components, capabilities, and limitations of FORTRAN Conversion Aid. Included is a listing of sample input and output for the Translator portion of the program.

Programming RPQ, 20 pages

SH20-0897

FORTRAN CONVERSION AID PROGRAM, PROGRAM DESCRIPTION AND OPERATIONS MANUAL, PROGRAM NUMBER 5799-AAJ, REFERENCE NUMBER FA1287

The FORTRAN Conversion Aid Programming RPQ assists in converting programs written in certain non-System/360 FORTRAN dialects to System/360 executable code. Conversion is accomplished through translation, hand modification, compilation, and object-time library simulation. This programming RPQ is available on special quotation only.

This manual gives a general overview of the Programming RPQ and its capabilities. It describes the components of FORTRAN Conversion Aid and contains instructions for using it.

Program Product Manual, 196 pages

SH20-0898

PMS IV, COST PROCESSOR, PROGRAM DESCRIPTION AND OPERATIONS PROGRAM PRODUCT MANUAL - PROGRAM NUMBER 5734-XP4

This manual describes the Cost Processor, one of the four component processors of PMS IV. It explains how the Cost Processor fits into the system, and what it does. It describes in detail the format of all necessary cards and includes examples of an input deck listing and output reports. Further, it explains how to run the processor in the most economical way, and how to make full use of the processor's facilities to carry out fully satisfactory cost analysis.

Manual, 168 pages

SH20-0899

PMS IV, NETWORK PROCESSOR, PROGRAM DESCRIPTION AND OPERATIONS MANUAL, PROGRAM NUMBER 5734-XP4

This manual provides a detailed description of the Network Processor of PMS IV. It sets out in detail the format of the input cards and the output generated. It explains the methods of calculation used and defines the OS/360 job control needed to run the Network Processor. It illustrates the standard reports and explains how to get the best out of the system.

Program Product Manual, 176 pages

SH20-0900

PROJECT MANAGEMENT SYSTEM IV (PMSIV) RESOURCE ALLOCATION PROCESSOR, PROGRAM DESCRIPTION/ OPERATIONS MANUAL - PROGRAM NUMBER 5734-XP4

This manual provides a detailed description of the Resource Allocation Processor of PMSIV. It sets out in detail the output generated and defines the OS/360 job control needed to run the Resource Allocation Processor. The manual also illustrates the standard reports and explains how to get the best out of the system.

Manual, 100 pages

SH20-0901

PROJECT MANAGEMENT SYSTEM IV (PMS IV) REPORT PROCESSOR PROGRAM DESCRIPTION/OPERATIONS MANUAL PROGRAM NUMBER 5734-XP4

This manual describes the Report Processor, one of the four component processors of PMS IV. It explains what the Report Processor is, how to use it, and how to run it most efficiently. It gives a complete description of all necessary input cards, and contains sample listings of input decks. It gives extensive guidance, with worked examples, toward modifying the Report Processor to obtain precisely the report required.

Manual, 200 pages

GH20-0903

IBM DISK OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL - MULTITHREAD (DOS FASTER MT) APPLICATION DESCRIPTION, PROGRAM NUMBER 5736-G24

DOS FASTER MT consists of a generalized set of macros and a teleprocessing monitor which aid and simplify the implementation of a teleprocessing system. Terminals supported are 1050, 2740, 2260, and 2265. The DOS FASTER MT System incorporates the capabilities to install inquiry, update, message routing, and data entry applications. The system employs a set of macro instructions that generate the line control, interface, and message processing functions, thereby eliminating the need for detailed knowledge of terminal communications control of BTAM. This capability makes the DOS FASTER MT System adaptable to a wide variety of applications. The system is designed to operate in a minimum 80K partition of a Model 2040G (or larger) System/360 or System/370.

The principal features are described, along with a discussion of the system design. Planning information is given to help determine the applicability of DOS FASTER MT to a particular operational environment.

Manual, 36 pages

GH20-0906

APL/360-OS (5734-XM6), APL/360-DOS (5736-XM6), USER'S MANUAL

This publication provides information necessary to use the APL/360 system. It discusses procedures and equipment required for interacting with the system, how to establish connection between terminal and central computer, how to start and end work sessions, and how to apply system control features. Application of the APL language to user problems is thoroughly discussed, and appendices give both elementary and advanced examples of actual terminal sessions.

Program Product Manual, 160 pages

SH20-0908

MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MP SX) MIXED INTEGER PROGRAMMING (MIP) PROGRAM DESCRIPTION MANUAL

This manual provides necessary information to process mixed integer linear programming problems using MIP, an optional feature of MP SX. As described in this manual, MIP can be used at either the straightforward, advanced, or sophisticated level, each succeeding level offering the user more capability.

Program Product Description Manual, 164 pages

SH20-0909

DISPLAY MANAGEMENT SYSTEM PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5734-XC1

An interactive data processing system is one in which decision making rests in the hands of qualified individuals who communicate directly with the computer by means of online devices such as the 2260/65 Display Station. The Display Management System (DMS) is a series of application modules, operating under a supervisor, which greatly simplify to the user the complexities of implementing interactive data processing operations that feature the 2260/65 Display Station. The data entry, update, and inquiry capability offered by DMS makes it possible to implement many new or existing applications in the interactive environment without user programming. By use of three forms provided by DMS the user implements his own applications on a customized basis by describing his data files, designing 2260/65 Display Station images (panels) in the language of his own application, and describing the utility functions that are required. An online work order system, such as might be used in a plant maintenance application, is used throughout as an example of the type of application that can be easily implemented under DMS.

This manual contains detailed information that is intended for the system analyst, programmer, or other personnel responsible for implementation of an online system.

The manual contains a general description of the system, an example of system usage, detailed description of the input/output for which the user is responsible including the three DMS forms, a description of the processing techniques, discussion of the considerations involved in implementation of a customized work order system, and a sample problem. Information on timing, control and audit, modification aids, programming systems usage, and machine configuration is included. A bibliography is also provided.

Program Product Manual, 148 pages

SH20-0910

INFORMATION MANAGEMENT SYSTEM/360, VERSION 2 SYSTEM/APPLICATION DESIGN GUIDE PROGRAM NUMBER 5734-XX6

This manual is a guide for the application analyst or system analyst. Its contents will assist him in the design of an IMS/360 system as well as in the design of the application systems which will run under IMS/360.

Program Product Manual, 300 pages

SH20-0911

INFORMATION MANAGEMENT SYSTEM/360, VERSION 2
SYSTEM PROGRAMMING REFERENCE MANUAL
 PROGRAM NUMBER 5734-XX6

This manual provides system programming personnel with installation considerations and details for generation (definition) of an IMS/360 system for the user's data processing environment. The security maintenance program is included and message editing capabilities discussed. An IMS/360 sample problem is also provided.
 Program Product Manual, 276 pages

SH20-0912

INFORMATION MANAGEMENT SYSTEM/360, VERSION 2
APPLICATION PROGRAMMING REFERENCE MANUAL
 PROGRAM NUMBER 5734-XX6

This manual provides the details needed for an application program to be implemented under IMS/360. This manual is directed to the application programming interface (the coding techniques necessary for implementation of a designed application under the IMS/360 control program). The reader should be familiar with the IBM/360 SYSTEM/APPLICATION DESIGN GUIDE (SH20-0910) before reading this document.
 Program Product Manual, 120 pages

SH20-0913

INFORMATION MANAGEMENT SYSTEM/360, VERSION 2,
OPERATOR'S REFERENCE MANUAL
 PROGRAM NUMBER 5734-XX6

Information Management System/360 (IMS/360) is a processing program (control system) designed to facilitate the implementation of medium to large common data bases in a multi-application environment. This environment is created to accommodate both on-line message processing and conventional batch processing, either separately or concurrently. The system permits the evolutionary expansion of data processing applications from a batch-only to a teleprocessing environment.

This manual provides the operator with the information associated with operating IMS/360 once the system has been established in a user environment.
 Program Product Manual, 152 pages

SH20-0914

INFORMATION MANAGEMENT SYSTEM/360, VERSION 2,
MESSAGES AND CODES REFERENCE MANUAL,
 PROGRAM NUMBER 5734-XX6

Information Management System/360 (IMS/360) is a processing program (control system) designed to facilitate the implementation of medium to large common data bases in a multi-application environment. This environment is created to accommodate both on-line message processing and conventional batch processing, either separately or concurrently. The system permits the evolutionary expansion of data processing applications from a batch-only to a teleprocessing environment.

This manual lists, explains, and suggests appropriate responses to the completion codes, status codes, and messages produced by the IBM-supplied components of the IMS/360 system.
 Program Product Manual, 104 pages

SH20-0915

INFORMATION MANAGEMENT SYSTEM/360 VERSION 2
UTILITIES REFERENCE MANUAL, PROG. NO. 5734-XX6

This manual explains how to execute the IMS/360 utilities programs under Operating System/360. Described are data base description generation and program specification block generation, data base recovery and data base reorganization, and system log analysis.
 Program Product Manual, 224 pages

SH20-0919

DISPLAY MANAGEMENT SYSTEM OPERATOR'S MANUAL
 PROGRAM NUMBER 5734-XC1

This manual contains information that will enable the user to generate and incorporate the IBM Display Management System into a system for subsequent execution under control of the IBM Customer Information Control System (CICS). Information is included for system maintenance and terminal operation. All offline and online messages are described.
 Program Product Manual, 44 pages

GH20-0920

CONTROL PROGRAM-67 ONLINE COBOL SYMBOLIC DEBUG
PROGRAM NUMBER 5799-AAE - APPLICATION DESCRIPTION MANUAL

The Online COBOL Symbolic Debug Program RPQ for COBOL F and ANS COBOL provides an interactive debugging facility for OS/360 COBOL programmers who operate in the virtual machine environment of CP-67. The programming RPQ is available on special quotation only (see inside front cover). The publication describes the Online COBOL Symbolic Debug system. General design concepts and the interfaces with CP-67, CMS, and OS/360 are discussed. It is assumed that the reader is familiar with the basic concepts of the IBM Control Program-67 (CP-67) and CMS. Both are described in CP-67/CMS System Description Manual, GH20-0802.

Programming RPQ Manual, 12 pages

SH20-0921

CONTROL PROGRAM - 67 ONLINE COBOL SYMBOLIC DEBUG
USER'S GUIDE - PROGRAM NUMBER 5799-AAE

This publication describes the facilities of the On-line COBOL Symbolic Debug Program RPQ. This programming RPQ is available on special quotation only (see inside front cover). It is directed to the user of the system and includes all the information necessary to set up and test a COBOL program under On-line COBOL Symbolic Debug. Terminal characteristics, logging procedures, and system messages are also discussed.
 Programming RPQ, 132 pages

SH20-0922

CONTROL PROGRAM - 67 ONLINE COBOL SYMBOLIC DEBUG
INSTALLATION MANUAL, PROGRAM NUMBER 5799-AAE

This Programming RPQ is designed to allow users of a CP-67 system to debug COBOL programs interactively on a virtual machine which is running OS/360. This programming RPQ is available on special quotation only (see inside front cover).

This publication describes the installation procedures for On-line COBOL Symbolic Debug. For additional information see IBM CP-67 ONLINE COBOL SYMBOLIC DEBUG, OS/360 IN A VIRTUAL MACHINE.
 Programming RPQ, 52 pages

SH20-0923

CONTROL PROGRAM - 67 ONLINE COBOL SYMBOLIC DEBUG
OPERATING SYSTEM/360 IN A VIRTUAL MACHINE,
PROGRAM NUMBER 5799-AAE

This document describes characteristics of the operating environment of the programs of the On-line COBOL Symbolic Debug Program RPQ. This programming RPQ is available on special quotation only (see inside front cover).

General guidelines for running OS/360 under CP-67 control are given. Specific information is given for running the programs classed as OS/360 IN A VIRTUAL MACHINE. This document is directed toward system programmers, and assumes knowledge of OS/360.
 Programming RPQ, 40 pages

SH20-0924

MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX),
OPERATIONS MANUAL - PROGRAM NUMBER 5734-XX4

This manual contains information on the preparatory and operating procedures for the Mathematical Programming System Extended (MPSX) and its Mixed Integer Programming (MIP) feature.
 Program Product, 36 pages

SH20-0925

DATA/360-OS TERMINAL OPERATOR'S GUIDE,
PROGRAM NUMBER 5734-XS3

DATA/360 is a method for entering data directly into a computer. This manual describes the commands of DATA/360. This manual is intended for those persons entering and verifying data and can be used as both a learning guide and a reference guide.

Technical information pertaining to generating and operating the DATA/360-OS system is found in the DATA/360-OS Console Operator's Guide (SH20-0926), and detailed reference information is in the DATA/360-OS System Manual (LY20-0638).
 Program Product Manual, 52 pages

SH20-0926

DATA/360-OS CONSOLE OPERATOR'S GUIDE,
PROGRAM NUMBER 5734-XS3

This manual contains detailed reference information for using the DATA/360-OS system and includes instructions for:

- o Generating the system
- o Building documents on the master file
- o Operating the system
- o Running the utilities
- o Responding to internal messages

It is intended for those persons responsible for generating the system (systems programmers and data entry supervisors) and operating the system (computer operators and scheduler and systems personnel).

Detailed descriptions of the DATA/360-OS files and internals are located in the DATA/360-OS System Manual (LY20-0638). The DATA/360 Terminal Operator's Guide (SH20-0925) describes the IBM 2260 Display Station keyboard and DATA Terminal Operator Language (DATA/TOL) and contains an operator's training guide.
 Manual, 68 pages

SH20-0932

MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX)
CONTROL LANGUAGE USER'S MANUAL, PROGRAM NUMBER 5734-XX4

This manual is one of a series of manuals which describe the use of the IBM Mathematical Programming System Extended (MPSX). It is a prerequisite of MPSX LINEAR AND SEPARABLE

PROGRAMMING PROGRAM DESCRIPTION MANUAL and assumes that the user is familiar with the INTRODUCTION TO MPSX (GH20-0849) and SYSTEM/360 JOB CONTROL LANGUAGE (GC28-6539). This manual describes the organization of the components of MPSX and their interface with Operating System/360 (OS/360). It also describes in detail the control language used to communicate a solution strategy for solving a mathematical programming problem to MPSX, and the OS/360 job control language statements necessary to execute MPSX. Program Product, 44 pages

GH20-0935

IBM FASHION REPORTER: APPLICATION DESCRIPTION, PROG. NO. 5736-D11

IBM Fashion Reporter is designed to assist the retail merchant in maintaining accurate inventory records and to provide merchandise operating reports. The reports provided are a stock status, a class/priceline, a style page, and an aging report.

The user controls the level of detail for stock records and reporting criteria. It is primarily designed for fashion/softgoods merchandise reporting.

IBM Fashion Reporter Program Number 5736-D11 consists of a group of programs designed for the implementation of this application on IBM System/360 using Disk Operating System (DOS) or on IBM System/370 subject to the compatibility constraints announced for System/370. System/370 support will be concurrent with the availability of the DOS release supporting System/370.

This Application Description Manual includes a general description of these programs, the machine configuration needed to run them, general system charts, and sample reports. A general discussion of the retail environment is included.

The manual is intended for use in determining the applicability of this program product and for planning its implementation. The audience includes retail merchandise management and data processing personnel. Application Description Manual, 44 pages

SH20-0936

CONSOLIDATED FUNCTION ORDINARY SYSTEM II (CFO II) PROGRAM DESCRIPTION VOLUME II: POLICY MASTER RECORD CODE BOOK, PROG. NO. 5736-N13

This preliminary manual contains information for use in advanced planning and implementing Consolidated Functions Ordinary II (CFO II).

Part I of this manual contains the formats of the input, output, rate file, and miscellaneous CFO II records.

Part II contains descriptions of customer constants, customer tables, transaction codes, preparation of input and rate file data, and output records. Program Description Manual, 112 pages

SH20-0937

CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII) MISCELLANEOUS PROGRAM DATA, PROGRAM DESCRIPTION MANUAL VOLUME III - PROGRAM NUMBER 5736-N13

Part I of this manual contains the formats of the input, output, rate file, and miscellaneous CFO II records. Part II contains descriptions of customer constants, customer tables, transaction codes, preparation of input and rate file data, and output records. Program Product Manual

SH20-0938

APL/360 - DOS OPERATIONS AND INSTALLATION MANUAL, PROGRAM NUMBER 5736-XM6

This manual is in three parts.

Part I gives instructions for operating the APL/360 time-sharing system. Suggestions for good practice in time-sharing and remote-computing operation are included.

Part II gives instructions for operating the APL/360 Utility programs.

Part III describes the procedure for incorporating APL into an existing installation. It includes instructions for preparing the HOST system for APL, allocating resources, and restoring the APL distributed library. Common problems encountered during system installation are noted and analyzed.

Program Product Manual, 80 pages

SH20-0959

MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) MESSAGE MANUAL, PROGRAM NUMBER 5734-XM4

This manual contains the messages generated by the procedures and subroutines of the Mathematical Programming System Extended and its Mixed Integer Programming Feature (MIP).

Program Product, 208 pages

SH20-0960

MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) READ COMMUNICATIONS FORMAT (READCOMM) PROGRAM DESCRIPTION MANUAL, PROGRAM NUMBER 5734-XM4

This manual provides the system user with the information necessary to use the Read Communications Format (READCOMM) feature of MPSX. READCOMM is a subroutine that enables

the user to augment MPSX with procedures written in the FORTRAN language.

This manual assumes that the user is familiar with the INTRODUCTION TO MPSX (GH20-0849), the MPSX CONTROL LANGUAGE USER'S MANUAL (SH20-0932), the MPSX LINEAR AND SEPARABLE PROGRAMMING PROGRAM DESCRIPTION MANUAL and the FORTRAN programming language. Program Product, 44 pages

GH20-0961

BILL PROCESSOR SYSTEMS - IMS/360 BRIDGE, APPLICATION DESCRIPTION MANUAL, PROGRAM NUMBER 5734-XX9

This program product is designed to allow a user of a DOS or OS bill processor system to implement Information Management System/360 (IMS/360) Version 2 Data Base System with minimal changes to programs accessing bill processor system files. It provides the necessary logic to:

- Unload the bill processor system files into a format suitable for loading as IMS/360 data bases
- Load the unloaded bill processor system files as IMS/360 hierarchic direct data bases
- Interpret bill processor system calls and converts them to IMS/360 calls to perform the same logical function against the data bases

This manual contains a general description of the programs, the machine configuration, and the general system charts for the program product. It is intended for use in determining the applicability of the program product and in planning for its implementation. The audience includes customer executives, systems analysts, and programmers. Knowledge of the concepts and terminology discussed in the INFORMATION MANAGEMENT SYSTEM/360 VERSION 2 GENERAL INFORMATION MANUAL (GH20-0765) is a prerequisite to an understanding of this manual. Manual, 36 pages

SH20-0963

BASIC COURTS SYSTEM - PROGRAM PRODUCT DESCRIPTION MANUAL PROGRAM PRODUCT 5736-G26

The Basic Courts System provides judicial administrators with online information relating to calendars, case histories, name indexes, and identification number indexes to assist them in the management of court operations. It is designed to function in criminal and civil courts on general and limited jurisdiction levels.

As its teleprocessing monitor, the system utilizes either FASTER LC (Program Product number 5736-G22) or DOS FASTER MT (Program Product number 5736-G24). With FASTER LC, the system operates in a 56K problem program partition of a Model 2030F or larger System/360, or a System/370 subject to the compatibility constraints announced for System/370.

With DOS FASTER MT, the system operates in a 114K problem program partition of a Model 2040G or larger System/360, or a Model 135 GD or larger System/370 subject to the compatibility constraints announced for System/370.

This manual describes the system's files, programs, and transactions in detail. Installation planning information is also provided. Manual, 176 pages

SH20-0964

BASIC COURTS SYSTEM PROGRAM PRODUCT OPERATIONS MANUAL PROGRAM NUMBER 5736-G26

The Basic Courts System provides judicial administrators with online calendar, case history, name index, and identification number index information to assist them in the management of court operations. It is designed to function in criminal and civil courts on general and limited jurisdiction levels.

Basic Courts System utilizes the FASTER LC system (Program Product number 5736-G22) and operates in a 56K problem program partition (which includes FASTER LC) of a Model 2030F or larger System/360, or on a System/370 subject to the compatibility constraints announced for System/370.

This publication contains a description of the procedures necessary to implement Basic Courts System in a test or online environment. Initialization and maintenance of system files, online program operations, and system messages are discussed along with terminal operations and procedures. Manual, 200 pages

SH20-0968

MPSX LINEAR AND SEPARABLE PROGRAMMING, PROGRAM DESCRIPTION MANUAL, PROGRAM NUMBER 5734-XM4

This manual provides the system user with the information required to prepare input data and control cards and to interpret the system's output. It is a basic reference document for any MPSX user. All procedures are explained. Program Product Manual, 308 pages

GH20-0970

BIBLIOGRAPHY OF APPLICATION PUBLICATIONS MEDICAL INDUSTRIES
The purpose of this bibliography is to list and categorize IBM application publications that are pertinent to the medical industry.

A periodic Bibliography of Application Publications (BAP) Newsletter is published to keep the bibliography up to date.
Bibliography, 28 pages

SH20-0978

OS CAPACITY PLANNING - INFINITE LOADING,
OS CAPACITY PLANNING - FINITE LOADING, OPERATIONS MANUAL
PROGRAM NUMBERS 5734-M53 AND 5734-M54

Capacity Planning consists of programs designed to assist in the implementation of work center loading in manufacturing organizations.

This manual contains information regarding procedures for the preparation and operation of the programs, including sample job control cards for link editing and executing all programs. Also included is a complete list of the messages that can be produced by the programs.

An explanation of the sample problem and the operating procedures are also provided.

The audience for this manual includes operating personnel, systems analysts, and programmers.
Program Product Manual, 52 pages

SH20-0979

FARE QUOTE/ISSUE TICKET USER'S GUIDE
PROGRAM NUMBER 5736-T11

This document describes the agent terminal inputs required to automatically price and print, on demand, standard airline tickets based on Passenger Name Record (PNR) information, and the resulting responses.
Program Product Manual, 27 pages

SH20-0980

TARIFF MAINTENANCE
USER'S GUIDE, PROGRAM NUMBER 5736-T11

This document describes the process required to create and maintain on-line records for the fare quote and ticketing packages:

- o Input Preparation
- o Error List Interpretation
- o General Process Flow

Program Product Manual, 70 pages

SH20-0981

FARE QUOTE/TICKETING SYSTEM
IMPLEMENTATION GUIDE, PROGRAM NUMBER 5736-T11

This document describes the tasks necessary to integrate the Fare Quote/Ticketing package into an existing Programmed Airline Reservation System (PARS) installation.
Program Product Manual, 57 pages

SH20-0982

TARIFF MAINTENANCE
OPERATOR'S GUIDE, PROGRAM NUMBER 5736-T11

This manual describes the control cards that must be provided by the programmer for compilation and execution of a program written using 1130 COBOL. Additionally, programming suggestions, techniques, and certain language features and capabilities are described in some detail to assist programmers in understanding compilation execution results. 1130 COBOL is a defined subset of American National Standard COBOL (formerly USA Standard COBOL).
Program Product Manual, 18 pages

GH20-0983

ELECTRONIC CIRCUIT ANALYSIS PROGRAM II (ECAP II) FOR THE IBM
OPERATING SYSTEM AND 1130 COMPUTING SYSTEM: APPLICATION
DESCRIPTION, PROG. NOS. 5734-EE1, 5711-EE1

These program products provide engineers and scientists with powerful tools for performing direct current (DC) and transient analysis of linear and nonlinear electrical networks, or analysis of any physical system that may be represented by a network model. The programs provide a simple, user-oriented input language for describing the network components and their interconnections.

A model library feature stores models of commonly used devices and/or circuits for recall in network problems. Through the use of improved analytic and programming techniques, much larger problems can be analyzed and in less time than has heretofore been possible.

This manual contains a general description of the application, the machine configuration requirements, an overall systems chart, and a sample problem which illustrates input and output, and demonstrates the system's capabilities and techniques for problem solving.
Manual, 36 pages

SH20-0985

PROCEDURE LIBRARY - MATHEMATICS (PL-MATH)
PROGRAM DESCRIPTION MANUAL, PROGRAM NUMBER 5734-XM3

The Procedure Library - Mathematics (PL-MATH) is a collection of mathematical procedures written in the PL/I

language. It consists of input/output-free computational building blocks, written completely in PL/I, which may be combined with a user's input, output, or computational routines as needed. The procedures in this library may be applied to the solution of many problems in industry, science, and engineering.

This manual contains sufficient information to permit the reader to understand and use the Procedure Library - Mathematics.
Program Product, 248 pages

SH20-0986

OS SHOP FLOOR CONTROL OPERATIONS MANUAL
PROGRAM NUMBER 5734-M31

OS Shop Floor Control consists of programs designed to handle planned order release, open-order file maintenance, general information retrieval, and work list preparation. Each application consists of one or more programs. This program product is designed to assist in the implementation of a shop floor control application in manufacturing organizations.

This manual contains information regarding preparatory and operating procedures for the programs. It includes a complete list of the error messages that can be produced by the programs. The audience for this manual includes customer operating personnel, systems analysts, and programmers. The prerequisite for the use of this manual is a knowledge of the Operating System and the Chained File Management System of OS/360 Requirements Planning.
Manual, 36 pages

GH20-0987

COURSEWRITER III, VERSION 3 APPLICATION DESCRIPTION MANUAL
PROGRAM NUMBERS 5734-E13, 5736-E11

This publication describes the Coursewriter III, Version 3 system. Included are comments on the value, range, and the capabilities of computer-assisted instruction systems in general, as well as descriptive material relating to the computing equipment and programming systems used.
Program product manual, 64 pages

SH20-0988

PROCEDURE LIBRARY - MATHEMATICS (PL-MATH)
OPERATIONS MANUAL, PROGRAM NUMBER 5734-XM3

This manual provides the user with preparatory and operating procedures for the PL-MATH library.
Program Product, 24 pages

SH20-0995

MINIPERT PROGRAM DESCRIPTION AND OPERATIONS MANUAL
PROGRAM NUMBER 5734-XP3

This manual contains detailed information for using the MINIPERT Program Product (5734-XP3).
Program Product Manual, 124 pages

SH20-0997

BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE) VERSION 2
PROGRAM DESCRIPTION MANUAL VOLUME 1: NARRATIVE
PROGRAM NUMBER 5736-F31

This manual contains a detailed description of the Brokerage Accounting System Elements (BASE) system from the point of view of the user. The BASE system is composed of a number comprehensive foundation for back office data processing applications in today's brokerage firm. Both the overall system and the individual programs are discussed in this volume, together with the production of, and printer layouts for, the more than 75 BASE reports associated with daily security activity.

Application areas covered by BASE include Purchase and Sale (P&S), Stock Record, Dividends, Bookkeeping, Interest, Customer Statements, and such critical Cashier functions as Fails and Transfers. The BASE system is general enough to permit various options and modifications to suit the individual requirements of a particular brokerage firm. However, the processing in the application areas is extensive so that most programs will require little or no modification by the typical brokerage firm.

This manual should be used in conjunction with Volume 2 (SH20-0998), which contains detailed information on the BASE system record layouts.
Program Product Manual, 360 pages

SH20-0998

BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE) VERSION 2
PROGRAM DESCRIPTION MANUAL VOLUME 2: RECORD LAYOUTS, PROG.
NO. 5736-F31

This manual is the second of two volumes comprising the Program Description Manual for the Brokerage Accounting System Elements (BASE) system. It contains principally a graphic description of the BASE system file records as produced by the processing programs described in the Program Description Manual, Volume 1 (SH20-0997). A glossary of field names used on the files is also provided.

The BASE system is composed of a number of closely foundation for back office data processing applications in today's brokerage firm. Volume 1 of this manual describes the overall BASE system, the individual processing programs, and the production of, and printer layouts for, the more

than 75 BASE reports associated with daily security activity.

Application areas covered by BASE include Purchase and Sale (P&S), Stock Record, Dividends, Bookkeeping, Interest, Customer Statements, and such critical Cashier functions as Fails and Transfers. The BASE system is general enough to permit various options and modifications to suit the individual requirements of a particular brokerage firm. However, the processing in the application areas is extensive so that most programs will require little or no modification by the typical brokerage firm. Program Product Manual, 296 pages

SH20-0999

BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE) VERSION 2 OPERATIONS MANUAL, PROG. NO. 5736-F31
This manual contains information on the generation and operation of the Brokerage Accounting System Elements (BASE) system. It is intended to be read in conjunction with the other documentation on the BASE system.

The BASE system comprises a number of closely inter-related programs that provide a comprehensive foundation for back office data processing applications in today's brokerage firm. Application areas covered by BASE include Purchase and Sales (P&S), Stock Record, Dividends, Bookkeeping, Interest, Customer Statements, and such critical Cashier functions as Fails and Transfers. The BASE system is general enough to permit various options and modifications to suit the individual requirements of a particular brokerage firm. However, the processing in the application areas is extensive so that most programs will require little or no modification by the typical brokerage firm.

The manual contains information that the user must take into account before doing a system generation for BASE. It also contains operational information for BASE system generation and daily operating procedures. A glossary and a sample problem are included at the end of the manual. Program Product Manual, 372 pages

GH20-1002

BUDGET ACCOUNTING INFORMATION SYSTEM (BACIS) FOR PUBLIC INSTITUTIONS - GENERAL INFORMATION MANUAL PROGRAM NUMBER 5736-G25

BASIC performs budget preparation and appropriation accounting applications for public institutions. This general information manual describes (1) the purpose, extent of coverage, and advantages offered by this program product; (2) the budget preparation and appropriation accounting features that have been implemented; (3) source data entry; (4) control and audit procedures; (5) data processing facilities; and (6) installation planning considerations. It provides customer executives, systems analysts, and programmers with the basic information they need regarding this program product. Manual, 104 pages

SH20-1007

INFORMATION MANAGEMENT SYSTEM/360 VERSION 2 MASTER INDEX PROGRAM NUMBER 5734-XX6

This is a consolidated alphabetic index to all the documents in the set of eleven IMS/360 Version 2 manuals. The titles of the individual manuals, along with abbreviated titles and order numbers, are as follows:
General Information Manual - GIM (GH20-0765)

System/Application Design Guide - SADG (SH20-0910)

Application Programming Reference Manual - APRM (SH20-0912)

System Programming Reference Manual - SPRM (SH20-0911)

Operator's Reference Manual OPRM (SH20-0913)

Utilities Reference Manual - UTRM (SH20-0915)

Messages and Codes Reference Manual - M & C (SH20-0914)

System Manual, Volume I - Text - SM (LY20-0629)

System Manual, Volume II - Flowcharts - SM-II (LY20-0630)

System Manual, Volume III - DP Microfiche - SM III (LYB0-0631)

System Manual, Volume IV - DC Microfiche - SM-IV (LYB0-0632)

The reader's attention is called to the fact that many of the commas in the index are used in the SORT program and do not necessarily indicate a reversal of word sequence. Program Product Manual, 60 pages

GH20-1008

CHECK PROCESSING CONTROL SYSTEM (CPCS) GENERAL INFORMATION MANUAL - PROGRAM PRODUCT 5734-F11

The IBM Check Processing Control System (CPCS) is designed to perform the processing functions associated with entry, distribution, and control of Magnetic Ink Character Recognition documents in commercial or Federal Reserve banks. Advanced check processing techniques are used to provide a system accommodating a wide range of check-

handling requirements. Control of data is maintained from the primary pass of items through preparation of cash letters and skill lists. A powerful data base facility permits user extension into related application areas such as proof of deposit and float analysis.

This publication describes the features of the IBM Check Processing Control System and is designed to give the reader an overall familiarity with the system without reference to program detail. Manual, 40 pages

SH20-1009

COURSEWRITER III, VERSION 3 AUTHOR'S GUIDE - OPERATING SYSTEM AND DISK OPERATING SYSTEM PROGRAM NUMBERS 5734-E13, 5736-E11

This publication describes the Coursewriter III, Version 3 language from an author's viewpoint. The language and author commands are presented in detail. Included with the description of each operation code and author command are examples of their use and possible error messages. Conversational sequences between computer and author are included for further assistance. Additional course facilities are also described, and examples of their use are given.

The reader with no prior Coursewriter III language experience is referred to Coursewriter III, Version 3 Student Text (GC20-1744). This publication is intended for use as a reference manual.

Experience with computers is not required to understand the information in this publication. However, new authors should receive instruction in the use of the terminal they are using before preparing course material.

Operational characteristics of all Coursewriter III, Version 3 terminals are contained in Coursewriter III, Version 3 Student/Monitor User's Guide (SH20-1010). Program product manual, 68 pages

SH20-1010

COURSEWRITER III, VERSION 3 STUDENT/MONITOR USER'S GUIDE OPERATING SYSTEM AND DISK OPERATING SYSTEM PROGRAM NUMBERS 5734-E13, 5736-E11

This publication describes Coursewriter III, Version 3, terminals as used with the Coursewriter III system.

The publication contains necessary information for the student and monitor to use the terminals to receive course material from the computer and to monitor results. Also described are the standard terminal features and operation. Program product manual, 36 pages

SH20-1011

COURSEWRITER III, VERSION 3 SUPERVISOR'S GUIDE OPERATING SYSTEM AND DISK OPERATING SYSTEM PROGRAM NUMBERS 5734-E13, 5736-E11

This publication describes operations to be performed by the Coursewriter III system supervisor. These include:

- o An introduction section describing supervisor operations
- o Complete descriptions of all supervisor commands including examples and command sequences
- o An IBM terminal code table

The publication is intended for use as a reference manual and assumes prior Coursewriter III knowledge. Program product manual, 48 pages

SH20-1012

COURSEWRITER III, VERSION 3 OPERATOR'S GUIDE DISK OPERATING SYSTEM - PROGRAM NUMBERS 5736-E11

This publication describes operations to be performed by the Coursewriter III system console operator. These include:

- o A brief section on system components with a sample machine configuration
- o A detailed step-by-step procedure to prepare the Coursewriter III, Version 3 System
- o IBM terminal line code and EBCDIC tables

Prior knowledge of Disk Operating System and Basic Telecommunications Access Method operating procedures is assumed.

Program product manual, 36 pages

SH20-1015

ELECTRONIC CIRCUIT ANALYSIS PROGRAM II (ECAP II) FOR THE IBM OPERATING SYSTEM AND 1130 COMPUTING SYSTEM PROGRAM DESCRIPTION MANUAL, PROG. NOS. 5734-EE1, 5711-EE1

ECAP II is an IBM program which performs DC and transient analysis of linear and nonlinear electronic circuits. It provides a user-oriented input language that permits a circuit designer to describe a circuit using familiar electrical terminology.

This manual is intended for the program user (circuit designer). It contains a general description of the program's capabilities and a detailed description of the input language. A description of the mathematical techniques employed by the program is provided in the appendix.

Program product manual, 164 pages

SH20-1016

CONSOLIDATED FUNCTIONS ORDINARY II SYSTEM (CFOII)
OPERATIONS MANUAL - PROGRAM NUMBER 5736-N13

This manual presents the information required to set up the Consolidated Functions Ordinary II (CFO II) system and to execute the CFO II programs. This system operates under (1) the IBM System/360 Model 20 TPS (Tape Programming System), (2) IBM System/360 Model 20 DPS (Disk Programming System), (3) IBM System/360 DOS (Disk Operating System), (4) IBM System/360 OS (Operating System), or (5) Compatible System/370's. The CFO II programs are presented in the suggested running sequence. Suggestions for integrating user programs with CFO II are also made. The information applicable to all CFO II programs is presented once at the beginning of this manual. Following that information is a control card description, and console operating, message, error, restart, and external control information for each CFO II program under TPS/DPS, DOS, and OS. Operating instructions for the CFO II maintenance utility program are also in this manual.

Program Product Manual, 148 pages

SH20-1017

CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII)
UTILITY PROGRAM DESCRIPTION MANUAL
PROGRAM NUMBER 5736-N13

The CFO II maintenance utility program maintains CFO II source programs and CFO II macros on tape. This program is written entirely in Assembler Language.

The CFO II conversion utility program reformats data tapes processed by '62 CFO to the format processed by CFO II. This program is written entirely in DOS Assembler Language.

Program Product Manual, 44 pages

GH20-1021

OS/MVT WITH RESOURCE SECURITY INSTALLATION AND SYSTEM
PROGRAMMERS GUIDE - PROGRAM NUMBER 360A-SV-007

This publication contains information relating to the installation of the IBM Resource Security System (RSS) with OS/360 MVT and methods necessary to interface RSS to a terminal environment.

Additional information is provided to aid the System Programmer in performing those services which might be requested by the Security Office.

Type I Extension Program Publication Manual, 168 pages

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SH20-1022

COURSEWRITER III/OS VERSION 3 - OPERATOR'S GUIDE
PROGRAM NUMBER 5734-E13

This publication describes operations to be performed by the Coursewriter III System console operator. These include:

1. A brief section on system components with a sample machine configuration.
2. A detailed step-by-step procedure to prepare and install the Coursewriter III, Version 3 System.
3. Job control language example sequences. The notation used in these sequences may require change to accommodate the user's installation. Refer to IBM System/360 Operating System Job Control Language Reference (GC28-6704).
4. Code table for terminals.

Prior knowledge of Operating System and Basic Telecommunications Access Method operating procedures is assumed.

Manual, 40 pages

SH20-1024

CONSOLIDATED FUNCTIONS ORDINARY II (CFO II)
PROGRAM DESCRIPTION MANUAL - VOLUME I
PROCESSING DESCRIPTION - PROGRAM NUMBER 5736-N13

The purpose of this manual is to provide sufficient information to enable the user to understand the concepts, input, output, and processing of the Consolidated Functions Ordinary II (CFO II) system.

The CFO II system represents a successfully proven information systems approach to the maintenance, processing, and servicing of individual life insurance contracts. This manual provides the information required to understand the functions of CFO II and considerations for its implementation. It is also designed to serve as a guide to the user of other CFO II documentation.

Processing Description, Volume I of the program description manual, contains a system-oriented description of CFO II and serves as an installation guide. Volume II, the Policy Master Record Code Book, contains a detailed description of the contents of the policy master record. Volume III, Miscellaneous Program Data, contains formats and descriptions of frequently used input and output records and associated rate files.

Program Product Description Manual, 160 pages

SH20-1025

ELECTRONIC CIRCUIT ANALYSIS PROGRAM II (ECAP II) FOR THE IBM
OPERATING SYSTEM - OPERATIONS MANUAL
PROGRAM NUMBER 5734-EE1

This manual contains procedures for installing and operating the Electronic Circuit Analysis Program II (ECAP II). In addition, instructions are given for adding user-written subprograms, and diagnostic messages are explained.

Program product manual, 108 pages

GH20-1027

STAT/BASIC FOR SYSTEM/3 AND ITF - GENERAL INFORMATION MANUAL
PROGRAM NUMBERS 5703-XA1, 5734-XA3

STAT/BASIC is a comprehensive set of interactive statistical programs for System/3 Model 6 and ITF (DOS, OS, or TSO). It consists of 40 BASIC programs, providing the user with procedures for data generation, elementary statistics, regression and correlation analysis, multivariate analysis, analysis of variance, nonparametric statistics, time series analysis, and biostatistics. The interactive features include instructional messages, flexible control of calculations, extensive error checking, and data editing.

This manual provides an overview of STAT/BASIC, describing the program features, usage, maximum problem sizes, precision, timing, system requirements, and customer responsibilities. It also includes a sample problem to illustrate the use of STAT/BASIC.

Manual, 40 pages

GH20-1028

CUSTOMER INFORMATION CONTROL SYSTEM (CICS) DOS-ENTRY
(CICS/DOSE) DOS-STANDARD (CICS/DOSS) OS-STANDARD V2
(CICS/OS) GENERAL INFORMATION MANUAL
PROGRAM NUMBERS 5734-XX7, 5736-XX6, 5736-XX7

The IBM Customer Information Control System (CICS) is a Transaction-oriented, multiapplication data base/data communication interface between a System/360 or System/370 operating system and user-written application programs. Applicable to most online systems, CICS provides many of the facilities necessary for standard terminal applications: message switching, inquiry, data collection, order entry, and conversational data entry.

CICS is available in three systems--two for DOS users and one for OS USERS. Because the two CICS/DOS systems are compatible with each other and with the CICS/OS system, it is possible to start with a small DOS data base/data communication configuration and move up through DOS into OS.

This manual is designed for persons interested in a general description of CICS and its data base/data communication capabilities.

Manual, 84 pages

GH20-1029

CP-67/CMS VERSION 3.1: OPERATING SYSTEMS IN A VIRTUAL
MACHINE, PROG. NO. 360D-05.2.005

General guidelines for running S/360 operating systems under CP-67 are discussed in this manual. The main orientation is toward OS/360, although some other systems characteristics the CP-67 utility programs MINIDASD and SAVEOS.

This document is directed toward system programmers, and assumes knowledge of OS/360 as well as CP-67/CMS.

Manual, 48 pages

SH20-1030

IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2)
PROGRAM DESCRIPTION MANUAL, VOLUME 1: SYSTEM OVERVIEW
AND CONTROL - PROGRAM PRODUCT MANUAL
PROGRAM NUMBER 5734-XX1

The IBM Generalized Information System, Version 2, abbreviated GIS/2, consists of an integrated set of programs to provide general-purpose information handling. User input statements initiate and direct the system functions of creating, querying, and maintaining formatted data files variously structured. GIS routines are completely coded in the Assembler Language and operate under the overall control of OS with MFT or MVT.

This manual is presented in three volumes, the first of which describes the GIS monitor program and the capabilities associated with it. Data Description (file definition) facilities and Procedural Language facilities are specified in Volumes 2 and 3, respectively.

Program Product Manual, 40 pages

GH20-1031

IBM OPERATING SYSTEM FILING AND SOURCE DATA ENTRY
TECHNIQUES FOR EASIER RETRIEVAL - MULTITHREAD (OS FASTER MT)
GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5734-G21

OS FASTER MT is a generalized set of macros and a tele-processing monitor which aid in and simplify the implementation of a teleprocessing system. Terminals supported are IBM 1050, 2740, 2260R, and 2265. The system incorporates facilities for installing inquiry, update, message routing, and data entry applications. OS FASTER MT employs a set of macro instructions that generate the line thereby eliminating the need for a detailed knowledge of BTAM. This macro-instruction capability makes the system adaptable to a wide variety of applications. The program is designed to operate in a minimum main storage allocation of 120K bytes on a Model 40GF or larger System/360, or on a Model 135GF or larger System/370.

The principal features are described, along with a discussion of the system design. Planning information is provided to assist in determining the applicability of

OS FASTER MT to any particular operational environment.
Program Product Manual, 40 pages

Securities Order Matching.
Program Documentation, 40 pages

SH20-1032

IBM GENERALIZED INFORMATION SYSTEM, VERSION 2 (GIS/2) OPERATIONS MANUAL - PROGRAM NUMBER 5734-XX1
This manual addresses operations personnel intending to run the Generalized Information System, Version 2 (GIS/2), under the Operating System with Multiprogramming with a Fixed Number of Tasks or Multiprogramming with a Variable Number of Tasks. Contents include SYSGEN procedures, execution procedures, and diagnostic messages available to the system user.
Program Product Manual, 160 pages

SH20-1040

GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) VOLUME 2: DATA DESCRIPTION LANGUAGE - PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5734-XX1
This volume specifies the format and content of computer input statements defining data files to be processed. Data description language facilities are discussed in a sequence generally corresponding to a system user's need for those facilities. Descriptive language statements are illustrated as input lines in keyword format representative of punched-card fields.
Program Product Manual, 148 pages

SH20-1033

GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) VOLUME 3, PROCEDURAL LANGUAGE - PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5734-XX1
This manual describes the executive-information handling capabilities of statements written in the procedural language of the Generalized Information System, Version 2 generic statement formats, examples, and detailed constraints specify the syntax and use of the various task statements.

Although the abbreviated title GIS/2 refers formally to version 2 of an earlier GIS release, the expressions GIS and GIS/2 are synonymous as they may appear herein.
Program Product Manual, 148 pages

SH20-1041

PLANNING SYSTEMS GENERATOR II (PSG II) OPERATIONS MANUAL - PROGRAM NUMBER 5734-XT1
Planning Systems Generator II (PSG II) gives the user the plans. It offers the user a simple method for organizing planning data, establishing computational logic to be applied to the data, and for generating data displays and reports.

PSG II may be applied to the solution of planning problems for financial management and also for any division or department of a company with a planning function such as personnel or manpower allocations, marketing projections, short-range budgeting, etc.

This Operations Guide provides the information needed to install and operate PSG II.
Manual, 36 pages

SH20-1034

CUSTOMER INFORMATION CONTROL SYSTEM (CICS) OPERATIONS GUIDE - PROGRAM NUMBERS DOS-ENTRY 5736-XX6 DOS-STANDARD 5736-XX7

The IBM Customer Information Control System (CICS) is a highly responsive, transaction-oriented, multiapplication data base/data communication interface between a System/360 or System/370 operating system and user-written application programs. In addition to the functions required for inquiry and conversational data entry, this open-ended, table-controlled, event-driven system provides many of the facilities necessary for standard terminal applications such as message switching, broadcasting, data collection, and order distribution.

CICS is available in three systems--two for DOS users and one for OS users. Because the two CICS/DOS systems are compatible with each other and with the CICS/OS system, it is possible to start with a small data base/data communication configuration and move up through DOS into OS.

This manual provides information of interest to persons responsible for the definition, preparation, and execution of CICS. Included is the information necessary to generate and operate CICS.
Manual, 80 pages

SH20-1042

PLANNING SYSTEMS GENERATOR II (PSG II) PROGRAM REFERENCE MANUAL - PROGRAM NUMBER 5734-XT1
Planning Systems Generator II (PSG II) gives the user the means to rapidly produce and evaluate a variety of financial plans. It offers a simple method for organizing planning data, for establishing computational logic to be applied to the data, and for generating displays and reports.

PSG II may be applied to the solution of planning problems for financial management and also for any division or department of a company with planning responsibilities such as personnel or manpower allocations, marketing projections, short-term budgeting, etc.

This manual describes the functions provided by PSG II and explains their use. It also includes information for writing planning logic programs in the FORTRAN programming language. A more detailed description of FORTRAN may be found in the IBM Programmed Instruction Texts, FORTRAN IV for IBM System/360 (R29-0080 through R29-0087).
Program Product Manual, 144 pages

GH20-1035

PLANNING SYSTEM GENERATOR II (PSGII) GENERAL INFORMATION MANUAL PROGRAM NUMBER 5734-XT1

Planning Systems Generator II (PSGII) gives the user the means to rapidly produce and evaluate a variety of financial plans. It offers the user a simple method for organizing planning data, establishing computational logic to be applied to the data, and for generating data displays and reports.

PSG II may be applied to the solution of planning problems for financial management and also for any division or department of a company with a planning function (such as, personnel or manpower allocations, marketing projections, short-range budgeting, etc.).

This manual contains an introduction to RSG II, as well as a discussion of PSG II capabilities, usage, required systems, reference material, and a sample problem. The PSG II OS and the PSG II DOS programs have virtually the same capabilities. The minimum partition size requirement has been reduced from 130K in the OS program to 100K in the DOS program. In order to achieve this reduction for the DOS program, it was necessary to reduce the number of data lines that can be processed. Also, some facilities of the OS program were deleted or modified for the DOS program.
Program Product Manual, 24 pages

SH20-1043

CUSTOMER INFORMATION CONTROL SYSTEM (CICS) SYSTEM PROGRAMMER'S REFERENCE MANUAL PROGRAM NUMBERS DOS-ENTRY 5736-XX6, DOS-STANDARD 5736-XX7, OS-STANDARD V2 5734-XX7

The IBM Customer Information Control System (CICS) is a transaction-oriented, multiapplication data base/data communication interface between a System/360 or System/370 operating system and user-written application programs. Applicable to most on-line systems, CICS provides many of the facilities necessary for standard terminal applications: message switching, inquiry, data collection, order entry, and conversational data entry.

CICS is available in three systems--two for DOS users and one for OS users. Because the two CICS/DOS systems are compatible with each other and with the CICS/OS system, it is possible to start with a small data base/data communication configuration and move up through DOS into OS.

This manual provides information essential for persons who have the responsibility to define, prepare, and administer CICS in the environment it supports.
Manual, 220 pages

SH20-1044

CUSTOMER INFORMATION CONTROL SYSTEM (CICS) TERMINAL OPERATOR'S GUIDE - PROGRAM NUMBERS DOS-ENTRY 5736-XX6, DOS-STANDARD 5736-XX7, OS-STANDARD V2 5734-XX7

The IBM Customer Information Control System (CICS) is a transaction-oriented, multiapplication data base/data communication interface between a System/360 or System/370 operating system and user-written application programs. Applicable to most on-line systems, CICS provides many of the facilities necessary for standard terminal applications: message switching, inquiry, data collection, order entry, and conversational data entry.

CICS is available in three systems--two for DOS users and one for OS users. Because the two CICS/DOS systems are compatible with each other and with the CICS/OS system, it is possible to start with a small data base/data communications configuration and move up through DOS into OS.

This manual provides information of interest to persons involved with terminal operation. These persons include terminal operators, terminal supervisors, master terminal operators, application programmers, system programmers, and

GH20-1039

SECURITIES ORDER MATCHING GENERAL INFORMATION MANUAL PROGRAM NUMBER 5734-F32

The Securities Order Matching program product provides the brokerage industry System/360 or System/370 user with on-line, automatic recording and matching of most security orders and executions. In addition, off-line processing functions generate input to purchases and sales (P&S) accounting systems and order room, branch office, stock exchange floor, and customer reports.

Securities Order Matching operates with the IBM program product, Telecommunications Control System (TCS), under the full Operating System (OS) in a multiprogramming environment. Its flexibility facilitates the addition of user routines and/or programs to tailor the system to individual requirements.

This manual describes the purpose and functions of

system administration.
Manual, 52 pages

SH20-1047

CUSTOMER INFORMATION CONTROL SYSTEM DOS - ENTRY (CICS
DOS - STANDARD (CICS/DOSS) OS - STANDARD VERSION 2 (CICS/OS)
APPLICATION PROGRAMMER'S REFERENCE MANUAL
PROGRAM NUMBERS 5736-XX6, 5736-XX7, 5734-XX7

The IBM Customer Information Control System (CICS) is a transaction-oriented, multiapplication data base/data communication interface between a System/360 or System/370 operating system and user-written application programs. Applicable to most online systems, CICS provides many of the facilities necessary for standard terminal applications: message switching, inquiry, data collection, order entry, and conversational data entry.

CICS is available in three systems--two for DOS users and one for OS users. Because the two CICS/DOS systems are compatible with each other and with the CICS/OS system, it communication configuration and move up through DOS into OS.

This manual provides information of interest to persons defining, designing, and preparing application programs to execute under CICS.
Program product manual, 184 pages

SH20-1048

CUSTOMER INFORMATION CONTROL SYSTEM (CICS) OPERATING SYSTEM
STANDARD VERSION 2 OPERATIONS GUIDE
PROGRAM NUMBER 5734-XX7

The IBM Customer Information Control System (CICS) is a transaction-oriented, multiapplication data base/data communication interface between a System/360 or System/370 operating system and user written application programs. In addition to the functions required for inquiry and conversational data entry, this open-ended, table-controlled, event-driven system provides many of the facilities necessary for standard terminal applications such as message switching, broadcasting, data collection, and order distribution.

CICS is available in three systems - two for DOS users and one for OS users. Because the two CICS/DOS systems are compatible with each other and with the CICS/OS system, it is possible to start with a small data base/data communication configuration and move up through DOS into OS.

This manual provides information of interest to persons responsible for the definition, preparation, and execution of CICS. Included is the information necessary to generate and operate CICS.
Manual, 52 pages

SH20-1051

IBM DISK OPERATING SYSTEM FILING AND SOURCE DATA ENTRY
TECHNIQUES FOR EASIER RETRIEVAL - MULTITHREAD
(DOS FASTER MT) PROGRAM DESCRIPTION
PROGRAM NUMBER 5736-G24

FASTER MT is a programming system for retrieving data from indexed-sequential and direct access files, and for maintaining such files by means of remote or local terminal devices. The system procedures are adaptable to a wide variety of applications. FASTER MT incorporates a macro-language which provides for writing message-processing programs on a functional level.

Through use of the Basic Telecommunications Access Method, FASTER MT provides line control to support a communication network consisting of combinations of IBM 1050 and IBM 2740-1 or 2740-2 typewriter terminals, and the IBM 2260/2265 display terminals.

FASTER MT operates as a standard multitasking job in a single partition under DOS, using a minimum of 80K bytes, on a System/360 or System/370.

This manual describes the FASTER MT system environment and components. Included are detailed macro instruction descriptions and user considerations concerning backup/recovery, hardware, and documentation aids.
Program Product Manual, 282 pages

SH20-1052

IBM DISK OPERATING SYSTEM FILING AND SOURCE DATA ENTRY
TECHNIQUES FOR EASIER RETRIEVAL - MULTITHREAD
(DOS FASTER MT) OPERATIONS MANUAL - PROGRAM NUMBER 5736-G24

This publication contains a description of the procedures necessary to implement FASTER MT in a test or online environment. Initialization of system files, linkage editing options, and system messages are discussed in addition to the maintenance transaction, which is included with the program.

Program Product Manual, 48 pages

SH20-1053

IBM FASHION REPORTER, PROGRAM DESCRIPTION MANUAL,
PROGRAM NUMBER 5736-D11

IBM Fashion Reporter is designed to assist the retail merchant in maintaining accurate inventory records and producing basic merchandising reports. The reports produced are (1) stock status, (2) style page, (3) class/priceline, and (4) aging.

The user controls the level of detail for the stock records and the reporting criteria. This program product (5736-D11) is intended primarily for fashion/softgoods

merchandise reporting.

IBM Fashion Reporter consists of a group of programs for implementation on the IBM System/360 using the Disk Operating System or on a System/370 subject to the compatibility constraints announced for the System/370.

This program description manual includes a general description of the programs, machine configuration, general system charts, and sample reports. A general discussion of the retail environment is included. The manual is intended for use in planning for and implementing this program product. The audience includes retail merchandise management and data processing personnel.
Program Description Manual, 196 pages

SH20-1054

IBM FASHION REPORTER, OPERATIONS MANUAL
PROGRAM NUMBER 5736-D11

This operations manual provides instructions and guidance for operating the programs in the IBM Fashion Reporter. The major components of the manual describe (1) preparatory information and procedures, (2) operations, and (3) retrieving the programs from the distribution tape, initializing the system, and running the sample problem.
Operations Manual, 41 pages

GH20-1057

OS/MVT WITH RESOURCE SECURITY, SECURITY OFFICER'S GUIDE
PROGRAM NUMBER 360A-SV-007

This publication describes the functions of a security officer in interfacing with the Resource Security System, a modularized extension of the IBM OS/MVT.

The Resource Security System monitors the users of the system, terminals, programs, volumes, and data sets to which they require access during the execution of their jobs.

The manual has four sections. The first contains the general concepts of the Security Officer Commands; the second describes how the Security System is installed and used; the third contains command descriptions; and the fourth lists messages and completion codes for the system.
Type I Extension Program Manual, 212 pages

GH20-1058

RESOURCE SECURITY (FOR OS/MVT)-GENERAL INFORMATION AND
PLANNING MANUAL, PROG. NO. 360A-SV-007

This manual describes the Resource Security feature to Operating System/360-MVT. The feature has been developed to provide an improved capability for the protection of information stored in and processed by computers. In addition to descriptive information of a general nature, this manual provides an overview of the installation process to aid the planning for Resource Security.
Type I Extension Program Publication Manual, 36 pages

GH20-1066

PROBLEM LANGUAGE ANALYZER (PLAN) PROGRAM REFERENCE MANUAL
PROGRAM NUMBERS 1130-CX-25X, 360A-CX-27X

This system provides users with application development support in the areas of:

- o User-oriented language processing
- o Dynamic job supervision
- o Diagnostic control and generation
- o Input/output control
- o Utility functions

A small subset of the PLAN system may be utilized to provide elementary development support. Subsets may be added on an incremental basis as needed until comprehensive use of the system is attained.

This manual is intended to provide rules for use of the system and technical specifications defining the scope of applicability. It is intended to serve as a user's and implementer's reference. Requirements are specified. Use of all other components is to be considered optional.
Application Program Bulletin Manual, 200 pages

SH20-1067

SYSTEM/360 OPERATING SYSTEM REQUIREMENTS PLANNING
EXTENSIONS (PROGRAMMING RPQ EA6264) - PROGRAM DESCRIPTION
AND OPERATIONS MANUAL - PROGRAM NUMBER 5799-AA7

The OS Requirements Planning Extensions are a modification to the OS/360 Requirements Planning program product (5734-M51). The extensions add capabilities and improve the performance of the program product.

This manual contains the description of the Requirements Planning Extensions. It includes:

1. A discussion of the extensions
2. A description of the input/output files
3. Detailed discussions of the macros
4. Preparatory and operating procedures for the programs

The audience for this manual includes systems analysts and programmers.
Programming RPQ (Program Product) Manual, 64 pages

SH20-1069

STAT/BASIC FOR SYSTEM/3 AND INTERACTIVE TERMINAL FACILITY
PROGRAM REFERENCE - PROGRAM NUMBERS 5703-XA1, 5734-XA3

STAT/BASIC is a comprehensive set of interactive statistical programs for System/3 Model 6 and ITP. It consists of 40

BASIC programs, providing the user with procedures for data generation, elementary statistics, regression and correlation analysis, multivariate analysis, analysis of variance, non-parametric statistics, time series analysis, and biostatistics. The interactive features include instructional messages, flexible control of calculations, extensive error checking, and data editing.

This manual provides the details of the STAT/BASIC programs. It covers scope and characteristics, processing descriptions, terminal operation, input/output description, program description, system requirements, and program modification aids.

In this manual, ITF refers to DOS-ITF, OS-ITF, and TSO-ITF.
Manual, 220 pages

SH20-1070

STAT/BASIC FOR INTERACTIVE TERMINAL FACILITY OPERATIONS GUID
PROGRAM NUMBER 5734-XA3

This manual provides the information needed to generate, run, and maintain STAT/BASIC.
Program Product Manual, 20 pages

GH20-1074

INTERACTIVE QUERY FACILITY (IQF) FOR IMS/360 VERSION 2
PROGRAM NUMBER 5734-XX6 - GENERAL INFORMATION MANUAL
The Interactive Query Facility (IQF) is provided as a feature for users of the IBM Information Management System (IMS/360) Version 2, Program Product 5734-XX6. IQF offers the capability for spontaneous online query capability, and retrieval and display of data maintained within IMS/360 teleprocessing data bases. IQF runs as a standard IMS/360 application program under IMS/360 Version 2 and uses standard IMS/360 resources for describing data, accessing data, and communicating with the user's terminal.

This manual provides a general description of IQF and its various facilities and programs, describes the IQF query language and the required IQF-IMS/360 machine configurations, and includes sample applications (examples of terminal queries that a user might employ).

IQF operates with all System/360 and System/370 computers supported by IMS/360 version 2. All references to IMS/360 Version 2 in this manual assume Modification Level 1 or higher, with the full Data Base/Data Communication System.

This manual has been prepared for both data processing and non-data processing management and personnel. Knowledge of the information contained in the IMS/360 Version 2 General Information Manual (GH20-0765) will be helpful in understanding the relationship of IQF to IMS.
Program Product Manual, 54 pages

SH20-1075

BILL PROCESSOR SYSTEMS - IMS/360 BRIDGE
PROGRAM DESCRIPTION MANUAL - PROGRAM NUMBER 5734-XX9

This program product generates programs that convert bill processor system files to Information Management System/360 (IMS/360) Version 2 (5734-XX6) Data Base System, and that allow use of existing programs, with little or no modification, to access the converted data bases. The system provides elements to perform the following functions:

- o Unload the bill processor system files into a format suitable for loading as IMS/360 data bases.
- o Load the unloaded bill processor system files as IMS/360 hierarchic direct data bases.
- o Permit access to the IMS/360 data bases from existing bill processor system programs. Existing programs may be reimplemented with little or no modification.

Bill Processor Systems - IMS/360 Bridge supports migrations from System/360 Bill of Material Processor (360A-ME-06X), System/360 Data Base Organization and Maintenance Processor (5736-XX4), and Chained File Management System of OS/360 Requirements Planning (5734-M51).

This manual contains both a general and detailed description of the elements of this program product. Input and output to the programs are described in detail. Execution of the sample problem is explained.

The purpose of this manual is to provide sufficient information to enable the user to completely understand the functions of the system and of the programs constituting the system, and to prepare for and install the system. The reader should be familiar with the Bill Processor System - IMS/360 Bridge Application Description Manual (GH20-0961). Knowledge of the concepts and terminology discussed in the Information Management System/360 Version 2 General Information Manual (GH20-0765) is a prerequisite to an understanding of this manual.
Program Product Manual, 80 pages

SH20-1076

BILL PROCESSOR SYSTEMS - IMS/360 BRIDGE, OPERATIONS
MANUAL - PROGRAM NUMBER 5734-XX9

The Bill Processor Systems - IMS/360 Bridge consists of the programs necessary to convert bill processor system files to IMS/360 data bases and to access the converted data bases. The elements which make up the Bill Processor Systems - IMS/360 Bridge are as follows: the descriptor generator, the conversion generator, the unload module general source code, the load program general source code, the interface

generator and the interface module general source code.

Bill Processor Systems - IMS/360 Bridge supports migrations from System/360 Bill of Material Processor (360A-ME-06X), System/360 Data Base Organization and Maintenance Processor (5736-XX4), and Chained File Management System of OS/360 Requirements Planning (5734-M51).

This manual contains the job control language and operating instructions required to perform the following functions of the Bill Processor Systems IMS/360 Bridge:

- o Creation of the descriptor file, the DBDGEN utility control statements, and the file description report.
- o Generation of the unload modules, load programs, and PSBGEN utility control statements required for conversion of the bill processor system files to IMS/360 data bases.
- o Execution of the programs to unload the bill processor system files to IMS/360 hierarchic sequential data bases.
- o Execution of the IMS/360 utilities and load programs to create the IMS/360 hierarchic direct data bases.
- o Generation of the interface modules required by the existing bill processor system programs to access the IMS/360 data bases.
- o Execution of the bill processor system programs under IMS/360.

Manual, 44 pages

SH20-1081

FARE QUOTE/TICKETING STUDENT STUDY GUIDE
PROGRAM NUMBER 5736-T11

This manual is intended to be used as a learning tool by anyone interested in acquiring an understanding of the Fare Quote/Ticketing Program Product.
Guide, 108 pages

SH20-1089

AN APL TEXT EDITOR AND COMPOSER PROGRAM DESCRIPTION/
OPERATIONS MANUAL - PROGRAM NUMBER 5796-PAC

This manual contains directions for the use of this system. It includes a general description of the procedures required, narrative description of each of the steps, summary tables for reference, and illustrations reproducing both the instruction that a user might employ and the results that such instructions would produce.

This manual is intended for use by a wide range of users, including both the authors of papers or letters who may employ the system as a partial substitute for secretarial services, and secretaries or other general users without experience in computing. It is written in non-technical language requiring no familiarity at all with the APL programming language, and only minimal familiarity with the APL/360 time-sharing system.
Program Description/Operations Manual, 91 pages

SH20-1092

APL/PDTS PROGRAMMING DEVELOPMENT TRACKING SYSTEM (PDTS):
PROGRAM DESCRIPTION/OPERATIONS MANUAL IUP PROG #5796-PAD

This 64 page document describes the capabilities of the IUP and the programs of the APL/PDTS Programming Development Tracking System - PDTS. Written in APL 360 OS/DOS, this system was developed to provide data to assist the user in tracking project schedules, costs and in making comparative analysis with minimal user interaction. It operates on the principle that the distribution of resource utilization or expenditure often follows an observed pattern with respect to time.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Program Description/Operations Manual, 64 pages

SH20-1094

FLIGHT DATA DISPLAY SYSTEM INSTALLATION GUIDE
PROGRAM NUMBER 5796-PAE

This manual provides a procedure to install the Flight Data Display System in a PARS (Programmed Airline Reservation System) environment.
Guide, 20 pages

SH20-1095

FLIGHT DATA DISPLAY SYSTEM OPERATORS MANUAL
PROGRAM NUMBER 5796-PAE

This manual describes the job control and steps required to provide the non-real-time functions of the Flight Data Display System. It is intended to be a supplement to an Airline's operating procedures.
Guide, 18 pages

SH20-1096

FLIGHT DATA DISPLAY SYSTEM USERS GUIDE
PROGRAM NUMBER 5796-PAE

This manual provides a guide to an agent using the Flight Data Display System. It is intended to serve as an adjunct to an Airline's operating and procedures manual.
Guide, 32 pages

- SH20-1101 *N
LOADFLOW PLOTTING SYSTEM, VARIBUS CORP. A GULF STATES
UTILITY COMPANY SUBSIDIARY - PROGRAM DESCRIPTION/OPERATIONS
MANUAL - IUP NUMBER 5796-AAF
 No abstract available.
 Manual, 64 pages
- SH20-1103 *N
S/360 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE COMPUTING
(MUSIC) PROGRAM DESCRIPTION OPERATIONS MANUAL - IUP NUMBER
5796-AAT
 MUSIC is a time-sharing system that offers a wide variety of facilities in a cost effective environment. It offers many languages and features normally found in larger systems. By combining the full functions of multiple languages and interactive capabilities with demonstrable dependability, MUSIC has proved to be multipurpose high-performance in the Educational Area. For instance, it is currently being used by large city-wide school and university installations in addition to commercial and governmental organizations.
 The Program Description section contains information on determining CPU and terminal configurations, installation standards and procedures, and library requirements and restrictions. The Operations section of the manual contains information to assist in generating the system, and establishing procedures concerning backup, restart, and creation and maintenance of MUSIC libraries.
 Manual
- SH20-1104 *N
S/360-S/370 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE
COMPUTING (MUSIC) USER'S GUIDE - IUP NUMBER 5796-AAT
 MUSIC is a time-sharing system that offers a wide variety of facilities in a cost effective environment. It offers many languages and features normally found in larger systems. By combining the full functions of multiple languages and interactive capabilities with demonstrable dependability, MUSIC has proved to be a multipurpose high-performance system suitable for many types of operations, particularly in the Educational Area. For instance, it is currently being used by large city-wide school and university installations in addition to commercial and governmental organizations.
 This manual provides a general description of MUSIC as well as information on remote terminal setup and operation, MUSIC command language, job processing, processors, and a sample terminal session.
 Manual
- SH20-1105 *N
DATA DICTIONARY/DIRECTORY SYSTEM, WITH CMIS DATA ELEMENT
GLOSSARY - PROGRAM DESCRIPTION OPERATIONS MANUAL - IUP
NUMBER 5796-PAG
 No abstract available.
 Manual, 200 pages
- SH20-1112 *N
CONSOLIDATED FUNCTIONS EQUITY PRODUCTS VARIABLE ANNUITIES,
MUTUAL FUNDS DATAMANN, INC. - SUBSIDIARY OF HORACE MANN
EDUCATORS SPRINGFIELD, ILLINOIS
PROGRAM DESCRIPTION/OPERATIONS MANUAL
PROGRAM NUMBER 5796-AAP
 This manual contains a detailed description of the individual programs that make up the Consolidated Functions Equity Products Installed User Program. It is intended to provide the user with information on how to generate the system.
 Manual, 420 pages
- SH20-1114 *N
SCRIPT/370 - PROGRAM DESCRIPTION/OPERATION MANUAL - IUP
NUMBER 5796-PAF
 This manual describes an IBM internally-developed program called SCRIPT/370. This program executes as a command of the Conversational Monitor System (CMS), a component of VM/370. SCRIPT/370 is a successor to SCRIPT, a text processing Type III program supplied with CP-67/CMS. Through the facilities of SCRIPT/370, text files developed using the CMS Editor may be formatted in single or multiple-columns, justified or ragged, and with automatic pagination. Additional facilities of the SCRIPT processor permit accepting input from a terminal during processing, the inclusion of other SCRIPT files, and extensive top and bottom title (i.e., running head and foot) capabilities. Other formatting and control is facilitated by special symbols that may be substituted for frequently-used control work sequences or used to generate tables of contents.
 Manual, 141 pages
- SH20-1115 *N
S/360-S/370 YALE ALUMNI RECORDS DATA SYSTEM (YARDS) PROGRAM
DESCRIPTION OPERATIONS MANUAL - IUP NUMBER 5796-ABE
 YARDS is an alumni fund raising system with solicitation and donation history files. It has a command language for non data processing people to manipulate the files for solicitation purposes. It can be used by a wide range of fund raising organizations.
 Manual, 390 pages
- SH20-1117 *N
CYCLE-TIME SIMULATOR SYSTEM - PROGRAM DESCRIPTION/OPERATIONS
MANUAL - IUP NUMBER 5796-PBG
 This manual describes the functional capabilities of the Cycle Time Simulator System which allows management of a manufacturing facility to analyze the allocation of the resources of a manufacturing line. This manual is also an installation and operations reference document.
 Manual, 216 pages
- SH20-1118 *N
ADVANCED STATISTICAL ANALYSIS PROGRAM (ASTAP) PROGRAM
REFERENCE MANUAL - IUP NUMBER 5796-PBH
 This program provides engineers with a powerful tool for use in the design and reliability analysis of linear and nonlinear electrical networks. Although ASTAP is oriented primarily toward the analysis of electronic circuits, it can also be used to simulate any physical system which can be represented by a network model. The program can be used for performing DC and AC steady-state as well as transient analysis. In addition, a Monte Carlo statistical simulation can be performed in conjunction with DC, AC, or transient analysis to predict the effect of component variations on network performance. A common user-oriented input language is provided for describing the network to be analyzed in any of the above modes.
 This manual includes an introduction, general description, language (input/output) description and sample problems.
 Manual
- SH20-1119 *N
ADVANCED STATISTICAL ANALYSIS PROGRAM (ASTAP)
OPERATIONS GUIDE - IUP NUMBER 5796-PBH
 This program provides engineers with a powerful tool for use in the design and reliability analysis of linear and nonlinear electrical networks. Although ASTAP is oriented primarily toward the analysis of electronic circuits, it can also be used to simulate any physical system which can be represented by a network model.
 The program can be used for performing DC and AC steady-state as well as transient analysis. In addition, a Monte Carlo statistical simulation can be performed in conjunction with DC, AC, or transient analysis to predict the effect of component variations on network performance. A common user-oriented input language is provided for describing the network to be analyzed in any of the above modes.
 This Operations Guide provides the operating information including descriptions of the distribution tape, system generation, JCL descriptions and error messages.
 Manual, 66 pages
- SH20-1122 *N
IBM WAREHOUSE SIMULATOR PROGRAM DESCRIPTION/OPERATIONS
MANUAL - IUP NUMBER 5796-PBK
 This manual describes the functional capabilities of the Automated Storage and Retrieval System which provides the user with maximum utilization of storage facilities and quick response to material requests. The ASRS/360 program is written in FORTRAN IV and operates under OS/360. This manual describes how to use ASRS/360 in designing a storage facility. This manual is also an installation and operations reference document.
 Manual, 20 pages
- SH20-1123 *N
IBM MULTIPLANT SOURCING PROGRAM DESCRIPTION/OPERATIONS MANUAL
IUP NUMBER 5796-PBL
 IBM Multi-Plant Sourcing is a group of computer programs designed to assist the plants of a multi-plant company in determining the best sources of subproducts manufactured in its plants. The programs develop alternative sourcing decisions taking into consideration such factors as work load, duty and taxes, balance of trade, and export of dollars. This manual describes the system as a whole and then describes the individual programs that make up the system. These descriptions include installation and operations information. Also included in the manual is a description of a sample sourcing problem and the solutions to this problem that were provided by IBM Multi-Plant Sourcing.
 Manual, 156 pages
- GH20-1128 *N
MATH/BASIC FOR SYSTEM/3 AND INTERACTIVE TERMINAL FACILITY
(ITF) GENERAL INFORMATION MANUAL - PROGRAM NUMBERS
5703-XM2, 5734-XM8
 MATH/BASIC provides easy to use powerful mathematics problem-solving tools to the user of BASIC. The program operates on the IBM System/3 Model 6 or under the Interactive Terminal Facility (ITF) of the IBM 360/270 (OS, DOS, and TSO). It consists of 40 BASIC routines covering the solution of linear equations, matrix eigenproblems, polynomial equations, numerical quadrature, numerical differentiation, interpolation, approximation, smoothing, solution of systems of ordinary differential equations, fast Fourier transform, and special functions.
 The user can employ any of these programs as stand-alone or can merge one or more of them into his own programs. The

modules of MATH/BASIC can be applied to many problems that occur in science, engineering, and related fields.

This manual provides an overall view of MATH/BASIC. It describes the program features, usage, maximum problem size, precision, timing, system requirements, and customer responsibilities. Examples are included to illustrate the use of the program.

Program Product Manual, 28 pages

GH20-1129

EPIC SOCRATES STUDENT SCHEDULING SYSTEM FOR EDUCATIONAL INSTITUTIONS - PROGRAM PRODUCT GENERAL INFORMATION PROGRAM NUMBER 5735-E91

The EPIC SOCRATES program product represents a comprehensive systems approach to the student scheduling tasks of educational institutions. The package consists of a series of interrelated programs which provide for the allocation of educational resources required for the generation of the master schedule of classes, assignment of students to the master schedule classes, and the update of these records with changes required to the assigned classes. The features provided by the program cover the needs of a variety of educators, from those employing traditional scheduling patterns to those who have gone to highly flexible, modular schedules.

Manual, 44 pages

GH20-1134

FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) GENERAL INFORMATION MANUAL - PROGRAM NUMBERS 5795-AAA (OS MESSAGE SWITCHING) 5795-AAB (OS EQUIPMENT CONTROL) 5795-AAC (DOS MESSAGE SWITCHING) 5795-AAD (DOS EQUIPMENT CONTROL)

Fast Information Retrieval for Surface Transportation (FIRST) is an advanced teleprocessing system operating under CICS, designed to provide the operations management of a motor freight carrier with timely and accurate information.

FIRST Message Switching provides the facility of point-to-point and multidestination routing, group broadcasting, resend and reroute capability, conversational edit and error correction and multi-buffer message support. Modifications to CICS include implementation of a reusable transient data queue and a checkpoint/warm restart capability.

FIRST Equipment Control provides real-time reporting of every departure and arrival of linehaul equipment. Inquiries and reports provide timely information regarding equipment location and status.

This manual contains a general description of the system and the systems approach taken. It is intended to introduce the reader to the system and to serve as a guide for early planning.

Manual, 72 pages

GH20-1135

FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) OPERATIONS MANUAL - PROGRAM NUMBER 5795-AAA (OS MESSAGE SWITCHING)

Fast Information Retrieval for Surface Transportation (FIRST) is an advanced teleprocessing system operating under CICS, designed to provide the operations management of a motor freight carrier with timely and accurate information.

FIRST Message Switching provides the facility of point-to-point and multidestination routing, group broadcasting, resend and reroute capability, conversational edit and error correction and multi-buffer message support. Modifications to CICS include implementation of a reusable transient data queue and a checkpoint/warm restart capability.

This manual provides computer and master terminal operating procedures.

Manual 80 pages

SH20-1136

FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST), SYSTEM PROGRAMMER'S - REFERENCE MANUAL PROGRAM NUMBER 5795-AAA (OS MESSAGE SWITCHING)

Fast Information Retrieval for Surface Transportation (FIRST) is an advanced teleprocessing system operating under CICS, designed to provide the operations management of a motor freight carrier with timely and accurate information.

FIRST Message Switching provides the facility of point-to-point and multidestination routing, group broadcasting, resend and reroute capability, conversational edit and error correction and multi-buffer message support. Modifications to CICS include implementation of a reusable transient data queue and a checkpoint/warm restart capability.

This manual provides the system programmer with the technical information required to understand and install the FIRST Message Switching System.

Manual, 48 pages

SH20-1137

FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) - TERMINAL OPERATOR'S MANUAL - PROGRAM NUMBERS 5795-AAA (OS MESSAGE SWITCHING) 5795-AAC (DOS MESSAGE SWITCHING)

Fast Information Retrieval for Surface Transportation (FIRST) is an advanced teleprocessing system operating under CICS, designed to provide the operations management of a motor freight carrier with timely and accurate information.

FIRST Message Switching provides the facility of point-to-point and multidestination routing, group broadcasting, resend and reroute capability, conversational edit and error correction and multi-buffer message support. Modifications to CICS include implementation of a reusable transient data queue and a checkpoint/warm restart capability.

This manual provides information regarding message format and terminal operating procedures.

Manual, 44 pages

LH20-1138

FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) - PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 5795-AAA (OS MESSAGE SWITCHING)

Fast Information Retrieval for Surface Transportation (FIRST) is an advanced teleprocessing system operating under CICS, designed to provide the operations management of a motor freight carrier with timely and accurate information.

FIRST Message Switching provides the facility of point-to-point and multidestination routing, group broadcasting, resend and reroute capability, conversational edit and error correction and multi-buffer message support. Modifications to CICS include implementation of a reusable transient data queue and a checkpoint/warm restart capability.

This manual provides descriptions and flowcharts for the FIRST Message Switching programs.

Manual, 224 pages

GH20-1139

FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) - FILE DESCRIPTION MANUAL - PROGRAM NUMBERS 5795-AAA (OS MESSAGE SWITCHING)

Fast Information Retrieval for Surface Transportation (FIRST) is an advanced teleprocessing system operating under CICS, designed to provide the operations management of a motor freight carrier with timely and accurate information.

FIRST Message Switching provides the facility of point-to-point and multidestination routing, group broadcasting, resend and reroute capability, conversational edit and error correction and multi-buffer message support. Modifications to CICS include implementation of a reusable transient data queue and a checkpoint/warm restart capability.

This manual provides descriptions and record layouts for all input and output files used by the FIRST Message Switching system.

Manual, 62 pages

SH20-1146

IBM OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL MULTITHREAD (OS FASTER MT) OPERATIONS GUIDE - PROGRAM NUMBER 5734-G21

This publication contains a description of the procedures necessary to implement FASTER MT in a test or on-line environment. Initialization of system files, linkage-editing options, and system messages are discussed in addition to the maintenance transaction that is included with the program.

Program Product Manual

SH20-1147

IBM OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL MULTITHREAD (OS FASTER MT) PROGRAM NUMBER 5734-G21

FASTER MT is a programming system for retrieving data from indexed-sequential and direct access files, and for maintaining such files, by means of remote or local terminal devices. The system procedures are adaptable to a wide variety of applications. FASTER MT incorporates a macro language that provides for writing message processing programs on a functional level.

Through use of the Basic Telecommunications Access Method, FASTER MT provides line control to support a communication network consisting of combinations of IBM 1050 and IBM 2740-1, two typewriter terminals, and the IBM 2260/2265 remote display terminals.

FASTER MT operates as a standard multitasking job in a single MVT region or MFT partition under OS, using a minimum of 120K bytes on a System/360 or System/370.

This manual describes the FASTER MT system environment and components. Included are detailed macro instruction descriptions and user considerations concerning backup/recovery, hardware, and documentation aids.

Program Product Manual

GH20-1148

PROPERTY AND LIABILITY INFORMATION SYSTEM ENHANCEMENTS PLANNING MANUAL - PROGRAM NUMBERS 5736-N24 AND 5736-N25

This manual provides a planning guide for the PALIS Automobile and Homeowners Enhancements program products. It contains a narrative description of each of the enhancements functions for both Automobile and Homeowners. A description of the policy master file conversion program is also included to offer a method of converting existing user files to the format required by the enhancements. COBOL data divisions are included in the appendices for all formats that are now or have been changed.

Manual, 68 pages

SH20-1150

BUDGET ACCOUNTING INFORMATION SYSTEM (BACIS)
PROGRAM PRODUCT - OPERATOR'S GUIDE - PROGRAM NUMBER 5736-G25
 This publication contains a description of the procedures necessary to implement the Budget Accounting Information System (BACIS). Initialization of system files and error messages are discussed in addition to the operating considerations.
 Manual, 84 pages

SH20-1151

BUDGET ACCOUNTING INFORMATION SYSTEM (BACIS) FOR PUBLIC INSTITUTIONS: PROGRAM PRODUCT REFERENCE MANUAL
PROGRAM NUMBER 5736-G25
 BACIS is a budget preparation and appropriation accounting information system for public institutions. This program reference manual is intended to be used in preparing for the installation of this IBM program product. It describes the detailed concepts, design, inputs, outputs, processing methods, and operational uses provided for within the system implementation. It provides executives, accounting personnel, operating department personnel, the systems analyst, and the programmer with the information they need to evaluate, experiment with, and plan for the installation of this IBM program product.
 Manual, 224 pages

GH20-1152

RCA 301 EMULATOR ON SYSTEM/370 USING DOS AND DOS/VS (PRPQ) - TRANSITION GUIDE, PROG. NO. 5799-ADR
 This publication presents areas for consideration while planning and implementing the transition from the Honeywell Series 200 to the IBM System/370 Models 135 and 145. It is intended as an aid to management in making a total project plan.
 The transition plan discusses the objectives and techniques of transition, schedules, file conversion, program conversion, education, and installation standards. The guide also discusses the use of DOS resources and the differences between a Honeywell system and a IBM System/370.
 Because of the differences among data processing installations, the guidelines in this publication should be adjusted to fit the reader's particular operating conditions.
 Manual, 40 pages

GH20-1153

HONEYWELL SERIES 200 EMULATOR ON SYSTEM/370 USING DOS AND DOS/VS (PRPQ) - TRANSITION GUIDE, PROG. NO. 5799-ADT
 This publication presents areas for consideration while planning and implementing the transition from the RCA 301 to the IBM System/370 Models 135 and 145. It is intended as an aid to management in making a total project plan.
 The transition plan discusses the objectives and techniques of transition, schedules, file conversion, program conversion, education, and installation standards. The guide also discusses the use of DOS resources and the differences between an RCA system and an IBM System/370.
 Because of the differences among data processing installations, the guidelines in this publication should be adjusted to fit the reader's particular operating conditions.
 Manual, 40 pages

SH20-1154

MARKETABLE SECURITIES INVENTORY SYSTEM, PROGRAMMING RPQ MB4259, PROGRAM REFERENCE MANUAL - PROG. NO. 5799-ABY
 The Marketable Securities Inventory System provides the ability to automate the handling of an investment securities portfolio. This programming RPQ is available on special quotation only (see inside front cover). It includes facilities for edit, update, and audit control of all input data relating to the portfolio. Input to the system includes interest income, security market values, trades, and tax adjustments. The system produces reports summarizing activity, portfolio status and performance, and various income and tax accounting information.
 This manual contains the description of the programs, input/output, and what must be done to implement this application. It also contains a user's guide and a discussion of the formulas used in the programs.
 The audience for this manual includes traders, investment personnel, system analysts, and programmers.
 Manual, 256 pages

SH20-1155

MARKETABLE SECURITIES INVENTORY SYSTEM PROGRAMMING RPQ MB4259 - PROGRAM NUMBER 5799-ABY OPERATIONS GUIDE
 The Marketable Securities Inventory System enables management to automate the handling of an investment securities portfolio. This Programming RPQ is available on special quotation only (see inside front cover).
 The Programming RPQ includes facilities for edit, edit, update, and audit control of all input data relating to the portfolio. Input to the system includes interest income, security market values, trades, and tax adjustments. The system produces reports summarizing activity, portfolio

status and performance, and various income and tax accounting information.

This manual contains information required by operating personnel to process jobs for the Marketable Securities Inventory System. It includes instructions for preparation of all I/O units and for each program, program setup, operating instructions, and program message list.

The audience for this manual includes systems analysts, programmers, and operations personnel.

The Programming RPQ described in this manual and all licensed materials available for it are provided by IBM on a special quotation basis only, under the terms of the License Agreement for IBM Program Products. Your local IBM branch office can advise you regarding the special quotation and ordering procedures.
 Manual, 60 pages

SH20-1157

MATH/BASIC PROGRAM PRODUCT FOR ITF - OPERATOR'S GUIDE
PROGRAM NUMBER 5734-XM8
 This manual provides the information needed to install, run, and maintain MATH/BASIC. It is assumed that the user has an installed ITF system.
 Manual, 36 pages

SH20-1158

MATH/BASIC FOR SYSTEM/3 MODEL 6 AND INTERACTIVE TERMINAL FACILITY (ITF) - PROGRAM PRODUCT REFERENCE MANUAL
PROGRAM NUMBERS 5703-XM2 (S/3 MODEL 6) 5734-XM8 (ITF-OS, DOS AND TOS)
 MATH/BASIC is a library of 44 conversational routines covering the most frequent mathematical problems in engineering and science. This manual contains sufficient information needed to understand and use MATH/BASIC.
 Manual

SH20-1159

REGISTERED REPRESENTATIVE SYSTEM PROGRAMMING OVERVIEW
PROGRAM NUMBER 5734-F34
 The IBM Registered Representative System program product provides the brokerage industry System/370 user with online communication to the IBM 3670 Brokerage Communication System to perform his major tasks of following the NYSE and ASE tickers, receiving current displays of security quotations and the leading market indicators, and monitoring on a continuing basis all movements of an individually selected list of securities. The Registered Representative System supports rapid inquiry and response into a securities opinion data base and a customer account data base providing the current research opinions, customer holdings, and customer balances. In addition, it allows the entry of orders, inquiry into the status of an order, and distribution of order execution reports directly to the registered representative using the IBM 3670 terminal.
 The Registered Representative System operates with the following IBM programs under the full Operating System in a multiprogramming environment:
 Telecommunications Control System (TCS)
 Telecommunications Access Method (TCAM)
 Customer Information Control System (CICS)
 Inquiries and orders entered by the registered representative on his 3672 Executive Console are transmitted over the firm's teleprocessing network to its central computer from the 3671 Shared Terminal Control Unit. Inquiry responses and order verifications are returned to his 3673 Data Display while hard copy printouts of inquires, execution reports, and administrative messages are routed to the 3674 Printer-Keyboard servicing his terminal.
 Manual, 14 pages

GH20-1160

REGISTERED REPRESENTATIVE SYSTEM GENERAL INFORMATION MANUAL
PROGRAM NUMBER 5734-F34
 This manual describes the IBM Registered Representative System program product which provides the brokerage industry System/370 user with online communication to the IBM 3670 Brokerage Communication System. The program allows the registered representative (RR) to rely on the IBM 3670 terminal to perform his major tasks of following the NYSE and ASE tickers, receiving current displays of security quotations and the leading market indicators, and monitoring on a continuing basis movements of an individually selected list of securities. The Registered Representative System support rapid inquiry and response into a Securities Opinion Data Base and a Customer Account Data Base providing the current research opinions, customer holdings, and customer balances. In addition, it allows the entry of orders, inquiry into the status of an order, and distribution of order execution reports directly to the registered representative using the IBM 3670 terminal.
 Manual, 64 pages

GH20-1163

(CPS) CONVERSATIONAL PROGRAMMING SYSTEM BASIC TERMINAL USER'S MANUAL - PROGRAM NUMBER 360D-03.4-016
 The Conversational Programming System (CPS) is a time-sharing system which runs in a partition of the IBM System/360 Operating System MFT II or MVT. It gives remote terminal users an interactive problem solving facility using

modified subsets of either the PL/I or BASIC languages.

This publication is a complete reference manual for the terminal user of the BASIC language under CPS. It contains descriptions of:

- o How to call the computer from a terminal
- o The CPS BASIC language
- o CPS BASIC built-in functions
- o Methods for program optimization
- o BASIC terminal error messages

Type III Class A Manual, 184 pages

SH20-1164

PLANNING SYSTEMS GENERATOR II (PSG II) DOS OPERATOR'S GUIDE PROGRAM PRODUCT 5736-XT1

Planning Systems Generator II (PSG II) DOS gives the user the means to rapidly produce and evaluate a variety of financial plans. It offers a simple method for organizing planning data, for establishing computational logic to be applied to the data, and for generating data displays and reports.

PSG II may be applied to the solution of planning problems for financial management and also for any division or department of a company with planning responsibilities such as personnel manpower allocations, marketing projections, budget planning, etc.

This operations guide describes the procedures required to install and operate PSG II.
Manual, 28 pages

SH20-1166

FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) SYSTEM PROGRAMMER'S REFERENCE MANUAL - PROGRAM PRODUCT 5795-AAC (DOS MESSAGE SWITCHING)

Fast Information Retrieval for Surface Transportation (FIRST) is an advanced teleprocessing system operating under CICS, designed to provide the operations management of a motor freight carrier with timely and accurate information.

FIRST Message Switching provides the facility of point-to-point and multi-destination routing, group broadcasting, resend and reroute capability, conversational edit and error correction and multi-buffer message support. Modifications to CICS include implementation of a reusable transient data queue and a checkpoint/warm restart capability.

This manual provides the system programmer with the technical information required to understand and install the FIRST Message Switching System.
Manual, 60 pages

SH20-1167

FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) OPERATIONS MANUAL - PROGRAM PRODUCT 5795-AAC (DOS MESSAGE SWITCHING)

Fast Information Retrieval for Surface Transportation (FIRST) is an advanced teleprocessing system operating under CICS, designed to provide the operations management of a motor freight carrier with timely and accurate information.

FIRST Message Switching Provides the facility of point-to-point and multi-destination rerouting, group broadcasting, resend and reroute capability, conversational edit and error correction and multi-buffer message support. Modifications to CICS include implementation of a reusable transient data queue and a checkpoint/warm restart capability.

This manual provides computer and master terminal operating procedures.
Manual, 52 pages

LH20-1168

FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) PROGRAM LOGIC MANUAL - PROGRAM PRODUCT 5797-AAC (DOS MESSAGE SWITCHING)

Fast Information Retrieval for Surface Transportation (FIRST) is an advanced teleprocessing system operating under CICS, designed to provide the operations management of a motor freight carrier with timely and accurate information.

FIRST Message Switching provides the facility of point-to-point and multi-destination routing, group broadcasting, resend and reroute capability, conversational edit and error correction and multi-buffer message support. Modifications to CICS include implementation of a reusable transient data queue and a checkpoint/warm restart capability.

This manual provides descriptions and flowcharts for the FIRST Message Switching programs.
Manual, 204 pages

SH20-1169

FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) FILE DESCRIPTION MANUAL - PROGRAM PRODUCT 5795-AAC (DOS MESSAGE SWITCHING)

Fast Information Retrieval for Surface Transportation (FIRST) is an advanced teleprocessing system operating under CICS, designed to provide the operations management of a motor freight carrier with timely and accurate information.

FIRST Message Switching provides the facility of point-to-point and multi-destination routing, group broadcasting, resend and reroute capability, conversational edit and error correction and multi-buffer message support. Modifications to CICS include implementation of a reusable transient data queue and a checkpoint/warm restart capability.

This manual provides descriptions and record layouts for all input and output files used by the FIRST Message Switching system.
Manual, 64 pages

GH20-1170

INTERACTIVE TRAINING SYSTEM - GENERAL INFORMATION MANUAL PROGRAM NUMBER 5734-XXC

The IBM Interactive Training System provides a real-time training environment utilizing available IBM Data Base/Data Communications Systems.

For users of the IBM Information Management System/360 V2 and the Customer Information Control System OS-STANDARD V2, the IBM Interactive Training System supports the IBM Coursewriter III language and a unique Course Structuring feature. Computer assisted instruction can now be available for individualized instruction in the operational environment of a terminal-oriented, data base system.

This manual includes descriptions of the Interactive Training System facilities, the Course Structuring feature, and the Coursewriter III language for implementation planning purposes.
Manual, 102 pages

GH20-1171

SYSTEM/370 DISTRIBUTED SYSTEM PROGRAM (S/370 DSP) GENERAL INFORMATION MANUAL, PROG. NO. 360A-TX-022

System/370 Distributed System Program (S/370 DSP) provides the means for operating an IBM System/370 connected to one or more System/7's as a single system with distributed facilities. This manual describes the support that is available to the user of the S/370 DSP. Included are descriptions of the subroutines, available to programs resident in System/370, and the macros, available to programs resident in System/7.
Manual, 44 pages

GH20-1173

IBM SYSTEM/360 AND SYSTEM/370 ASP VERSION 3 ASYMMETRIC MULTI PROCESSING SYSTEM: GENERAL INFORMATION MANUAL, PROG. NO. 360A-CX-15X

The ASP system is a multiprocessing operating system that provides a compatible extension to the Operating System (OS). Designed for the user with a large computer job shop environment, ASP provides increased automation of the computing operation. The ASP system functions as a programmed operator of OS. It provides advanced scheduling facilities for optimizing the total installation production.
Manual, 52 pages

SH20-1174

PLANNING SYSTEMS GENERATOR II (PSG II) DOS - PROGRAM REFERENCE MANUAL - PROGRAM PRODUCT 5736-XT1

Planning Systems Generator II (PSG II) DOS gives the user the means to rapidly produce and evaluate a variety of financial plans. It offers a simple method for organizing planning data, for establishing computational logic to be applied to the data, and for generating displays and reports.

PSG II may be applied to the solution of planning problems for financial management and also for any division or department of a company with planning responsibilities such as personnel or manpower allocations, marketing projections, budget planning, etc.

This manual describes the functions provided by PSG II and explains their use. It also includes information for writing planning logic programs in the FORTRAN programming language. A more detailed description of FORTRAN may be found in the IBM Programmed Instruction Texts, FORTRAN IV for IBM System/360 (R26-0080 through R29-0087).
Manual, 140 pages

GH20-1175

BUSINESS ANALYSIS/BASIC FOR SYSTEM/3 BASIC AND SYSTEM/360 AND SYSTEM/370 INTERACTIVE TERMINAL FACILITY GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5703-XX3, 5734-XXB

Business Analysis/BASIC is a comprehensive set of interactive routines for use on the System/3 Model 6, and on System/360 or System/370 with ITF (DOS, OS, or TSO). It consists of 30 routines written in the BASIC language, providing the problem-solving professional with procedures for data generation and maintenance, spread sheet analysis, investment analysis, break-even or cost-volume-profit analysis, depreciation analysis, and time series analysis. The program is designed so that a detailed knowledge of programming is not required. Interactive features include instructional messages, flexible control of calculations, extensive error checking and data editing.

This manual provides an overview of Business Analysis BASIC describing the program features, data file concepts, usage, maximum problem sizes, precision, timing, system requirements, and customer responsibilities.
Manual, 60 pages

SH20-1177

PLANNING GUIDE FOR THE PL/1 QUERY SUPPORT FEATURE OF GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) PROGRAM NUMBER 5734-XX1

This document describes the use and characteristics of the DL/I (Data Language I) Query Support Feature of the Generalized Information System, Version 2 (GIS/2). This feature provides the means by which a person can employ the GIS query language against DL/I data bases of Information Management System/360, Version 2 (IMS).

Manual, 32 pages

GH20-1179

HEALTH CARE SUPPORT/ACCOUNTING SYSTEM & DATA COMMUNICATIONS: GENERAL INFORMATION MANUAL, PROG. NO. 5746-H14 (DOS/VS)
No abstract available.
Manual, 108 pages

LH20-1182

FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 5795-AAB, AND 5795-AAD (OS AND DOS EQUIPMENT CONTROL)
Fast Information Retrieval for Surface Transportation (FIRST) is an advanced teleprocessing system operating under CICS, designed to provide the operations management of a motor freight carrier with timely and accurate information. FIRST Equipment Control provides real-time reporting of every departure and arrival of linehaul equipment. Inquiries and reports provide timely information regarding equipment location and status.
This manual provides descriptions and flowcharts for the FIRST Equipment Control programs.
Manual, 512 pages

SH20-1183

FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) SYSTEM PROGRAM REFERENCE MANUAL - PROGRAM NUMBER 5795-AAD - (DOS EQUIPMENT CONTROL)
Fast Information Retrieval for Surface Transportation (FIRST) is an advanced teleprocessing system operating under CICS, designed to provide the operations management of a motor freight carrier with timely and accurate information. FIRST Equipment Control provides real-time reporting of every departure and arrival of linehaul equipment. Inquiries and reports provide timely information regarding equipment location and status.
This manual provides information useful to the system programmer to integrate the Equipment Control function with a currently operational Message Switching System.
Manual, 116 pages

SH20-1184

FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) SYSTEM PROGRAM REFERENCE MANUAL - PROGRAM NUMBER 5795-AAB (OS EQUIPMENT CONTROL)
Fast Information Retrieval for Surface Transportation (FIRST) is an advanced teleprocessing system operating under CICS, designed to provide the operations management of a motor freight carrier with timely and accurate information. FIRST Equipment Control provides real-time reporting of every departure and arrival of linehaul equipment. Inquiries and reports provide timely information regarding equipment location and status.
This manual provides information useful to the systems programmer to integrate the Equipment Control function with a currently operational Message Switching System.
Manual, 102 pages

SH20-1185

FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) OPERATIONS MANUAL - PROGRAM NUMBER 5795-AAB (OS EQUIPMENT CONTROL)
Fast Information Retrieval for Surface Transportation (FIRST) is an advanced teleprocessing system operating under CICS, designed to provide the operations management of a motor freight carrier with timely and accurate information. FIRST Equipment Control provides real-time reporting of every departure and arrival of linehaul equipment. Inquiries and reports provide timely information regarding equipment location and status.
This manual provides computer and master terminal operating procedures.
Manual, 128 pages

SH20-1186

FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) FILE DESCRIPTION MANUAL - PROGRAM NUMBERS 5795-AAB AND 5795-AAD (OS AND DOS EQUIPMENT CONTROL)
Fast Information Retrieval for Surface Transportation (FIRST) is an advanced teleprocessing system operating under CICS, designed to provide the operations management of a motor freight carrier with timely and accurate information. FIRST Equipment Control provides real-time reporting of every departure and arrival of linehaul equipment. Inquiries and reports provide timely information regarding equipment location and status.
This manual describes the files and records of the FIRST Equipment Control System.
Manual, 248 pages

SH20-1187

FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) TERMINAL OPERATOR'S MANUAL - PROGRAM NUMBERS 5795-AAB, AND 5795-AAD (OS AND DOS EQUIPMENT CONTROL)
Fast Information Retrieval for Surface Transportation (FIRST) is an advanced teleprocessing system operating under CICS, designed to provide the operations management of a motor freight carrier with timely and accurate information. FIRST Equipment Control provides real-time reporting of every departure and arrival of linehaul equipment. Inquiries and reports provide timely information regarding equipment location and status.
This manual provides information regarding message format and terminal operating procedures.
Manual, 122 pages

*N GH20-1188

ALPHA SEARCH INQUIRY SYSTEM, GENERAL INFORMATION MANUAL (PROGRAM NUMBER 5736-N14)
The Alpha Search Inquiry System is a set of five programs that create, maintain, reorganize and display a file containing customer names and all associated record numbers. Depending on the user's applications, these record numbers are account numbers, claim numbers, contract numbers, part numbers, etc. Thus a single alpha search record can point to multiple records on other files.
A phonetic encoding technique is used to reduce the problems of sound-alike and misspelled names associated with record retrieval. The Alpha Search Inquiry System also provides the ability to reduce the number of retrievals on common names through the use of secondary identifiers and a degree of likeness concept.
The inquiry program runs as an application program under CICS/DOS-ENTRY (5736-XX6), CICS/DCS-STANDARD (5736-XX7), or CICS/CS-STANDARD Version 2 (5734-XX7), and is capable of being multitasked along with other CICS applications. The other programs constituting this system run under the control of DOS or OS.
This manual includes a general description of the capabilities of the Alpha Search Inquiry System and introduces information that can be included in the record. Customer, programming system, and minimum machine requirements are also included.
Manual, 50 pages

GH20-1190

HEALTH CARE SUPPORT/LABORATORY INFORMATION SYSTEM: GENERAL INFORMATION MANUAL, PROG. NO. 5746-H12 (DOS/VS)
The Health Care Support/Laboratory Information System provides data processing support for hospital clinical laboratories. Operating under the Health Care Support/Accounting System programs, the program process batched input of laboratory requisitions and test results, producing laboratory reports for use throughout the hospital.
This publication describes the features of the Health Care Support/Laboratory Information System and is designed to give the reader an overall knowledge of the system without reference to program detail.
Manual, 32 pages

SH20-1195

FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) OPERATIONS MANUAL - PROGRAM NUMBER 5795-AAD (DOS EQUIPMENT CONTROL)
Fast Information Retrieval for Surface Transportation (FIRST) is an advanced teleprocessing system operating under CICS, designed to provide the operations management of a motor freight carrier with timely and accurate information. FIRST Equipment Control provides real-time reporting of every departure and arrival of linehaul equipment. Inquiries and reports provide timely information regarding equipment location and status.
This manual provides computer and master terminal operating procedures.
Manual, 164 pages

SH20-1197

CPS UNDER TSO TERMINAL USERS MANUAL (PRPQ) - PROGRAM NUMBER 5799-ADY
No abstract available.
Manual, 280 pages

SH20-1198

CPS UNDER TSO BASIC TERMINAL USERS MANUAL (PRPQ) - PROGRAM NUMBER 5799-ADY
No abstract available.
Manual, 200 pages

SH20-1199

CPS UNDER TSO OPERATOR'S GUIDE (PRPQ) - PROGRAM NUMBER 5799-ADY
No abstract available.
Manual, 88 pages

GH20-1207

TELECOMMUNICATIONS CONTROL SYSTEM (TCS) CONCEPTS AND FACILITIES MANUAL - PROGRAM PRODUCT 5734-F31

This manual describes the IBM Telecommunications Control System (TCS) Program Product which is a station-and-message control program with easy-to-use complex communication services and with access to a wide variety of standard online application programming services.

TCS runs under OS on a System/360 or 370, and uses, modifies, and enhances TCAM while contributing some line controls, a message handling language, reliability features, operator control and retrieval programs, and other functions. This manual covers all major functions under which TCS/TCAM support line speeds up to 50,000 bits per second and various line controls including full-duplex, half-duplex, and freewheeling. Stations supported include: keyboard printers, video display stations, audio units, concentrators, and other CPU's. TCS/TCAM handles messages for switching, data collection, remote printing, inquiry, conversational file updating, time sharing, executive query, and so on.

Concurrently, they can handle different types of terminals, applications, and message types. Each entity can be assigned different options for buffering, line control, queuing (main storage or disk), message handling, and restart. Message handling, consisting of routing and optional header analysis, is specified by the user via a high-level language.

TCS/TCAM can simultaneously handle messages for application programs running under other control programs (CICS, TSO GIS), and those directly using OS. Any station can access any application. TCS can reside in multiple CPU's connected by leased lines. Any station connected to any CPU can both switch messages to the stations and access the applications of another CPU, all operations being subject to user-designated controls.

References to CICS in this manual are valid after December 1972.

Manual, 320 pages

*N SH20-1217

INTERACTIVE TRAINING SYSTEM SUPERVISOR'S GUIDE - PROGRAM NUMBER 5734-XXC

No abstract available.
Manual, 60 pages

SH20-1219

DATA/360 - II CONSOLE OPERATOR'S GUIDE - PROGRAM NUMBER 5734-XS8

No abstract available.
Manual, 124 pages

GH20-1220

DATA/360 - II GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5734-XS8

No abstract available.
Manual, 36 pages

SH20-1221

DATA/360 - II TERMINAL OPERATOR'S GUIDE - PROGRAM NUMBER 5734-XS8

No abstract available.
Manual, 92 pages

GH20-1222

INTERACTIVE QUERY FACILITY (IQF) INTRODUCTION LANGUAGE GUIDE PROGRAM NUMBER 5734-XX6

No abstract available.
Manual, 28 pages

GH20-1223

IQF TERMINAL USERS REFERENCE GUIDE (INTERACTIVE QUERY FACILITY) (IMS/360) - PROGRAM NUMBER 5734-XX6

No abstract available.
Manual, 40 pages

SH20-1208

TELECOMMUNICATIONS CONTROL SYSTEM (TCS) PROGRAMMER'S GUIDE AND REFERENCE MANUAL - PROGRAM PRODUCT 5734-F31

This manual tells the user who to construct and modify a TCS message control program and TCS-compatible application programs. It explains the TCS-provided sample MCP, the differences between TCS and TCAM, and any TCAM functional restrictions caused by TCS modifications. The TCS retrieval and operator control facilities and the edit application program are fully explained and illustrated. The manual should be used in parallel with the OS/MFT and OS/MVT TCAM Programmer's Guide (GC30-2024). References in this manual to the Customer Information Control System (CICS) are valid after December 1972.

Manual, 320 pages

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SH20-1224

SECURITIES ORDER MATCHING PROGRAM REFERENCE MANUAL - PROGRAM NUMBER 5734-F32

This manual contains detailed information on the functions and use of Securities Order Matching (SOM). It describes SCM system concepts, inputs, outputs, and processing methods from the point of view of the user, and contains information to assist the user in preparing for and installing the program.

Securities Order Matching operates in a multiprogramming environment under the Telecommunications Control System (TCS) and the full Operating System (OS). It provides brokerage industry users with online, automatic recording and matching of security orders and executions. Using one or more 2260 Display Stations, exceptions clerks are provided a means for rapid communications with the SOM offline processing generates to resolve problems. After market close, offline processing generates wire and order room reports, produces input to Purchase and Sales wire and order room reports, produces input to Purchase and Sales (P&S), and provides input to optional user-written programs and reports.

Manual, 283 pages

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SH20-1209

TELECOMMUNICATIONS CONTROL SYSTEM (TCS) OPERATIONS GUIDE, PROGRAM NUMBER 5734-F31

This Operations Guide provides TCS installation and operations information. The installation information includes general information about installing teleprocessing systems and specific considerations for installing the Telecommunications Control System. The operations portion of the manual covers both systems generation and day-to-day operation.

Among the subjects covered in the discussion of day-to-day operations are the creation of a securities symbol table, the execution of the TCS message control program, and restart capabilities. Operator control commands and command responses, including those for the order edit application program, are also provided. Finally, there is a section describing main storage requirements.

Manual, 152 pages

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SH20-1225

SECURITIES ORDER MATCHING OPERATIONS GUIDE - PROGRAM NUMBER 5734-F32

This manual contains procedures for preparing and operating the Securities Order Matching (SOM) program product. It includes system preparation and generation, and discusses possible user modifications, data preparation, and file initialization. It gives procedures for both online and offline operation.

The manual does not contain operating procedures for the SOM exceptions terminals; for these, refer to the Scope Operations Guide, SH20-1226.

Manual, 137 pages

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SH20-1213

INTERACTIVE TRAINING SYSTEM COURSE AUTHORING GUIDE - PROGRAM NUMBER 5734-XXC

No abstract available.
Manual, 156 pages

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GH20-1226

SECURITIES ORDER MATCHING SCOPE OPERATIONS GUIDE - PROGRAM NUMBER 5734-F32

This manual contains procedures for operating the Securities Order Matching (SOM) scope terminals (IBM 2260 Display Stations) in order to resolve matching exceptions and to aid in maintaining accurate, current SOM files during daily operation. Each terminal provides for human intervention during daily normal operation. This facility is used when the system cannot internally match a cancel or execution to an open order or when it makes a bid implicit match. The terminal operator (exceptions clerk) at the 2260 Display Station (scope) resolves these exceptions through access to the SOM files. In addition, the terminals provide a visual link between the SOM files and the order room, exchange floors, and branch offices.

This manual presents a brief description of the 2260 Display station and describes procedures for signon, process selection, information retrieval (IR), data input (DI), and exceptions processing (XP) from the terminal. Typical displays from each of these activities, as well as system status displays, are illustrated and explained.

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SH20-1214

INTERACTIVE TRAINING SYSTEM OPERATIONS GUIDE - PROGRAM NUMBER 5734-XXC

No abstract available.
Manual, 64 pages

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SH20-1215

INTERACTIVE TRAINING SYSTEM TERMINAL USER'S GUIDE - PROGRAM NUMBER 5734-XXC

No abstract available.
Manual, 36 pages

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SH20-1216

INTERACTIVE TRAINING SYSTEM PROGRAM REFERENCE MANUAL PROGRAM NUMBER 5734-XXC

No abstract available.
Manual, 108 pages

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- Manual, 76 pages
- GH20-1233
SYSTEM/370 APT-BP NUMERICAL CONTROL PROCESSOR GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5740-M51
 System/370 Automatically Programmed Tool - Basic Positioning (APT-BP) is a Program Product which features a symbolic language designed to simplify the preparation of instructions for numerically controlled machine tools. This manual provides an introduction to the APT-BP language. Included are language structure and elements, special features, system configuration, and appendices which detail technical information for the significant features of the program product.
 Manual, 132 pages
- GH20-1234
SYSTEM/370 APT-1C AND APT-AC NUMERICAL CONTROL PROCESSORS GENERAL INFORMATION MANUAL - PROGRAM NUMBERS 5740-M52 (1C) AND 5740-M53 (AC)
 System/370 Automatically Programmed Tool, Intermediate Contouring (APT-1C) and System/370 Automatically Programmed Tool, Advanced Contouring (APT-AC) are Program Products which feature a symbolic language designed to simplify the preparation of instructions for numerically controlled machine tools. This manual provides an introduction to their M/C language. Included are language structure and elements, special features, system configuration, and appendices which detail technical information for the significant features of the program products.
 Manual, 160 pages
- GH20-1241 *N
IBM FASHION REPORTER, USER'S GUIDE - PROGRAM NUMBER 5736-D11
 The purpose of this guide is to assist buyers and merchandise managers in the effective use of the Fashion Reporter System. It is a nontechnical reference for day-to-day use, as well as an introduction to the system. This manual discusses the programs and files comprising the system, the output reports, and suggests methods of planning, establishing controls, and collecting data. Step-by-step guidance is provided for installing, operating, and assessing the value of this system.
 Guide, 38 pages
- SH20-1242 *N
EPIC: SOCRATES (STUDENT SCHEDULING SYSTEM FOR EDUCATIONAL INSTITUTIONS) USER'S GUIDE - PROGRAM NUMBER 5735-E91
 No abstract available.
 Manual, 208 pages
- SH20-1245 *N
EPIC: SOCRATES OPERATION'S GUIDE - PROGRAM NUMBER 5735-E91
 The EPIC: SOCRATES program product employs a comprehensive systems approach to the student scheduling task of educational institutions. A package of interrelated programs provides for the assignment of students to the master schedule of classes, and the updating of scheduling records with changes required to the assigned classes. The features provided by the program cover the needs of a variety of educators, from those employing traditional scheduling patterns to those who have gone to highly flexible, modular schedules.
 Manual, 144 pages
- GH20-1246
DATA LANGUAGE/I DISK OPERATING SYSTEM/VIRTUAL STORAGE (DL/I DOS/VS) GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5746-XX1
 DL/I DOS/VS is a data management control system that has been developed to improve the user's ability to implement batch-type data base processing applications. DL/I DOS/VS provides data organization methods that are conducive to the creation of, access to, and maintenance of, large common data bases.
 This manual includes a general description of the system and its various facilities and programs, listings of typical and minimum configurations, and sample applications.
 Manual, 23 pages
- GH20-1249 *N
HEALTH CARE SUPPORT/ELECTROCARDIOGRAM (ECG) ANALYSIS GENERAL INFORMATION MANUAL - PROGRAM NUMBERS 5734-H11 AND 5736-H15
 The IBM Health Care Support/Electrocardiogram (ECG) Analysis Program provides batch processing for the computerized analysis of adult electrocardiograms, along with rapid and consistent interpretation of ECG's requiring only a review by the cardiologist. Since computer-aided reading takes less time than normal unaided interpretation, the program serves to relieve the steadily increasing burden on cardiologists.
 This publication describes the features of the program and contains a general discussion of the application area of electrocardiography. It is designed to give the reader an overall knowledge of the program and application area without reference to detail.
 Manual, 36 pages
- SH20-1252 *N
EPIC: BUDGET/FINANCE OPERATIONS GUIDE - PROGRAM NUMBER 5735-E93
 No abstract available.
 Manual, 100 pages
- SH20-1253 *N
EPIC: BUDGET/FINANCE USER'S GUIDE - PROGRAM NUMBER 5735-E93
 No abstract available.
 Manual, 220 pages
- GH20-1260 *N
INFORMATION MANAGEMENT SYSTEM VIRTUAL STORAGE (IMS/VS) GENERAL INFORMATION MANUAL PROGRAM NUMBER 5740-XX2
 IMS/VS is a control system that has been developed to improve the computer user's ability to implement teleprocessing and/or batch-type data processing applications. Its development is within the framework of Operating System/Virtual Storage.
 This manual includes a general description of the system and its various facilities and programs, listings of typical and minimum configurations, and sample applications.
 Manual, 98 pages
- SH20-1262 *N
BUSINESS ANALYSIS/BASIC FOR ITF MANUAL - PROGRAM PRODUCT 5734-XMB
 This marketing support manual describes the Business Analysis/BASIC program for ITF.
 Manual
- SH20-1264 *N
BUSINESS ANALYSIS/BASIC (CALL-OS) MANUAL
 This marketing support manual describes the CALL-OS business Analysis/BASIC program.
 Manual
- GH20-1265 *N
HEALTH CARE SUPPORT/ELECTROCARDIOGRAM (ECG) ANALYSIS PROGRAM PHYSICIANS GUIDE - PROGRAM NUMBERS 5736-H15 AND 5734-H11
 This publication describes the medical logic contained in the Health Care Support/Electrocardiogram (ECG) Analysis Program and lists all interpretive statements printed by the program. It is designed specifically to orient medical personnel to the medical criteria of the program.
 Manual
- SH20-1268 *N
THE CICS FEATURE (6024-6028) OF THE DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR, PROGRAM AND OPERATIONS MANUAL PROGRAM PRODUCT 5738-XX4
 The Customer Information Control System (CICS) feature of the Data Base Organization and Maintenance Processor is a programming system designed to enable customer application programs to access and maintain Data Base Organization and Maintenance Processor Files. Tying together CICS and Data Base Organization and Maintenance Processor files, it provides the framework for an online data base/data communications system.
 This manual includes a discussion of the system, information for and instructions to the systems analyst concerning installation of the system, information for and instructions to the application programmer concerning use of the CICS feature in his programming, and instructions for operating with the CICS feature.
 This manual is intended primarily for systems personnel, application programmers, and operations personnel. Readers should be familiar with the concepts and terminology of both CICS and the Data Base Organization and Maintenance Processor.
 Manual, 172 pages
- SH20-1270 *N
HEALTH CARE SUPPORT/ELECTROCARDIOGRAM (ECG) ANALYSIS PROGRAM PROGRAM REFERENCE MANUAL AND OPERATIONS GUIDE PROG. NOS. 5734-H11 (OS, OS/VS) AND 5736-H15 (DOS, DOS/VS)
 The IBM Health Care Support/Electrocardiogram (ECG) Analysis Program provides batch processing for the computerized analysis of electrocardiograms. The program provides rapid and consistent interpretation of ECG's to assist the cardiologist in today's medical environment.
 This publication is designed to provide sufficient information to enable the user to understand the functions and operation of the program. The Operations Guide section is designed to provide the information necessary to install and execute the program. Module flowcharts and descriptions of internal variables will be found in the Logic Manual, while details on the medical logic will be found in the Physician's Guide.
 Manual, 140 pages
- GH20-1271 *N
ADVANCED STATISTICAL ANALYSIS PROGRAM (ASTAP) GENERAL INFORMATION MANUAL - PROG. NO. 5796-PBH
 This program provides engineers with a powerful tool for use

in the design and reliability analysis of linear and nonlinear electrical networks. Although ASTAP is oriented primarily toward the analysis of electronic circuits, it can also be used to simulate any physical system which can be represented by a network model.

The program can be used for performing DC and AC steady-state as well as transient analysis. In addition, a Monte Carlo statistical simulation can be performed in conjunction with DC, AC, or transient analysis to predict the effect of component variations on network performance. A common user-oriented input language is provided for describing the network to be analyzed in any of the above modes.

A model library facility provides for the storage of device models, which can be recalled for use in specifying circuits. Entire circuits can also be stored and recalled for later analysis.

Through the use of advanced mathematical and programming techniques, this program permits very large networks to be analyzed in less time and with less demand for real memory. Although ASTAP was designed for operation under OS/MFT or OS/MVT, it has been tested under OS/VS1 in a virtual mode. When ASTAP is operated under OS/VS1, a circuit problem does not need to fit into available real storage in order to be executed. Under OS/VS1, large problems which could not otherwise be run in smaller machines can be accommodated.

This manual is intended for those desiring a general overview of the program's capabilities.
Manual, 65 pages

GH20-1272

DATA BASE DESIGN EVALUATION (DBPROTOTYPE) GENERAL INFORMATION MANUAL - IUP NUMBER 5796-PBB
This manual contains introductory information about the purpose and capabilities of the six DBPROTOTYPE programs.
Manual, 26 pages

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GH20-1273

PROGRAMMING LANGUAGE FOR IMS-PLIMS GENERAL INFORMATION MANUAL - IUP NUMBER 5796-PBB
PLIMS, a macro language extension of PL/I, is a programming aid designed to reduce the programming effort required to produce IMS batch and/or teleprocessing programs. PLIMS statements are expanded during PL/I preprocessing into the declaratives, statements and procedures necessary to compile a complete IMS application program. This manual summarizes the PLIMS features and facilities, including the PLIMS statements available.
Manual, 16 pages

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SH20-1276

SELF-STUDY IMPLEMENTATION COURSE FOR HEALTH CARE SUPPORT ECG PROGRAM PRODUCT - PROG. NOS. 5734-H11 AND 5736-H15
This student guide contains the information and directions for using the Health Care Support/Electrocardiogram (ECG) Analysis Program Product documentation. It is designed primarily for persons who will be performing the functions of installing, operating, and modifying the program.
Manual, 52 pages

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GH20-1280

CUSTOMER INFORMATION CONTROL SYSTEM (CICS/VS) GENERAL INFORMATION MANUAL
PROGRAM NUMBERS CICS/OS/VS 5740-XX1 AND CICS/DOS/VS 5746-XX3
The IBM Customer Information Control System (CICS/VS) is a virtual storage transaction oriented multiapplication data base/data communication interface between a System/370 operating system and user-written application programs. Applicable to most online systems, CICS/VS provides many of the facilities necessary for standard terminal applications: message switching, inquiry, data collection, order entry, and conversational data entry.
CICS/VS is available in two systems one for DOS/VS users and one for OS/VS users. Because the CICS/DOS/VS system is compatible with the CICS/OS/VS system, it is possible to start with a small DOS/VS data base/data communication configuration and move up through DOS/VS into OS/VS.
This manual is designed for persons interested in a general description of CICS/VS and its data base/data communication capabilities.
Manual, 96 pages

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SH20-1281

EPIC: STUDENT RECORD SYSTEM FOR EDUCATIONAL INSTITUTIONS OPERATIONS GUIDE
PROGRAM NUMBER 5735-E94
The EPIC: Student Program Product establishes a student records data base. This package consists of a series of interrelated programs which provides a systematic procedure for the collection and reporting of student academic and attendance information. This manual describes the operating procedures to be followed when implementing the Program Product.
Manual, 148 pages

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SH20-1282

EPIC: FAST STUDENT TESTING SYSTEM FOR EDUCATIONAL INSTITUTIONS OPERATIONS GUIDE - PROGRAM NUMBER 5735-E92
The EPIC: FAST program product employs a comprehensive

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systems approach to scoring and analyzing standardized tests. A program of interrelated programs provides for the establishment of user defined testing packages catalogued on disk. Each package consists of a scoring key, conversion tables, and specifications required to produce a series of test result reports. This manual provides the implementation procedures and operating procedures for this program product.
Manual, 148 pages

SH20-1283

EPIC: FAST STUDENT TESTING SYSTEM FOR EDUCATIONAL INSTITUTIONS USER'S MANUAL - PROG. NO. 5735-E92
The EPIC: FAST program product represents a comprehensive systems approach to scoring and analyzing standardized test. The product consists of a series of interrelated programs that provide for the establishment of user defined testing packages catalogued on disk. A testing package consists of a scoring key, conversion table, and specifications for test result reports. This manual provides the user with the information required to help him define his testing packages and testing requirements.
Manual, 232 pages

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SH20-1284

EPIC: STUDENT - STUDENT RECORD SYSTEM FOR EDUCATIONAL INSTITUTIONS USER'S GUIDE - PROGRAM NUMBER 5735-E94
EPIC: Student is designed to provide mark reporting and attendance accounting for elementary and secondary schools, and junior colleges. This document describes the general work flow and data organization of this program product. The chief purpose of this document is to prepare the user for the installation of this program product.
Manual, 168 pages

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GH20-1289

ASYMMETRIC MULTIPROCESSING SYSTEM - OPERATIONS MANUAL
PROGRAM NUMBER 360A-CX-15X
No abstract available.
Manual

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GH20-1290

ASYMMETRIC MULTIPROCESSING SYSTEM - MESSAGES AND CODES MANUAL
PROGRAM NUMBER 360A-CX-15X
No abstract available.
Manual

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GH20-1291

ASYMMETRIC MULTIPROCESSING SYSTEM - APPLICATION PROGRAMMER'S MANUAL - PROGRAM NUMBER 360A-CX-15X
No abstract available.
Manual

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GH20-1292

IBM SYSTEM/360 AND SYSTEM/370 ASP VERSION 3 ASYMMETRIC MULTIPROCESSING SYSTEM - SYSTEM PROGRAMMER'S MANUAL
PROG. NO. 360A-CX-15X
The ASP system is a multiprocessing operating system that provides a compatible extension to the Operating System (OS). Designed for the user with a large computer job-shop environment, ASP provides increased automation of the computing operation. The ASP system functions as a programmed operator of OS. It provides advanced scheduling facilities for optimizing total installation production.
This manual contains information on how to generate the ASP system from the distributed tape and how to customize the ASP system to fill the needs of each specific installation. It also provides a functional description of the ASP program and its many parts.
Manual, 365 pages

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SH20-1300

DEMAND DEPOSIT ACCOUNTING WITH OVERDRAFT BANKING SYSTEM/360-370 DOS - THE PLANTERS NATIONAL BANK AND TRUST COMPANY ROCKY MOUNT, NORTH CAROLINA
PROGRAM DESCRIPTION/OPERATIONS MANUAL - PROG. NO. 5796-ABL
This manual is designed to provide the user with sufficient information to understand, install, and successfully use the package. Individual programs are described in detail through the use of a narrative, program flow chart, and associated operations run sheet. User input requirements and installation instructions are included.
Manual, 272 pages

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SH20-1303

DBPROTOTYPE PROGRAM DESCRIPTION/OPERATIONS MANUAL - IUP NUMBER 5796-PBB
This manual describes how to use and install the six DBPROTOTYPE programs.
Manual, 162 pages

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SH20-1304

PROGRAMMING LANGUAGE FOR IMS - PLIMS PROGRAM DESCRIPTION/OPERATIONS MANUAL - IUP NUMBER 5796-PBF
PLIMS, a macro language extension of PL/I, is a programming

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- aid designed to reduce the programming effort required to produce IMS batch and/or teleprocessing applications. Many teleprocessing functions have been preprogrammed so all the programmer has to do is code the corresponding PLIMS statement. This statement is expanded during PL/I, preprocessing into source statements customized to the application's program specification block (PSB). This manual describes the compilation of a PLIMS program, and the PLIMS statements, program variables, operates and attributes, and control parameters which affect compilation. Manual, 68 pages
- SH20-1305 *N
IMSMAP - DATA BASE MAPPING PROGRAMS - PROGRAM DESCRIPTION/ OPERATIONS MANUAL - IUP NUMBER 5796-PBC
 The IMSMAP - Data Base Mapping Programs are DBMAP and PSBMAP. DBMAP builds and prints maps of IMS physical and logical data bases; PSBMAP builds and prints maps of IMS physical and logical data bases associated with program specification blocks. This manual describes the programs, their installation into the user's system, required JCL, map formats, several examples of each program, and the error messages. Manual, 14 pages
- SH20-1306 *N
BTS (BATCH TERMINAL SIMULATOR) PROGRAM DESCRIPTION/OPERATIONS MANUAL - IUP NUMBER 5796-PBB
 The Batch Terminal Simulator (BTS) is a batch-oriented program designed to simulate IMS/360 with regard to the execution of application programs, both batch and teleprocessing. The facilities inherent in the BTS design philosophy provide the user with a comprehensive means of checking and debugging:
 o Application program logic
 o IBM/360 interfaces
 o Teleprocessing activity
 o Data base interaction
 In addition, BTS provides a number of debugging aids and application performance impact statistics.
 This publication provides a general description of BTS, and describes in detail the program's functional abilities and how to use them. The publication also includes explanations of BTS messages, and describes the BTS output listing. Manual, 68 pages
- SH20-1307 *N
TEST IMS UTILITIES PROGRAM DESCRIPTION/OPERATIONS MANUAL IUP NUMBER 5796-PBE
 The test IMS utilities include programs to create a test data base, compare an old and a new version of the same data base, list one or more records from a data base, and create an unloaded version of the data base. An integral part of the operation of the utilities is the segment description module, which contains a physical description of each field in every segment of a data base. This manual describes the operation, format, and use of the segment description format, and use of the segment description module. In addition, installation guidelines are provided, including test cases for all the utilities. Manual, 120 pages
- SH20-1314 *N
MULTICOLUMN DISTILLATION PROGRAM - PROGRAM DESCRIPTION OPERATIONS MANUAL - IUP NUMBER 5796-PAH
 No abstract available. Manual, 120 pages
- SH20-1321 *N
DISTRIBUTION ORDER ENTRY SYSTEM LAG DRUG COMPANY CHICAGO, ILLINOIS - PROGRAM DESCRIPTION/OPERATIONS MANUAL PROG. NO. 5796-APT
 A general description of all programs in the Distribution Order Entry System may be found in this manual. Many of the programs are not standalone, but are called by other programs.
 A step by step installation procedure for implementation of the sample program has been included. The INSTALLATION CONSIDERATIONS section should be read before any modifications are attempted. Manual, 54 pages
- SH20-1328 *N
RESPONSIBILITY ACCOUNTING SYSTEM - THE PHILADELPHIA NATIONAL BANK - PROGRAM DESCRIPTION/OPERATIONS MANUAL PROGRAM NO. 5796-ACA
 The RESPONSIBILITY ACCOUNTING SYSTEM is a general ledger, cost accounting and budget performance monitoring system. It is implemented in a batch environment utilizing the Data Language/I data base facility of the Information Management System program product.
 This manual includes a system overview, and detailed program and operational descriptions. Manual, 466 pages
- SH20-1405 *N
ALPHA SEARCH INQUIRY SYSTEM PROGRAM REFERENCE MANUAL
 The IBM Alpha Search Inquiry System provides the facility to create, maintain, reorganize, and display a file containing customer names and all associated contract numbers. The program product is comprised of five programs. The inquiry program runs as an application program under CICS/DOS Entry (5736-XX6), CICS/DOS Standard (5736-XX7), or CICS/OS Standard (5734-XX7), and utilizes the special features offered by the 3270 Information Display System. The programs that constitute the system run under DOS/VS, OS/VS1, or OS/VS2 on System/370 or under one of these system control programs operating under System/370 VM/370.
 This manual provides information essential for persons who have the responsibility to define, prepare, and administer the Alpha Search Inquiry System in the environment it supports. Knowledge of the information available on the current files and the formats of what information is required, as is knowledge of the operating system used by the installation, the Customer Information Control System (CICS), and the 3270 Information Display System. Manual, 100 pages
- SH20-1406 *N
ALPHA SEARCH INQUIRY SYSTEM OPERATIONS GUIDE
 This manual presents the information required to create, maintain, and execute the Alpha Search Inquiry System programs. These programs run on a System/370 operating under DOS/VS, OS/VS1 or OS/VS2, or under one of these system control programs operating under VM/370. This manual is divided into two parts. The first part contains eight sections which describe the control cards and procedures necessary to create, maintain, and execute each program under DOS/VS and OS/VS. The final part entitled "Terminal Operator's Guide" discusses the use and options of the Alpha Search Inquiry Program.
 This manual is to be used by those persons who have the responsibility of maintaining the Alpha Search Inquiry System and those who work with the IBM 3270 Information Display Station and the Alpha Search Inquiry System. Knowledge of the installation's operating system and system libraries is required by those who provide maintenance. The terminal operator must have knowledge of the IBM 3270 operation. Manual, 50 pages
- GH20-4001 *N
SHAS COMPATIBLE TELEPROCESSING SPECIFICATION SHEET PROGRAM NUMBER 5736-H13
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specifications, 2 pages
- GH20-4005 *N
OS/360 REQUIREMENTS PLANNING PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5734-M51
 This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 8 1/2 x 11 inch, 1 page, specifications
- GH20-4006 *N
LEARN ATS-DOS: PROGRAM PRODUCT SPEC., PROG. NO. 5736-XX3 PROGRAM NUMBER 5736-XX3
 This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. Specifications Sheet, 2 pages
- GH20-4007 *N
LEARN ATS-OS: PROGRAM PRODUCT SPEC., PROG. NO. 5734-XX8 PROGRAM NUMBER 5734-XX8
 This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. Specification Sheet, 2 pages
- GH20-4008 *N
OS/360 INVENTORY CONTROL PROGRAM NUMBER 5734-M52 SPECIFICATION SHEETS
 This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. Specifications Sheet, 2 pages
- GH20-4012 *N
SYSTEM/360 REQUIREMENTS PLANNING INTERFACE PROGRAM NUMBER 5736-M13
 This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. Specifications Sheet, 1 page
- GH20-4013 *N
SYSTEM/360 CAPACITY PLANNING--FINITE LOADING: PROGRAM PRODUCT SPECIFICATIONS, PROG. NO. 5736-M12
 This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. Specifications Sheet, 2 pages

GH20-4014

SYSTEM/360 CAPACITY PLANNING - INFINITE LOADING
PROGRAM PRODUCT SPEC'S PROG. NO. 5736-M11
 This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. Specifications Sheet, 2 pages

GH20-4015

CFO AUTOCODER TO ASSEMBLER LANGUAGE INSTRUCTION SET
TRANSLATOR (CATALIST) PROGRAM NUMBER 5736-XX2
 This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. Specifications Sheet, 2 pages

GH20-4016

TARIFF PUBLISHING SYSTEM (BOUND TARIFFS)
PROGRAM PRODUCT SPEC'S, PROG. NO. 5736-T21
 This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. Specifications Sheet, 1 page

GH20-4017

POWER SYSTEM PLANNING PROGRAM SPECIFICATIONS SHEETS
PROGRAM NUMBER 5736-U12
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specifications Sheets, 4 pages

GH20-4019

MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) VERSION 2
SPECIFICATIONS SHEET - PROGRAM NUMBER 5736-H11
 This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. Specification sheet, 2 pages

GH20-4021

SHARED LABRATORY INFORMATION SYSTEM (SLIS) PROGRAM
PRODUCT SPECIFICATIONS PROGRAM NUMBER 5736-H12
 This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. Program Product Specifications

GH20-4022

CONSUMER GOODS SYSTEMS (COGS) - ALLOCATION
PROGRAM PRODUCT SPECIFICATIONS, PROG. NO. 5736-D31
 This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. Program Product Specification Sheet

GH20-4023

THE CONSUMER GOODS SYSTEMS (COGS) - FORECASTING
PROGRAM NUMBER 5736-D32
 This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. Program Product Specification Sheet

GH20-4026

SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM WITH DISK OS
(RAX-DOG) PROGRAM NUMBER 5799-AAA SPECIFICATION SHEET
 This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. Specification Sheets, 17 pages

GH20-4028

DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR
PROGRAM PRODUCT SPECIFICATIONS, PROG. NO. 5736-XX4
 This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. Specification Sheet, 2 pages

GH20-4031

PALIS ADDITIONAL FILE FACILITY VERSION 1 MODIFICATION
LEVEL 1 SPECIFICATIONS - PROGRAM PRODUCT 5736-N22
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification sheet, 2 pages

GH20-4032

FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER
RETRIEVAL - LOW CORE (FASTER LC)
SPECIFICATIONS - PROGRAM NUMBER 5736-G22
 This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. Specification Sheet, 2 pages

GH20-4035

GENERAL PURPOSE SIMULATION SYSTEM V-OS (GPSS V-OS)
PROGRAM NUMBER 5734-XS2
 This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. Specification Sheet, 2 pages

GH20-4037

SYSTEM/360 TEXT PROCESSOR PAGINATION/360
PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-K12
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification Sheet, 2 pages

GH20-4039

DIRECT ACCESS TERMINAL APPLICATION (DATA/360-DOS)
PROGRAM NUMBER 5736-XS2
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specifications Sheet, 2 pages

GH20-4040

GENERAL PURPOSE SIMULATION SYSTEM V-DOS (GPSS V-DOS)
PROGRAM NUMBER 5736-XS3
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Program Product Specifications, 2 pages

GH20-4041

IBM VEHICLE SCHEDULING PROGRAM - EXTENDED (OS)
PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-XM5
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification Sheet, 2 pages

GH20-4042

IBM VEHICLE SCHEDULING PROGRAM - EXTENDED (DOS)
PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-XM3
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification Sheet, 2 pages

GH20-4043

CUSTOMER INFORMATION CONTROL SYSTEM OS - STANDARD (CICS/OS)
AND LANGUAGE AND TERMINAL FEATURE (L/T) NO. 6004, 6005, OR
6006, PROGRAM PRODUCT SPECIFICATIONS, PROG. NO. 5736-U11
 The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product. Design Objectives Sheet, 4 pages

GH20-4044

SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM (ACIP)
PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-F32
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification Sheet, 2 pages

GH20-4046

PAL/360-DOS SPECIFICATIONS - PROGRAM PRODUCT 5736-XM6
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification sheet, 2 pages

GH20-4047

APL/360 OS SPECIFICATIONS - PROGRAM PRODUCT 5734-XM6
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification sheet, 1 page

GH20-4048

SYSTEM/360 CONSUMER GOODS SYSTEM (COGS) FORECASTING (OS)
PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-D33
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification Sheet, 2 pages

GH20-4049

SYSTEM/360 CONSUMER GOODS SYSTEM (COGS) ALLOCATION (OS)
PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-D32
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification Sheet, 2 pages

GH20-4076

SYSTEM/360 GRAPHIC ANALYSIS OF THREE-DIMENSIONAL DATA (OS)
PROGRAM PRODUCT FUNCTIONAL DESCRIPTION SHEET
PROGRAM PRODUCT 5734-XX2
 This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C. PPFD Sheet, 1 page

GH20-4079

SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE - PS (M44)
PROGRAM PRODUCT FUNCTIONAL DESCRIPTION SHEET
PROGRAM NUMBER 5736-P71
 This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product,

which has a Programming Service Classification of C.
PPFD Sheet, 1 page

GH20-4080

SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE - OS PROGRAM PRODUCT FUNCTIONAL DESCRIPTION, PROG. NO. 5736-P72
This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C.
PPFD Sheet, 1 page

GH20-4081

PROJECT MANAGEMENT SYSTEM/360 VERSION 3 FUNCTIONAL DESCRIPTION SHEET - PROGRAM NUMBER 5734-XP1
This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C.
Description Sheet, 1 page

GH20-4085

LAW ENFORCEMENT MANPOWER RESOURCE ALLOCATION SYSTEM (LEMRA) FUNCTIONAL DESCRIPTION - PROGRAM PRODUCT 5736-G21
This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C.
Description sheet, 1 page

GH20-4087

FINANCIAL TERMINAL SYSTEM (FTS) FUNCTIONAL DESCRIPTION SHEET PROGRAM PRODUCT 5736-F12 *N
This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C.
Flyer, 2 pages

GH20-4089

IBM SYSTEM/360 RESOURCE ALLOCATION FOR PROJECT CONTROL SYSTEM/360 FUNCTIONAL DESCRIPTION - PROGRAM PRODUCT 5736-XP2 *N
This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C.
Flyer, 1 page

GH20-4090

COMPUTER SYSTEMS SIMULATOR II (CSS II) FUNCTIONAL DESCRIPTION - PROGRAM PRODUCT 5734-XS5 *N
This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C.
Flyer, 2 pages

GH20-4101

ONLINE COBOL SYMBOLIC DEBUG FOR IBM CP-67 SYSTEMS (RPQ) PROGRAM NUMBER 5799-AAE - REFERENCE PRPQ AA0476 PROGRAM PRODUCT SPECIFICATION SHEET
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specification Sheets, 6 pages

GH20-4102

MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) SPECIFICATION SHEET - PROGRAM NUMBER 5734-XM4
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specification Sheet, 4 pages

GH20-4103

DISPLAY MANAGEMENT SYSTEM (DMS): PROGRAM PRODUCT SPEC'S PROG. NO. 5734-XC1
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specifications Sheets, 4 pages

GH20-4104

PROJECT MANAGEMENT SYSTEM IV, PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5734-XP4
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specifications Sheets, 2 pages

GH20-4105

DIRECT ACCESS TERMINAL APPLICATION (DATA/360-OS) PROGRAM NUMBER 5734-XS3
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specifications Sheets, 2 pages

GH20-4106

INFORMATION MANAGEMENT SYSTEM/360 (IMS/360) VERSION 2 SPECIFICATIONS - PROGRAM PRODUCT 5734-XX6
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.

Specification sheet, 6 pages

GH20-4109

PROCEDURE LIBRARY-MATHEMATICS (PL-MATH) PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-XM3
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specifications Sheets, 2 pages

GH20-4110

OS/360 REQUIREMENTS PLANNING SPECIAL FEATURE #6015 PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-M51
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specifications Sheets, 1 page

GH20-4111

OS CAPACITY PLANNING - INFINITE LOADING PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-M53
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specifications Sheets, 2 pages

GH20-4112

OS CAPACITY PLANNING - FINITE LOADING PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-M54
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specifications Sheets, 2 pages

GH20-4113

OS SHOP FLOOR CONTROL, PROGRAM NUMBER 5734-M31 PROGRAM PRODUCT SPECIFICATION SHEET
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specifications Sheets, 2 pages

GH20-4118

IBM BASIC COURTS SYSTEM SPECIFICATIONS SHEETS PROGRAM NUMBER 5736-G26
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specifications sheets, 2 pages

GH20-4121

BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE) SPECIFICATIONS PROGRAM PRODUCT 5736-F31
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specification sheet, 2 pages

GH20-4122

MINIPERT - PROGRAM NUMBER 5734-XP3
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specifications Sheets, 1 page

GH20-4123

FARE QUOTE/TICKETING SPECIFICATION SHEET PROGRAM NUMBER 5736-T11
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specifications Sheet, 1 page

GH20-4124

GENERALIZED INFORMATION SYSTEM, VERSION 2 (GIS/2) SPECIFICATIONS SHEET PROGRAM NUMBER 5734-XX1
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specifications Sheet, 4 pages

GH20-4127

CONSOLIDATED FUNCTIONS ORDINARY II - CFO-II SPECIFICATIONS SHEETS - PROGRAM NUMBER 5736-N13
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specifications Sheets, 2 pages

GH20-4128

COURSEWRITER III/DOS VERSION 3 - SPECIFICATION SHEET PROGRAM NUMBER 5736-E11
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specification Sheet, 2 pages

GH20-4130

THE DISK OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL - MULTITHREAD (DCS FASTER MT) PROGRAM NUMBER 5736-G24
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.

Specifications sheets, 2 pages

- GH20-4131
CUSTOMER INFORMATION CONTROL SYSTEM/DOS-STANDARD (CICS/DOS-STANDARD), PROG. NO. 5736-XX7, 3330 SUPPORT FEATURE 5003, 5004, 5005: PROGRAM PRODUCT SPECIFICATIONS
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specification sheets, 4 pages
- GH20-4133
OS REQUIREMENTS PLANNING EXTENSIONS - SPECIFICATIONS PROGRAMMING RPQ EA6264 - PROGRAM NUMBER 5799-AA7
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Programming RPQ Specification, 6 pages
- GH20-4134
CUSTOMER INFORMATION CONTROL SYSTEM/DOS ENTRY (CICS/DOS-ENTRY), PROG. NO. 5736-XX6, 3330 SUPPORT FEATURE 5000, 5001, 5002: PROGRAM PRODUCT SPECIFICATIONS
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specification Sheet, 4 pages
- GH20-4135
3330/2305 APT SUPPORT PROGRAMMING RPQ WB5773 PROGRAM NUMBER 5799-ACZ (PRPQ SPECIFICATIONS)
The additions to APT to support the 3330 and 2305 DASD's involve three functions:
 - o Determining the device type for a particular request
 - o Calculating the location of a block in a data set on a device that has four blocks per track (3330/2305)
 - o Changing the maximum block size if the device is a 3330 or 2305 Model 1
 3330/2305 APT support is an addition to the Type II program, S/360 APT Numerical Control Processor (360A-CH-10X) Version 4, Modification Level 3, and as such, requires that program to execute. The support is written in S/360 Assembler language, and the S/360 Assembler F is used to assemble the routines. This PRPQ is released to work with OS Release 20.1 and all such subsequent releases, versions, and modifications unless otherwise stated in a future revision of this document. In addition, all System/360 Operating System programs required for S/360 APT are also required for this PRPQ. These are: the Assembler, Linkage Editor, FORTRAN IV Level II, and the IEBUPDAT, EIBMOVE, IEBCOPY, and IEBTPCH utility programs.
PRPQ Specification, 4 pages
- GH20-4136
PLANNING SYSTEMS GENERATOR II (PSG II): PROGRAM PRODUCT SPEC'S, PROG. NO. 5734-XT1
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specification Sheet, 6 pages
- GH20-4137
ELECTRONIC CIRCUIT ANALYSIS PROGRAM II (ECAP-II) FOR THE OPERATING SYSTEM AND 1130 SYSTEM - SPECIFICATIONS SHEET PROGRAM NUMBERS 5734-EE1 AND 5711-EE1
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specification Sheet, 2 pages
- GH20-4139
STAT/BASIC FOR TTF - SPECIFICATION SHEET PROGRAM 5734-XA3
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specification Sheet, 2 pages
- GH20-4140
CUSTOMER INFORMATION CONTROL SYSTEM/OS - STANDARD V2 (CICS/OS - STANDARD V2) SPECIFICATIONS - PROGRAM PRODUCT 5734-XX7
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specification sheet, 6 pages
- GH20-4141
BILL PROCESSOR SYSTEMS - IMS/360 BRIDGE PROGRAM NUMBER 5734-XX9
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specification Sheet, 2 pages
- GH20-4142
FASHION REPORTER PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5736-D11
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.

Specification Sheet, 4 pages

- GH20-4144
SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR THE ELECTRIC UTILITY INDUSTRY SHORT CIRCUIT Ro FEATURE SPECIFICATIONS PROGRAM NUMBER 5736-U12
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specification Sheet, 1 page
- GH20-4146
IBM SYSTEM/360 AND SYSTEM/370 SUBROUTINE LIBRARY MATHEMATICS (SL-MATH) SPECIFICATIONS - PROGRAM NUMBER 5736-XM7
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specification Sheet, 2 pages
- GH20-4148
BACIS (BUDGET ACCOUNTING INFORMATION SYSTEM) FOR PUBLIC INSTITUTIONS - PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5736-G25
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specification Sheet, 1 page
- GH20-4149
THE OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL-MULTITHREAD (OS FASTER MT) PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-G21
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specification Sheet, 2 pages
- GH20-4170
GENERALIZED INFORMATION SYSTEM, VERSION 2 (GIS/2) DESIGN OBJECTIVES - PROGRAM NUMBER 5734-XX1
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.
Design Objectives Sheet, 4 pages
- GH20-4179
CHECKPROCESSING CONTROL SYSTEM (CPCS) DESIGN OBJECTIVES PROGRAM PRODUCT 5734-F11
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.
Flyer, 2 pages
- GH20-4199
PALIS ADDITIONAL FILE FACILITY - PROGRAM NUMBER 5736-N22 PROGRAM PRODUCT DESIGN OBJECTIVES
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.
Design Objectives Sheet, 2 pages
- GH20-4203
THE DISK OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL MULTITHREAD (DOS FASTER MT) DESIGN OBJECTIVES - PROGRAM NUMBER 5736-G24
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.
Sheet, 2 pages
- GH20-4228
SYSTEM/370 AUTOMATICALLY PROGRAMMED TOOL - PPDO: BASIC POSITIONING (APT-BP) PROG. NO. 5740-M51 INTERMEDIATE CONTOURING (APT-IC), PROG. NO. 5740-M52 ADVANCED CONTOURING (APT-AC), PROG. NO. 5740-M53
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.
Flyer, 4 pages
- GH20-4230
DATA LANGUAGE/I DISK OPERATING SYSTEM/VIRTUAL STORAGE (DL/I DOS/VS) - PPDO - PROG. NO. 5746-XX1
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specification sheet, 2 pages
- GH20-4231
ALPHA SEARCH INQUIRY/SYSTEM-PPDO - PROGRAM NUMBER 5736-N14
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.
Sheet, 4 pages

- GH20-4233
HEALTH CARE SUPPORT/DATA COMMUNICATIONS PROGRAM DESIGN OBJECTIVES - PROGRAM PRODUCT 5746-H13
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.
Flyer, 2 pages
- GH20-4234
HEALTH CARE SUPPORT/ACCOUNTING SYSTEM DESIGN OBJECTIVES PROGRAM NUMBER 5746-H14 - FEATURE 6001 OR 6002
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.
Flyer, 4 pages
- GH20-4235
HEALTH CARE SUPPORT/LABORATORY INFORMATION SYSTEM DESIGN OBJECTIVES - PROGRAM PRODUCT 5746-H12
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.
Flyer, 1 page
- GH20-4236
CUSTOMER INFORMATION CONTROL SYSTEM/DOS/VS (CICS/DOS/VS) DESIGN OBJECTIVES - PROG. PROD. 5740-XX1
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.
Flyer, 4 pages
- GH20-4237
CUSTOMER INFORMATION SYSTEM/OS/VS (CICS/OS/VS) DESIGN OBJECTIVES, - PROG. PROD. 5740-XX1
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.
Flyer, 8 pages
- GH20-4238
INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/VS) DESIGN OBJECTIVES - PROG. PROD. 5740-XX2
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.
Flyer, 6 pages
- GH20-4241
DISPLAY MANAGEMENT SYSTEM II (DMS II OS/VS) DESIGN OBJECTIVES - PROGRAM PRODUCT 5734-XC4
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.
Flyer, 4 pages
- GH20-4242
DISPLAY MANAGEMENT SYSTEM II (DMS II DOS/VS) DESIGN OBJECTIVES - PROGRAM PRODUCT 5736-XC4
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.
Flyer, 4 pages
- GH20-4243
PROGRAMMING RPQ #WE1191 APL SHARED VARIABLES (APLSV) DESIGN OBJECTIVES - PROGRAM PRODUCT 5799-AJF
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.
Flyer, 8 pages
- GH20-4301
COURSEWRITER III/OS VERSION 3 - SPECIFICATION SHEET PROGRAM NUMBER 5734-E13
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specification Sheet, 1 page
- GH20-4302
PALIS AUTOMOBILE ENHANCEMENT - SPECIFICATION SHEET PROGRAM NUMBER 5736-N24
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specification Sheet, 2 pages
- GH20-4303
CONTINUOUS SYSTEM MODELING PROGRAM (CSMP III) PPS - PROGRAM NUMBER 5734-XS9
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Flyer, 6 pages
- *N GH20-4304
MARKETABLE SECURITIES INVENTORY SYSTEM PROGRAMMING RPQ MB4259 - SPECIFICATION SHEET - PROGRAM NUMBER 5799-ABY
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specification Sheet, 4 pages
- GH20-4307
*N PALIS HOMEOWNERS ENHANCEMENTS - PROGRAM NUMBER 5736-N25 PROGRAM PRODUCT SPECIFICATIONS
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specification Sheet, 1 page
- GH20-4308
*N MATH/BASIC FOR SYSTEM/3 AND ITF (OS, DOS AND TSO) SPECIFICATIONS - PROGRAM PRODUCT 5703-XM2, 5734-XM8
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specification sheet, 2 pages
- GH20-4309
*N PSG II DOS - SPECIFICATIONS, PROG. NO. 5736-XT1
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specification sheet, 6 pages
- GH20-4312
*N STORAGE AND INFORMATION RETRIEVAL SYSTEM SPECIFICATION SHEET (STAIRS) - PROGRAM NUMBER 5734-XR3
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specification Sheet, 2 pages
- GH20-4314
*N INTERACTIVE TRAINING SYSTEM - PROGRAM NUMBER 5734-XXC COURSE STRUCTURING FEATURE 5734-XXC
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specification Sheet, 4 pages
- GH20-4315
*N CPS UNDER TSO PRPQ SPECIFICATIONS PROGRAM NUMBER 5799-ADY
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Flyer, 12 pages
- GH20-4316
*N INTERACTIVE QUERY FACILITY (IQF) FEATURE FOR INFORMATION MANAGEMENT SYSTEM (IMS/360) V2 - SPECIFICATION SHEET PROG. PROD. 5734-XX6
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
I6525
Specification Sheet, 2 pages
- GH20-4317
*N EPIC SOCRATES STUDENT SCHEDULING SYSTEM SPECIFICATION SHEET - PROG. NO. 5735-E91
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specification Sheet, 2 pages
- GH20-4318
*N DIRECT ACCESS TERMINAL APPLICATION (DATA/360-11) PPS, PROGRAM NUMBER 5734-XS8
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specification Sheet, 6 pages
- GH20-4320
VANCOUVER DATA LANGUAGE-ONE (VANDL-1) SPECIFICATIONS - PROGRAM NO. 5799-AEY
This specification sheet describes the warranted specifications of the PRPQ.
PRPQ Specification Sheet, 4 pages
- GH20-4321
*N IBM SYSTEM/360 AND SYSTEM/370 OS BUDGETS AND PLANS GENERATOR BUDPLAN SPECIFICATIONS
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specification Sheet, 1 page
- GH20-4322
*N EPIC: BUDGET/FINANCE SPECIFICATIONS - PROGRAM NUMBER 5735-E93
This sheet describes the warranted specifications of the program EPIC: BUDGET/FINANCE.
Specification sheet, 2 pages

GH20-4323 *N
IBM SECURITIES ORDER MATCHING (SOM) SPECIFICATIONS - PROGRAM PRODUCT 5734-F32
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Flyer, 4 pages

GH20-4324 *N
IBM TELECOMMUNICATIONS CONTROL SYSTEM (TCS) SPECIFICATIONS PROGRAM PRODUCT 5734-F31
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Flyer, 4 pages

GH20-4325 *N
SYSTEM/360 AND SYSTEM/370 FORECASTING AND MODELING SYSTEMS SPECIFICATIONS - PROGRAM PRODUCTS 5736-XS4 (DOS VERSION) AND 5734-XS7 (OS VERSION)
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification sheet, 2 pages

GH20-4326 *N
BUSINESS ANALYSIS/BASIC FOR SYSTEM/3 MODEL 6 AND ITF (OS, DOS, TSO) SPECIFICATIONS - PROGRAM PRODUCTS 5703-XM3 AND 5734-XMB
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification sheet, 2 pages

GH20-4327 *N
IBM SYSTEM/360 AND SYSTEM/370 MATRIX GENERATOR AND REPORT WRITER (MGRW) SPECIFICATIONS - PROGRAM PRODUCT 5734-XMC
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification sheet, 1 page

GH20-4328 *N
CICS FEATURE OF DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR SPECIFICATIONS - PROGRAM PRODUCT 5736-XX4
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification sheet

GH20-4331 *N
EPIC: STUDENT PROGRAM PRODUCT SPECIFICATION - PROGRAM NUMBER 5735-E94
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Flyer, 2 pages

GH20-4332 *N
EPIC: FAST TEST SCORING SYSTEM PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5735-E92
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Flyer, 4 pages

GH20-4333 *N
IBM HEALTH CARE SUPPORT/ELECTROCARDIOGRAM (ECG) ANALYSIS PROGRAM PPS - PROGRAM PRODUCTS 5734-H11 AND 5736-H15
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification Sheet, 2 pages

GH20-4337 *N
ALPHA SEARCH (INQUIRY SYSTEM SPECIFICATIONS) - PROGRAM NUMBER 5736-N14
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Sepcification sheet, 4 pages

GH20-4407 *N
CFO AUTOCODER TO ASSEMBLER LANGUAGE INSTRUCTION SET TRANSLATOR (CATALIST) - FUNCTIONAL DESCRIPTION PROGRAM PRODUCT 5736-XX2
 This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C. Functional Description Sheet, 2 pages

GH20-4408 *N
SYSTEM/360 CONSUMER GOODS SYSTEM (COGS) - ALLOCATION (OS) FUNCTIONAL DESCRIPTION - PROGRAM NUMBER 5734-D32
 This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C. Functional Description Sheet, 2 pages

GH20-4409 *N
SYSTEM/360 CONSUMER GOODS SYSTEM (COGS) FORECASTING (OS) FUNCTIONAL DESCRIPTION - PROGRAM NUMBER 5734-D33
 This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C. Description Sheet, 2 pages

GH20-4410 *N
CONSUMER GOODS SYSTEM (COGS) ALLOCATION FUNCTIONAL DESCRIPTION - PROGRAM PRODUCT 5736-D31
 This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C. Description Sheet, 2 pages

GH20-4411 *N
TARIFF PUBLISHING SYSTEM (BOUND TARIFFS) FUNCTIONAL DESCRIPTION - PROG. PROD. 5736-T21
 This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C. Description Sheet, 1 page

GH20-4412 *N
MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) VERSION 2 FUNCTIONAL DESCRIPTION - PROG. PROD. 5736-H11
 This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C. Description Sheet, 2 pages

GH20-4413 *N
POWER SYSTEM PLANNING PROGRAM - FUNCTIONAL DESCRIPTION PROGRAM PRODUCT 5736-U12
 This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C. Description Sheet, 4 pages

GH20-4414 *N
SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM (ACIP) FUNCTIONAL DESCRIPTION - PROG. PROD. 5736-F32
 This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C. Description Sheet

GH20-4415 *N
SHOP FLOOR CONTROL FUNCTIONAL DESCRIPTION - PROGRAM PRODUCT 5736-M31
 This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C. Flyer, 2 pages

GH20-4418 *N
THE CONSUMER GOODS SYSTEM (COGS) - FORECASTING FUNCTIONAL DESCRIPTION - PROGRAM PRODUCT - 5736-D32
 This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C. Description sheet, 2 pages

GJD1-0001 *N
SYSTEM/370 MODELS 158/168 SYSGEN ICR OS RELEASE 21.6 PROGRAM NO. 360S-OS-609
 Contains Type I OS program listings as specified in the title. Microfiche

GJD1-0010 *N
IBM 3735 MACROS AND UTILITY PROGRAMS - MICROFICHE LISTING PROGRAM NUMBER 360S-CQ-563
 This document contains Type I OS program listings and DOS/OS PTF listings. Microfiche

GJD1-0015 *N
3830 4-CHANNEL SWITCH SUPPORT (CALTROP) ICR - PROGRAM NUMBER 360-OS-587
 Provides support for the 4-channel switch feature on the 3880 control unit for the 3330 storage facility. It allows the 3830 to be shared between up to four CPU's or to be accessed by up to four channels of a single CPU. Microfiche

GJD1-1010 *M
SYSTEM/360 OS PRIMARY CONTROL PROGRAMS - MICROFICHE LISTING PROGRAM NUMBERS 360S-CI-505/535/555/566
 Contains Type I OS program listings as specified in the title. Microfiche

GJD1-1011
OPERATING SYSTEM/360 TIME SHARING OPTION PROGRAM LISTING
(TSO) PROGRAM NUMBER 360S-CI-555
 This microfiche contains source listings of program(s)
 referenced in title.
 Microfiche

GJD1-1012
SYSTEM/360 OS MVT
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

GJD1-1013
SYSTEM/360 OS DATA MANAGEMENT
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-DM-508
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

GJD1-1014
SYSTEM/360 OS BASIC DIRECT ACCESS METHOD
MICROFICHE LISTING - PROGRAM NUMBER 360S-DM-509
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

GJD1-1015
SYSTEM/360 OS REMOTE JOB ENTRY
MICROFICHE LISTING - PROGRAM NUMBER 360S-RC-536
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

GJD1-1016
SYSTEM/360 OS BTAM
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-CQ-513
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

GJD1-1017
SYSTEM/360 OS QTAM
MICROFICHE LISTING - PROGRAM NUMBER 360S-CQ-519
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

GJD1-1018
SYSTEM/360 OS OLTEP
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-DN-533
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

GJD1-1019
OPERATING SYSTEM/360 CONVERSATIONAL REMOTE JOB ENTRY
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-RC-551
 This document contains Type I OS program listings and
 DOS/OS PTF listings.
 Microfiche

GJD1-1020
SYSTEM/360 OS ISAM
MICROFICHE LISTINGS - PROG. NO. 360S-IO-526
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

GJD1-1021
SYSTEM/360 OS UTILITIES
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-UT-506
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

GJD1-1022
OPERATING SYSTEM/360 INDEPENDENT UTILITIES
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-UT-507
 This document contains Type I OS program listings and DOS/OS
 PTF listings.
 Microfiche

GJD1-1023
OPERATING SYSTEM/360 TELEPROCESSING
COMMUNICATIONS ACCESS METHOD (TCAM)
PROGRAM LISTING - PROGRAM NUMBER 360S-CQ-548
 This document contains Type I OS program listings and DOS/OS
 PTF listings.
 Microfiche

GJD1-1025
SYSTEM/360 OS ALGOL COMPILER-F
MICROFICHE LISTING - PROGRAM NUMBER 360S-AL-531
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

GJD1-1026
SYSTEM/360 OS ALGOL LIBRARY
MICROFICHE LISTING - PROGRAM NUMBER 360S-LM-532
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

GJD1-1030
MICROFICHE - SOURCE LISTING
SYSTEM/360-OS ASSEMBLER E 360S-AS-036
 This microfiche contains source listings of program(s)
 referenced in title.
 Microfiche

GJD1-1035
MICROFICHE - SOURCE LISTING
SYSTEM/360-OS ASSEMBLER F 360S-AS-037
 This microfiche contains source listings of program(s)
 referenced in title.
 Microfiche

GJD1-1040
SYSTEM/360 OS COBOL COMPILER-E
MICROFICHE LISTING - PROGRAM NUMBER 360S-CO-503
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

GJD1-1042
SYSTEM/360 OS ANS COBOL
MICROFICHE LISTING - PROGRAM NUMBER 360S-CB-545
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

GJD1-1043
SYSTEM/360 OS ANS COBOL LIBRARY
MICROFICHE LISTING - PROGRAM NUMBER 360S-LM-546
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

GJD1-1044
SYSTEM/360 OS COBOL F LIBRARY
MICROFICHE LISTING - PROGRAM NUMBER 360S-LM-525
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

GJD1-1045
SYSTEM/360 OS COBOL COMPILER-F
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-CB-524
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

GJD1-1048
SYSTEM/360 OS COBOL LIBRARY
MICROFICHE LISTING - PROGRAM NUMBER 360S-LM-504
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

GJD1-1050
MICROFICHE - SOURCE LISTING
SYSTEM/360-OS FORTRAN E IV 360S-FO-092
 This microfiche contains source listings of program(s)
 referenced in title.
 Microfiche

GJD1-1052
SYSTEM/360 OS FORTRAN G IV
MICROFICHE LISTING - PROGRAM NUMBER 360S-FO-520
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

GJD1-1054
OPERATING SYSTEM/360 FORTRAN SYNTAX CHECKER
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-FO-550
 This document contains Type I OS program listings and
 DOS/OS PTF listings.
 Microfiche

GJD1-1055
SYSTEM/360 OS FORTRAN H IV
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-FO-500
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

GJD1-1058
SYSTEM/360 OS FORTRAN LIBRARY IV
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-LM-501
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

GJD1-1060
 SYSTEM/360 OS PL/1 COMPILER F
 MICROFICHE LISTINGS - PROGRAM NUMBER 360S-NL-511
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

GJD1-1062
 SYSTEM/360 OS SERVICE AIDS
 MICROFICHE LISTINGS - PROGRAM NUMBER 360S-DN-554
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

GJD1-1065
 OPERATING SYSTEM/360 PL/I SYNTAX CHECKER
 MICROFICHE LISTINGS - PROGRAM NUMBER 360S-PL-552
 This document contains Type I OS program listings and
 DOS/OS PTF listings.
 Microfiche

GJD1-1068
 SYSTEM/360 OS PL/1 LIBRARY F
 MICROFICHE LISTINGS - PROGRAM NUMBER 360S-LM-512
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

GJD1-1070
 MICROFICHE - SOURCE LISTING
 SYSTEM/360-OS LINKAGE EDITOR E 360S-ED-510
 This microfiche contains source listings of program(s)
 referenced in title.
 Microfiche

GJD1-1072
 SYSTEM/360 OS LINKAGE EDITOR LOADER
 MICROFICHE LISTINGS - PROGRAM NUMBER 360S-LD-547
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

GJD1-1075
 SYSTEM/360 OS LINKAGE EDITOR F
 MICROFICHE LISTINGS - PROGRAM NUMBER 360S-ED-521
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

GJD1-1076
 SYSTEM/360 OS SER0, SER1
 MICROFICHE LISTINGS - PROGRAM NUMBER 360S-DN-527
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

GJD1-1077
 SYSTEM/360 OS RECOVERY MANAGEMENT
 MICROFICHE LISTINGS - PROGRAM NUMBER 360S-DN-539
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

GJD1-1080
 SYSTEM/360 OS SORT MERGE
 MICROFICHE LISTINGS - PROGRAM NUMBER 360S-SM-023
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

GJD1-1085
 SYSTEM/360 OS TESTRAN
 MICROFICHE LISTINGS - PROGRAM NUMBER 360S-PT-516
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

GJD1-1090
 SYSTEM/360 OS GRAPHIC PROGRAMMING SERVICES
 MICROFICHE LISTINGS - PROGRAM NUMBER 360S-IO-523
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

GJD1-1091
 SYSTEM/360 OS GRAPHIC SUB-ROUTINE PROGRAM
 MICROFICHE LISTINGS - PROGRAM NUMBER 360S-LM-537
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

GJD1-1092
 SYSTEM/360 OS SATELLITE GRAPHIC JOB PROCESS
 MICROFICHE LISTING - PROGRAM NUMBER 360S-RC-543
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

GJD1-1093
 SYSTEM/360 OS GRAPHIC JOB PROCESS
 MICROFICHE LISTING - PROGRAM NUMBER 360S-RC-541
 Contains Type I OS Program Listings and DOS/OS PTF listing.

Microfiche

GJD1-1094
 MICROFICHE - SOURCE LISTING
 SYSTEM/360-OS 1130/360 DATA TRANSMISSION 360S-LM-542
 This microfiche contains source listings of program(s)
 referenced in title.
 Microfiche

GJD1-1095
 SYSTEM/360 OS REPORT PROGRAM GENERATOR
 PROGRAM NUMBER 360S-RG-038
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

GJD1-1096
 MICROFICHE FOR OPERATING SYSTEM RELEASE 20.7 PROGRAMS:
 360S-CI-505 360S-CI-535 360S-CI-555 360S-CQ-548
 360S-DM-508 360S-DM-509 360S-DN-527 360S-DN-533
 360S-DN-554 360S-ED-521 360S-IO-526 360S-LD-547
 360S-LM-512 360S-NL-511 360S-UT-506 360S-UT-507
 This document contains Type I OS program listings and DOS/OS
 PTF listings.
 Microfiche

GJD1-1097
 SYSTEM/360 OPERATING SYSTEM RELEASE SUPPORT DOCUMENTATION
 (MICROFICHE)
 This document contains Type I OS program listings and DOS/OS
 PTF listings.
 Microfiche

GJD1-1098
 SYSTEM/360 OPERATING SYSTEM RELEASE SUPPORT DOCUMENTATION
 (MICROFICHE)
 This document contains Type I OS program listings and DOS/OS
 PTF listings.
 Microfiche

GJD1-1100
 MICROFICHE - SOURCE LISTING
 ATTACHED SUPPORT PROCESSOR (ASP) PROGRAM NUMBER 360A-CX-15X
 This microfiche contains source listings of program(s)
 referenced in title.
 Microfiche

GJD1-1310
 MICROFICHE - SOURCE LISTING
 SYSTEM/360 SIMULATOR 1410/7010 360C-SI-754
 This microfiche contains source listings of program(s)
 referenced in title.
 Microfiche

GJD1-1370
 MICROFICHE - SOURCE LISTING
 SYSTEM/360 SIMULATOR 7070/7074 360C-SI-753
 This microfiche contains source listings of program(s)
 referenced in title.
 Microfiche

GJD1-1380
 MICROFICHE - SOURCE LISTING
 SYSTEM/360 SIMULATOR 7080 360C-SI-551
 This microfiche contains source listings of program(s)
 referenced in title.
 Microfiche

GJD1-1390
 MICROFICHE - SOURCE LISTING
 SYSTEM/360 SIMULATOR 7090/7094 360C-SI-750
 This microfiche contains source listings of program(s)
 referenced in title.
 Microfiche

GJD1-1400
 MICROFICHE - SOURCE LISTING
 SYSTEM/360 EMULATOR (MODEL 40) 1401/1410 360C-EU-074
 This microfiche contains source listings of program(s)
 referenced in title.
 Microfiche

GJD1-1410
 MICROFICHE - SOURCE LISTING
 SYSTEM/360 EMULATOR (MODEL 40) 360C-EU-728
 This microfiche contains source listings of program(s)
 referenced in title.
 Microfiche, 7 cards

GJD1-1420
IBM 7094 EMULATOR FOR THE SYSTEM/360 MODEL 85 UNDER OS/360
MICROFICHE LISTINGS - PROGRAM NUMBER 360C-EU-734
 This microfiche contains source listings of program(s)
 referenced in the title.
 Microfiche

GJD1-1480
IBM OPERATING SYSTEM/360 DOS EMULATOR PROGRAM FOR
SYSTEM/370 MODELS 145 AND 155 - PROGRAM NUMBER 360C-EU-738
 Set of 65 fiche containing source code for 45 modules and
 1 index. Modules are used in DOS emulator program for
 System/370 models 145 and 155.
 Microfiche

GJD1-1500
MICROFICHE - SOURCE LISTING
SYSTEM/360 EMULATOR (MODEL 50) 1410/7010 360C-EU-726
 This microfiche contains source listings of program(s)
 referenced in title.
 Microfiche

GJD1-1510
MICROFICHE - SOURCE LISTING
SYSTEM/360 EMULATOR (MODELS 50 AND 65) 7070/7074 360C-EU-725
 This microfiche contains source listings of program(s)
 referenced in title.
 Microfiche

GJD1-1600
MICROFICHE - SOURCE LISTING
SYSTEM/360 EMULATOR (MODEL 65) 7040/7044 360C-EU-733
 This microfiche contains source listings of program(s)
 referenced in title.
 Microfiche

GJD1-1620
MICROFICHE - SOURCE LISTING
SYSTEM/360 EMULATOR (MODEL 65) 7080 360C-EU-727
 This microfiche contains source listings of program(s)
 referenced in title.
 Microfiche

GJD1-1630
MICROFICHE - SOURCE LISTING
SYSTEM/360 EMULATOR (MODEL 65) 7090/7094 360C-EU-729
 This microfiche contains source listings of program(s)
 referenced in title.
 Microfiche

GJD1-1640
OPERATING SYSTEM 370/165 OS-7094 INTEGRATED EMULATOR
MICROFICHE LISTINGS - PROGRAM NUMBER 360C-EU-740
 This document contains Type I OS program listings and DOS/OS
 PTF listings.
 Microfiche

GJD1-1641
SYSTEM/360 OPERATING SYSTEM EMULATOR FOR 7074
ON 370/165 UNDER OPERATING SYSTEM
PROGRAM LISTING MICROFICHE - PROGRAM NUMBER 360C-EU-739
 This document contains Type I OS program listings and DOS/OS
 PTF listings.
 Microfiche

GJD1-1642
7080 EMULATOR FOR SYSTEM/370 MODEL 165 UNDER OPERATING
SYSTEM/360 - MICROFICHE LISTING - PROGRAM NUMBER 360C-EU-737
 No abstract available.
 Microfiche

GJD1-1643
EMULATOR FOR 7074 ON S/370 MODEL 155 UNDER OS
MICROFICHE - PROGRAM NUMBER 360C-EU-741
 This document contains Type I OS program listings and DOS/OS
 PTF listings.
 Microfiche

GJD1-1700
MICROFICHE - SOURCE LISTING
SYSTEM/360 MODEL 44 BASIC PROGRAMMING SUPPORT (BPS)
360F-UT-601
 This microfiche contains source listings of program(s)
 referenced in title.
 Microfiche

GJD1-1720
MICROFICHE - SOURCE LISTING
SYSTEM/360 MODEL 44 BASIC PROGRAMMING SUPPORT 360F-IO-613
 This microfiche contains source listings of program(s)
 referenced in title.
 Microfiche

GJD1-1740
MICROFICHE - SOURCE LISTING
SYSTEM/360 MODEL 44 1620 SIMULATOR FOR 1620 360C-SI-755
 This microfiche contains source listings of program(s)
 referenced in title.
 Microfiche

GJD1-2000
MICROFICHE - SOURCE LISTING
SYSTEM/360 BASIC PROGRAMMING SUPPORT (BPS)
PROGRAM NUMBERS BEGINNING WITH 360P
 This microfiche contains source listings of program(s)
 referenced in title.
 Microfiche

GJD1-2010
MICROFICHE - SOURCE LISTING
SYSTEM/360-BOS BASIC OPERATING SYSTEM (COMPLETE)
 This microfiche contains source listings of program(s)
 referenced in title.
 Microfiche

GJD1-2012
MICROFICHE - SOURCE LISTING
SYSTEM/360 BOS MACRO LISTINGS, PROGRAM NUMBERS 360B-CL-302,
360B-IO-303, 360B-IO-304, 360B-IO-305
360B-SU-023
 This microfiche contains source listings of program(s)
 referenced in title.
 Microfiche

GJD1-2020
MICROFICHE - SOURCE LISTING
SYSTEM/360-TOS CONTRCL PROGRAM (COMPLETE)
 This microfiche contains source listings of program(s)
 referenced in title.
 Microfiche

GJD1-2032
SYSTEM/360 DISK OPERATING SYSTEM (360N) MACRO LISTINGS
 This microfiche contains assembled program listings for
 DOS/360 BASIC System.
 Microfiche

GJD1-2035
SYSTEM/360 DISK OPERATING SYSTEM
SORT/MERGE - TAPE
MICROFICHE LISTINGS - PROGRAM NUMBER 360N-SM-400
 This microfiche contains assembled program listings for
 DOS/360 Tape Sort/Merge.
 Microfiche

GJD1-2036
SYSTEM/360 DISK OPERATING SYSTEM
SORT/MERGE - DISK
MICROFICHE LISTINGS - PROGRAM NUMBER 360N-SM-450
 This microfiche contains assembled program listings for
 DOS/360 Disk Sort/Merge.
 Microfiche

GJD1-2037
SYSTEM/360 DISK OPERATING SYSTEM
BASIC FORTRAN IV
MICROFICHE LISTING - PROGRAM NUMBER 360N-FO-451
 This microfiche contains assembled program listings for
 DOS/360 FORTRAN D.
 Microfiche

GJD1-2038
SYSTEM/360 DISK OPERATING SYSTEM
COBOL - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-CB-452
 This microfiche contains assembled program listings for
 DOS/360 COBOL D.
 Microfiche

GJD1-2039
SYSTEM/360 DISK OPERATING SYSTEM
SYSTEM CONTROL/IOCS
MICROFICHE LISTINGS - PROGRAM NUMBER 360N-CL-453
 This microfiche contains assembled program listings for
 DOS/360 System Control and BASIC IOCS.
 Microfiche

GJD1-2040
SYSTEM/360 DISK OPERATING SYSTEM
ISFMS - MICROFICHE LISTING - PROGRAM NUMBERS 360N-IO-457,
360N-IO-477, 360N-IO-478
 This microfiche contains assembled program listings for
 DOS/360 ISFMS. Listings for Program Optical Character
 Reader, 360N-IO-478 and Magnetic Character Reader, 360N-
 IO-477 are also included in this form number.
 Microfiche

GJD1

GJD1

GJD1-2042
MICROFICHE - SOURCE LISTING
SYSTEM/360-DOS AUTOTEST 360N-PT-459
 This microfiche contains source listings of program(s) referenced in title.
 Microfiche

GJD1-2043
SYSTEM/360 DISK OPERATING SYSTEM
RPG/DISK - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-RG-460
 This microfiche contains assembled program listings for DOS/360 Report Program Generator.
 Microfiche

GJD1-2044
SYSTEM/360 DISK OPERATING SYSTEM
UTILITY GROUP 1 - MICROFICHE LISTING - PROGRAM 360N-UT-461
 This microfiche contains assembled program listings for DOS/360 Group 1 Utilities - Unit Record/Disk.
 Microfiche

GJD1-2045
SYSTEM/360 DISK OPERATING SYSTEM
UTILITY GROUP 2
MICROFICHE LISTINGS - PROGRAM NUMBER 360N-UT-462
 This microfiche contains assembled program listings for DOS/360 Group 2 Utilities - Tape.
 Microfiche

GJD1-2046
SYSTEM/360 DISK OPERATING SYSTEM
UTILITY GROUP 3
MICROFICHE LISTINGS - PROGRAM NUMBER 360N-UT-463
 This microfiche contains assembled program listings for DOS/360 Group 3 Utilities - Data Cell.
 Microfiche

GJD1-2047
SYSTEM/360 DISK OPERATING SYSTEM
PL/I - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-PL-464
 This microfiche contains assembled program listings for DOS/360 PL/I.
 Microfiche

GJD1-2048
SYSTEM/360 DISK OPERATING SYSTEM
ASSEMBLER - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-AS-465
 This microfiche contains assembled program listings for DOS/360 Assembler D.
 Microfiche

GJD1-2049
SYSTEM/360 DISK OPERATING SYSTEM
ASSEMBLER F - MICROFICHE LISTINGS - PROGRAM 360N-AS-466
 This microfiche contains assembled program listings for DOS/360 Assembler F.
 Microfiche

GJD1-2050
SYSTEM/360 DISK OPERATING SYSTEM
BTAM - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-CQ-479
 This microfiche contains assembled program listings for DOS/360 BTAM.
 Microfiche

GJD1-2052
SYSTEM/360 DISK OPERATING SYSTEM
QTAM - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-CQ-470
 This microfiche contains assembled program listings for DOS/360 QTAM.
 Microfiche

GJD1-2053
SYSTEM/360 DISK OPERATING SYSTEM
MPS UTILITY MACROS
MICROFICHE LISTINGS - PROGRAM NUMBER 360N-UT-471
 This microfiche contains assembled program listings for DOS/360 MPS Utility Program.
 Microfiche

GJD1-2054
S/360 DISK OPERATING SYSTEM
VOCABULARY FILE UTILITY PROGRAM - MICROFICHE LISTINGS
PROGRAM NUMBER 360N-UT-472
 Microfiche assembly listings of System/360 Disk Operating System, vocabulary file utility program, 360N-UT-472.
 Microfiche

GJD1-2055
SYSTEM/360 DISK OPERATING SYSTEM
COMPILER I/O MODULES
MICROFICHE LISTINGS - PROGRAM NUMBER 360N-IO-476

This microfiche contains assembled program listings for DOS/360 Compiler I/O Modules.
 Microfiche

GJD1-2056
SYSTEM/360 DISK OPERATING SYSTEM
FORTRAN IV MICROFICHE LISTING - PROGRAMS 360N-FO-479, LM-480
 This microfiche contains assembled program listings for DOS/360 FORTRAN F. FORTRAN IV Library Subprograms, 360N-LM-480, are included in this form number.
 Microfiche

GJD1-2057
SYSTEM/360 DISK OPERATING SYSTEM RELEASE 26 OLTEP
PROGRAM NUMBER 360N-DN-481
 These microfiche assembly listings are of System/360 Disk Operating System, Release 26, OLTEP, program number 360N-DN-481.
 Microfiche

GJD1-2058
SYSTEM/360 DISK OPERATING SYSTEM
SORT/MERGE DISK/TAPE
MICROFICHE LISTINGS - PROGRAM NUMBER 360N-SM-483
 This microfiche contains assembled program listings for DOS/360 Tape/Disk Sort/Merge.
 Microfiche

GJD1-2059
SYSTEM/360 DISK OPERATING SYSTEM - MICROFICHE LISTINGS -
CE SERVICEABILITY PROGRAM
OLTEP - PROGRAM NUMBER 360N-DN-481
 This microfiche contains assembled program listings for DOS/360 Customer Engineer aids.
 Microfiche

GJD1-2060
SYSTEM/360 DISK OPERATING SYSTEM
ANS COBOL - MICROFICHE LISTING - PROGRAM NUMBER 360N-CB-482
 This microfiche contains assembled program listings for DOS/360 American National Standard COBOL.
 Microfiche

GJD1-2063
DISK OPERATING SYSTEM MODEL 155 EMULATOR
MICROFICHE LISTINGS - PROGRAM NUMBER 360N-EU-490
 These cards contain assembled program listings for the DOS/360 Model 155 Emulator.
 Microfiche

GJD1-2100
EMULATOR FOR 1401/1440/1460 ON THE SYSTEM/370 MODEL 155
UNDER OS, MICROFICHE LISTING - PROGRAM NUMBER 360C-EU-735
 No abstract available.
 Microfiche

GJD1-2150
EMULATOR FOR THE IBM 1401/1440/1460 ON THE SYSTEM/370
MODEL 155 UNDER OS PROGRAM NUMBER 360C-EU-735
MICROFICHE LISTINGS
 No abstract available.
 Microfiche

GJD1-4601 *N
MODEL 20 EMULATOR ON S/370 USING DOS (V4) - PROGRAM NUMBER
370N-IC-002
 Microfiche assembly listings of Model 20 Emulator on System/370 using DOS (V4).
 Microfiche

GJD1-4602 *N
IBM EMULATOR FOR HONEYWELL SERIES 200 ON SYSTEM/370 USING
DOS - MICROFICHE - PROGRAM NUMBER 5799-ADT
 This microfiche contains listings of the Installed User Program 5799-ADT.
 Microfiche

GJD1-4603 *N
IBM EMULATOR FOR RCA 301 ON SYSTEM/370 USING DOS MICROFICHE
PROGRAM NUMBER 5799-ADR
 This microfiche contains listings of the Installed User Program 5799-ADR.
 Microfiche

GJD1-4610
MICROFICHE - SOURCE LISTING
SYSTEM/360 FORTRAN IV TO PL/I LANGUAGE CONVERSION PROGRAM
360C-CV-710
 This microfiche contains source listings of program(s) referenced in title.
 Microfiche

GJD1-4620
MICROFICHE - SOURCE LISTING
SYSTEM/360 COBOL TO PL/I LANGUAGE CONVERSION PROGRAM
360C-CV-712
 This microfiche contains source listings of program(s) referenced in title.
 Microfiche

GJD1-9000
MICROFICHE - SOURCE LISTING
SYSTEM/360 USA STANDARD COBOL LANGUAGE CONVERSION PROGRAM
360C-CV-713
 This microfiche contains source listings of program(s) referenced in title.
 Microfiche

GJD1-9030
MICROFICHE - SOURCE LISTING
SYSTEM/360-TSS (CONTROLLED RELEASE I) 360G-CL-627
 This microfiche contains source listings of program(s) referenced in title.
 Microfiche

SJD2-0001
MICROFICHE FOR OS/VS2 RELEASE 1.6 REFERENCE LISTINGS
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-0010
OS/VS2 SMF (5742-SC1-02)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 2 cards

SJD2-0020
OS/VS2 IEHINITT (5742-SC1-UD)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 5 cards

SJD2-0030
OS/VS2 IEHSTATR (5742-SC1-UE)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 2 cards

SJD2-0040
OS/VS2 TAPE ERP/VES (5742-SC1-CC)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 11 cards

SJD2-0050
OS/VS2 IEBEDIT (5742-SC1-U9)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 3 cards

SJD2-0060
OS/VS2 IEHLIST (5742-SC1-U2)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 5 cards

SJD2-0070
OS/VS2 IEHPROGM (5742-SC1-U3)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 6 cards

SJD2-0080
OS/VS2 CATALOG (5742-SC1-D3)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 12 cards

SJD2-0090
OS/VS2 SMF SCHEDULER (5742-SC1-00)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 9 cards

SJD2-0100
OS/VS2 TSO TRACE (5742-SC1-T9)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 12 cards

SJD2-0110
OS/VS2 PASSWORD PROTECT (5742-SC1-DC)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-0120
OS/VS2 TSO UTILITIES (5742-SC1-T2)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 5 cards

SJD2-0130
OS/VS2 TSO TEST (5742-SC1-T1)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-0140
OS/VS2 EXT/PREC/FLT PT SIM (5742-SC1-CP)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

*N
 SJD2-0160
OS/VS2 IEHMOVE (5742-SC1-UC)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 45 cards

*N
 SJD2-0170
OS/VS2 IEBCOPY (5742-SC1-U6)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 14 cards

SJD2-0180
OS/VS2 IEBGENER (5742-SC1-U7)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 14 cards

SJD2-0190
OS/VS2 IEBUGDTE (5742-SC1-U8)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 8 cards

SJD2-0200
OS/VS2 IEBPTPCH (5742-SC1-UA)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 6 cards

SJD2-0210
OS/VS2 IEBCOMPR (5742-SC1-UK)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 8 cards

SJD2-0220
OS/VS2 IEBSAM (5742-SC1-UH)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 10 cards

SJD2-0230
OS/VS2 IEBDG (5742-SC1-UJ)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 13 cards

SJD2-0240
OS/VS2 TSO EDIT (5742-SC1-T0)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 73 cards

SJD2-0250
OS/VS2 IPL (5742-SC1-C1)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 2 cards

SJD2-0260
OS/VS2 SUPERVISOR (5742-SC1-C5)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 209 cards

SJD2

SJD2-0270
OS/VS2 RMS (5742-SC1-CE)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 45 cards

SJD2-0280
OS/VS2 GSP (5742-SC1-07)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 71 cards

SJD2-0290
OS/VS2 GAM (5742-SC1-G0)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 48 cards

SJD2-0300
OS/VS2 DIDOCS (5742-SC1-C4)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 48 cards

SJD2-0310
OS/VS2 DSS (5742-SC1-10)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 3 cards

SJD2-0320
OS/VS2 TSO SUPERVISOR (5742-SC1-T7)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 46 cards

SJD2-0330
OS/VS2 SYSTEM RESTART (5742-SC1-B3)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 14 cards

SJD2-0350
OS/VS2 ALLOCATION (5742-SC1-B4)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 108 cards

SJD2-0360
OS/VS2 Q MANAGER (5742-SC1-B5)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 48 cards

SJD2-0370
OS/VS2 INITIATOR (5742-SC1-B6)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 44 cards

SJD2-0380
OS/VS2 TERMINATION (5742-SC1-B7)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 36 cards

SJD2-0390
OS/VS2 COMMANDS (5742-SC1-B8)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 93 cards

SJD2-0400
OS/VS2 READER/INTERPRETER (5742-SC1-B9)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 83 cards

SJD2-0410
OS/VS2 TSO SCHEDULER (5742-SC1-T4)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 307 cards

SJD2-0420
OS/VS2 OBR/SDR/EREP (5742-SC1-CD)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 137 cards

SJD2

SJD2-0430
OS/VS2 GFF (5742-SC1-11)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 80 cards

SJD2-0440
OS/VS2 AMASPZAP (5742-SC1-12)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 3 cards

SJD2-0450
OS/VS2 AMDPRDMP (5742-SC1-13)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 35 cards

SJD2-0460
OS/VS2 AMSADMP (5742-SC1-15)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 9 cards

SJD2-0470
OS/VS2 AMAPTFLF (5742-SC1-16)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 6 cards

SJD2-0480
OS/VS2 AMDPRDMP/EDIT (5742-SC1-18)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 25 cards

SJD2-0490
OS/VS2 3735 MACROS/UTILITY (5742-SC1-22)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 4 cards

SJD2-0530
OS/VS2 EXTENDED SVC ROUTER (5742-SC1-CP)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 2 cards

SJD2-0540
OS/VS2 MAPPING MACROS (5742-SC1-01)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 4 cards

SJD2-0550
OS/VS2 OLTEP (5742-SC1-06)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 84 cards

SJD2-0560
OS/VS2 BTAM (5742-SC1-20)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 115 cards

SJD2-0570
OS/VS2 TCAM (5742-SC1-21)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-0580
OS/VS2 IEBTCRIN (5742-SC1-UG)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 102 cards

SJD2-0590
OS/VS2 3505/3525 (5742-SC1-DD)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 13 cards

SJD2-0600
OS/VS2 OCR (5742-SC1-D5)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-0640
OS/VS2 OVERLAY SUPERVISOR (5742-SC1-C2)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 3 cards

SJD2-0650
OS/VS2 FETCH (5742-SC1-C7)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 3 cards

SJD2-0660
OS/VS2 SAM (5742-SC1-D0)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 196 cards

SJD2-0670
OS/VS2 PAM (5742-SC1-D2)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 4 cards

SJD2-0680
OS/VS2 MICR (5742-SC1-D6)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 10 cards

SJD2-0690
OS/VS2 DAM (5742-SC1-D7)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 46 cards

SJD2-0700
OS/VS2 IOS (5742-SC1-C3)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 12 cards

SJD2-0710
OS/VS2 DASD ERP (5742-SC1-CA)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 2 cards

SJD2-0720
OS/VS2 UNIT RECORD ERP (5742-SC1-CB)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 20 cards

SJD2-0730
OS/VS2 TSO SUBRIN TCAM (5742-SC1-T8)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 9 cards

SJD2-0740
OS/VS2 TSO DATA MANAGEMENT (5742-SC1-T3)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 48 cards

SJD2-0750
OS/VS2 IBCDMPRS (5742-SC1-I0)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 4 cards

SJD2-0760
OS/VS2 IBCDASDI (5742-SC1-I1)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 3 cards, 90 image

SJD2-0770
OS/VS2 IEHDASDR (5742-SC1-U0)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 32 cards

SJD2-0780
OS/VS2 IEHATLAS (5742-SC1-UF)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 9 cards

SJD2-0790
OS/VS2 SYSOUT WRITER (5742-SC1-B2)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 23 cards

SJD2-0800
OS/VS2 ICAPRTBL (5742-SC1-I2)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 2 cards, 90 image

SJD2-0810
OS/VS2 ISAM (5742-SC1-D8)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-0820
OS/VS2 CHECKPOINT/RESTART (5742-SC1-09)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-0830
OS/VS2 OPEN/CLOSE/EOV (5742-SC1-D1)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 271 cards

SJD2-0840
OS/VS2 DADSM (5742-SC1-D4)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-0850
OS/VS2 LINK LOADGO PROMPTER (5742-SC1-T5)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 7 cards

SJD2-0860
OS/VS2 LINKAGE EDITOR (5742-SC1-04)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 24 cards

SJD2-0870
OS/VS2 LOADER (5742-SC1-05)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 6 cards

SJD2-0880
OS/VS2 AMBLIST (5742-SC1-14)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 12 cards

SJD2-0890
OS/VS2 ASSEMBLER XF (5742-SC1-03)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 46 cards

SJD2-1220 *N
OS VS2 VTAM REL 1.6 - PROG. NO. 5742-SC1-DE
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2000
IPL OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-C1
 This document contains Type I OS program listings and DOS/OS PTF listings.
 Microfiche

SJD2-2001
IOS/OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-C3
 This document contains Type I OS program listings and DOS/OS PTF listings.
 Microfiche

SJD2-2002
SUPERVISOR OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-C5
 This document contains Type I OS program listings and DOS/OS PTF listings.
 Microfiche, 126 cards

SJD2-2003

MAPPING MACROS OS/VS1 RELEASE 2 - PROGRAM NUMBER
5741-SC1-01
 Assembled listings - 2 modules.
 Microfiche

SJD2-2004

MODULE/MACRO TOTAL SYSTEM INDEX OS/VS1 RELEASE 2
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as
 specified in the title.
 Microfiche

SJD2-2009

SCHEDULER SMF OS/VS1 MICROFICHE LISTING - COMPONENT
NUMBER 5741-SC1-00
 This document contains Type I OS program listings and DOS/OS
 PTF listings.
 Microfiche, 22 cards

SJD2-2010

UNIT RCD ERP OS/VS1 MICROFICHE LISTING - COMPONENT
NUMBER 5741-SC1-CB
 This document contains Type I OS program listings and DOS/OS
 PTF listings.
 Microfiche

SJD2-2014

JECS OS/VS1 MICROFICHE LISTING - COMPONENT
NUMBER 5741-SC1-B0
 This document contains Type I OS program listings and DOS/OS
 PTF listings.
 Microfiche

SJD2-2015

I/P STREAM CTL OS/VS1 MICROFICHE LISTING - COMPONENT
NUMBER 5741-SC1-B1
 This document contains Type I OS program listings and DOS/OS
 PTF listings.
 Microfiche

SJD2-2016

O/P STREAM CTL OS/VS1 MICROFICHE LISTING - PROGRAM
NUMBER 5741-SC1-B2
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as
 specified in the title.
 Microfiche

SJD2-2017

SYSTEM RESTART OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-B3
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as
 specified in the title.
 Microfiche

SJD2-2018

ALLOCATION OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-B4
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as
 specified in the title.
 Microfiche, 90 cards

SJD2-2019

Q MANAGER OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-B5
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as
 specified in the title.
 Microfiche

SJD2-2020

INITIATOR OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-B6
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as
 specified in the title.
 Microfiche

SJD2-2021

TERMINATION OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-B7
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as
 specified in the title.
 Microfiche

SJD2-2022

COMMANDS OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-B8
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as
 specified in the title.
 Microfiche

*N SJD2-2023

INTERPRETER OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-B9
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as
 specified in the title.
 Microfiche

*N

SJD2-2024

OS/VS1 RESTART RDR/DSDR PROCESSING (5741-SC1-BD)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as
 specified in the title.
 Microfiche

SJD2-2025

SYSTEM LOG OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-BE
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as
 specified in the title.
 Microfiche

SJD2-2026

WTP OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-BF
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as
 specified in the title.
 Microfiche

SJD2-2027

MSI OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-BG
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as
 specified in the title.
 Microfiche, 1 card

SJD2-2028

IMCJOBOD OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-17
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as
 specified in the title.
 Microfiche

SJD2-2030

DIDOCs OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-C4
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as
 specified in the title.
 Microfiche

SJD2-2031

GAM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-G0
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as
 specified in the title.
 Microfiche

SJD2-2032

GSP OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-07
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as
 specified in the title.
 Microfiche

SJD2-2033

RMS OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-08
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as
 specified in the title.
 Microfiche

SJD2-2034

OS/VS1 ASSEMBLER XF (5741-SC1-03)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as
 specified in the title.
 Microfiche

SJD2-2038

OBR/EREP/RDE OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-CD
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as
 specified in the title.
 Microfiche

SJD2-2041

GTF OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-11
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as
 specified in the title.
 Microfiche

SJD2-2042

HMASPZAP OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-12
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as
 specified in the title.
 Microfiche

SJD2-2043
HMDPRDMP OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-13
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2044
HMDSADMP OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-15
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2045
HMAPIFLE OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-16
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2046
OLTEP OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-06
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2047
EXTENDED SVC ROUTER OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-CF
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2048
IEHLIST MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-U2
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2049
BTAM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-20
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 85 cards

SJD2-2050
OS/VS1 TCAM LEVEL 2 (5744-AW1)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2051
OCR OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-D5
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2053
IEBTRCIN OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-UG
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2054
CHECKPOINT RESTART OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-09
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2055
FETCH OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-C7
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2056
OVERLAY SUPERVISOR MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-C2
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2057
SAM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-D0
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2058
OPEN/CLOSE/EOV OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-D1
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2059
PAM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-D2
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2060
DADSM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-D4
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2061
MICR OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-D6
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2062
DAM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-D7
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2063
ISAM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-D8
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2064
JAM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-D9
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2067
DASD ERP OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-CA
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2068
OS/VS1 LINKAGE EDITOR MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-04
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2069
LOADER OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-05
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2074
OS/VS1 JES COMPATIBILITY INTERFACE (5741-SC1-DB)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2076
HMBLIST OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-14
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2077
IBCDMPRS OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-I0
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.

Microfiche

SJD2-2078
IBCDA5DI MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-I1
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2079
ICAPRTBL MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-I2
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2080
IEHDASDR OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-U0
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2081
IEHIOSUP OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-U1
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2082
IEHATLAS OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-UF
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2084
CRJE OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-0A
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2085
IEBCOPY OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-U6
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2086
OS/VS1 IEBSGENER (5741-SC1-U7)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2087
IEBUPDTE OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-U8
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2088
IEBPTPCH OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-UA
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2089
OS/VS1 IEBCOMPR (5741-SC1-UK)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2090
IEBISAM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-UH
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2091
IEBDG OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-UJ
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2092
IEHMOVE OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER - 5741-SC1-UC
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2094
SMF OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER - 5741-SC1-02
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2096
OS/VS1 IEHPROGM (5741-SC1-U3)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2097
OS/VS1 IEHINIT (5741-SC1-UD)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2098
OS/VS1 IEHSTATR (5741-SC1-UE)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2099
CATALOG OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER - 5741-SC1-D3
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2100
PASSWORD PROTECT OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER - 5741-SC1-DC
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2101
TAPE ERP/VES OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER - 5741-SC1-CC
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SJD2-2102
IEBEDIT OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER - 5741-SC1-U9
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

GJD2-4001
DOS/360 BTAM MICROFICHE LISTING - PROGRAM NUMBER 360N-CQ-469 *N
 Contains Type I DOS program listings as specified in the title.
 Microfiche

GJD2-4002
370 DOS BTAM, MICROFICHE LISTING, PROG. NO. 370N-CQ-469 *N
 Contains Type I DOS program listings as specified in the title.
 Microfiche

GJD2-4100
IBM 3705 SYSTEM SUPPORT PACKAGE FOR OS - MICROFICHE LISTING - PROG. NO. 360H-TX-035 *N
 This is the type 1 3705 microfiche support package for OS, program number 360H-TX-036.
 Microfiche

GJD2-4101
IBM 3705 SYSTEM SUPPORT PACKAGE FOR DOS - MICROFICHE LISTING - PROGRAM NUMBER 360H-TX-036 *N
 This is the IBM 3705 Microfiche System Support Package for DOS, program number 360H-TX-036.
 Microfiche, 56 cards, red stripe

GJD2-4102
3705 EMULATOR UNDER OS - MICROFICHE LISTING - PROGRAM NUMBER 360H-TX-033 *N
 Contains Type I OS program listings as specified in the title.

- Microfiche
- SJD2-4103
3705-OS/VS-ASM PROGRAM LISTING MICROFICHE INDEPENDENTLY DISTRIBUTED PROGRAM 5744-AN1
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
- SJD2-4104
IBM 3705 EMULATOR PROGRAM FOR VIRTUAL STORAGE - MICROFICHE PROGRAM NUMBER 360H-TX-033
 No abstract available.
 Microfiche
- GJD2-4105
IBM 3705 NETWORK CONTROL PROGRAM
 Contains Type I OS program listings as specified in the title.
 Microfiche
- GL19-0003
CUSTOM SYSTEM DESCRIPTION: IBM 2970 MODEL 8 BANK TERMINAL, RPQ 858230
 The IBM 2970 Model 8 Bank Terminal is an Input/Output Writer, cable-connected to a Control Unit. The keyboard of the I/O Writer is similar to that of a typewriter, but with the convenience of an adding-machine-layout portion for teller's entry, via the Control Unit and communications facilities, of financial transaction information. A System/360 performs computations and remotely operates the I/O Writer to update passbooks and other documents. This manual provides basic information for planning for 2970 Model 8's in a bank system, for programming bank applications, and for setup and operations by supervisors and tellers. The manual is prepared for use by systems analysts and systems engineers with a knowledge of bank policies, programmers with a knowledge of the System/360 programming system used at their particular installation, and supervisors and tellers with a knowledge of their bank's procedures.
 Systems Reference Library Manual, 50 pages
- GL21-9071
IBM 2501 CARD READER, MODELS A AND B RPQ FEATURES
 This publication describes two RPQ features; i.e. second stacker and 51/80 column card features. To use this publication effectively, the reader must be familiar with the operations of the standard IBM 2501 Models A1, A2, B1, and B2. The operations of the 2501 Models A1 and A2 are described in the publication, IBM SYSTEM/360 MODEL 20, 2501 CARD READER, Form A26-5892. The operations of the 2501 Models B1 and B2 are described in the publication, IBM 2501 MODELS B1 AND B2, COMPONENT DESCRIPTION AND OPERATING PROCEDURES, Form A21-9026.
 Systems Reference Library Manual, 16 pages
- GL22-6871
IBM SYSTEM/360 2911 MANUAL SWITCHING UNIT MODELS 1, 2, and 5 AND 2989 REMOTE SWITCHING CONSOLE SPECIAL SYSTEMS FEATURE
 This bulletin describes the function of the 2911 Manual Switching Unit and the 2989 Remote Switching Console for System/360 signal lines.
 Systems Reference Library Manual, 16 pages
- GL22-6901
IBM 2937 MODELS 1, 2, AND 3, MULTIPLIER-SUMMATION PROCESSOR, SPECIAL SYSTEM FEATURE, RPQ 880626
 This bulletin describes the function of the multiplier summation processor as an input/output device of the IBM System/360. Physical and electrical requirements are given along with illustrations of the formation of final product sums.
 Systems Reference Library Manual, 16 pages
- GL22-6902
IBM SYSTEM/360 MODEL 40 SUM OF PRODUCTS INSTRUCTION - RPQ W12561 SPECIAL SYSTEMS FEATURE
 This bulletin describes the function of a new instruction, Sum of Products, as an option of System/360 Model 40. Computation of the convolution integral is possible with this single instruction. The instruction is described and timing and overflow considerations are given.
 Systems Reference Library Manual, 2 pages
- GL22-6903
IBM SYSTEM/360 MODEL 40, HALFWORD TRANSLATE INSTRUCTION - RPQ W13462 SPECIAL SYSTEMS FEATURE
 This bulletin describes the function of a new instruction, Halfword Translate, as an option of System/360 Model 40. The instruction is used in a data move operation. A description of the instruction is given, together with its timing.
 Halfword Translate, a new instruction in System/360 Model 40, operates in a manner similar to the normal translate instruction. The two instructions differ in that the translate table is halfword translate occupies a possible 65,536 bytes or 32,768 halfword entries. Instruction functions are in accordance with the following description. The instruction is used in a data move type operation, selecting data from a record and forming a table of data which can be used with RPW W12561, Sum of Products instruction. Halfword translate uses the SS format and operation code E3.
 Systems Reference Library Manual, 2 pages
- GL22-6904
IBM SYSTEM/360 MODEL 40, TABLE ADDRESS CHAINING - RPQ W13518 SPECIAL SYSTEMS FEATURE
 This bulletin describes the function of table address chaining as a System/360 Model 40 I/O data chaining option. A description of the option is given together with restrictions for use of the option.
 System Reference Library Manual, 2 pages
- GL22-6928
IBM AIRLINES RESERVATION SYSTEM, REMOTE EQUIPMENT INSTALLATION MANUAL - PHYSICAL PLANNING
 This manual contains information necessary for planning the physical installation of the remote equipment for an IBM Airlines Reservation System. In addition to technical information needed for physical installation planning, it contains recommendations and suggestions to be used as a guide only in planning an efficient and pleasant installation. The customer should make such arrangements as he deems necessary for professional consultant's services in planning his installation. It is important that local and national code requirements be adhered to by the customer.
 Systems Reference Library Manual, 32 pages
- GL22-6936
IBM 2914 SWITCHING UNIT MODEL 1, RPQ 880882, CUSTOM FEATURE: INSTALLATION MANUAL - PHYSICAL PLANNING
 This manual contains physical planning data necessary to install the IBM 2914 Switching Unit Model 1. The planning requirements of this unit are subject to modification by engineering developments. In any multiple-equipment installation, specifications for the most critical unit must be met.
 Manual, 22 pages
- GL22-6937
IBM SYSTEM/360 CUSTOM FEATURE DESCRIPTION 2914 SWITCHING UNIT MODEL 1 - RPQ 880882
 This publication describes the organizational, functional, and operational characteristics of the IBM 2914 Switching Unit Model 1, which attaches to the IBM System/360 Models 25, 30, 40, 44, 50, 65, 67, 75, and 85. Attachment to a System/360 is via the standard System/360 I/O interface of a selector or multiplexer channel.
 Systems Reference Library manual, 19 pages
- GL22-6940
IBM 2969 PROGRAMMABLE TERMINAL INTERCHANGE MODEL 1--RPQ888117
 This reference manual contains a direct, comprehensive description of the IBM 2969-1 system structure; of the logical, translation, switching, and input/output operations; and of the interruption system. The 2969-1 is a stored-program teleprocessing unit, which performs the functions of a highly sophisticated communications network-CPU. The CPU may be an IBM System/360 Model 50, 65, or 195 under control of the Airlines Control Program or an equivalent control program using the same interface.
 Systems Reference Library Manual, 142 pages
- GL22-6945
IBM 2969 PROGRAMMABLE TERMINAL INTERCHANGE MODEL 1, RPQ 888117 - INSTALLATION MANUAL - PHYSICAL PLANNING
 This manual contains all the physical planning data necessary to install the IBM 2969 Programmable Terminal Interchange Model 1, RPQ 888117. The requirements are subject to modification by engineering developments. Note that in any multiple-equipment installation, specifications for the most critical unit must be met. Data is given in the standard format and with the standard symbols found in IBM System/360 Installation Manual - Physical Planning (GC22-6820), which is a required reference. This publication is intended for use by customer and IBM installation planning personnel, as well as architects, and electrical and building contractors.
 Systems Reference Library Manual, 24 pages
- GL22-6960
IBM RESERVATION SYSTEM CUSTOM FEATURE DESCRIPTION
 This publication describes the functional and operational characteristics of the input/output units used as remote and local equipment in an IBM Reservation System. These

input/output units form a subsystem for the generation and display of reservation messages to and from the central processing unit (CPU). The subsystem can attach to the CPU either directly, via wire lines, or remotely, via leased common-carrier or private telephone lines.

This manual is intended for users of reservation systems and assumes a background knowledge of data processing equipment and basic teleprocessing techniques.
Manual, 28 pages

GL22-6979

IBM 2947 MODEL 4 CHECK COLLECTION CONTROLLER (RPQ 888264)
FUNCTIONAL CHARACTERISTICS - REFERENCE MANUAL

This publication describes the overall functions, organization, and operation of the IBM 2947 Model 4 Check Collection Controller. Information concerning reader-sorter and printer operations with the required definitions for initialization data, sort control words, printer control and formatting data, and sense and status data are provided.

Although generally the information is written to an audience level of a systems engineer, it may be of interest to anyone seeking information about the general characteristics and operation of the 2947 Model 4. In particular, the information required to supplement the Assembly Facility User's Guide (LC28-6689) in writing assembly language user programs for the 2947 Model 4 is provided.

The reader is assumed to have an understanding of banking data processing and a basic knowledge of the IBM 1419 Model 1 Magnetic Character Reader and the IBM 1403 Model N1 Printer as described in IBM 1219 Reader Sorter, IBM 1419 Magnetic Character Reader (GA24-1499), and IBM 1403 Printer Component Description (GA24-3073).

This information is subject to engineering development modification.
Systems Library Manual, 68 pages

GL22-6982

IBM 2947 CHECK COLLECTION CONTROLLER MODEL 4 (RPQ 888264)
INSTALLATION MANUAL PHYSICAL PLANNING

This manual contains all physical planning data necessary to install the IBM 2947-4 Check Collection Controller.

If a unit is to be installed in conjunction with a computer system, specifications for the most critical unit must be met. Similarly, units installed in conjunction with the 2947-4 require specifications to be met for the most critical unit in the installation.

Data follows the same format and uses the same standardized symbols as IBM System/360 Installation Manual Physical Planning (GC22-6820).
Manual, 6 pages

GL22-7015

IBM 7441-1/1980-9 CUSTOM TERMINAL FUNCTIONAL CHARACTERISTICS
OPERATING PROCEDURES AND PHYSICAL PLANNING

This manual describes the operations, controls and special features of the IBM 7441 Buffered Terminal Control (Model 1) and the IBM 1980 Buffered Terminal (Model 9). The communications facilities that can be used with the teleprocessing terminal are described. Appendixes containing the physical planning specifications, RPQ numbers, a glossary of terms, terminal service procedures, a problem identification chart and character coding are provided.

Manual, 52 pages

GL24-3570

IBM 2946 TERMINAL CONTROL SUBSYSTEM
COMPONENT DESCRIPTION AND OPERATING GUIDE

This reference publication describes the IBM 2946 Terminal Control Subsystem used with an IBM Programmed Airlines Reservations System (PARS), or equivalent. Subsystem components are: IBM 2946 Terminal Control Unit Model 1 and 2, and 4 (RPQ 810480, RPQ 810491, and RPQ 810555), IBM 4505 Model 22 Keyboard (RPQ 8G0019), IBM 4505 Model 23 Video Display (RPQ 8G0016), and IBM 1980 Model C24 Printer (RPQ 888126). Presented for reservations system planners, programmers, and terminal operators are: unit descriptions, line control, message formats, operator controls, and operating procedures.

For reservations system operation and terminology, refer to PARS Terminal User's Guide A09-6160, available through the local sales representative.
Manual, 32 pages

GL24-3571

IBM 2946 TERMINAL CONTROL SUBSYSTEM INSTALLATION MANUAL
PHYSICAL PLANNING

This publication provides physical planning information for the IBM 2946 Terminal Control Unit Models 1, 2, and 4 (RPQ 810480, RPQ 810491, and RPQ 810555), and associated input/output units used in an IBM Programmed Airlines Reservations System (PARS): IBM 4505 Model 22 Keyboard (RPQ 8G0019), IBM 4505 Model 23 Video Display (RPQ 8G0016), IBM 1980 Model C24 Printer (RPQ 888126), and IBM 7411 Model 1 Remote Terminal Control Unit (RPQ 8K0142). Included are physical specifications and cable, electrical, and environmental requirements.

For related publications, see IBM System/360 and

System/370 Bibliography, GA22-6822.
Manual, 20 pages

GL24-3591

IBM 2927 TAPE-TO-PRINTER UNIT RPQ 812390 & 812391
COMPONENT DESCRIPTION

This reference publication for system planners, programmers, and operators provides information required to use the IBM 2927 Tape-to-Printer Unit. The 2927 consists of two tape drives and a control unit (RPQ 812390) and a printer control unit (RPQ 812391). Used with an IBM 1403 Printer Model N1, the 2927 serves as a stand-alone, programmable tape-to-printer system.

Major subjects presented are:

- o Tape Drives--drive controls, operating procedures, and user maintenance
- o Tape Control Unit--I/O operations, command codes, and programming and status information
- o Printer Control Unit--core storage allocations, data flow, logical processing and transferring of data, error detection and recovery, and operating procedures
- o Programming Concepts--coding examples and instructions for building a loadable program tape. Referenced are several programs that can be adapted to the 2927 tape-to-printer operation.

Prerequisite publications are IBM System/360 Principles of Operation, Order Number GA22-6821, and IBM System/360 Reference Card, GX20-1703.
Manual, 100 pages

GL24-3592

IBM 2927 TAPE-TO-PRINTER UNIT, RPQ 812390 AND 812391:
INSTALLATION MANUAL - PHYSICAL PLANNING

This publication provides physical planning information for those planning for and preparing for the site for the installation of the IBM 2927 Tape-to-Printer Unit which consists of a tape control unit (RPQ 812390) and a printer control unit (RPQ 812391). Included are physical specifications, and cable, electrical, and environmental requirements.

For the function and operation of this unit, refer to IBM 2927 Tape-To-Printer Unit Component Description and Operating Procedures (GL24-3591). For general physical planning information, refer to IBM System/360 Installation Manual--Physical Planning (GA22-6820). For related publications, see IBM System/360 and System/370 Bibliography (GA22-6822).
Manual, 8 pages

GL24-3596

IBM 2922 PROGRAMMABLE TERMINAL RPQ'S 810563, 810564, 810565
INSTALLATION MANUAL--PHYSICAL PLANNING

This publication provides physical planning information for those planning and preparing a site for the installation of the IBM 2922 Programmable Terminal that consists of an IBM 2922-1 Terminal Control Unit, an IBM 2922-2 Terminal Printer, and an IBM 2922-3 Terminal Card Reader. Included are physical specifications and cable, electrical, and environmental requirements.

For the function and operation of this unit, refer to IBM 2922 Programmable Terminal Component Description, GL24-3597. For general physical planning information, refer to IBM System/360 Installation Manual--Physical Planning, GA22-6820, or IBM System/370 Installation Manual--Physical Planning, GC22-7004.
Installation Manual, 10 pages

GL24-3597

IBM 2922 PROGRAMMABLE TERMINAL (RPQ 810563, 810564 AND 810565) COMPONENT DESCRIPTION AND OPERATING PROCEDURES

This publication, for system planners, programmers, and operators, presents the functional description and operating procedures of the IBM 2922 Programmable Terminal. The 2922 consists of a 2922-1 Terminal Control Unit (RPQ 810563), cable-connected to a 2922-2 Terminal Printer (RPQ 810564) and a 2922-3 Terminal Card Reader, RPQ 810565. In addition, the IBM 2152 Printer-Keyboard, RPQ 810581, and the IBM 1442 Card Punch Model 5, RPQ AD1629, can be attached (optional). In this publication:

- o Chapter 1 - describes the 2922-1: data formats, instructions, time sharing, arithmetic and logical functions, and gives programming suggestions and terminal console operations.
- o Chapter 2 - presents operating procedures and associated instructions for the reader, printer and optional printer-keyboard, and an optional card punch.
- o Chapter 3 - discusses the binary synchronous communications adapter: operating principles, transmission codes, instruction sets, control characters, and sense information.
- o Appendixes contain reference information: conversion tables, operation and condition codes, instruction examples, stop codes, and a glossary.

Terminal, Component Description, Order No. GA27-3005.
Manual, 272 pages

- GL27-3009
2905 REMOTE MULTIPLEXER COMPONENT DESCRIPTION
 This publication describes the IBM 2905 Remote Multiplexer and its operation. The 2905 is used with various IBM and common-carrier terminals and is connected to an IBM System/360 through the IBM 2906 Data Transmission Unit. Communication facilities that can be used with the 2905 are specified.
 Systems Reference Library Manual, 116 pages
- GL27-3010
IBM SYSTEM/360 CUSTOM SYSTEMS UNIT, 2905 REMOTE MULTIPLEXER, 2906 TRANSMISSION CONTROL, INSTALLATION MANUAL - PHYSICAL PLANNING
 This publication contains detailed physical-planning information for the IBM 2905 Remote Multiplexer and the IBM 2906 Transmission Control. Dimensions, weights, cable specifications, service clearances, physical specifications, and electrical and environmental requirements for each unit are included.
 Systems Reference Library Manual, 10 pages
- GL27-3022
CUSTOM SYSTEM DESCRIPTION: IBM 2740-1/2950-2 BATCH BUFFER TERMINAL SYSTEMS REFERENCE
 This manual describes the IBM 2740-1/2950-2 Batch Buffer Terminal, which consists of a modified 2740 Communication Terminal Model 1 attached to a 2950 Model 2 Batch Buffer. Specific information is given on configurations, operational characteristics, operating procedures, and special features. This manual is intended for use by systems analysts, systems engineers, customer supervisory personnel, and 2740/2950 operators. Readers should have a basic knowledge of teleprocessing and disk operating principles.
 Manual, 36 pages
- GL27-3025
IBM 2740-1/2950-2 BATCH BUFFER TERMINAL INSTALLATION MANUAL - PHYSICAL PLANNING
 This manual, when used with the SRL (Systems Reference Library) publication IBM REMOTE MULTIPLEXERS AND COMMUNICATIONS TERMINALS: INSTALLATION MANUAL-PHYSICAL PLANNING, Form A27-3006, will provide the information necessary to plan your physical facilities and communication lines for installing the 2740-1/2950-2 Batch Buffer Terminal. SRL Form A27-3006 provides detailed requirements for the IBM 2740-1 and necessary communication lines. All cables are supplied by IBM and shipped with the units.
 Systems Reference Library Manual, 7 pages
- GL27-6939
IBM SYSTEM/360 OPERATING SYSTEM RELEASE 20 MFT GUIDE A FIXED NUMBER OF TASKS (MFT) PROGRAM NUMBER 360S-CI-505
 No abstract available.
 Manual
- GQ28-0617
OS/VS ICL SERVICES
 This manual is equivalent to GC28-0617-01 and is for use with OS/VS1 Release 1 and VS2 Release 1.
 Manual, 96 pages
- GQ28-6551
OS STORAGE ESTIMATES (PRIOR RELEASE)
 This publication is a prior edition of publication order number GC28-6551 and is used with OS Release 20.0.
 Manual
- GQ28-6554
OS/360 SYSTEM GENERATION
 This manual is equivalent to GC28-6554-11 and is for use with OS Release 21.0.
 Manual
- GQ28-6628
OS SYSTEM CONTROL BLOCKS (PRIOR EDITION)
 This publication is a prior edition of publication order number GC28-6628 and is used with OS Release 20.0.
 Manual
- GQ28-6631
OS MESSAGES AND CODES (PRIOR EDITION)
 This publication is a prior edition of publication order number GC28-6631 and is used with OS Release 20.0.
 Manual
- GQ28-6646
OS SUPERVISOR SERVICES AND MACRO INSTRUCTIONS (PRIOR EDITION)
 This publication is a prior edition of publication order number GC28-6646 and is used with OS Release 20.
 Manual
- GQ28-6650
IBM SYSTEM/360 OPERATING SYSTEM RELEASE 20 ON-LINE TEST EXECUTIVE PROGRAM SYSTEMS REFERENCE LIBRARY MANUAL - PROGRAM NUMBER 360S-DN-533
 No abstract available.
 Manual
- GQ28-6680
OS/360 TAPE LABELS
 This manual is equivalent to GC28-6680-4 and is for use with OS Release 21.0.
 Manual
- GQ28-6703
IBM SYSTEM/360 OPERATING SYSTEM RELEASE 20 JOB CONTROL LANGUAGE USER'S GUIDE
 No abstract available.
 Manual
- GQ28-6720
OS MVT GUIDE (PRIOR EDITION)
 This publication is a prior edition of publication order number GC28-6720 and is used with OS Release 20.0.
 Manual
- GQ30-2034
OS/VS TCAM PROGRAMMER'S GUIDE - PROGRAM NUMBER 5742-SC1-21
 This manual is equivalent to GC30-2034-1 and is for use with OS/VS2 Release 1.0.
 Manual, 635 pages
- GQ38-0120
OPERATOR'S LIBRARY: OS/VS CONSOLE CONFIGURATIONS
 This manual is equivalent to GC38-0120-00 and is for use with OS/VS1 Release 1 and VS2 Release 1.
 Manual, 28 pages
- GQ38-1004
OS/VS MESSAGE LIBRARY: ROUTING AND DESCRIPTOR CODES
 This manual is equivalent to GC38-1004-01 and is for use with OS/VS1 Release 1 and VS2 Release 1.
 Manual, 32 pages
- GQ38-1005
OS/VS MESSAGE LIBRARY UTILITIES MESSAGES
 This manual is equivalent to GC38-1005-1 and is for use with OS/VS Release 1.0/1.6.
 Manual
- GQ38-1006
OS/VS MESSAGE LIBRARY: SERVICE AIDS AND OLTEP MESSAGES
 This manual is equivalent to GC38-1006-01 and is for use with OS/VS1 Release 1 and VS2 Release 1.
 Manual
- SQ66-3785
OS/VS OPEN/CLOSE/EOV LOGIC
 This manual is equivalent to SY26-3785-01 and is for use with OS/VS1 Release 1 and VS2 Release 1.
 Manual, 242 pages
- GQ68-6660
OS MVT JOB MANAGEMENT - PLM (PRIOR EDITION)
 This publication is a prior edition of publication order number GY28-6660 and is used with OS Release 20.0.
 Manual
- SQ75-0003
OS/VS CATALOG MANAGEMENT LOGIC
 This manual is equivalent to SY35-0003-01 and is for use with OS/VS1 Release 1 and VS2 Release 1.
 Manual
- SR20-1078
SYSTEM/360 - 370 OPERATOR'S REFERENCE GUIDE
 This manual is intended for use by anyone operating a S/360. Topics covered include: trouble analysis (flow charts), manual procedures on the CPU, sense and status data, IPL procedure, I/O device handling procedures, and Operating System information on OS and DOS.
 Manual, 3-3/4" by 6-5/8", 188 pages
- GR20-4260
INTRODUCTION TO VIRTUAL STORAGE IN SYSTEM/370 STUDENT TEXT
 This student text explains the concepts of dynamic relocation, dynamic address translation and virtual storage and it defines all related terminology. The student text describes a theoretical virtual storage system that is closely related to the implementation of OS/VS and DOS/VS, and it then describes how virtual storage is implemented in the OS/VS and DOS/VS systems on System/370.

Student Text, 96 pages

GT00-0001

OS IBM 1285, 1287 AND 1288 OPTICAL READER DATA MANAGEMENT MACROS AND SERVICES (PRIOR EDITION)
This publication is a prior edition of publication order number GC21-5004 and is used with OS Release 20.1, Release 20.0 and Release 19.
Manual

GT00-0002

OS DATA MANAGEMENT SERVICES (PRIOR EDITION)
This publication is a prior edition of publication order number GC26-3746 and is used with OS Release 20.1 and Release 20.0.
Manual

GT00-0003

OS ASSEMBLER (F) PROGRAMMER'S GUIDE PROGRAM NUMBER 360S-AS-037 (PRIOR EDITION)
This publication is a prior edition of publication order number GC26-3756 and is used with OS Release 20.1 and Release 20.0.
Manual

GT00-0004

OS GRAPHIC PROGRAMMING SERVICES FOR THE IBM 2260 DISPLAY STATION - PROGRAM NUMBER 360S-IO-523 (PRIOR EDITION)
This publication is a prior edition of publication order number GC27-6912 and is used with OS Release 20.1, Release 20.0 and Release 19.
Manual

GT00-0005

OS MFT GUIDE - PROGRAM NUMBER 360S-CI-505 (PRIOR EDITION)
This publication is a prior edition of publication order number GC27-6939 and is used with OS Release 20.1.
Manual

GT00-0006

OS ASSEMBLER LANGUAGE - PROGRAM NUMBERS 360S-AS-036 360S-AS-037 (PRIOR EDITION)
This publication is a prior edition of publication order number GC28-6514 and is used with OS Release 20.1 and Release 20.0.
Manual

GT00-0007

OS LINKAGE EDITOR AND LOADER PROGRAM NUMBERS 360S-ED-521, 360S-ED-510 AND 360S-LD-547 (PRIOR EDITION)
This publication is a prior edition of publication order number GC28-6538 and is used with OS Release 20.1, Release 20.0 and Release 19.
Manual

GT00-0008

OS SORT/MERGE - PROGRAM NUMBER 360S-SM-023 (PRIOR EDITION)
This publication is a prior edition of publication order number GC28-6543 and is used with OS Release 20.1 and Release 20.0.
Manual

GT00-0009

OS DATA MANAGEMENT FOR SYSTEM PROGRAMMER'S GUIDE PROGRAM NUMBER 360S-CI-555 (PRIOR EDITION)
This publication is a prior edition of publication order number GC28-6550 and is used with OS Release 20.1.
Manual

GT00-0010

OS STORAGE ESTIMATE (PRIOR RELEASE)
This publication is a prior edition of publication order number GC28-6551 and is used with OS Release 20.1.
Manual

GT00-0011

OS SYSTEM GENERATION (PRIOR RELEASE)
This publication is a prior edition of publication order number GC28-6554 and is used with OS Release 20.1 and Release 20.0.
Manual

GT00-0012

OS UTILITIES - PROGRAM NUMBERS 360S-UT-506, 360S-UT-507 (PRIOR EDITION)
This publication is a prior edition of publication order number GC28-6586 and is used with OS Release 20.1 and Release 20.0.
Manual

GT00-0013

OS ALGOL LANGUAGE
This publication is a prior edition of publication order number GC28-6615 and is used with OS Release 20.1, Release 20.0 and Release 19.
Manual

GT00-0014

OS SYSTEM CONTROL BLOCKS (PRIOR EDITION)
This publication is a prior edition of publication order number GC28-6628 and is used with OS Release 20.1.
Manual

GT00-0015

OS MESSAGES AND CODES (PRIOR EDITION)
This publication is a prior edition of publication order number GC28-6631 and is used with OS Release 20.1.
Manual

GT00-0016

OS SUPERVISOR SERVICES AND MACRO INSTRUCTIONS (PRIOR EDITION)
This publication is a prior edition of publication order number GC28-6646 and is used with OS Release 20.0.
Manual

GT00-0017

OS ON-LINE TEXT EXECUTIVE PROGRAM (PRIOR EDITION)
This publication is a prior edition of publication order number GC28-6650 and is used with OS Release 20.1
Manual

GT00-0018

OS PROGRAMMER'S GUIDE TO DEBUGGING (PRIOR EDITION)
This publication is a prior edition of publication order number GC28-6670 and is used with OS Release 20.1 and Release 20.0.
Manual

GT00-0019

OS TAPE LABELS (PRIOR EDITION)
This publication is a prior edition of publication order number GC28-6680 and is used with OS Release 20.1 and Release 20.0.
Manual

GT00-0020

OS SYSTEM/360 OPERATING SYSTEM OPERATOR'S REFERENCE MANUAL (PRIOR EDITION)
This publication is a prior edition of publication order number GC28-6691 and is used with OS Release 20.1 and Release 20.0.
Manual

GT00-0021

OS TSO GUIDE
This publication is a prior edition of publication order number GC28-6698 and is used with OS Release 20.1.
Manual

GT00-0022

OS JOB CONTROL LANGUAGE REFERENCE MANUAL (PRIOR EDITION)
This publication is a prior edition of publication order number GC28-6704 and is used with OS Release 20.1.
Manual

GT00-0023

OS ADVANCED CHECKPOINT/RESTART (PRIOR EDITION)
This publication is a prior edition of publication order number GC28-6708 and is used with OS Release 20.1, Release 20.0 and Release 19.
Manual

GT00-0024

OS SYSTEMS MANAGEMENT FACILITIES (PRIOR EDITION)
This publication is a prior edition of publication order number GC28-6712 and is used with OS Release 20.1.
Manual

GT00-0025

OS SERVICE AIDS (PRIOR EDITION)
This publication is a prior edition of publication order number GC28-6719 and is used with OS Release 20.1 and Release 20.0.
Manual

GT00-0026

OS MVT GUIDE (PRIOR EDITION)
This publication is a prior edition of publication order number GC28-6720 and is used with OS Release 20.1.
Manual

- GT00-0027
OS RELEASE GUIDE (PRIOR EDITION)
This publication is a prior edition of publication order number GC28-6730 and is used with OS Release 20.1. Manual
- GT00-0028
OS TSO COMMAND LANGUAGE REFERENCE (PRIOR EDITION)
This publication is a prior edition of publication order number GC28-6732 and is used with OS Release 20.1. Manual
- GT00-0029
OS RDE GUIDE (PRIOR EDITION)
This publication is a prior edition of publication order number GC28-6747 and is used with OS Release 20.1. Manual
- GT00-0030
OS TSO TERMINAL USER'S GUIDE (PRIOR EDITION)
This publication is a prior edition of publication order number GC28-6763 and is used with OS Release 20.1. Manual
- GT00-0031
OS GUIDE TO WRITING A TERMINAL MONITOR PROGRAM OR A COMMAND PROCESSOR (PRIOR EDITION)
This publication is a prior edition of publication order number GC28-6764 and is used with OS Release 20.1. Manual
- GT00-0032
OS REMOTE JOB ENTRY (PRIOR EDITION)
This publication is a prior edition of publication order number GC30-2006 and is used with OS Release 20.1, Release 20.0 and Release 19. Manual
- GT00-0033
OS CONVERSATIONAL RJE CONCEPTS AND FACILITIES (PRIOR EDITION)
This publication is a prior edition of publication order number GC30-2012 and is used with OS Release 20.1, Release 20.0 and Release 19. Manual
- GT00-0034
OS CONVERSATIONAL RJE TERMINAL USER'S GUIDE (PRIOR EDITION)
This publication is a prior edition of publication order number GC30-2014 and is used with OS Release 20.1, Release 20.0 and Release 19. Manual
- GT00-0035
OS CONVERSATIONAL RJE SYSTEM PROGRAMMER'S GUIDE (PRIOR EDITION)
This publication is a prior edition of publication order number GC30-2016 and is used with OS Release 20.1, Release 20.0 and Release 19. Manual
- GT00-0036
OS TCAM PROGRAMMER'S GUIDE AND REFERENCE MANUAL - PROGRAM NUMBER 360S-CQ-548
This manual is equivalent to GC30-2024-1 and is for use with OS Release 20.1. Manual, 450 pages
- GT00-0037
OS ALGOL PROGRAMMER'S GUIDE (PRIOR EDITION)
This publication is a prior edition of publication order number GC33-4000 and is used with OS Release 20.1, Release 20.0 and Release 19. Manual
- GT00-0038
IBM OPERATING SYSTEM/360 REFERENCE CARD: SERVICE AIDS
This reference card is equivalent to GX28-6749-02 and is for use with OS Release 21.0. Reference card, 3-3/4 x 8-1/2 inches
- GT00-0039
OS IBM 1285, 1287, 1288 OPTICAL READERS - PLM (PRIOR EDITION)
This publication is a prior edition of publication order number GY21-0013 and is used with OS Release 20.1, Release 20.0 and Release 19. Manual
- GT00-0040
OS GRAPHICS ACCESS METHOD - PLM (PRIOR EDITION)
This publication is a prior edition of publication order number GY27-7113 and is used with OS Release 20.1, Release 20.0 and Release 19. Manual
- GT00-0041
OS JOB MANAGEMENT WITH MFT-PLM (PRIOR EDITION)
This publication is a prior edition of publication order number GY27-7128 and is used with OS Release 20.1 and Release 20.0. Manual
- GT00-0042
OS MACHINE CHECK HANDLER FOR S/370 MODEL 155, 165-PLM (PRIOR EDITION)
This publication is a prior edition of publication order number GY27-7198 and is used with OS Release 20.1 and Release 20.0. Manual
- GT00-0043
OS TSO CONTROL PROGRAM - PLM (PRIOR EDITION)
This publication is a prior edition of publication order number GY27-7199 and is used with OS Release 20.1. Manual
- GT00-0044
OS MFT SUPERVISOR - PLM (PRIOR EDITION)
This publication is a prior edition of publication order number GY27-7236 and is used with OS Release 20.1 and Release 20.0. Manual
- GT00-0045
OS MACHINE CHECK HANDLER FOR S/370 MODELS 135, AND 145 PLM (PRIOR EDITION)
This publication is a prior edition of publication order number GY27-7237 and is used with OS Release 20.1. Manual
- GT00-0046
OS AMERICAN NATIONAL STANDARD COBOL - PLM (PRIOR EDITION)
This publication is a prior edition of publication order number GY28-6395 and is used with OS Release 20.1, Release 20.0 and Release 19. Manual
- GT00-0047
OS SORT/MERGE - PLM (PRIOR EDITION)
This publication is a prior edition of publication order number GY28-6597 and is used with OS Release 20.1, Release 20.0 and Release 19. Manual
- GT00-0048
OS SEQUENTIAL ACCESS METHOD - PLM (PRIOR EDITION)
This publication is a prior edition of publication order number GY28-6604 and is used with OS Release 20.1. Manual
- GT00-0049
OS CATALOG MANAGEMENT - PLM (PRIOR EDITION)
This publication is a prior edition of publication order number GY28-6606 and is used with OS Release 20.1, Release 20.0 and Release 19. Manual
- GT00-0050
OS DIRECT ACCESS DEVICE SPACE MANAGEMENT - PLM (PRIOR EDITION)
This publication is a prior edition of publication order number GY28-6607 and is used with OS Release 20.1. Manual
- GT00-0051
OS/360 OPEN/CLOSE/EOV LOGIC - PROGRAM NUMBER 360S-DM-508
This manual is equivalent to GY28-6609-05 and is for use with OS Release 20.1 (with TNL GN26-8015) and Release 20.0. Manual, 125 pages
- GT00-0052
OS UTILITIES - PLM (PRIOR EDITION)
This publication is a prior edition of publication order number GY28-6614 and is used with OS Release 20.1 and Release 20.0. Manual

GT00-0053
OS INPUT/OUTPUT SUPERVISOR - PLM (PRIOR EDITION)
 This publication is a prior edition of publication order number GY28-6616 and is used with OS Release 20.1. Manual

GT00-0054
OS BASIC DIRECT ACCESS METHOD - PLM (PRIOR EDITION)
 This publication is a prior edition of publication order number GY28-6617 and is used with OS Release 20.1. Manual

GT00-0055
OS INDEXED SEQUENTIAL ACCESS METHODS - PLM (PRIOR EDITION)
 This publication is a prior edition of publication order number GY28-6618 and is used with OS Release 20.1. Manual

GT00-0056
OS ON-LINE TEST EXECUTIVE PROGRAM - PLM (PRIOR EDITION)
 This publication is a prior edition of publication order number GY28-6551 and is used with OS Release 20.1. Manual

GT00-0057
OS MVT SUPERVISOR - PLM (PRIOR EDITION)
 This publication is a prior edition of publication order number GY28-6659 and is used with OS Release 20.1 and Release 20.0. Manual

GT00-0058
OS MVT JOB MANAGEMENT - PLM (PRIOR EDITION)
 This publication is a prior edition of publication order number GY28-6660 and is used with OS Release 20.1. Manual

GT00-0059
OS INITIAL PROGRAM LOADER AND INITIALIZATION PROGRAM - PLM (PRIOR EDITION)
 This publication is a prior edition of publication order number GY28-6661 and is used with OS Release 20.1 and Release 20.0. Manual

GT00-0060
OS LINKAGE EDITOR (F) - PLM (PRIOR EDITION)
 This publication is a prior edition of publication order number GY28-6667 and is used with OS Release 20.1 and Release 20.0. Manual

GT00-0061
OS TSO TERMINAL MONITOR PROGRAM AND SERVICE ROUTINES - PLM (PRIOR EDITION)
 This publication is a prior edition of publication order number GY28-6770 and is used with OS Release 20.1. Manual

GT00-0062
OS CONVERSATIONAL RJE - PLM (PRIOR EDITION)
 This publication is a prior edition of publication order number GY30-2011 and is used with OS Release 20.1, Release 20.0 and Release 19. Manual

GT00-0063
OS TSO COMMAND PROCESSOR VOL. 3 - PLM (PRIOR EDITION)
 This publication is a prior edition of publication order number GY28-6773 and is used with OS Release 20.1. Manual

GT00-0064
OS OPERATOR'S GUIDE FOR DISPLAY CONSOLES
 This publication is a prior edition of publication order number GC27-6949 and is used with OS Release 20.1, Release 20.0 and Release 19. Manual

GT00-0065
OS TCAM PLM - PROGRAM NUMBER 360S-CQ-548
 This manual is equivalent to GY30-2029-01 and is for use with OS Release 20.1 (with supplement GY30-2566) and 20.0. Manual, 500 pages

GT00-0066
OS/360 UTILITIES (PCP ONLY) - PROGRAM NUMBERS 360S-UT-506 AND 360S-UT-507
 This manual is equivalent to GC28-6586-13 and is for use with OS Release 19 only. (PCP users only.) Manual, 596 pages

GT00-0067
ANS COBOL PROGRAMMER'S GUIDE - PROGRAM NUMBERS 360S-CB-545 AND 360S-LM-546
 This manual is equivalent to GC28-6399-01 and is for use with OS Releases 21.0 (with TNLS GN28-0408, GN28-0422, GN28-0437, and GN28-0473), 20.1 (with TNLS GN28-0408, GN28-0422, and GN28-0437), 20.0 (with TNLS GN28-0408, and GN28-0422), and 19 (with TNL GN28-0408). Manual, 280 pages

GT00-0069
OS BTAM PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-OS-601
 This manual is equivalent to GY30-2001-4 and is for use with OS Releases 21.0 (with supplement GY30-2552), 20.1 (with supplements GY30-2552 and GY30-2564), 20.0 (with supplement GY30-2552) and Release 19. Manual, 185 pages

GT00-0070
OS TCAM PROGRAMMER'S GUIDE AND REFERENCE MANUAL - PROGRAM NUMBER 360S-CQ-548
 This manual is equivalent to GC30-2024-2 and is for use with OS Release 21.0. Manual, 450 pages

GT00-0071
OS/360 RELEASE 21 GUIDE
 This manual is equivalent to GC28-6730-2 and is for use with OS Release 21.0. Manual, 330 pages

GT00-0072
OS/360 RELEASE 21 GUIDE
 This manual is equivalent to GC28-6730-3 and is for use with OS Release 21.0. Manual, 335 pages

GT00-0073
OS/360 TSO GUIDE TO WRITING A TERMINAL MONITOR PROGRAM OR A COMMAND PROCESSOR
 This manual is equivalent to GC28-6764-1 and is for use with OS Release 21. Manual, 290 pages

GT00-0074
OS/360 TSO TERMINAL MONITOR PROGRAM AND SERVICE ROUTINES LOGIC - PROGRAM NUMBER 360S-CI-555
 This manual is equivalent to GY28-6770-2 and is for use with OS Release 21.0. Manual, 546 pages

GT00-0076
OS TCAM CONCEPTS AND FACILITIES - PROGRAM NUMBER 360S-CQ-548
 This manual is equivalent to GC30-2022-0 and is for use with OS Release 21.0 (with TNL GN30-2561) Release 20.1 and 20.0. Manual

GT00-0077
OS/360 JOB CONTROL LANGUAGE USERS GUIDE
 This manual is equivalent to GC28-6703-2 and is for use with OS Release 20.1. Manual

GT00-0111
OS/360 TSO GUIDE
 This manual is equivalent to GC28-6698-5 and is for use with OS Release 21.0 and 21.6. Manual

GT00-0112
OS/360 TSO COMMAND LANGUAGE REFERENCE
 This manual is equivalent to GC28-6732-3 and is for use with OS Release 21.0 and 21.6. Manual

GT00-0113
OS/360 STORAGE ESTIMATES
 This manual is equivalent to GC28-6551-15 and is for use with OS Release 21.0 and 21.6. Manual

GT00-0114
OS/360 SYSTEM CONTROL BLOCKS
 This manual is equivalent to GC28-6628-8 and is for use with OS Release 21.0. Manual

GT00-0115
OS/360 JOB CONTROL LANGUAGE REFERENCE
 This manual is equivalent to GC28-6704-2 and is for use with OS Release 21.0.

Manual

GT00-0116
OS/360 MESSAGES AND CODES
 This manual is equivalent to GC28-6631-12 and is for use with OS Release 21.0.
 Manual

GT00-0117
OS/360 DATA MANAGEMENT FOR SYSTEM PROGRAMMERS
 This manual is equivalent to GC28-6550-10 and is for use with OS Release 21.0.
 Manual

GT00-0118
OS/VS SYSTEM MANAGEMENT FACILITIES (SMF)
 This manual is equivalent to GC35-0004-2 and is for use with OS/VS Release 1.0.
 Manual

GT00-0119 see page 330

GT00-0120
OS/360 MFT SUPERVISOR PLM
 This manual is equivalent to GY27-7236-1 and is for use with OS Release 21.0.
 Manual

GT00-0121
OS/360 MVT SUPERVISOR PLM
 This manual is equivalent to GY28-6659-6 and is for use with OS Release 21.0.
 Manual

GT00-0122
OS/360 RELEASE 21.6 GUIDE
 This manual is equivalent to GC28-6730-4 and is for use with OS Release 21.6.
 Manual

GT00-0123
OS/360 UTILITIES
 This manual is equivalent to GC28-6586-14 and is for use with OS Release 21.0.
 Manual

GT24-5086
DOS OLTEP RELEASE 26 - PROG. NO. 360N-DN-481
 This manual is equivalent to GC24-5086-2 and is for use with DOS Release 26.
 Manual

GT24-5090
OS/VS1 PLANNING AND USE GUIDE - PROGRAM NUMBER 5741
 This manual is equivalent to GC24-5090-00 and is for use with OS/VS1 Release 1.
 Manual, 240 pages

GT24-5093
OS/VS1 DEBUGGING GUIDE
 This manual is equivalent to GC24-5093-00 and is for use with OS/VS1 Release 1.
 Manual, 168 pages

GT24-5094
OS/VS1 STORAGE ESTIMATES
 This manual is equivalent to GC24-5094-00 and is for use with OS/VS1 Release 1.
 Manual, 168 pages

GT24-5095
DOS TO OS/VS1 IMPLEMENTATION GUIDE
 This manual is equivalent to GC24-5095-00 and is for use with OS/VS1 Release 1.
 Manual, 309 pages

GT26-3756
OS ASSEMBLER (F) PROGRAMMER'S GUIDE
PROGRAM NUMBER 360S-AS-037 (PRIOR EDITION)
 This publication is a prior edition of publication order number GC26-3756 and is used with OS Release 19.
 Manual

GT26-3791
OS/VS1 SYSTEM GENERATION REFERENCE
 This publication is equivalent to GC26-3791-00 and is for use with OS/VS1 Release 1.
 Manual, 236 pages

GT26-3792
OS/VS2 SYSTEM GENERATOR REFERENCE
 This manual is equivalent to GC26-3792-0 and is for use with OS/VS Release 1.0/1.6.
 Manual

GT26-3799
OS/VS ACCESS METHOD (VSAM) PLANNING GUIDE
 This manual is equivalent to GC26-3799-0 and is for use with OS/VS Release 1.0/1.6.
 Manual

GT27-6949 see page 330

GT27-6980
OS/VS BTAM
 This manual is equivalent to GC27-6980-0 and is for use with OS/VS Release 1.0.
 Manual

GT28-0601
OS/VS2 RELEASE 1 GUIDE
 This manual is equivalent to GC28-0601-0 and is for use with OS/VS Release 1.0.
 Manual

GT28-0638
OS/VS, SYS1.LOGREC ERROR RECORDING
 This manual is equivalent to GC28-0638-00 and is for use with OS/VS1 Release 1.
 Manual, 84 pages

GT28-6396
IBM SYSTEM/360 OPERATING SYSTEM USA STANDARD COBOL
 COBOL (Common Business Oriented Language) is a programming language, similar to English, that is used for commercial data processing. It was developed by the Conference on Data Systems Languages (CODASYL). The U. S. A. standard of the language is USA Standard COBOL X3.23-1968, as specified by the United States of America Standards Institute.
 IBM System/360 Operating System USASI COBOL incorporates the eight processing modules defined in the USA standard. These modules include: Nucleus, Table Handling, Sequential Access, Random Access, Sort, Report Writer, Segmentation, and Library. A significant number of IBM extensions are implemented as well. The IBM implementation of USA Standard COBOL also complies with the first Draft ISO Recommendation on COBOL.
 This publication gives the programmer the rules for writing programs that are to be compiled by the IBM USASI COBOL compiler under the Operating System. It is meant to be used as a reference manual in the writing of IBM USASI COBOL programs.
 This edition and its appropriate supplements is for use with OS release 19, 20.0, and 20.1.
 Systems Reference Library Manual, 368 pages

GT28-6514
IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER
LANGUAGE PROGRAM NUMBERS 360S-AS-037, 360S-AS-036
BACK LEVEL
 No abstract available.
 Manual

GT28-6534
IBM SYSTEM/360 OPERATING SYSTEM INTRODUCTION (BACK LEVEL)
 This system manual is for a non-current version of OS/360.
 Manual

GT28-6535
IBM SYSTEM/360 OPERATING SYSTEM CONCEPTS AND FACILITIES
MANUAL - BACK LEVEL
 This manual, for a non-current version of OS/360, covers OS concepts and facilities.
 Manual

GT28-6543
IBM SYSTEM/360 OPERATING SYSTEM SORT/MERGE
PROGRAM NUMBER 360S-SM-023 BACK LEVEL
 No abstract available.
 Manual

GT28-6550
OS DATA MANAGEMENT FOR SYSTEM PROGRAMMER'S GUIDE
PROGRAM NUMBER 360S-CI-555 (PRIOR EDITION)
 This publication is a prior edition of publication order number GC28-6550 and is used with OS Release 20.0 and Release 19.
 Manual

GT28-6551
OS STORAGE ESTIMATE (PRIOR RELEASE)
 This publication is a prior edition of publication order number GC28-6551 and is used with OS Release 19.

- Manual
- GT28-6554
OS SYSTEM GENERATION (PRIOR RELEASE)
This publication is a prior edition of publication order number GC28-6554 and is used with OS Release 19.
Manual
- GT28-6586
OS UTILITIES PROGRAM NUMBERS 360S-UT-506, 360S-UT-507 (PRIOR EDITION)
This publication is a prior edition of publication order number GC28-6586 and is used with OS Release 19.
Manual
- GT28-6628
OS SYSTEM CONTROL BLOCKS (PRIOR EDITION)
This publication is a prior edition of publication order number GC28-6628 and is used with OS Release 19.
Manual
- GT28-6631
OS MESSAGES AND CODES (PRIOR EDITION)
This publication is a prior edition of publication order number GC28-6631 and is used with OS Release 19.
Manual
- GT28-6644
IBM SYSTEM/360 OPERATING SYSTEM MASTER INDEX
This manual is the prior edition of GC28-6644 at the 05 suffix level. It supports OS Release 19.
Systems Reference Library Manual, 352 pages
- GT28-6646
OS SUPERVISOR SERVICES AND MACRO INSTRUCTIONS (PRIOR EDITION)
This publication is a prior edition of publication order number GC28-6646 and is used with OS Release 19.
Manual
- GT28-6647
IBM SYSTEM/360 OPERATING SYSTEM SUPERVISOR AND DATA MANAGEMENT MACRO INSTRUCTIONS
No abstract available.
Manual
- GT28-6650
IBM SYSTEM/360 OPERATING SYSTEM ONLINE TEST EXECUTIVE PROGRAM - PROGRAM NUMBER 360S-DN-533 BACK LEVEL
This publication provides customer engineers, other qualified personnel, and operators with the information required to use the Online Test Executive Program (OLTEP).
OLTEP is an optional component of the System/360 Operating System that can be selected at system generation for MFT, and MVT control programs. (All statements concerning MVT apply also to Model 65 Multiprocessing.)
OLTEP is designed to run online test programs, under the System/360 Operating System, for the testing I/O equipment.
Prerequisite information is contained in IBM System/360 Operating System: Concepts and Facilities, GC28-6535.
Customer engineers should refer to IBM System/360 OLTs Customer Engineering Memorandum, Service Aid #2 for ordering procedures for online tests and their documentation.
Manual
- GT28-6670
OS PROGRAMMER'S GUIDE TO DEBUGGING (PRIOR EDITION)
This publication is a prior edition of publication order number GC28-6670 and is used with OS Release 19.
Manual
- GT28-6680
OS TAPE LABELS (PRIOR EDITION)
This publication is a prior edition of publication order number GC28-6680 and is used with OS Release 19.
Manual
- GT28-6691
OS SYSTEM/360 OPERATING SYSTEM OPERATOR'S REFERENCE MANUAL (PRIOR EDITION)
This publication is a prior edition of publication order number GC28-6691 and is used with OS Release 19.
Manual
- GT28-6698
OS TSO GUIDE (PRIOR EDITION)
This publication is a prior edition of publication order number GC28-6698 and is used with OS Release 20.1.
Manual
- GT28-6703
IBM SYSTEM/360 OPERATING SYSTEM JOB CONTROL LANGUAGE
No abstract available.
Manual
- GT28-6704
OS JOB CONTROL LANGUAGE REFERENCE MANUAL (PRIOR EDITION)
This publication is a prior edition of publication order number GC28-6704 and is used with OS Release 20.0 and Release 19.
Manual
- GT28-6712
OS/360 SYSTEM MANAGEMENT FACILITIES
This manual is equivalent to GC28-6712-6 and is for use with OS Release 21.0.
Manual
- GT28-6719
OS SERVICE AIDS (PRIOR EDITION)
This publication is a prior edition of publication order number GC28-6719 and is used with OS Release 19.
Manual
- GT28-6730
OS RELEASE GUIDE (PRIOR EDITION)
This publication is a prior edition of publication order number GC28-6730 and is used with OS Release 20.0.
Manual
- GT28-6747
OS/360 RELIABILITY DATA EXTRACTOR USER'S GUIDE
This manual is equivalent to GC28-6747-2 and is for use with OS Release 21.0.
Manual
- GT28-6762
OS/MVT AND OS/VS2 TSO TERMINALS MANUAL
This manual is equivalent to GC28-6762-0 and is for use with OS Release 20.1 and 21.
Manual, 60 pages
- GT28-6768
OS TIME SHARING OPTION DATA UTILITIES: COPY FORMAT LIST MERGE PROGRAM PRODUCT SPECIFICATIONS - PROG. NO. 5734-UT1
This flyer is equivalent to GC28-6768-01 and is for use with the OS TSO Data Utilities program product prior to the availability of OS/VS2 Release 1.
Flyer, 1 page
- GT28-6825
IBM SYSTEM/360 OPERATING SYSTEM, DISK OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY: PLI AND BASIC GENERAL INFORMATION - PROGRAM NUMBERS 5736-RC1, 5736-RC2
This is a non-current version of GC28-6825-01.
Manual
- GT28-6830
IBM SYSTEM/360 DISK OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY: PL/I AND BASIC - PROGRAM NUMBERS 5736-RC1 5736-RC2
No abstract available.
Manual
- ST28-6833
IBM SYSTEM/360 OS/DOS ITF: PL/I INTRODUCTION PROGRAM NUMBERS 5734-RC1, 5736-RC1
This is a non-current version of SC28-6833-00.
Manual
- ST28-6836
IBM SYSTEM/360 OS/DOS ITF INSTALLATION REFERENCE MATERIAL PROGRAM NUMBERS 5734-RC1, 5734-RC3, 5736-RC1, 5736-RC2
This is an earlier version of SC28-6836-00.
Manual
- GT30-2005
IBM SYSTEM/360 OPERATING SYSTEM QUEUED TELECOMMUNICATIONS ACCESS METHOD MESSAGE CONTROL PROGRAM - SYSTEMS REFERENCE LIBRARY - PROGRAM NUMBER 360S-CQ-519
This manual is the prior edition of GC30-2005 at the 01 suffix level. It is for use with OS Release 19.
Manual, 227 pages
- GT30-2024
IBM SYSTEM/360 OPERATING SYSTEM TELECOMMUNICATIONS ACCESS METHOD PROGRAMMER'S GUIDE AND REFERENCE MANUAL PROGRAM NUMBER 360S-CQ-548
This manual is the prior edition of GC30-2024 at the 00 suffix level. It is for use with OS Release 20.
Manual, 76 pages
- GT30-2025 see page 330

- GT38-0110
OPERATORS LIBRARY: OS/VS1 REFERENCE MANUAL
 This document is equivalent to GC38-0110-01 and is for use with OS/VS1 Release 1.
 Manual, 450 pages
- GT38-0255
OPERATOR'S LIBRARY: OS/VS1 DISPLAY CONSOLES
 This manual is equivalent to GC38-0255-00 and is for use with OS/VS1 Release 1.
 Manual, 80 pages
- GT38-1001
OS/VS MESSAGE LIBRARY: VS1 SYSTEM MESSAGES
 This manual is equivalent to GC38-1001-00 and is for use with OS/VS1 Release 1.
 Manual, 260 pages
- GT38-1003
OS/VS MESSAGE LIBRARY: SYSTEM CODES
 This manual is equivalent to GC38-1001-00 and is for use with OS/VS1 Release 1.
 Manual
- GT40-0788
CALL/360-OS TERMINAL OPERATIONS MANUAL PROGRAM NUMBER 360A-CX-42X
 This manual discusses those elements of terminal characteristics, operations, and maintenance pertaining to terminals used by the CALL/360-OS time-sharing system. It is addressed to the individual terminal user.
 Additional operating techniques covering specific CALL/360-OS language statements, system commands, and terminal correction procedures can be found in the three separate language reference manuals: CALL/360-OS BASIC LANGUAGE REFERENCE MANUAL (GH20-0699) CALL/360-OS FORTRAN LANGUAGE REFERENCE MANUAL (GH20-0710), and CALL/360-OS PL/I LANGUAGE REFERENCE MANUAL (GH20-0700).
 Terminal Operations Manual, 40 pages
- GT60-0305
SYSTEM/360 ATTACHED SUPPORT PROCESSOR SYSTEM (ASP) VERSION 2 SYSTEM MANUAL PROGRAM NUMBER 360A-CX-15X
 The Attached Support Processor (ASP) system is an operating system that provides a compatible extension to Operating System/360 (OS/360). Designed primarily for the commercial and scientific customer with a computer job shop environment, ASP provides for increased automation of the computing operation. The ASP system operates as a programmed operator of OS/360, providing an operational interface for controlling the system job stream, thus optimizing the use of the computer's resources.
 This manual is intended primarily for the use of the system programmer at an installation. It contains a detailed description of each of the programs that constitute the ASP system and flowcharts of the programs (Appendix A).
 Application Program Manual, 336 pages
- GT64-5154
DOS OLTEP LOGIC RELEASE 26 - PROG. NO. 360N-DN-481
 This manual is equivalent to GY24-5154-02 and is for use with DOS Release 26.
 Manual, 170 pages
- ST64-5155
OS/VS1 SUPERVISOR LOGIC
 This manual is equivalent to SY24-5155-00 and is for use with OS/VS1 Release 1.
 Manual, 300 pages
- ST64-5156
OS/VS I/O SUPERVISOR LOGIC
 This manual is equivalent to SY24-5156-00 and is for use with OS/VS1 Release 1.
 Manual, 184 pages
- ST64-5159
OS/VS CATALOG MANAGEMENT LOGIC
 This manual is equivalent to SY24-5159-00 and is for use with OS/VS1 Release 1.
 Manual, 36 pages
- ST64-5160
OS/VS1 IPL AND NIP LOGIC
 This manual is equivalent to SY24-5160-00 and is for use with OS/VS1 Release 1.
 Manual, 152 pages
- ST64-5161
OS/VS1 JOB MANAGEMENT LOGIC
 This manual is equivalent to SY24-5161-00 and is for use with OS/VS1 Release 1.
- GT66-3700
IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER F PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-AS-037
 No abstract available.
 Manual
- ST66-3787
OS/VS DADSM LOGIC
 This manual is equivalent to SY26-3787-00 and is for use with OS/VS1 Release 1.
 Manual
- ST66-3823
OS/VS2 I/O SUPERVISOR LOGIC
 This manual is equivalent to SY26-3823-0 and is for use with OS/VS2 Release 1.0.
 Manual
- GT67-7184
IBM SYSTEM/360 OPERATING SYSTEM MACHINE CHECK HANDLER FOR IBM SYSTEM/360 MODEL 85 PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-DN-539
 No abstract available.
 Manual
- ST67-7239
OS/VS RECOVERY MANAGEMENT SUPPORT LOGIC COMPONENT NOS. 5741-SCI-CE AND 5742-SCI-CE
 This manual is equivalent to SY27-7239-00 and is for use with OS/VS1 Release 1.
 Manual
- ST68-0605
OS/VS1 SYSTEM DATA AREAS
 This manual is equivalent to SY28-0605-00 and is for use with OS/VS1 Release 1.
 Manual, 260 pages
- ST68-0639
OS/VS SYS1.LOGREC ERROR RECORDING LOGIC
 This manual is equivalent to SY28-0639-00 and is for use with OS/VS1 Release 1.
 Manual, 148 pages
- GT68-6604
OS SEQUENTIAL ACCESS METHOD - PLM (PRIOR EDITION)
 This publication is a prior edition of publication order number GY28-6604 and is used with OS Release 20.0 and Release 19.
 Manual
- GT68-6607
IBM SYSTEM/360 OPERATING SYSTEM DIRECT ACCESS DEVICE SPACE MANAGEMENT - PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-AS-037
 No abstract available.
 Manual
- GT68-6609
IBM SYSTEM/360 OPERATING SYSTEM INPUT/OUTPUT SUPPORT (OPEN/CLOSE/EOW) PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-DM-508
 No abstract available.
 Manual
- GT68-6614
OS UTILITIES - PLM (PRIOR EDITION)
 This publication is a prior edition of publication order number GY28-6614 and is used with OS Release 19.
 Manual
- GT68-6616
IBM SYSTEM/360 OPERATING SYSTEM: INPUT/OUTPUT SUPERVISOR PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-CI-505
 No abstract available.
 Manual
- GT68-6617
OS BASIC DIRECT ACCESS METHOD - PLM (PRIOR EDITION)
 This publication is a prior edition of publication order number GY28-6617 and is used with OS Release 20.0 and Release 19.
 Manual

- GT68-6618
IBM SYSTEM/360 OPERATING SYSTEM INDEXED SEQUENTIAL ACCESS METHOD - PROGRAM LOGIC MANUAL
PROGRAM NUMBER 360S-IO-526
No abstract available.
Manual
- GT68-6651
IBM SYSTEM/360 OPERATING SYSTEM ON-LINE TEST EXECUTIVE PROGRAM - PROGRAM LOGIC MANUAL
PROGRAM NUMBER 360S-DN-533
No abstract available.
Manual
- GT68-6661
OS INITIAL PROGRAM LOADER AND INITIALIZATION PROGRAM - PLM (PRIOR EDITION)
This publication is a prior edition of publication order number GY28-6661 and is used with OS Release 19.
Manual
- GT68-6667
OS LINKAGE EDITOR (F) - PLM (PRIOR EDITION)
This publication is a prior edition of publication order number GY28-6667 and is used with OS Release 19.
Manual
- GT68-6714
IBM SYSTEM/360 OPERATING SYSTEM LOADER PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-LD-547
No abstract available.
Manual
- GT68-6717
OS/360 MASTER INDEX PROGRAM LOGIC MANUAL
This manual is equivalent to GY28-6717-2 and is for use with OS Release 19.
Manual, 450 pages
- GT68-6831
IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV SYNTAX CHECKER
PROGRAM NUMBER 360S-FO-550
No abstract available.
Manual
- LT68-6832
IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC MANUAL INTRODUCTION AND METHOD OF OPERATION
PROGRAM NUMBERS 5734-RC1, RC3; 5736-RC1, RC2 (PREVIOUS RELEASE)
This is a non-current version of LY28-6832
Manual
- LT68-6833
IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC MANUAL INITIALIZATION SYSTEM CONTROL AND SYSTEM SUPPORT PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 5734-RC1, 5734-RC3, 5736-RC1, 5736-RC2
This is a non-current version of LY28-6833
Manual
- LT68-6834
IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC LANGUAGE COMPONENT CONTROLLER PROGRAM LOGIC MANUAL
PROGRAM NUMBERS 5734-RC1, 5734-RC3, 5736-RC1, 5736-RC2
This is a non-current version of LY28-6834
Manual
- LT68-6840
IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC MANUAL
PROGRAM NUMBERS 5734-RC1, 5734-RC3, 5736-RC1, 5736-RC2
This is a non-current version of LY28-6840-00.
Manual
- ST70-2039
OS/VS TCAM LOGIC
This manual is equivalent to SY30-2039-1 and is for use with OS/VS Release 1.0.
Manual
- ST88-6813
IBM SYSTEM/360 OS/DOS ITF: PL/I REFERENCE CARD
PROGRAM NUMBERS 5734-RC1, 5736-RC1
This is a non-current version of SX28-6813-00.
Reference Card
- ST88-6814
IBM SYSTEM/360 OPERATING SYSTEM IBM SYSTEM/360 DISK OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY BASIC REFERENCE CARD, PROGRAM NUMBERS 5736-RC2, 5734-RC3
This is a non-current version of SX28-6814-00.
- Reference Card
- GX20-1702
PROPORTIONAL RECORD LAYOUT FORM
The front side of this form consists of the Proportional Record Layout Form. It is suitable for card, tape, and disk records. Positional markings are 00-99 and 01-100 in decimal notation, and 00-63 and 01-64 in hexadecimal notation. The back side of the form is the record format form. This form permits record layouts to be prepared without the space limitations of positional markings. Space is also provided for reference data. These are general-purpose forms and may be used for all systems.
Padded Form, 25 Sheets, 11 by 16 1/2
- GX20-1703
IBM SYSTEM/360 REFERENCE DATA CARD
This reference card, intended primarily for use by Assembly Language programmers, contains basic System/360 machine information extracted from the System/360 Principles of Operation SRL Manual (GA22-6821). It also contains other frequently used Assembler information, a multi-code translation table, and command codes for various I/O devices.
Reference card, green, accordion fold, 3-5/8 x 8-1/2 inches
- GX20-1704
IBM 2321 DATA CELL DRIVE
A capacity and transmission time reference card arranged in a tabular format. Formulas and examples of how to use the card are included.
Reference Card, 3 folds
- GX20-1705
IBM 2311 DISK CELL DRIVE REFERENCE CARD
A capacity and transmission time reference card arranged in a tabular format. Formulas and examples of how to use the card are included.
Reference Card, 3 folds
- GX20-1709
IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT - BASIC UTILITIES REFERENCE CARD
PROGRAM NUMBERS 360P-UT-017, 360P-UT-018, 360P-UT-019, 360P-UT-020
This reference card is a digest of form C28-6505. It contains information needed to make use of the Basic Programming Support Basic Utility Programs, including an example of coding and deck setup.
Reference Card, 2 folds
- GX20-1710
IBM 2314 DIRECT ACCESS STORAGE FACILITY CAPACITY AND TRANSMISSION TIME REFERENCE CARD
This reference card provides a convenient reference and several informative examples for planning and programming purposes. Tables include timing and capacity with and without keys.
Reference Card, 3 folds
- GX20-1711
IBM SYSTEM/360 RECORD LAYOUT WORKSHEET
Padded forms showing double word, word, halfword and byte boundaries. Bytes marked to accommodate packed-decimal digits. Provides for two records of 256 positions each, both in hexadecimal and decimal numbering.
Padded form, 11 x 6-1/2 inches, 50 sheets per pad
- GX20-1717
IBM 2301 DRUM STORAGE
This reference card describes the capacity of the 2301 and the data transmission time requirements for records of various lengths. Formulas and examples supplement the tables.
Reference Card, 3 folds
- GX20-1736
OPTIMUM BOND BIDDING WORKSHEET
PROGRAM NUMBER 360A-FI-06X
This form facilitates preparation of the input data for the Optimum Bond Bidding Program (360A-FI-06X).
Form, 2 Sides, 8-1/2 x 11, Padded 25 to Set *N
- GX20-1741
IBM 1287 OPTICAL READER DOCUMENT TRACING GUIDE
This card is a forms-design guide for assisting the 1287 user in the physical layout of input documents.
Card, 6 1/4 x 9 1/4
- GX20-1749
IBM SYSTEM/360 DOS/TOS REFERENCE CARD PL/I
Reference information based on data contained in the IBM System/360 PL/I Subset Reference Manual.

Fanfold, 3-1/2" x 7-1/2"

GX20-1751

IBM 2260 DISPLAY FORMAT
This coding sheet is used in designing displays for the 2260. The form provides space for a display to be transmitted from System/360 to a 2260, and expected operator response.
Padded Form, 25 sheets, 8 1/2" x 11"

GX20-1758

IBM SYSTEM/360 MODEL 30 1401/1440/1460 COMPATIBILITY FEATURE REFERENCE CARD
A reference card for the System/360 Model 30, 1401/1440/1460 Compatibility Feature.
Reference Card, 10 pages

GX20-1759

IBM 1287 OPTICAL READER DESIGN FORMATS
This sheet contains formats for laying out forms to be read by the 1287. The form includes standard mark-read column designs, hand-print blocks from two to seven digits, and optical reference marks.
Padded Form, 25 sheets, 8 1/2" x 11"

GX20-1761

MATHEMATICAL PROGRAMMING INPUT FORM
SYSTEM/360 - 1130
This is a Mathematical Programming Input Form 25 sheets to a pad, 8 1/2 x 11, 3 hole punch.
Padded Form, 25 sheets, 8 1/2" x 11"

GX20-1771

IBM SYSTEM/360 REFERENCE DATA DOS JOB CONTROL LANGUAGE OPERATOR COMMUNICATION REFERENCE CARD
A reference card for DOS job control language operator communication.
Reference Card, 14 pages

GX20-1780

COURSEWRITER III SYSTEM STUDENT/MONITOR REFERENCE CARD
PROGRAM NUMBERS 5734-E12 360A-UX-01X
This card is a ready reference tool when working on a 1050 Terminal.
IND0007

GX20-1781

IBM AUTHOR'S COURSEWRITER III REFERENCE CARD
PROGRAM NUMBERS 360A-UX-01X, 5734-E12
Used in conjunction with Coursewriter III System/360 Version 2.
Reference Card

GX20-1782

IBM SUPERVISOR'S COURSEWRITER III REFERENCE CARD
PROGRAM NUMBERS 5734-E12, 360A-UX-01X
Used in conjunction with Coursewriter III System/360 Version 2.
Reference Card

GX20-1787

DEBUGGING AID
DIRECT EVALUATION OF FLOATING POINT NUMBERS IN HEXADECIMAL
The following tables can be used to evaluate a floating point number represented in hexadecimal form. The technique uses a table lookup in the hexadecimal integer table, and a table lookup in the hexadecimal fraction table. The user unites the integer from the first table with the fraction from the second table, to form one number, and then performs a calculation to obtain the value of the floating point number.
Pocket-size Booklet

GX20-1788

CHARGE DESCRIPTION MASTER WORKSHEET
PROGRAM NUMBERS 5736-H13, 360A-UH-11X
A hospital worksheet with spaces for keypunching service code with self-check digit, insurance bill category code, price numbers, professional fee, blood replacement charge, charge description, general ledger key, card code and hospital name.
Form, 8-1/2" x 11", 1 part

GX20-1789

DOCTOR MASTER FILE - WORKSHEET
PROGRAM NUMBERS 360A-UH-11X, 5736-H13
A hospital worksheet with spaces for doctor number with self-check digit, doctor specialty, name and address, accounting period card code and hospital name. The form is designed for 80 column keypunch input.
Form, 8-1/2" x 11", 1 part

GX20-1790

ROOM AND BED MASTER
PROG. NOS. 5736-H13, 360A-UH-11X
A hospital worksheet with spaces for room and bed numbers, patient type, room rates, service code with self-check digit, general ledger key, nursing station ID, overflow bed indicator, unspecified information, card code and hospital name. The form is designed for 80-column keypunch input.
Form, 8-1/2" x 11", 1 part

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GX20-1807

SHARED LABORATORY INFORMATION SYSTEM CLM CODING SHEET
PROGRAM NUMBER 5736-H12
Form for input to SLIS with space for codes including location, test, method, sequence number, result flag and code, worksheet and heading flags, diet hold, spec, test name station and code, print sort, heading print, comment type, call, lab, comb, chg, user area, action, and test name abbreviation.
Form, 8-1/2" x 11", 1 part

GX20-1808

SHARED LABORATORY INFORMATION SYSTEM CLM CODING SHEET
PROGRAM NUMBER 5736-H12
Form for input to SLS including coding categories of card location, test, method, sequence, test weight, operating method, combination test and constituent tests.
Form, 8-1/2" x 11", 1 part

GX20-1809

SHARED LABORATORY INFORMATION SYSTEM CLM CODING SHEET
PROGRAM NUMBER 5736-H12
Form for input to SLIS in categories including location test and method codes, sequence number, results, headings, shift, decimal, substitutions, delta checks, ranges, batches, statistics and result.
Form, 8-1/2" x 11", 1 part

GX20-1810

CALL/360-OS PL/I REFERENCE CARD PROGRAM NUMBER 360A-CX-42X
This pocket-size reference card summarizes in convenient form the PL/I language facilities of the CALL/360-OS program.
Accordion-fold, reference card, 14 panels, 8 1/2 x 3 1/2

GX20-1811

CALL/360-OS BASIC REFERENCE CARD PROGRAM NUMBER 360A-CX-42X
This pocket-size reference card summarizes in convenient form the BASIC language facilities of the CALL/360-OS program.
Accordion-fold Reference Card, 8-1/2 x 3-1/2, 12 panels

GX20-1812

CALL/360-OS FORTRAN REFERENCE CARD PROGRAM NUMBER 360A-CX-42X
This pocket-size reference card summarizes in convenient form the FORTRAN language facilities of the CALL/360-OS program.
Accordion-fold, reference card, 14 panels, 8 1/2 x 3 1/2

GX20-1817

SYSTEM/360/370 DOS POWER II/RJE VERSION 4 REFERENCE SUMMARY, PROG. NO. 360D-05.2.006
This reference card is intended to summarize the command codes and operator messages for IBM System/360 DOS POWER II.
Folder, 4 pages

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GX20-1827

SYSTEM/360/370 ASP REFERENCE CARD,
PROGRAM NUMBER 360A-CX-15X
This card contains excerpts from GH20-0321 and reflects the status of ASP as of Version 2.4.1.
Application Program Manual

GX20-1828

GENERAL PURPOSE SIMULATION SYSTEM V REFERENCE SUMMARY: BLOCK STATEMENT FORMATS, PROG. NOS. 5734-XS2(OS) AND 5736-XS3(DOS)
This reference card defines the block statement formats of GPSS V.
Program Product Reference Card

GX20-1829

GENERAL PURPOSE SIMULATION SYSTEM V REFERENCE SUMMARY: CONTROL STATEMENT FORMATS, STANDARD NUMERICAL ATTRIBUTES, AND SYSTEM OPTIONS - PROG. NOS. 5734-XS2(OS) AND 5736-XS3(DOS)
This reference card contains information to readily assist the GPSS V user. Charts showing control standard format, standard numerical attributes and system options are included.
Reference Card

- GX20-1830
CALL-OS TERMINAL COMMAND LANGUAGE - REFERENCE CARD
 PROGRAM NUMBER 360A-CX-42X
 No abstract available.
 Reference Card, 10 pages
- GX20-1832
COURSEWRITER III VERSION 3 MONITOR REFERENCE CARD PROGRAM NUMBERS 5736-E11 (DOS) 5734-E13 (OS)
 This reference card contains information to readily assist the user of coursewriter III Version 3. Monitor command notes and a keyboard summary chart are included. Information is extracted from the student/Monitor User's Guide, SH20-1010.
 Reference Card
- GX20-1833
COURSEWRITER III VERSION 3 AUTHOR'S REFERENCE CARD PROGRAM NUMBERS 5736-E11 (DOS) 5734-E13 (OS)
 This reference card contains information to readily assist to user of Coursewriter III Version 3. Notes, author commands, and keyboard summary chart are included. The information is extracted from Coursewriter III Version 3 Author's Guide, SH20-1009.
 Reference Card
- GX20-1834
COURSEWRITER III, VERSION 3 STUDENT REFERENCE CARD OPERATING HINTS - PROGRAM NUMBER 5736-E11 (DOS) 5734-E13 (OS)
 This reference card contains information to readily assist the user of Coursewriter III Version 3. Operating hints, student commands and keyboard summary is included. Information is extracted from the Student Monitor User's Guide, SH20-1010.
 Reference Card
- GX20-1835
COURSEWRITER III, VER(SION 3 SUPERVISOR'S REFERENCE CARD PROGRAM NUMBERS 5736-E11 (DOS) 5734-E13 (OS)
 This reference card contains information to readily assist the user of Coursewriter III, Version 3. Notes, commands and arguments are listed. This information is extracted from the Supervisor's Guide, SH20-1011.
 Reference Card
- GX20-1850
SYSTEM/370 REFERENCE SUMMARY CARD
 This reference card is intended primarily for use by S/370 assembly language programmers. It contains basic machine information summarized from the System/370 Principles of Operation (GA22-7000), frequently used information from OS/VS and DOS/VS Assembler Language (GC33-4010), command codes for various I/O devices, and a multi-code translation table.
 Reference card, accordion-folded
- GX20-1878
IBM 3270 INFORMATION DISPLAY SYSTEM REFERENCE SUMMARY
 This publication is intended for planning purposes only. It will be updated to reflect system changes. The reader is cautioned that the authoritative source for this booklet is the IBM 3270 Information Display System Component Description Manual (GA27-2749).
 Reference summary, 48 pages
- GX20-1920
3330 SERIES DISK STORAGE 3330/3333 MODEL 1 3330 MODEL 2 REFERENCE SUMMARY
 This reference summary summarizes device characteristics and provides a capacity table for records with and without keys.
 Summary, 2 folds
- GX20-1924
IBM VIRTUAL MACHINE FACILITY/370: BASIC LANGUAGE REFERENCE SUMMARY - PROGRAM NUMBER 5749-010
 The Basic Language Reference Summary, Order No. GX20-1924, gives essential details of the IBM VM/370 BASIC language including brief examples of VM/370 BASIC commands, program execution, correction statements, and lists the various elements of the language. For a complete description of VM/370 BASIC refer to the publication IBM Virtual Machine Facility/370: BASIC Language Reference Manual, Order No. GC20-1803.
 Summary, 8 cards
- GX20-1925
3270 FORMAT MACRO FOR OUTPUT DATA STREAMS FDP NUMBER 5798-AKL
 This pocket folder allows a format macro assembler language programmer to easily generate a complete output data stream for a 3270 from a screen layout form.
 Reference Card, 8 pages
- GX20-1926
IBM VIRTUAL MACHINE FACILITY/370: QUICK GUIDE FOR USERS REFERENCE SUMMARY - PROGRAM NUMBER 5749
 This publication contains information for both the beginning and advanced VM/370 user. The first part, "Using the VM/370 System," is designed to help the new VM/370 user become acquainted with the system. It includes section on getting started and setting up a virtual machine, and using the CMS facilities as a file creation and maintenance tool.
 The second part, "Summary of VM/370 Commands," presents a brief syntactic description and explanation of each VM/370 command. The experienced user will find this section a handy reference source.
 Summary
- GX20-1927
ASP VERSION 3 ASYMMETRIC MULTIPROCESSING SYSTEM - HANDBOOK PROGRAM NUMBER 360A-CX-15X
 No abstract available.
 Handbook, 28 pages
- GX20-8020
FLOWCHARTING TEMPLATE
 This plastic template provides cut-out shapes for drawing standard symbols used frequently in flowcharting computer systems and programs. It is enclosed in an envelope outlining definitions of symbols and use of the template. More details are given in the Data Processing Techniques manual on FLOWCHARTING TECHNIQUES (GC20-8152).
 Template, 1 unit size
- GX21-9090
RPG OUTPUT-FORMAT SPECIFICATIONS (FORM)
 This is a form for coding RPG output-format specifications for the IBM System/3, System/360, and 1130. It is printed in reproducible green ink.
 Padded Form, 50 sheets
- GX21-9091
RPG EXTENSIONS AND LINE COUNTER SPECIFICATIONS SHEET
 This form is provided as an aid to the programmer writing an RPG program for the IBM System/3, System/360, and 1130. It is printed in reproducible green ink.
 Padded Form, 50 sheets
- GX21-9092
RPG CONTROL CARD AND FILE DESCRIPTION SPECIFICATIONS FORM
 This form is provided as an aid to the programmer writing an RPG program for the IBM System/3, System/360, and 1130. It is printed in reproducible green ink.
 Padded form, 25 sheets
- GX21-9093
RPG CALCULATION SPECIFICATIONS SHEET
 This is a form for coding RPG calculation specifications for the IBM System/3, System/360, and 1130. It is printed in reproducible green ink.
 Padded Form, 50 sheets
- GX21-9106
IBM 1288 DOCUMENT GAUGE FOR MACHINE SETUP
 An illustrated and descriptive document - alignment and machine-setup instruction folder.
 Reference Card, 2 pages
- GX21-9129
RPG DEBUGGING TEMPLATE
 This template is a quick tool for programmers debugging RPG.
 Template
- GX22-6835
PHYSICAL PLANNING TEMPLATE IBM SYSTEM/360 HYPERTAPE
 Equipment templates on acetate sheets, 1/4 inch equals 1 foot scale, for planning machine room layouts.
 Template, 8 1/2 x 11 inch, 1 page
- GX22-6837
2401 - 2404 AND 2415 MAGNETIC TAPE UNITS
 This pocket-size reference folder is to assist in estimating tape processing times and block (record) capacity per full reel.
 Reference Card, 7-1/4 x 14, 3 folds
- GX22-6855
IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 MAGNETIC TAPE UNITS AND CONTROLS
 Now includes 3410/3411 layouts.
 8-1/2" x 11" acetate template, 4 pages

GX22-6856

PHYSICAL PLANNING TEMPLATE: SYSTEM/360 PROCESSOR MODEL 75
Equipment templates on acetate sheets, 1/4 inch equals 1 foot scale, for planning machine room layouts. Template, 8 1/2 x 11 inch

GX22-6857

IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 COMMUNICATIONS EQUIPMENT
Equipment templates on 8-1/2 by 11 inch acetate sheets, two pages, for planning machine room layouts. Scale: 1/4 inch equals one foot. Includes four 2701's, two 2702's, one 2703, one 2711, one 2715-1,2, two 7770-3's, and one 7772-3. 8-1/2 x 11 inch acetate templates, 2 pages

GX22-6858

IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 DATA STORAGE DEVICES
Equipment templates on 8-1/2 x 11 inch acetate sheets, six pages, for planning machine room layouts. Scale: 1/4 inch equals one foot. Includes four 2301-1's, two 2302-3,4's, four 2303-1's, two 2305-1,2's (shown on two facilities), eight 2311-1's, one 2312-A1, two 2313-A1's, one 2314-A1, one 2314-B1, one 2314-1, two 2319-A1's, two 2319-A2's, one 2319-B1, two 2319-B2's, four 2321-1's (with two shown abutted), one 2820-1, two 2835-1,2's, four 2841-1's, two 2844's, six 3330's (two on one facility and four on another), and two 3830's. 8-1/2 x 11 inch acetate templates, six pages

GX22-6859

IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 CONSOLES AND TERMINALS
Equipment templates on 8-1/2 x 11 inch acetate sheets, two pages, for planning machine room layouts. Scale: 1/4 inch equals one foot. Includes two 2150's, two 2250-1's, two 2250-3's, two 2260's with keyboards, two 2260's without keyboards, one 2285, two 2840-2's, four 2848's (two of both types), one 3210-1, one 3210-2, and one 3215-1. 8-1/2 x 11 inch acetate templates, two pages

GX22-6860

IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 MAGNETIC AND OPTICAL CHARACTER READERS
Equipment templates on 8-1/2 x 11 inch acetate sheets, two pages, for planning machine room layouts. Scale: 1/4 inch equals one foot. Includes one 1231-N1, one 1255-1,2, one 1255-3, one 1259-2, one 1285-1, one 1287-1,2, one 1287-3,4, one 1288-1, one 1412-1 and accumulator, one 1418-1,2,3 or 1428-1,2,3, and one 1419-1. 8-1/2 x 11 inch acetate templates, two pages

GX22-6894

IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 MODELS 22, 25, 30, AND 40
Equipment templates on 8-1/2 x 11 inch acetate sheets, two pages, for planning machine room layouts. Scale: 1/4 inch equals one foot. Includes two each of: 2022, 2025, 2030, and 2040. 8-1/2 x 11 inch acetate templates, two pages

GX22-6905

PHYSICAL PLANNING TEMPLATE SYSTEM/360 MODEL 67
Equipment templates on acetate sheets, 1/4 inch equals 1 foot scale, for planning machine room layouts. Template, 8 1/2 x 11 inch, 5 pages

GX22-6914

PHYSICAL PLANNING TEMPLATE SYSTEM/360 PROCESSORS MODELS 44 AND 50
Equipment templates on acetate sheets, 1/4 inch equals 1 foot scale, for planning machine room layouts. Template, 8 1/2 x 11 inch, 2 pages

GX22-6923

PHYSICAL PLANNING TEMPLATE SYSTEM/360 MODEL 85
Equipment templates on acetate sheets, 1/4 inch equals 1 foot scale, for planning machine room layouts. Template, 8 1/2 x 11 inch, 4 pages

GX22-6924

PHYSICAL PLANNING TEMPLATE SYSTEM/360 MODEL 65 MULTISYSTEM
Equipment templates on acetate sheets, 1/4 inch equals 1 foot scale, for planning machine room layouts. Template, 8 1/2 x 11 inch, 4 pages

GX22-6925

IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 FIELD ENGINEERING FURNITURE AND TEST EQUIPMENT SYSTEM/360 SYSTEM/370 TEST EQUIPMENT ANALYZER FURNITURE BASIC STORAGE MODULE DATA ADAPTER UNIT
Furniture and test equipment templates on 8-1/2 x 11 inch acetate sheet, for planning FE room layouts. Scale: 1/4 inch equals one foot. Includes one desk, one workbench, one

study table, one bookcase, one card file, one microfiche viewer, one tool and test equipment cart, one BSM cart, one FE/DAU, one BSM analyzer, and two shelf cabinets, two parts cabinets, two book carts, and three file cabinets. 8-1/2 x 11 inch acetate templates, one page

GX22-6981

IBM PHYSICAL PLANNING TEMPLATE SYSTEM/360 MODEL 195
Equipment templates on 8-1/2 x 11 inch acetate sheets, 5 pages, for planning machine room layouts. Scale: 1/4 inch equals 1 foot. Includes one composite 3195 Model J and K, one composite 3195 Model KJ and L, one 3060-1, one 3085, one 3086, three 3080s, two 2860s, two 2870s, and four 2880s. Acetate Template, 5 pages

GX22-6984

IBM SYSTEM/370 MODEL 165 OPERATORS REFERENCE CARD
This reference card highlights necessary operating procedures and abbreviated step-by-step instructions for operating the System/370 Model 165. The information is condensed from the IBM System/370 Model 165 Operating Procedures (GA22-6969). Reference card

GX22-6985

IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 CHANNELS: 2860, 2870, AND 2880
Equipment templates on two 8-1/2 x 11-inch acetate sheets, for planning machine room layouts. Scale: 1/4 inch equals one foot. Includes three 2860's, three 2870's, and four 2880-1,2's. Acetate Templates, 8-1/2 x 11 inches, 2 pages

GX22-7005

IBM PHYSICAL PLANNING TEMPLATE SYSTEM/370 MODEL 145
Equipment templates on 8-1/2 x 11 inch acetate sheets, 1 page, for planning machine room layouts. Scale: 1/4 inch equals 1 foot. Includes one 3145, one 3145 with 3345/3346, one 3145 with 3345/3346 and natively attached disk storage, one 3046-1, and one 3210-2. Positioning is also shown for 3210-1 and 3215. Acetate Template, 1 page

GX22-7006

IBM PHYSICAL PLANNING TEMPLATE SYSTEM/370 MODEL 155
Equipment templates on 8-1/2 x 11 inch acetate sheets, 2 pages, for planning machine room layouts. Scale: 1/4 inch equals 1 foot. Includes one 3155 composite of Models H-J, one 3155 composite of Models JI and K, and one 3210-2. Positioning is also shown for 3210-1 and 3215. Acetate Template, 2 pages

GX22-7007

IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 165
Equipment templates on 8-1/2 x 11 inch acetate sheets, three pages, for planning machine room layouts. Scale: 1/4 inch equals one foot. Includes one composite 3165 Models I and J with 3360's, one composite 3165 Models JI and K with 3360's, one composite 3165 Model KJ with 3360's, one 3066-1, and one 3067. 8-1/2 x 11 inch acetate templates, three pages

GX22-7008

IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 135
Equipment template on 8-1/2 x 11 inch acetate sheet, 1 page, for planning machine room layouts. Scale: 1/4 inch equals one foot. Includes one 3135 with five attached disk storage drives and one 3046-1. Acetate template, 8-1/2 x 11 inches, 1 page

GX22-7018

IBM PHYSICAL PLANNING TEMPLATE SYSTEM/360 AND SYSTEM/370
Equipment templates on 8-1/2 x 11 inch acetate sheets 1 page, for planning machine room layouts. Scale: 1/4 inch equals 1 foot. Includes one composite 3271, 3272, 3275, 3277-1 and 3277-2, 3284, 3286. Template, 1 page

GX22-7021

IBM PHYSICAL PLANNING TEMPLATE SYSTEM/370 MODEL 125
Equipment template on 8-1/2 x 11 inch acetate sheet, 1 page for planning machine room layouts. Scale: 1/4 inch equals 1 foot. 8-1/2 x 11 inch acetate template

GX22-7022

IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 168
Equipment template on 8-1/2 x 11 inch acetate sheet, 1 page for planning machine room layouts. Scale: 1/4 inch equals 1 foot. Includes composite S/370 Model 168, 3168 Processing Unit. Template, 1 page

GX22-7023

IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 158
Equipment template on 8-1/2 x 11 inch acetate sheet, 1 page for planning machine room layouts. Scale: 1/4 inch equals 1 foot. Includes composite S/370 Model 158, 3158 Processing Unit.
Acetate Template, 1 page

GX24-3376

IBM 1052 KEY TABS: SYSTEM/360 MODEL 30, 1400 COMPATIBILITY
These key-tabs are fastened on the front of the keys on the IBM 1052 when the Model 30 is being operated in 1400 Compatibility Mode.
Plastic Sheet, 8-1/2 x 5-1/2

GX24-3406

IBM SYSTEM/360 MODEL 30 IBM 2702 WORKSHEET
Multiplexer channel multiplex mode loading evaluation for IBM System/360 Model 30 may indicate an apparent overload for the IBM 2702 Transmission Control Unit (when attached to the multiplexer channel). This worksheet is then used with an alternate procedure for evaluation of the 2702. This worksheet is designed for use with the alternate procedure for the 2702 described in IBM SYSTEM/360 MODEL 30 CHANNEL CHARACTERISTICS AND FUNCTIONAL EVALUATION, GA24-3411.
Padded Form, 16-1/2 x 11, 25 sheets per pad

GX24-3407

IBM SYSTEM/360 MODEL 30 MULTIPLEXER CHANNEL WORKSHEET
Worksheet is used to facilitate evaluation of the channel effects imposed upon IBM System/360 Model 30 when the multiplexer channel is operating in multiplex mode. The evaluation procedure is described in IBM SYSTEM/360 MODEL 30 CHANNEL CHARACTERISTICS AND FUNCTIONAL EVALUATION, GA24-3411.
Padded Form, 16-1/2 x 11, 25 sheets per pad

GX24-3448

IBM 1445 PRINTER SPACING CHART
This chart is scaled in non-photographic blue and provides 113 printing positions at eight characters per inch for carriage spacing of six lines per inch. Vertical rulings are shown for each inch or every eight characters apart to assist in printing layout. A carriage-control tape facilitates planning for tape punching. Space is available on the top of the form to indicate miscellaneous print line formats.
Padded Form, 25 Sheets Per Pad

GX24-3477

IBM 1400 COMPATIBILITY INITIALIZATION DECK SYSTEM/360 MODEL 30 CODING SHEETS 1 AND 2
Coding sheet for 1400 Compatibility Deck for System/360 Model 30 through 65K.
Padded Form, 8 1/2 x 11, 2 sides, 25 sheets

GX24-3541

MULTIPLEXER CHANNEL WORKSHEET - SYSTEM/360 MODEL 25 CONFIGURATION A AND B
Worksheet is used to facilitate evaluation of the channel effects imposed upon IBM System/360 Model 25 when the multiplexer channel is operating in multiplex mode. The evaluation procedure is described in IBM SYSTEM/360 MODEL 25 CHANNEL CHARACTERISTICS AND FUNCTIONAL EVALUATION, GA24-3538.
Padded form, 25 sheets per pad, 16 1/2 x 11, two sides

GX24-5046

IBM SYSTEM/360 ASSEMBLER CODING FORM, BPS/BOS/TOS/DOS DTFSR ENTRIES, CARD READ-PUNCH
Coding form for recording source instructions to be key punched for input to Assembler program.
Padded Form, 8 1/2 x 14, 1 side, 25 sheets

GX24-5047

IBM SYSTEM/360 ASSEMBLER CODING FORM, BPS/BOS/TOS/DOS DTFSR ENTRIES, PRINTER AND PRINTER-KEYBOARD
Coding form for recording source instructions for keypunching into input code for assembler program.
Padded Form, 8 1/2 x 14, one side, 25 sheets

GX24-5048

IBM SYSTEM/360 ASSEMBLER CODING FORM, BOS/DOS DTFSR ENTRIES, DISK
Coding form for recording source instructions for keypunching input to Assembler program.
Padded Form, 8 1/2 x 14, 1 side, 25 sheets

GX24-5055

IBM SYSTEM/360 ASSEMBLER CODING FORM, TOS/DOS
Coding form for recording source instructions to be keypunched for Assembler program.
Padded Form, 8 1/2 x 14, 2 sides, 25 sheets

GX26-1587

IBM REFERENCE CARD, DECIMAL/HEXADECIMAL INTEGER CONVERSION CHART
This chart is used to convert decimal numbers to hexadecimal and hexadecimal numbers to decimal.
The chart covers the range of integers from 0000 to 4095. Additional instructions are provided to convert decimal and hexadecimal numbers beyond this range.
Reference Card, 8 1/2 x 29, 7 folds

GX26-1588

IBM REFERENCE CARD, DECIMAL/HEXADECIMAL FRACTION CONVERSION CHART
This chart is used to convert decimal fractions to hexadecimal and hexadecimal fractions to decimal.
The chart covers the range of fractions from 0.00000000 to 0.00075586. Additional instructions are provided to convert decimal and hexadecimal fractions beyond this range.
Reference Card, 8 1/2 x 29, 7 folds, 2 sides

GX26-1618

IBM 2730 TRANSACTION VALIDATION TERMINAL - REFERENCE CARD *N
Inexperienced operators and maintenance personnel will find easy reference to installation, operation and problem determination material for the 2730 Transaction Validation Terminal. Functional checks are also included. Experienced operators will find the summary an easy reference source under operating conditions. Packaging and shipping information is included.
Operators and maintenance personnel should be familiar with the Credit Card System Component Description: IBM 2730 Model 1 Transaction Validation Terminal, IBM 2968 Model 9 Receiver Terminal Control Unit, Order No. GA26-1599.
Reference Card, 8 pages

GX26-5508

IBM PHYSICAL PLANNING TEMPLATE SYSTEM/360 PROCESS I/O DEVICES
This template gives a scaled representation of the physical planning specifications for the IBM System/360 process I/O Devices.
Template, 8 1/2 x 11, 2 pages

GX27-2901

IMAGE PLANNING CHART - 2760 OPTICAL IMAGE UNIT, REGISTRATION PUNCHING ACME
No abstract available.
Padded Form, 25 per pad

GX27-2902

IMAGE PLANNING CHART - 2760 OPTICAL IMAGE UNIT REGISTRATION PUNCHING OXBERRY
No abstract available.
Padded Form, 25 per pad

GX27-2903

2760 LAYOUT GUIDE (REGISTRATION PUNCHING-ACME) *N
This is a transparent layout guide for 2760 - Acme.
Plastic Sheet, 14 x 11

GX27-2904

2760 LAYOUT GUIDE (OXBERRY) *N
No abstract available.
Transparent Layout Guide

GX27-2905

IBM 2760 OPTICAL IMAGE LIMIT AUXILIARY SCREEN OVERLAY GUIDE *N
This form is used by the 2760 operator for Auxiliary Screen Overlay.
Form, 7-1/2 x 9-1/4, 1 sheet

GX27-2950

2250 DISPLAY LAYOUT SHEET
Sheet used to plan locations, on 2250 Display screen, of output areas.
Padded Form, 17 x 18 1/2, 1 side, 25 sheets

GX27-2951

IBM 3270 INFORMATION DISPLAY SYSTEM LAYOUT SHEET *N
No abstract available.
Pad, 25 sheets per pad

GX28-0634

OS/VS SERVICE AIDS REFERENCE SUMMARY
This reference card contains information extracted from the publication OS/VS Service Aids, GC28-0633. It summarizes when, why, and how to use IBM service aids to diagnose and fix failures in system or application programs.
The card contains a symptom table, which relates various kinds of failures to the particular service aid (or subfunction within a service aid) that can best be used to diagnose and fix each failure. It also contains simple

functional descriptions of each service aid and examples of their use. Each example can be used to execute a basic function of a service aid program. For best results, however, consult the OS/VS Service Aids publication for details before running any service aid program.
Card, 3-5/8 x 8-1/2 inches

GX28-0647

OS/VS2 TSO COMMAND LANGUAGE REFERENCE SUMMARY
This card is intended for reference use at a terminal. It outlines the syntax of TSO commands and is based on the publication OS/VS2 TSO Command Language Reference, GC28-0646. Since the command descriptions are brief and only the syntax is presented, the user should have an understanding of the TSO commands and of using a terminal.
Card, 12 sides

GX28-0690

OS/VS DSS COMMAND LANGUAGE REFERENCE SUMMARY CARD
This reference card summarizes Dynamic Support System command syntax, the purposes of DSS commands, the uses of DSS keyword operands, and the use of the RESTART key. The card is intended for maintenance personnel who are authorized to use DSS and have read OS/VS Dynamic Support System, GC28-0640.
Language Reference Summary Card

GX28-1464

COBOL CODING FORM
This form is used for COBOL coding.
Form, 8-1/2 x 11, one side, one sheet

GX28-1520

IBM REFERENCE CARD - COBOL
This reference card is used for COBOL.
Reference Card, 7-1/2 x 3-1/4, 2 folds

GX28-6384

IBM FORTRAN IV REFERENCE CARD
This reference card contains FORTRAN IV information for IBM 1130 System and IBM 1800 System (1130/1800), IBM System/3, IBM System/360 Disk Operating System (DOS), IBM System/360 Operating System (G, H, G1, H Extended, and Code and Go), IBM System/360 Time Sharing System (TSS/360), IBM Call/360-OS (CALL/360), American National Standard FORTRAN, X3.9-1966, and American National Standard Basic FORTRAN, X3.10-1966. This card is intended to be used as a secondary reference. The basic program documentation is the authoritative source and will be the first to reflect any changes and improvements to the FORTRAN IV language.
Reference Card, 10 folds

GX28-6400

TSS/360 QUICK GUIDE FOR USERS
PROGRAM NUMBER 360G-CL-627
Small hand type, quick reference manual on TSS/360. Provides information on terminals, commands, FORTRAN, and Assembler.
Manual, 112 pages

GX28-6401

TSS/360 QUICK GUIDE FOR SYSTEM PROGRAMMERS: TSS, ASSEMBLER, CONTROL BLOCKS - REFERENCE SUMMARY, PROG. NO. 360G-CL-627
This publication is designed to serve as a "quick guide" for System Programmers using TSS/360. It contains reference information about TSS, assembler and control blocks.
3 1/2 x 8 1/2 inch booklet, 50 pages

GX28-6506

IBM SYSTEM/360 BASIC ASSEMBLER SHORT CODING FORM
This form is designed to assist programmers in coding programs in the IBM System/360 special support basic assembler language, as described in (GC28-6503)
Padded Form, 25 to a Pad, 8-1/2 x 11

GX28-6507

IBM SYSTEM/360 BASIC ASSEMBLER LONG CODING FORM
This form is designed to assist programmers in coding programs in the IBM System/360 special support basic assembler language, as described in (GC28-6503)
Padded Forms, 25 to a Pad

GX28-6509

IBM SYSTEM/360 ASSEMBLER CODING FORM
Coding form for entry of source data to be keypunched for Assembler programs.
Padded Form, 25 sheets, 8 1/2 x 14, one side

GX28-6731

OPERATING SYSTEM SUMMARY CHART
This wallchart can be used to document the standard and optional items in the individual System/360 or System/370 Operating System. The user checks the boxes beside the

items in his system, or supplies the number, name, or address where appropriate.
Summary Chart, 2 pages

GX28-6749

IBM OPERATING SYSTEM/360 REFERENCE CARD: SERVICE AIDS
This reference card contains information extracted from manual GC28-6719-0, IBM Operating System/360 Service Aids and applies to Release 19.
Reference Card, 3 3/4 x 8 1/2 inch, 2 pages

GX28-6781

IBM S/360 TSO COMMAND LANGUAGE REFERENCE SUMMARY
360S-CI-555 TIME SHARING - S/360 OS - TSO
OPERATING SYSTEM/360 - TSO MULTIPROGRAMMING - S/360 OS - TSO
OPTION - S/360 OS - TSO CONTROL - S/360 OS - TSO
REFERENCE CARD - SOFTWARE COMMAND LANGUAGE
TIME SHARING OPTION - COMMAND LANGUAGE
This reference summary will be updated from time to time; however, the basic documentation is the authoritative source and will be first to reflect changes. Effective system level is OS Release 21. Information herein is extracted from GC28-6732-2.

Requests for copies of this and other IBM publications should be made to your IBM representative or to the IBM branch office serving your locality. Please direct any comments on the contents of this publication to the address on the front cover. All comments and suggestions become the property of IBM.
Reference card

GX28-6783

IBM OS/360 JOB CONTROL LANGUAGE SYNTAX REFERENCE SUMMARY
This reference summary supersedes X20-1746-5. Effective system level is OS Release 21. Information contained in this summary is extracted from GC28-6704-2. Changes or additions are marked by a vertical line to the left of the change.
Reference card

GX28-6812

SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM -
FORMATS FOR MACHINE-CHECK INTERRUPTION DIAGNOSTICS
This reference card is used for System/360 Model 44 - formats for machine-check interruption diagnostics.
Reference Card, 7-1/2 x 3-1/4, 2 folds

SX28-6813

IBM SYSTEM/360 OS/DOS ITF: PLI REFERENCE CARD
PROGRAM NUMBERS 5734-RC1, 5736-RC1
A 12-page folder containing the keys to symbols in formats, system information and ITF:PL/I Language.
Program Product Reference Card

SX28-6814

IBM SYSTEM/360 OS/DOS ITF: BASIC, REFERENCE CARD, PROG. NOS.
5734-RC3 AND 5736-RC2
Reference card containing information on system and ITF: BASIC.
Reference Card

GX28-7327

FORTRAN CODING FORM
This is a form for coding FORTRAN statements.
Padded Form, 8 1/2 x 14, one side, 25 sheets

SX28-8193

IBM FORTRAN INTERACTIVE DEBUG FOR OS (TSO) AND VM/370 (CMS)
REFERENCE CARD - PROGRAM NUMBER 5734-FO5
No abstract available.
Reference card, 12 cards

GX28-8195

IBM GUIDE TO AMERICAN NATIONAL STANDARD COBOL REFERENCE CARD
No abstract available.
Reference card, 10 cards

GX33-6000

IBM SYSTEM/360 OPERATING SYSTEM PL/1 (F)
REFERENCE CARD: KEYWORDS
No abstract available.
Reference card, 16 slides, fanfold

SX33-6001

DISK OPERATING SYSTEM/360 REFERENCE CARD PL/I OPTIMIZING
COMPILER KEYWORDS
This reference card contains information to readily assist the user of the DOS PL/I Optimizing Compiler. Keywords, their use and examples are included. The information is extracted from the IBM System/360 Disk Operating System PL/I Optimizing Compiler Language Reference Manual, Order Number SC33-0005.
Reference Card

SX33-6002

OS PL/I OPTIMIZING AND CHECKOUT COMPILERS:
KEYWORDS, TERMINAL COMMANDS, AND COMPILER OPTIONS
REFERENCE CARD - PROGRAM NUMBERS 5734-PL1, PL2, PL3
 This reference card contains extracts from documents related to OS PL/I Optimizing and Checkout compilers. Keywords, terminal commands, and compiler options are recorded. Reference card, foldout, 8-1/4 x 3-1/2 inches, 20 pages

except those that are IBM proprietary.
 Microfiche

GX35-5001

IBM SYSTEM/360/370 REFERENCE DATA 2401-2404, 2415, 2420, AND 3420 MAGNETIC TAPE UNITS
 This pocket-size reference card assists in estimating tape processing times and block capacities per full reel for all IBM tape systems currently in production. This card obsoletes X22-6837.
 Reference Card, 5 folds; pocket size

LYB0-0433

INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360: SYSTEM MANUAL, VOLUME III - ASSEMBLY LISTINGS MICROFICHE PROGRAM NUMBER 5736-CX3, FEATURE CODE 8003
 This manual contains program listings which may be used in conjunction with the information contained in Volumes I and II. These listings appear in alphabetic order by module name and a cross-reference index is supplied which relates the assembly modules to the load modules.
 Microfiche

LYA2-5201

IBM SYSTEM/360 AND SYSTEM/370 (OS/TSO) MATRIX INTERPRETATIVE SYSTEM (MATSYS) PROGRAM LISTING - PROGRAM PRODUCT 5734-XM7
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.
 Microfiche

LYB0-0454

PROJECT MANAGEMENT SYSTEM/360: VERSION 3, LISTINGS - SYSTEM MANUAL MICROFICHE PROGRAM NUMBER 5734-XP1 FEATURE CODE 8301
 This manual contains the assembler language listings of all the subroutines of PMS/360 Version 3 (5734-XP1). It should be used in conjunction with the Network Processor System Manual (feature 8101), Cost Processor System Manual (feature 8102), Report Processor System Manual (feature 8103), Resource Allocation Processor System Manual (feature 8104), and Flowchart Manual (feature 8105).
 Microfiche

LYA2-5203

IBM SYSTEM/360 AND SYSTEM/370 SUBROUTINE LIBRARY MATHEMATICS - MICROFICHE LISTING - PROGRAM NUMBER 5736-XM7
 This microfiche contains program listings for IBM System/360 and System/370 SL-MATH, Program 5736-XM7.
 Microfiche

LYB0-0465

GRAPHIC ANALYSIS OF THREE DIMENSIONAL DATA (GATD) SYSTEM MANUAL VOLUME 2 PROGRAM LISTINGS PROGRAM NUMBER 5734-XX2 - FEATURE CODE 8301
 This document contains Type I OS program listings and DOS/OS PTF listings.
 Microfiche

LYA9-2007

IBM VEHICLE SCHEDULING PROGRAM--EXTENDED (OS) PROGRAM LOGIC MANUAL, VOLUME III PROGRAM LISTINGS - MICROFICHE, PROGRAM NUMBER 5734-XM5
 The program listings for the IBM Vehicle Scheduling Program--Extended have been placed on microfiche. They have been cross-referenced to the flowcharts which are available in Volume II of the Program Logic Manual, Form LY19-2006.
 Microfiche

LYB0-0480

LAW ENFORCEMENT MANPOWER RESOURCE ALLOCATION SYSTEM (LEMRAS) VOLUME 2 LISTINGS - MICROFICHE SYSTEM MANUAL PROGRAM NUMBER 5736-G21, FEATURE CODE 8401
 The System/360 Law Enforcement Manpower Resource Allocation System (LEMRAS) is a system which can assist police departments in the planning and evaluation of patrol manpower use, applying scientific management techniques to maintain and analyze information relating to called-for-service activity. LEMRAS forecasts future activity over user-defined geographic areas and time periods. The forecasted activity may, upon request, be analyzed to derive information on the number of patrol units required to answer the calls. LEMRAS-prepared information may also be combined with other data to help derive total manpower requirements.
 This microfiche manual presents the program assembly and linkage edit listings. The program, narratives, flowcharts, and the switch and register usage lists are in Volume 1 of the LEMRAS System Manual (LY20-0479).
 Microfiche

LYA9-2008

IBM VEHICLE SCHEDULING PROGRAM -- EXTENDED (DOS) PROGRAM LOGIC MANUAL, VOLUME III PROGRAM LISTINGS - MICROFICHE PROGRAM NUMBER 5734-XM5
 The program listings for the IBM Vehicle Scheduling Program -- Extended have been placed on microfiche. They have been cross-referenced to the flowcharts which are available in Volume II of the Program Logic Manual, Form LY19-2006.
 Microfiche

LYA9-5038

SIMULATION LANGUAGE BASED ON PL/1 (SIMPL/1) PROGRAM LOGIC MANUAL, VOL. II, FLOWCHARTS - PROGRAM NUMBER 5734-XXB
 This set of microfiche cards contains flowcharts and is an addition to the SIMPL/I Logic Manual, Vol. I, Narratives, LY19-5037, which is available in hardcopy.
 Microfiche

GYB0-0492

SYSTEM/360 VEHICLE SCHEDULING PROGRAM (360A-ST-06X) LISTINGS - SYSTEM MANUAL
 This microfiche manual contains the assembler listings for the Schedule Production and Distance List sections of VSP/360. Only the microfiche edition is available.
 Microfiche

GYB0-0304

PROJECT CONTROL SYSTEM/360 VERSION 2 MICROFICHE-LISTINGS PROGRAM NUMBER: 360A-CP-06X
 This publication (on microfiche) contains the DOS assembler and DOS FORTRAN Compiler output listings for PCS/360, Version 2.
 Microfiche

GYB0-0507

IBM SYSTEM/360 DOS POWER II: LISTINGS - MICROFICHE PROGRAM NUMBER 360D-05.2.006
 This manual contains the source listing of the macros of POWER II (priority Output Writers, Execution Processors, and Input Readers) and a sample assembly of the program. This manual is available in microfiche only.
 Microfiche

GYB0-0347

SYSTEM/360 MATRIX LANGUAGE (MATLAN) LISTINGS, PROGRAM NUMBER 360A-CM-05X
 This Microfiche Publication contains the Assembler and Compiler listings for the System/360 Matrix Language (MATLAN) program. It should be used in conjunction with the MATLAN System Manual (GY20-0261).
 Microfiche

GYB0-0508

IBM SYSTEM/360/370 ATTACHED SUPPORT PROCESSOR (ASP) VERSION 2 MICROFICHE, PROGRAM NUMBER 360A-CX-15X
 This manual is available in microfiche only and contains the assembly listings for the Attached Support Processor (ASP) Version 2.
 Microfiche

GYB0-0348

SYSTEM/360 AD-APT/AUTOSPOT (OS) NUMERICAL CONTROL PROCESSOR: LISTINGS APPLICATION - PROGRAM NUMBER 360A-CN-12X
 This manual contains assembly listing for System/360 AD-APT/AUTOSPOT (OS) NUMERICAL CONTROL PROCESSOR. They should be used in conjunction with the System Manual (GY20-0267).
 Microfiche

GYB0-0512

HASP MICROFICHE LISTINGS - PROGRAM NUMBER 360D-05.1.014
 Microfiche listings for program named in the title.
 Microfiche

GYB0-0414

LINEAR PROGRAMMING SYSTEM/360 (LPS/360) COMPILATION/ASSEMBLY LISTINGS MANUAL MICROFICHE - PROGRAM NUMBER 360A-CO-18X
 This manual (on microfiche) contains the compilation/assembly listings of all LPS source modules

GYB0-0515

2495 UTILITY FOR OS/360 - LISTINGS PROGRAM NUMBER 360D-00.0.020
 This fiche contains the assembly listings for 2495 Utility Program. It is available only in the microfiche edition.
 Microfiche

- GYBO-0516
CONVERSATIONAL REMOTE BATCH ENTRY (CRBE) VERSION 2: MOD 8 LISTINGS PROGRAM NUMBER 360D-05.1.016
 This manual contains the assembly listings for Version 2, Modification level 7 of the Conversational Remote Batch Entry (CRBE) program. Only the microfiche edition is available.
 Microfiche
- GYBO-0517
CONVERSATIONAL PROGRAMMING SYSTEM (CPS) VERSION 5 LISTINGS PROGRAM NUMBER 360D-03.4.016
 The abstract for this item may be found by referring to the abstract for the order number which appears below the title above.
 Microfiche
- GYBO-0527
SYSTEM/360 DOS POWER II, VERSION 2, WITH REMOTE JOB ENTRY (RJE) - LISTINGS PROGRAM NUMBER 360D-05.2.006
 This manual contains the listings and a sample assembly of the macros for Version 4 of DOS Poser II/RJE (Priority Output Writers, Execution Processors, and Input Readers, with Remote Job Entry). The listings should be used in conjunction with the program description and operations manual for POWER II/RJE (GH20-0761). This manual is available in Microfiche only.
 Microfiche
- GYBO-0538
CALL-OS VERSION 2 EXECUTIVE & UTILITY LISTINGS PROGRAM NUMBER 360A-CX-42X
 This microfiche publication contains the executive and utility listings for 360A-CX-42X, CALL-OS.
 Microfiche
- GYBO-0540
CALL/360-OS (VERSION 1) BASIC ASSEMBLY LISTINGS PROGRAM NO. 360A-CX-44X (FE #030440)
 This microfiche manual contains the source listings for the BASIC compiler program of CALL/360-OS. Only the microfiche edition is available.
 Microfiche
- GYBO-0541
CALL/360-OS (VERSION 1) FORTRAN ASSEMBLY LISTINGS PROG. NO. 360A-CX-46X (FE #030460)
 This microfiche manual contains the source listings for the FORTRAN compiler program of CALL/360-OS. Only the microfiche edition is available.
 Microfiche
- GYBO-0542
CALL/360-OS (VERSION 1) PL/I ASSEMBLY LISTINGS PROGRAM NO. 360A-CX-45X (FE #030450)
 This microfiche manual contains the source listings for the PL/I compiler of CALL/360-OS. Only the microfiche edition is available.
 Microfiche
- GYBO-0592
CP-67/CMS CP67 LISTINGS - PROG. NO. 360D-05.2.005
 This manual contains the Version 3, CP-67 Assembly Listings.
 Microfiche
- GYBO-0593
CP-67/CMS, CMS LISTINGS, PROGRAM NUMBER 360D-05.2.005
 This microfiche contains listings of CP-67/CMS
 Microfiche
- GYBO-0598
COMPATIBILITY OPERATING SYSTEM FOR EMULATION OF IBM 1410/7010 DATA PROCESSING SYSTEMS OPERATING ON IBM SYSTEM/360 MODEL 50 (COS/50) (360D-11.1.025) LISTINGS
 This Manual contains the listings of the Compatibility Operating System (COS/50). COS/50 is used with System/360 Compatibility Feature No. 4478, modified by RPQ F23666, to execute IBM 1410/7010 programs on an IBM System/360 Model 50. COS/50 operates as a problem program under the IBM System/360 operating System.
 Microfiche
- LYBO-0617
PROJECT MANAGEMENT SYSTEM IV (PMS IV) COST PROCESSOR ASSEMBLY LISTINGS PROGRAM NUMBER 5734-XP4, FEATURE CODE 8076
 This Microfiche Publication contains the assembly listings for the Cost Processor Program of PMS IV.
 Microfiche
- LYBO-0618
PROJECT MANAGEMENT SYSTEM IV (PMS IV) NETWORK PROCESSOR ASSEMBLY LISTINGS PROGRAM NUMBER 5734-XP4, FEATURE CODE 7406
 This Microfiche Publication contains the assembly listings for the Network Processor Program of PMS IV.
 Microfiche
- LYBO-0619
PROJECT MANAGEMENT SYSTEM IV (PMS IV) RESOURCE ALLOCATION PROCESSOR ASSEMBLY LISTINGS PROGRAM NUMBER 5734-XP4, FEATURE CODE 8079
 Microfiche Publication contains the Assembly Listings for the Resource Allocation Processor Program of PMS IV.
 Microfiche
- LYBO-0620
PROJECT MANAGEMENT SYSTEM IV (PMS IV) REPORT PROCESSOR ASSEMBLY LISTINGS PROGRAM NUMBER 5734-XP4, FEATURE CODE 8070
 This microfiche publication contains the assembly listings for the Report Processor Program of PMS IV.
 Microfiche
- LYBO-0625
APL/360-OS ASSEMBLY LISTINGS, PROGRAM NUMBER 5734-XX6, FEATURE CODE 8092, FE SERVICE NUMBER 200156
 This set of microfiche cards contains the assembly listings of the APL/360-OS Program.
 Microfiche
- LYBO-0626
APL/360 - DOS ASSEMBLY LISTINGS, PROGRAM NUMBER 5736-XX6, FEATURE CODE 8065, FE SERVICE NUMBER 200157
 This set of microfiche cards contains the assembly listings of the APL/360 - DOS Program.
 Microfiche
- LYBO-0631
INFORMATION MANAGEMENT SYSTEM/360 (IMS/360) VERS. 2, MOD LEVEL 3, DATA BASE LISTINGS, VOL 3, PROG. PROD. 5734-XX6
 This Microfiche publication contains the Data Base Assembly Listings of IMS/360.
 Microfiche
- LYBO-0632
INFORMATION MANAGEMENT SYSTEM/360, VERSION 2, VOLUME 4, DATA COMMUNICATION LISTINGS, MICROFICHE PROGRAM NUMBER 5734-XX6, FEATURE CODE 8083
 This microfiche publication contains the Data Communication Assembly Listings of IMS/360.
 Microfiche
- LYBO-0643
MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) MICROFICHE ASSEMBLY LISTINGS - PROGRAM NUMBER 5734-XX4 FE SERVICE NUMBER 200080
 This microfiche publication contains the MPSX Assembly Listings.
 Microfiche
- LYBO-0644
MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX), MIXED INTEGER PROGRAMMING (MIP), PROGRAM NUMBER 5734-XX4, ASSEMBLY LISTING MICROFICHE
 This Microfiche Publication contains the MPSX (MIP) Assembly Listings.
 Microfiche
- LYBO-0720
COURSEWRITER III, DOS VERSION 3 LISTINGS - MICROFICHE PROGRAM NUMBER 5736-E11
 This microfiche contains the Coursewriter III, DOS Version 3, assembly listings.
 Microfiche
- LYBO-0721
COURSEWRITER III, DOS VERSION 3 FLOWCHARTS MICROFICHE - PROGRAM NUMBER 5736-E11
 This microfiche contains the flowcharts for the Coursewriter III, DOS Version 4 program.
 Microfiche
- LYBO-0724
CUSTOMER INFORMATION CONTROL SYSTEM/DISK OPERATING SYSTEM ENTRY (CICS-DOS E) MICROFICHE LISTING, PROG. NO. 5736-XX6
 This microfiche contains the assembly listings for the CICS-DOS E program.
 Microfiche

- LYBO-0735
CUSTOMER INFORMATION CONTROL SYSTEM/DISK OPERATING SYSTEM STANDARD (CICS-DOS S) MICROFICHE LISTING, PROG PROD 5736-XX7
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.
 Microfiche
- LYBO-0781
CUSTOMER INFORMATION CONTROL SYSTEM/OPERATING SYSTEM STANDARD (CICS/OS-STANDARD) VERSION 2 PROGRAM LISTINGS MICROFICHE - PROGRAM NUMBER 5734-XX7
 This microfiche publication contains the assembly listings for Version 2 of the CICS/OS - Standard Program.
 Microfiche
- LYBO-0784 *M
COURSEWRITER III, VERSION 3 OS FLOWCHARTS - MICROFICHE PROGRAM NUMBER 5734-E13
 This microfiche contains the flowcharts for the Coursewriter III, Version 3 OS program.
 Microfiche
- LYBO-0785
COURSEWRITER III, VERSION 3 OS LISTINGS - MICROFICHE PROGRAM NUMBER 5734-E13
 This document contains Type I OS program listings and DOS/OS PTF listings.
 Microfiche
- GYBO-0789
CONTROL PROGRAM-67/CAMBRIDGE MONITOR SYSTEM (CP-67/CMX) VERSION 3.1 (COMPONENT RELEASE 1) 3420 MAGNETIC TAPE UNITS AND DUAL DENSITY SUPPORT - LISTINGS (MICROFICHE) PROGRAM NUMBER 360D-05.2.005
 This microfiche publication contains the version 3.1 (CP-67/CMS) 3420 Magnetic Tape Units and Dual Support Listings.
 Microfiche
- LYBO-0824 *N
INTERACTIVE TRAINING SYSTEM MICROFICHE LISTINGS - PROGRAM NUMBER 5734-XXC
 No abstract available.
 Microfiche
- LYBO-0832 *N
MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) GENERALIZED UPPER BOUNDING (GOB) MICROFICHE LISTINGS - PROGRAM NUMBER 5734-XX4
 No abstract available.
 Microfiche
- LYBO-0834 *N
INTERACTIVE QUERY FEATURE (IQF) TO IMS/360: MICROFICHE LISTINGS - PROGRAM NUMBER 5734-XX6
 No abstract available.
 Microfiche
- GYBO-0854 *N
IBM S/360, 370 ASYMMETRIC MULTIPROCESSING SYSTEM (ASP VERSION 3): LISTINGS MICROFICHE PROGRAM NUMBER 360A-CX-15X
 No abstract available.
 Microfiche
- GYBO-0856 *N
S/370 HASP II VERSION 4 MICROFICHE - PROGRAM NUMBER 370H-TX-001
 No abstract available.
 Microfiche
- LYBO-0864 *N
GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) BASIC RETRIEVAL SYSTEM MICROFICHE - PROGRAM NUMBER 5734-XX1
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.
 Microfiche
- LYBO-0865 *N
GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) ARITHMETIC STATEMENT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.
 Microfiche
- LYBO-0866 *N
GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) TELEPROCESSING SUPPORT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.
 Microfiche
- LYBO-0867 *N
GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) CONTROL STATEMENT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.
 Microfiche
- LYBO-0868 *N
GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) PROCESSING STATEMENT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.
 Microfiche
- LYBO-0869 *N
GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) FORMAL REPORT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.
 Microfiche
- LYBO-0870 *N
GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) HIERARCHICAL FILE SUPPORT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.
 Microfiche
- LYBO-0871 *N
GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) UPDATE AND CREATE FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.
 Microfiche
- LYBO-0872 *N
GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) UTILITY FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.
 Microfiche
- LYBO-0873 *N
GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) EDIT AND ENCODE FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.
 Microfiche
- LYBO-0874 *N
GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) FILE MODIFY FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.
 Microfiche
- LYBO-0875 *N
GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) DATA LANGUAGE/1 QUERY SUPPORT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.
 Microfiche

- LYBO-0876 *N Microfiche
GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) EXTENDED MULTI-FILE SUPPORT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.
 Microfiche
- SYBO-0900 *N GYC7-1903
IBM VM/370: CP MICROFICHE - PROGRAM NUMBER 5749-010
 This publication is the microfiche of the VM/370 Control Program. It is divided into four sections:
 1. The table of contents and index
 2. The assembler listings of the Control Program modules
 3. The label cross reference for CP
 4. The PTFs
 For convenience, OS/VS1 EREP Assembler Listings are also included.
 Microfiche
- SYBO-0901 *N GYC7-1904
IBM VM/370: CMS MICROFICHE - PROGRAM NUMBER 5749-010
 This publication is the VM/370 CMS microfiche. It is divided into six sections:
 1. The Table of Contents and Index
 2. The Assembler Listings of the CMS Modules
 3. The Assembler Listings of the System Assembler
 4. The Assembler Listings of VM/370 BASIC
 5. The Label Cross-reference for CMS
 6. The PTFs
 Microfiche
- LYB1-0450 *N GYC7-1905
S/360 DOS RPG II COMPILER, LISTINGS, PROG. PROD. 5736-RG1
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.
 Microfiche
- LYC7-0901 *N GYC7-1906
DOS 01-0 SORT/MERGE LISTINGS - PROGRAM PRODUCT 5743-SM1
 The microfiche cards contain program listings of all the modules of DOS Sort/Merge, 5734-SM1. The program itself includes all functions, facilities and options of the 5736-SM1 Program Product and The Type 1 360N-SM-483 Sort/Merge program such as ASCII support and support of the COBOL Sort Verb besides the following: (a) support of the 3330 DASD and the 3400-series tape devices for input, output and work data sets, (b) reduction in main storage requirements from 22K to 10K when sorting on 2314/2319 DASD. Allow sorting in 10K for all DASD and DASD supported (c). Increased security through an option to erase work data sets (except 2400-series tape devices (d) a facility to specify and programmer logical unit number for input, output, and work data sets.
 Microfiche
- LYC7-1317 *N GYC7-1907
IBM DISK OPERATING SYSTEM REPORT PROGRAM GENERATOR II AUTO REPORT FEATURE - PROGRAM LISTINGS - PROGRAM NUMBER 5736-RG1
 Contains Type I DOS program listings as specified in the title.
 Microfiche
- LYC7-1700 *N GYC7-1908
DOS/360 ASCII MAGNETIC TAPE UTILITIES PROGRAM LISTINGS PROGRAM NUMBER 5736-UT2
 This microfiche contains the source listings of the modules that make up the DOS/360 ASCII Magnetic Tape Utilities.
 Microfiche
- GYC7-1900 *N GYC7-1909
S/370 DISK OPERATING SYSTEM ASSEMBLER D ASSEMBLY LISTINGS PROGRAM NUMBER 370N-AS-465
 Contains Type I DOS program listings as specified in the title.
 Microfiche
- GYC7-1901 *N GYC7-1910
SYSTEM/370 DISK OPERATING SYSTEM MICROFICHE ASSEMBLY LISTINGS - SYSTEM CONTROL/BASIC IOCS - PROGRAM NUMBER 370N-CL-453
 Contains Type I DOS program listings as specified in the title.
 Microfiche
- GYC7-1902 *N GYC7-1911
DOS 27.1 DIRECT ACCESS METHOD, ASSEMBLY LISTINGS, PROG. NO. 370N-IO-454
 Contains Type I DOS program listings as specified in the title.
- GYC7-1903 *N GYC7-1912
DOS 27 SEQUENTIAL DISK IOCS MICROFICHE LISTINGS - PROGRAM NUMBER 370N-IO-455
 Contains Type I DOS program listings as specified in the title.
 Microfiche deck
- GYC7-1904 *N GYC7-1913
DOS 27 MAGNETIC TAPE IOCS MICROFICHE LISTINGS - PROGRAM NUMBER 370N-IO-456
 Contains Type I DOS program listings as specified in the title.
 Microfiche deck
- GYC7-1905 *N GYC7-1914
DOS 27 ISFMS MICROFICHE LISTING - PROGRAM NUMBER 370N-IO-457
 Contains Type I DOS program listings as specified in the title.
 Microfiche deck
- GYC7-1906 *N GYC7-1915
DOS-27 PAPER TAPE IOCS - MICROFICHE LISTINGS PROGRAM NUMBER 360N-IO-458
 These microfiche cards contain listings of program mentioned in title.
 Microfiche
- GYC7-1907 *N GYC7-1916
DOS 27 SYSTEM UTILITY PROGRAMS, 370N-UT-491 MICROFICHE LISTING
 Contains Type I DOS program listings as specified in the title.
 Microfiche
- GYC7-1908 *N GYC7-1917
S/370 DISK OPERATING SYSTEM ENVIRONMENTAL RECORDING AND EDITING PROGRAM 370N-UT-492
 Contains Type I DOS program listings as specified in the title.
 Microfiche, 3 cards
- GYC7-1909 *N GYC7-1918
S/370 DISK OPERATING SYSTEM BASIC TELECOMMUNICATIONS ACCESS METHOD ASSEMBLY LISTINGS, PROGRAM NUMBER 370N-CQ-469
 Contains Type I DOS program listings as specified in the title.
 Microfiche, 9 cards
- GYC7-1910 *N GYC7-1919
S/370 DISK OPERATING SYSTEM QUEUED TELECOMMUNICATIONS ACCESS METHOD ASSEMBLY LISTINGS, PROGRAM NUMBER 370N-CQ-470
 Contains Type I DOS program listings as specified in the title.
 Microfiche
- GYC7-1911 *N GYC7-1920
SYSTEM/370 DISK OPERATING SYSTEM MICROFICHE ASSEMBLY LISTINGS 3735 TERMINAL SUPPORT - PROGRAM NUMBER 370N-CQ-493
 Microfiche assembly listings of System/370 Disk Operating System, Release 27 3735 Terminal Support, 370N-CQ-493.
 Microfiche
- GYC7-1912 *N GYC7-1921
SYSTEM/370 DISK OPERATING SYSTEM MICROFICHE ASSEMBLY LISTINGS OLTEP - PROGRAM NUMBER 370N-DN-481
 Microfiche assembly listings of System/370 Disk Operating System, Release 27 OLTEP, 370N-DN-481.
 Microfiche
- GYC7-1913 *N GYC7-1922
S/370 DISK OPERATING SYSTEM SYSTEM/370 EMULATOR ASSEMBLY LISTINGS - PROGRAM NUMBER 370N-EU-490
 Contains Type I DOS program listings as specified in the title.
 Microfiche, 10 cards
- GYC7-1914 *N GYC7-1923
SYSTEM/370 DISK OPERATING SYSTEM MICROFICHE ASSEMBLY LISTINGS COMPILER I/O MODULES - PROGRAM NUMBER 370N-IO-476
 Contains Type I DOS program listings as specified in the title.
 Microfiche, 44 cards
- GYC7-1915 *N GYC7-1924
S/370 DISK OPERATING SYSTEM MAGNETIC CHARACTER READER IOCS 370N-IO-477
 Contains Type I DOS program listings as specified in the title.
 Microfiche

GYC7-1916
S/370 DISK OPERATING SYSTEM OPTICAL CHARACTER READER IOCS ASSEMBLY LISTINGS - PROGRAM NUMBER 370N-IO-478
 Contains Type I DOS program listings as specified in the title.
 Microfiche, 1 card

GYC7-1917
SYSTEM/370 DISK OPERATING SYSTEM MICROFICHE ASSEMBLY LISTINGS MICROFICHE INDEX
 Microfiche Index Release 27 of DOS/370.
 Microfiche

GYC7-1918
DOS 27 ASSEMBLER F - MICROFICHE LISTING
PROGRAM NUMBER 360N-AS-466
 This document contains Type I OS program listings and DOS/OS PTF listings.
 Microfiche

GYC7-1919
DOS 27 COBOL D - MICROFICHE LISTING
PROGRAM NUMBER 360N-CB-452
 This document contains Type I OS program listings and DOS/OS PTF listings.
 Microfiche

GYC7-1920
DOS 27 ANS COBOL - MICROFICHE LISTING
PROGRAM NUMBER 360N-CB-482
 This document contains Type I OS program listings and DOS/OS PTF listings.
 Microfiche

GYC7-1921
S/370 DISK OPERATING SYSTEM LANGUAGE CONVERSION PROGRAM ASSEMBLY LISTINGS, PROGRAM NUMBER 360N-CV-489
 Contains Type I DOS program listings as specified in the title.
 Microfiche

GYC7-1922
S/370 DISK OPERATING SYSTEM FORTRAN IV ASSEMBLY LISTINGS - PROGRAM NO. 360N-FO-479
 Contains Type I DOS program listings as specified in the title.
 Microfiche

GYC7-1923
DOS 27 FORTRAN LIBRARY SUB PROGRAM MICROFICHE LISTINGS
PROGRAM NUMBER 360N-LM-480
 This document contains Type I OS program listings and DOS/OS PTF listings.
 Microfiche

GYC7-1924
S/370 DISK OPERATING SYSTEM PL/1 ASSEMBLY LISTINGS, PROGRAM NUMBER 360N-PL-464
 Contains Type I DOS program listings as specified in the title.
 Microfiche

GYC7-1925
DOS 27 DISK SORT/MERGE-MICROFICHE LISTINGS - PROGRAM NUMBER 360N-SM-450
 This document contains Type I OS program listings and DOS/OS PTF listings.
 Microfiche

GYC7-1926
S/370 DISK OPERATING SYSTEM MODULAR SORT/MERGE ASSEMBLY LISTINGS PROGRAM NUMBER 360N-SM-483
 Contains Type I DOS program listings as specified in the title.
 Microfiche

GYC7-1927
DOS 27 UTILITIES GROUP 1 - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-UT-461
 Contains Type I DOS program listings as specified in the title.
 Microfiche

GYC7-1928
S/370 DISK OPERATING SYSTEM GROUP 2 UTILITIES TAPE
360N-UT-462
 Contains Type I DOS program listings as specified in the title.
 Microfiche

LYC7-2300
ASSEMBLY LISTING MICROFICHE FOR TSO DATA UTILITIES - PROGRAM PRODUCT 5734-UT1
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.
 Microfiche

LYC7-2301
SYSTEM/360 OPERATING SYSTEM ASCII UTILITIES ASSEMBLY LISTING MICROFICHE - PROGRAM PRODUCT - PROGRAM NUMBER 5734-UT2
 No abstract available.
 Assembly Listing Microfiche

LYC7-2500
SYSTEM/360 OPERATING SYSTEM PL/I CHECKOUT COMPILER PROGRAM LISTING - PROGRAM NUMBER 5734-PL2
 No abstract available.
 Microfiche

LYC7-2501
DISK OPERATING SYSTEM/360 PL/I RESIDENT LIBRARY - ASSEMBLY LISTING MICROFICHE PROGRAM NUMBER 5736-LM4
 Microfiche of Assembly Listings.
 Microfiche

LYC7-2502
DISK OPERATING SYSTEM/360 PL/I TRANSIENT LIBRARY ASSEMBLY LISTING MICROFICHE - PROGRAM NUMBER 5736-LM5
 Microfiche of Assembly Listings.
 Microfiche

LYC7-2503
DISK OPERATING SYSTEM/360 PL/I OPTIMIZING COMPILER ASSEMBLY LISTING MICROFICHE - PROGRAM NUMBER 5736-PL1
 Microfiche of Assembly Listings.
 Microfiche

LYC7-2504
SYSTEM/360 OPERATING SYSTEM PL/I RESIDENT LIBRARY MICROFICHE - PROGRAM NUMBER 5734-LM4
 No abstract available.
 Microfiche

LYC7-2505
OS PL/I TRANSIENT LIBRARY - MICROFICHE, PROG. NO. 5734-LM5
 No abstract available.
 Microfiche

LYC7-2506
SYSTEM/360 OPERATING SYSTEM PL/I OPTIMIZING COMPILER MICROFICHE LISTINGS - PROGRAM NUMBER 5734-PL1
 No abstract available.
 Microfiche

LYC7-5006
IBM SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY - MICROFICHE LISTINGS - PROGRAM NUMBERS 5734-RC1, 5734-RC3
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

LYC7-5008
IBM SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY - MICROFICHE LISTINGS - PROGRAM NUMBERS 5734-RC1, 5734-RC3
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

LYC7-5009
IBM SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY - MICROFICHE LISTINGS - PROGRAM NUMBERS 5734-RC1, 5734-RC3
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

LYC7-5010
IBM SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY MICROFICHE LISTINGS - PROGRAM NUMBERS 5734-RC1, 5734-RC3
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

LYC7-5011
IBM SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY - MICROFICHE LISTINGS - PROGRAM NUMBERS 5734-RC1, 5734-RC3
 Contains Type I OS Program Listings and DOS/OS PTF listing.
 Microfiche

- LYC7-5012
SYSTEM/360 DISK OPERATING SYSTEM FORTRAN F LIBRARY
PROGRAM PRODUCT LISTING MICROFICHE
ASC II - PROGRAM NUMBER 5736-LM1
 This document contains Type I OS program listings and DOS/OS
 PTF listings.
 Microfiche
- LYC7-5013
IBM DOS/360 ITF PL/I, LISTINGS - PROG. PROD. 5736-RC1 *M
 This microfiche contains the assembly listings of the
 modules that make up the DOS ITF Release II, PL/I, program
 product.
 Microfiche
- LYC7-5014
DOS ITF RELEASE II - SHARED ASSEMBLY LISTINGS - MICROFICHE
 This microfiche contains the assembly listings of the
 modules that make up the DOS ITF Release II, SHARED, program
 product.
 Microfiche
- LYC7-5015
DOS ITF RELEASE II - BASIC ASSEMBLY LISTINGS - MICROFICHE
PROG. PROD. 5736-RC2
 This microfiche contains the assembly listings of the
 modules that make up the DOS ITF Release II, BASIC, program
 product.
 Microfiche
- LYC7-5016
IBM SYSTEM OPERATING SYSTEM
INTERACTIVE TERMINAL FACILITY - MICROFICHE LISTINGS
PROGRAM NUMBER 5734-RC1
 Microfiche of program product 5734-RC1 assembly listings.
 Microfiche
- LYC7-5017
IBM OS/360 ITF SHARED - PROG. PROD. 5734-RC1/RC3 *M
 One microfiche listing of this licensed program is available
 Mechanicsburg to each licensee under the licensing agreement
 is also available to IBMers on a need-to-know basis.
 AA
 Microfiche
- LYC7-5018
SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY -
BASIC MODULES - MICROFICHE LISTINGS - PROGRAM NUMBER
5734-RC3
 Contains Type I OS program listings as specified in the
 title.
 Microfiche
- LYC7-5019
IBM SYSTEM/360/370 FORTRAN IV H EXTENDED COMPILER -
PROG. PROD. 5734-FO3
 Contains Type I OS program listings as specified in the
 title.
 Microfiche
- LYC7-5020
IBM SYSTEM/360/370 FORTRAN IV LIBRARY MOD II - LISTINGS
PROG. PROD. 5734-LM3
 One microfiche listing of this licensed program is available
 from Mechanicsburg to each licensee under the licensing
 agreement. This listing is also available to IBMers on a
 need-to-know basis.
 Microfiche
- LYC7-5021
SYSTEM/360 OPERATING SYSTEM FORTRAN IV (G1) COMPILER *M
MICROFICHE LISTINGS, PROG. PROD. 5734-FO2
 Contains Type I OS program listings as specified in the
 Microfiche
- LYC7-5022
OS 360/370 FORTRAN IV LIBR. MOD I LISTING, P.P. NO. 5734-LM1
 One microfiche listing of this licensed program is available
 from Mechanicsburg to each licensee under the licensing
 agreement. This listing is also available to IBMers on a
 need-to-know basis.
 Microfiche
- LYC7-5023
SYSTEM/360 OPERATING SYSTEM AMERICAN NATIONAL STANDARD
(ANS) COBOL VERSION 3 LISTINGS - PROGRAM NUMBER 5734-CB1
 This microfiche set contains source listings for ANS
 COBOL Version 3 on Program Number 5734-CB1 for
 System/360 OS.
 Microfiche
- LYC7-5030
SYSTEM/360 DISK OPERATING SYSTEM ANS COBOL COMPILER
VERSION 3 PROGRAM LISTING MICROFICHE
PROGRAM NUMBER 5736-CB2
 One microfiche listing of this licensed program is available
 from Mechanicsburg to each licensee under the licensing
 agreement. This listing is also available to IBMers on a
 need-to-know basis.
 Microfiche
- LYC7-5031
SYSTEM/360 DISK OPERATING SYSTEM ANS COBOL LIBRARY VERSION
3 PROGRAM PRODUCT LISTING MICROFICHE
PROGRAM NUMBER 5736-LM2
 One microfiche listing of this licensed program is available
 from Mechanicsburg to each licensee under the licensing
 agreement. This listing is also available to IBMers on a
 need-to-know basis.
 Microfiche
- LYC7-5032
SYSTEM/360 TIME SHARING OPTION FORTRAN PROMPTER VERSION 7
PROGRAM NUMBER 5734-CP3
 No abstract available.
 Microfiche
- LYC7-5033
IBM M/360 TSO ITF (PL/I), LISTINGS, PROG. NOS. 5734-RC2, RC4
 No abstract available.
 Microfiche
- LYC7-5034
SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION
INTERACTIVE TERMINAL FACILITY (BASIC ONLY)
PROGRAM PRODUCT LISTING MICROFICHE - PROGRAM NUMBER 5734-RC4
 No abstract available.
 Microfiche
- LYC7-5035
IBM M/360 TSO ITF (SHARED), LISTINGS PROG. NOS. 5734-RC2, 4
 No abstract available.
 Microfiche
- LYC7-5036
IBM SYSTEM/360/370 CODE AND GO FORTRAN COMPILER - LISTINGS,
PROG. PROD. 5734-FO1
 One microfiche listing of this licensed program is available
 from Mechanicsburg to each licensee under the licensing
 agreement. This listing is also available to IBMers on a
 need-to-know basis.
 Microfiche
- LYC7-5037
ASSEMBLER F PROMPTER MICROFICHE LISTING, PROG PROD 5734-CP2 *M
ASSEMBLER F PROMPTER MICROFICHE LISTING, PROG. PROD. 5734-CP
 One microfiche listing of this licensed program is available
 from Mechanicsburg to each licensee under the
 licensing agreement.
 This listing is also available to IBMers on a need-to-know
 basis.
 Microfiche
- LYC7-5038
IBM SYSTEM/360/370 OS FULL ANS COBOL VERSION 3
COMPILER AND LIBRARY - LISTINGS, PROG. PROD. 5734-CB1
 One microfiche listing of this licensed program is available
 from Mechanicsburg to each licensee under the licensing
 agreement. This listing is also available to IBMers on a
 need-to-know basis.
 Microfiche
- LYC7-5039
SYSTEM/360 OPERATING SYSTEM FULL COBOL COMPILER
VERSION 3/TIME SHARING OPTION COBOL PROMPTER
PROGRAM NUMBER 5734-CB3
 No abstract available.
 Microfiche
- LYC7-5040
IBM SYSTEM/360 OPERATING SYSTEM - TIME SHARING OPTION
COBOL PROMPTER - PROGRAM NUMBERS 5734-CP1, 5734-CB3
 No abstract available.
 Microfiche
- LYC7-5041
SYSTEM/360 DISK OPERATING SYSTEM SUBSET ANS COBOL COMPILER
AND LIBRARY - MICROFICHE - PROGRAM PRODUCT 5736-CB1
 One microfiche listing of this licensed program is available
 from Mechanicsburg to each licensee under the licensing
 agreement. This listing is also available to IBMers on a
 need-to-know basis.
 Microfiche

LYC7-5042

SYSTEM/360 OPERATING SYSTEM FORTRAN II EXTENDED PLUS MICROFICHE - PROGRAM NUMBER 5799-AAW
No abstract available.
Microfiche

LYC7-5044

DOS FORTRAN IV LIBRARY OPTION I - MICROFICHE - PROGRAM NUMBER 5746-LM3
One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.
Microfiche

LYC7-5048

OS VIDEO/370 MICROFICHE - PROGRAM NUMBER 5734-RC5
No abstract available.
Microfiche

LYC7-5049

DOS VIDEO/370 MICROFICHE - PROGRAM NUMBER 5736-RC3
Contains Type I DOS program listings as specified in the title.
Microfiche

LY09-0012

VANDL-1 LOGIC MANUAL - PROG. NO. 5799-AEY
A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.
Manual, 221 pages

LY12-5002

MATRIX SYSTEM MATRIX LOGIC MANUAL - PROGRAM PRODUCT 5734-XM7
This manual provides detailed information about the internal logic, the structure, and the implementation of MATSYS. It is subdivided into four parts, according to the major components of MATSYS:

- o Syntax Checker
- o Prompter
- o Compiler
- o Executor

The manual should be used in connection with the appended flowcharts of the MATSYS subprograms and the MATSYS program listings or the MATSYS source statements.

In addition, the reader should be familiar with the IBM System/360 and System/370 Operating System.
Manual, 420 pages

LY12-5008

IBM SYSTEM/360 AND SYSTEM/370, STORAGE AND INFORMATION RETRIEVAL SYSTEM (STAIRS), PROGRAM LOGIC MANUAL VOL. I NARRATIVES - PROGRAM PRODUCT 5734-XR3

The Storage and Information Retrieval System (STAIRS) is a terminal-oriented system that offers the user a variety of resources for data base creation and maintenance, and especially for data-base searching and document output.

The purpose of this manual is to provide the user with thorough and detailed information on the logic employed, and to give him a tool for modifications and extensions of the system. This volume of the manual contains detailed descriptions of the STAIRS modules and the system macros. The associated flowcharts are contained in volume II, Form LY12-5013.

The reader of this manual should be familiar with data processing, the IBM System/360 or System/370, and the IBM Customer Information Control System.
Manual, 504 pages

LY12-5013

SYSTEM/360/370 STAIRS: PLM VOLUME II (FLOWCHARTS) - PROGRAM NUMBER 5734-XR3
This is the second volume of the program logic manual for STAIRS, containing flowcharts.
Manual, 200 pages

LY19-0007

IBM SYSTEM/360 RESOURCE ALLOCATION (REAL/360) FOR PROJECT CONTROL SYSTEM/360 LISTINGS MANUAL (PROGRAM NO. 5736-XP2, FEATURE CODE 8017)
This manual contains compilations/listings for REAL/360.
Manual, 410 pages

LY19-1004

SYSTEM/360 AND SYSTEM/370 DECISION TABLE TRANSLATOR (DECTAT) FOR COBOL AND PL/I, SYSTEM MANUAL PROGRAM NUMBER 5734-XR2
The Decision Table Translator program accepts decision tables written in a prescribed format and translates the

tables into a PL/I or COBOL program.

This manual provides detailed information on the programming logic and includes the flowchart narrative, the programmed switch listing, and the storage allocation. The source program cards and flowcharts are recorded on the optional tape. Complete instructions to print or punch out this material are provided in the Operations Manual.
Program Product System Manual, 50 pages

LY19-1007

SYSTEM/360 AND SYSTEM/370 STATISTICAL ANALYSIS OF FILES (STAF/OS) LOGIC MANUAL - PROGRAM NUMBER 5734-XXB
This manual contains instructions for the preparation of data files, examples of control cards and job control statements, warning and error messages issued by the program, as well as the actions taken when these messages occur.
Manual, 108 pages

LY19-1009

SYSTEM/360 AND SYSTEM/370 BUDGETS AND PLANS GENERATOR LOGIC MANUAL (BUDPLAN) - PROGRAM PRODUCT 5734-F51
BUDPLAN is an application program that processes corporate models and generates budgets and medium or long-range plans in order to evaluate financially the consequences of management decisions.
This manual provides detailed information concerning the design of the system by describing its various phases and subroutines; flowchart narratives are also included herein. The source listing and the flowcharts are located on the optional tape.
Manual, 108 pages

LY19-2001

IBM VEHICLE SCHEDULING PROGRAM -- EXTENDED (OS AND DOS) PROGRAM LOGIC MANUAL, VOLUME I, NARRATIVE PROGRAM NUMBERS 5734-XM5 (OS), 5736-XM3 (DOS)
The Program Logic Manual of the IBM Vehicle Scheduling Program -- Extended provides detailed information to assist the user in obtaining a more thorough knowledge of the program logic. The manual consists of three parts:

Vol. I	Narrative, contained in the present manual, Form LY19-2001-0,
Vol. II	Program Flowcharts, Form LY19-2006-0,
Vol. III	Program Listings, available on microfiche, Form LYA9-2007-0 (OS) and LYA9-2008-0 (DOS).

Program Logic Manual, 152 pages

LY19-2006

IBM VEHICLE SCHEDULING PROGRAM -- EXTENDED (OS AND DOS) PROGRAM LOGIC MANUAL, VOLUME II, FLOWCHARTS PROGRAM NUMBERS 5734-XM5 (OS), 5736-XM3 (DOS)
The flowcharts in this manual correspond to the program listings in Form LYA9-2007-0 (OS) and LYA9-2008-0 (DOS), and are referenced in those manuals.
Program Logic Manual, 108 pages

LY19-4000

FORECASTING AND MODELING SYSTEM (FAMS) LOGIC MANUAL PROGRAM NUMBER 5736-XS4 (DOS VERSION), 5734-XS7 (OS VERSION)
This manual is designed for systems programmers to understand the program logic of FAMS. It is designed to be used with the program listings of FAMS. A thorough understanding of FORTRAN IV language is assumed.
Manual, 670 pages

LY19-5037

SIMPL/I SIMULATION LANGUAGE BASED ON PL/I LOGIC MANUAL PROGRAM PRODUCT 5734-XXB
This manual presents a detailed description of the programs in the Preprocessor and Run-time Package of SIMPL/I.
Manual, 630 pages

LY19-7000

CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) LOGIC MANUAL - PROGRAM NUMBER 5734-XS9, FEATURE NUMBER 8143
This publication describes the internal logic of the Continuous System Modeling Program III (CSMP III) system. The CSMP III system is a program that provides an application-oriented input language for solving a system of ordinary differential equations. Data input and output and execution control are facilitated by means of application-oriented control statements.
This logic manual is intended for use by persons involved in program maintenance or programmers who are altering the program design, table sizes, or adding user functional elements to the system. Its primary purpose is to serve as a guide to the program listings with which is to be used.
Program Product Manual, 228 pages

LY19-7001

CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) GRAPHIC FEATURE LOGIC MANUAL - PROGRAM NUMBER 5734-XS9 FEATURE NUMBER 8144

This publication describes the internal logic of the Continuous System Modeling Program III (CSMP III) Graphic Feature. The Graphic Feature extends the simulation capability of the Continuous System Modeling Program III, via the IBM 2250 Display Unit, to an interactive environment especially conducive to the experimental process. In combination, they are referred to in this manual as Graphic CSMP III to convey this interactive capability.

This logic manual is intended for use by persons involved in program maintenance or programmers who are altering the program design, internal table sizes, or adding new functional elements to the system. Its primary purpose is to serve as a guide to the program listings with which it is to be used.
Manual, 268 pages

GY20-0042

SYSTEM/360 DATA CONVERSION UTILITY III, VERSION 2 - SYSTEM MANUAL PROGRAM NUMBER 360A-SE-26X

This manual provides detailed information to help the user gain a more thorough knowledge of the programming logic employed in the program macros. For each macro, it presents a listing and narrative. (248 pages)
Application Program Manual, 248 pages

GY20-0062

SYSTEM/360 FLOWCHART SYSTEM MANUAL PROGRAM NUMBER 360A-SE-22X

The IBM System/360 Flowchart program is a System/360 program designed to produce flowcharts. This documentation aid operates under DOS/360 and is intended to minimize the planning and effort required to produce and maintain documentation. It gives the user ability to:

1. Produce clear, standardized, easily reproduced computer-generated flowcharts.
2. Keep flowcharts continually up to date.
3. Standardize flowcharting techniques.

This publication is used in conjunction with the System/360 Flowchart optional tape, which contains the source language input, the assembly listings, and the program logic flowcharts. The optional tape is available from the IBM Program Information Department at Hawthorne, New York. One 2400-foot reel of nine-track tape is required.

This publication contains the narrative for the flowcharts, switch and register usage, miscellaneous programming notes, and the internal record formats used by the program.

The User's Manual and the Operator's Manual are prerequisites to reading and using this publication.
Application Program Manual, 92 pages

GY20-0065

MATHEMATICAL PROGRAMMING SYSTEM/360 VERSION 2 SYSTEM MANUAL PROGRAM NUMBER 360A-CO-14X

This manual provides detailed information to help the user understand the implementation of MPS/360. It is designed to be used with the program listings and flowcharts of MPS/360.

Application Program Manual, 396 pages

GY20-0067

SYSTEM/360 DATA CONVERSION UTILITIES II, VERSION 2 (SEQUENTIAL, DIRECT ACCESS) SYSTEM MANUAL PROGRAM NUMBER 360A-SE-20X

This manual provides detailed information to help the user gain a more thorough knowledge of the programming logic employed in the program modules, subroutines, and macros.

The manual presents, for each module and subroutine, flowcharts, flowchart narrative, and switch and register listings. For each macro, a listing and macro narrative are provided.

Application Program Manual, 256 pages

GY20-0071

SYSTEM/360 ONLINE TELLER PROGRAM WITH BACKGROUND PROCESSING CAPABILITY SYSTEM'S MANUAL, PROGRAM NUMBER 360A-PB-16X

This manual contains detailed flowcharts for the online programs and the file preparation programs. Program narratives and descriptions of switches are given in the programmer's manual and are correlated to the flowcharts by cross-references indexes. Restricted distribution.
Application Program Manual, 222 pages

GY20-0075

GENERAL PURPOSE SIMULATION SYSTEM/360 SYSTEM MANUAL PROGRAM NUMBERS 360A-CS-17X, 360A-CS-19X

This publication contains a description of the internal structure and basic operation of the GPSS/360 program. All eleven modules which make up the GPSS/360 program are discussed in general and, where appropriate, the operation of all routines within a given module is explained in detail.

In general, the material presented throughout this manual is applicable to both the OS and DOS version of the GPSS/360 program. Specific differences are listed and described in Appendix D.

The information contained in this manual should give the user a thorough understanding of the structure and

operation of the GPSS/360 program so that HELP block routines or other modifications may be more easily implemented.

Application Program Manual, 408 pages

GY20-0080

SYSTEM/360 APT NUMERICAL CONTROL PROCESSOR VERSION 4: SYSTEM MANUAL - FLOWCHARTS, PROG. NO. 360A-CN-10X

The APT PROCESSOR will be implemented using the FORTRAN IV H Language. The Assembler Language will be used when needed for interfacing with OS/360.

The System/360 configurations for APT must include -- Model H.
Manual, 1,042 pages

GY20-0083

PROJECT MANAGEMENT SYSTEM/360 VERSION 2 NETWORK PROCESSOR SYSTEM MANUAL PROGRAM NUMBER 360A-CP-04X

This manual presents a detailed description of subroutines and internal data formats of PMS/360 Network Processor. In conjunction with the program listings and flowcharts, it provides the user with a complete description of how this processor is implemented.

Application Program Manual, 226 pages

GY20-0084

PROJECT MANAGEMENT SYSTEM/360 VERSION 2 COST PROCESSOR SYSTEM MANUAL PROGRAM NUMBER 360A-CP-04X

This manual presents a detailed description of subroutines and internal data formats of PMS/360 Cost Processor. In conjunction with the program listings and flowcharts, it provides the user with a complete description of how this processor is implemented.

Application Program Manual, 186 pages

GY20-0085

PROJECT MANAGEMENT SYSTEM VERSION 2, REPORT PROCESSOR SYSTEM MANUAL PROGRAM NUMBER 360A-CP-04X

This manual presents a detailed description of subroutines and internal data formats of PMS/360 Report Processor. In conjunction with the program listings and flowcharts, it provides the user with a complete description of how this processor is implemented.

Application Program Manual, 376 pages

GY20-0092

SYSTEM/360 SCIENTIFIC SUBROUTINE PACKAGE VERSION 3: SYSTEM MANUAL, PROG. NO. 360A-CM-03X

This manual provides flowchart information on the logic used in each subroutine of the System/360 Scientific Subroutine Package. All subroutine descriptions and listings are contained in the User's Manual.

Application Program Manual, 254 pages

GY20-0096

SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR DOS/360 SYSTEM MANUAL PROGRAM NUMBER 360A-SE-32X

This publication describes the architecture and logic of the Synchronous Transmit-Receive Access Method for DOS/360. The manual describes the process for generating STR capability into a DOS system, loading the access method and logic. Included are:

- SYSGEN and STR loading
- Architecture
- Macro Expansions
- Routine Logic
- STR Error Recovery
- Control Block

Prerequisites are:

1. A basic knowledge of System/360 machine concepts.
2. A basic knowledge of DOS/360.
3. A knowledge of principles of STR transmission.
4. Understanding of the Synchronous Transmit-Receive Access Method User's Manual.

Application Program Manual, 120 pages

GY20-0097

SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR OS/360 SYSTEM MANUAL PROGRAM NUMBER 360A-SE-33X

This publication describes the architecture and logic of the Synchronous Transmit-Receive Access Method for OS/360. The manual describes the process for generating STR capability into an OS system, loading the access method, and logic. Included are:

- SYSGEN and STR loading
- Architecture
- Macro Expansions
- Routine Logic
- STR Error Recovery
- Control Block

Prerequisites are:

1. A basic knowledge of System/360 machine concepts.
2. A basic knowledge of OS/360.
3. A knowledge of principles of STR transmission.

4. Understanding of the Synchronous Transmit-Receive Access Method User's Manual. Application Program Manual, 360 pages

GY20-0099

SYSTEM/360 BILL OF MATERIAL PROCESSOR VERSION 2 SYSTEM MANUAL PROGRAM NUMBER 360A-ME-06X
This manual provides detailed information to assist the user in gaining a more thorough knowledge of the programming logic employed in the application.

It contains detailed reference material for the file organization, maintenance, and reorganization program modules.
Manual, 522 pages

GY20-0101

SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM (RAX) VERSION 3 SYSTEM MANUAL PROGRAM NUMBER 360A-CX-17X
This publication provides the systems programmer with detailed information about the RAX system. It contains flowcharts and descriptions of the routines making up the system.

Application Program Manual, 296 pages

GY20-0105

1400 AUTOCODER TO COBOL CONVERSION AID PROGRAM PROGRAMMER'S MANUAL PROGRAM NUMBER 360A-SE-19X

This program is designed to aid in conversion to System/360 COBOL for all 1401, 1410, 1440, 1460 and 7010 users whose current applications are written in Autocoder, by (1) reducing the total effort required in program conversion, (2) freeing manpower of much of the routine reprogramming effort, and (3) eliminating many clerical errors associated with reprogramming.

This manual contains a general description of the program, the machine configuration used, and a sample problem.

Application Program Manual, 50 pages

GY20-0106

1400 AUTOCODER TO COBOL CONVERSION AID PROGRAM OPERATOR'S MANUAL PROGRAM NUMBER 360A-SE-19X

This program is designed to aid in conversion to System/360 COBOL for all 1401, 1410, 1440, 1460 and 7010 users whose current applications are written predominately in Autocoder, by (1) reducing the total effort required in program conversion, (2) freeing manpower of much of the routine reprogramming effort, and (3) eliminating many clerical errors associated with reprogramming.

This manual contains the information necessary to run the program. It includes operating instructions, halts and message lists, and storage map.
Application Program Manual, 80 pages

GY20-0111

SYSTEM/360 CONTINUOUS SYSTEM MODELING PROGRAM SYSTEM MANUAL PROGRAM NUMBER 360A-CX-16X

This is an IBM System/360 program for the simulation of continuous systems. It provides an application-oriented input language that accepts problems expressed in the form of either an analog block diagram or a system of ordinary differential equations. Data input and output are facilitated by means of application-oriented control statements.

This manual provides detailed information to help the user gain a thorough knowledge of the program's logic. It contains flowcharts, flowchart narratives, and tables of switches and data used in COMMON. It also includes a section describing the procedures for implementing several program modifications.

Application Program Manual, 224 pages

GY20-0112

IBM SYSTEM/360 PRODUCT STRUCTURE RETRIEVAL SYSTEMS MANUAL PROGRAM NUMBER 360A-ME-07X

The program provides manufacturing organizations with easy-to-modify routines that retrieve records or a series of records which have been organized and maintained by the Bill of Material Processor Program (360-ME-06X).

Six types of retrieval reports are included with this program. They are:

- Single Level Explosion
- Indented Explosion
- Summarized Explosion
- Single Level Implosion
- Indented Implosion
- Summarized Implosion

This program is designed to run under IBM Basic Operating System/360 or IBM Disk Operating System/360.
Application Program Bulletin, 60 pages

GY20-0118

S/360 AD-APT/AUTOSPOT NUMERICAL CONTROL PROCESSOR: SYSTEM MANUAL, PROG. NO. 360A-CN-09X

This program is designed to implement computer preparation of input to machine tool controllers for point-to-point operations and contour milling operations with a fixed

cutter axis.

The AD-APT/AUTOSPOT Processor provides for the first time a single Numerical Control Processor designed to process both point-to-point and contour milling operations on a small computing system. The processor provides every capability included in S/360 AUTOSPOT (360-CN-09X) plus the contouring capabilities of the AD-APT language at no sacrifice in processing speed. The processor is significantly faster than the 1620 AD-APT Processor.

The processor is written in System/360 Assembly Language and operates under the Disk Operating System.

Minimum System Requirements for AD-APT -- 2030 Model F.
Application Program Bulletin

GY20-0119

S/360 AUTOSPOT NUMERICAL CONTROL PROCESSOR: SYSTEM MANUAL, PROG. NO. 360A-CN-08X

This program is designed to implement computer preparation of input to machine tool controllers for point-to-point operations and simple milling operations. Significant time savings can be realized when this technique is used in place of tedious manual methods.

The AUTOSPOT Numerical Control Processor is an interpreter for calculating machine tool coordinates required to perform point-to-point and simple milling operations defined in a "part program".

The processor is written in System/360 Assembly Language and operates under the Disk Operating System.
Application Program Bulletin, 414 pages

GY20-0124

1400 AUTOCODER TO COBOL CONVERSION AID PROGRAM SYSTEM MANUAL PROGRAM NUMBER 360A-SE-19X

This Conversion Aid Program is designed to ease the transition to System/360 for all 1401, 1410, 1440, 1460, and 7010 users whose current applications are written predominately in Autocoder and SPS by (1) reducing the effort required in reprogramming, (2) freeing manpower from the reprogramming effort to develop new applications, (3) eliminating many clerical errors associated with reprogramming, and (4) making resystemization of the applications easier, since COBOL language is much easier to modify.

This manual contains information necessary to understand the workings of the program. Each phase is detailed and sufficient information is provided to allow the user to modify the program functions or its operating environment.
Application Program Manual, 89 pages

GY20-0126

PROJECT CONTROL SYSTEM/360 VERSION 2 SYSTEM MANUAL PROGRAM NUMBER 360A-CP-06X

This manual describes the routines and subroutines that make up the IBM Project Control System/360. It is divided into the seven logical phases of the system and is intended primarily for the programmer who wishes to gain an understanding of the programming design of the PCS/360. It provides the necessary information for maintaining and modifying the system.
System Manual, 20 pages

GY20-0143

IBM SYSTEM/360 DOCUMENT PROCESSING SYSTEM SYSTEM MANUAL PROGRAM NUMBER 360A-CX-12X

This manual represents the information required to maintain or modify the internal logic of the IBM System/360 Document Processing System. Insofar as possible, all agreements, assumptions, and production aids used by the development programmers are included.

Application Program Manual, 316 pages

GY20-0146

DISPLAY DESIGN GUIDELINES FOR THE IBM 2260 DISPLAY STATION *N

This manual is intended for anyone concerned with the design, installation, and programming of systems involving the 2260 Display Station. The primary concern of the manual is the display itself - how it should be formatted and what it should contain. It also shows the various types of displays and, where applicable, discusses the programming implications.
Manual, 57 pages

GY20-0153

MEDICAL INFORMATION SYSTEM PROGRAMS (MISP) APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 360A-UH-08L

A hospital must have the ability to respond quickly and accurately to the demands placed upon it. The application of electronic information processing can help provide a solution to the recurring problem of improving service with limited resources.

The Medical Information System Programs (MISP) represent an application of information-processing equipment to answer this need. MISP is designed to assist in the installation of a teleprocessing system (hospital information system) linking the many different service areas in a hospital where complete and prompt patient care

is a requirement. These areas include the nursing station, admitting, pharmacy, clinical laboratories, X ray, electrodiagnostics, dietary, operating room, central supply, and others.

This manual describes in general the purpose and functions of a hospital information system using MISP. Manual, 48 pages

GY20-0154

MEDICAL INFORMATION SYSTEM PROGRAMS (MISP)
PROGRAM DESCRIPTION MANUAL
PROGRAM NUMBER 360A-UH-08L

This manual contains detailed descriptions of the program in MISP. The data sets and control blocks used by MISP programs are also described. Manual, 152 pages

GY20-0157

MEDICAL INFORMATION SYSTEM PROGRAMS (MISP)
OPERATIONS MANUAL PROGRAM NUMBER 360A-UH-08L

The medical information system programs contain general executive modules, utilities, and user interfaces that provide the framework for a teleprocessing system using the Disk Operating System/360.

This manual describes the procedures necessary for initial preparation and generation of the MISP programs, tables and data sets, inclusion of the user application processing programs, initial loading of the user data sets under MISP, operating procedures for the central system and operation of the terminal devices that are part of a teleprocessing system running under MISP. The generation, inclusion in the system and the terminal operations for a sample processing program under MISP are also described.

This manual is distributed with the programs to those who are qualified to receive them. Manual, 309 pages

GY20-0168

SYSTEM/360 VEHICLE SCHEDULING PROGRAM
SCHEDULING PRODUCTION AND DISTANCE LISTING SYSTEM MANUAL
PROGRAM NUMBER 360A-ST-06X

This manual provides detailed information to help the user gain a more thorough knowledge of the programming logic employed in the Schedule Production and Distance Listing phases of the System/360 Vehicle Scheduling Program. Application Program Manual, 38 pages

GY20-0174

SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM DOS (ATS/DOS)
SYSTEM MANUAL PROGRAM NUMBER 360A-CX-18X

This manual contains information on the system design, logic flow, and coding of the ATS/360 Program. It contains narrative which describes the significant programs which make up the system. Program flowcharts and assembly listings, although logically part of this manual, are not included in it. These are available on tape as described elsewhere. Application Program Manual, 202 pages

GY20-0204

PROJECT MANAGEMENT SYSTEM/360 FLOWCHART
SYSTEM MANUAL PROGRAM NUMBER 360A-CP-04X

This manual contains the flowcharts for Project Management System/360. It should be used in conjunction with the System Manuals for the Network Processor (GY20-0083), Cost Processor *GY20-0084, and Report Processor (GY20-0085) Application Program Manual, 300 pages

GY20-0205

MARVEL/360 SYSTEM MANUAL PROGRAM NUMBER 360A-CO-15X

MARVEL is a language processor for the data preparation, matrix generation, output analysis, and management report writing functions associated with the Mathematical Programming System/360 (360A-CO-14X). MARVEL was designed and implemented to provide powerful functional capabilities in this fast-growing area of mathematical programming. In providing such a comprehensive language and processor capability, trade-offs were made that reduced execution speed.

MARVEL provides maximum customer utility as an input/output system for the development of new linear programming applications. This is an area where extended function is more significant than high performance. In a production environment where emphasis is on execution speed, MARVEL is less suitable.

This manual gives detailed information concerning the program logic for the purpose of making modifications to or doing maintenance work on the program. It is designed to be used with the program listings of MARVEL/360. Application Program Manual, 226 pages

GY20-0208

SYSTEM/360 TEXT PROCESSOR - HYPHENATION/360 SYSTEM MANUAL
PROGRAM NUMBER 360A-DE-07X

HYPHENATION/360 provides division of words for text processing applications where the addition of word syllables to a line to meet justification requirements is preferable

to forcing the line to end in a complete word. This hyphenation capability is provided in the form of a module that can be linked with a user's System/360 text-processing program or the COMPOSITION/360 module of the IBM System/360 Text Processor.

Through program linkage, HYPHENATION/360 accepts a word from the user's program and determines the division points. The word, with the division points indicated, is returned to the user's program, where the portion to be retained on the line can be selected on the basis of the user's graphic requirements.

This manual provides detailed information to help the user gain a more thorough knowledge of the programming logic and techniques used in each of the component programs. The information includes program narrative, switch and register listings, storage allocation data, and program modification aids. The manual is intended for use chiefly by systems analysts and programmers who may need to alter the component programs or otherwise engage in program maintenance. Application Program Manual, 37 pages

GY20-0209

SYSTEM/360 1287 INPUT CONVERSION PROGRAM
SYSTEM MANUAL PROGRAM NUMBER 360A-DR-07X

This program consists of a Transaction Specification Compiler and an Operational Processor. The Compiler processes the statements which describe the format and processing logic to be applied to documents scanned by the IBM 1287 Optical Reader. The output of the Compiler is a program module written in Assembly Language.

The program module is assembled and link-edited with the Operational Processor and existing program modules. The Operational Processor controls the execution of the various program modules and converts the data to a conversion journal, error journal, and correction turnaround documents.

Provision is made for correction of the error journal and updating the conversion journal. Application Program Manual, 42 pages

GY20-0213

STUDENT SCHEDULING SYSTEM/360 THE SCHEDULER PROGRAM
(360A-US-07X) SYSTEM MANUAL

This manual provides detailed information to assist the user in gaining a more thorough knowledge of the programming logic employed in the application. It presents, for each phase, flowcharts, flowchart narrative, a list of switches, an index register list, programming notes, and program listings. Application Program Manual, 640 Pages

GY20-0215

SHARED HOSPITAL ACCOUNTING SYSTEM (SHAS) SYSTEM MANUAL
PROGRAM NUMBER 360A-UH-11X

The Shared Hospital Accounting System (SHAS) provides hospital accounting for a multiple-hospital environment. The participating hospitals utilize the application programs of a central System/360 facility. The application programs include accounts receivable, patient billing, general ledger and system executive and monitor routines.

This manual contains detailed program information useful for program modification, error diagnosis situations, and maintenance performance. The manual contains detailed descriptive information on the logical operation of each program through program flowcharts. Most flowchart narratives are general - more detail has been included for the complicated programs. Labels and symbols, programmed switches, program indicators, register usage, special techniques, program modification notes, and service subprogram usage are defined for each system program.

A chart indicating storage allocation of core storage required by each program has been included as an appendix.

Data listings included are examples which might be used by a typical SHAS user. Data shown has been used to load the files and run the sample problem. The data includes label books, function books, hospital profile load data, edit specifications, sample problem data, and control cards.

This document is written as a reference manual. Before using this manual the reader should be thoroughly familiar with the following manuals: SHARED HOSPITAL ACCOUNTING SYSTEM Application Description manual (GH20-0302), Shared Hospital Accounting System Program Description manual (GH20-0533), and SHARED HOSPITAL ACCOUNTING SYSTEM OPERATIONS manual (GH20-0534) Manual, 403 pages

GY20-0227

SYSTEM/360 APT NUMERICAL CONTROL PROCESSOR
VERSION 4 SYSTEM MANUAL - FLOWCHARTS
PROGRAM NUMBER 360A-CN-10X

This manual consists entirely of flowcharts for the subject program. Manual, 304 pages

GY20-0230

SYSTEM/360 WHOLESALE IMPACT PROGRAM LIBRARY SYSTEM MANUAL
PROG. NOS. 360A-DW-05X (ABOVE MOD 20), 360V-DW-06X (MOD 20)
 The System Manual provides detailed information to assist the user in gaining a more thorough knowledge of the programming logic employed in the application.

This manual presents, for each run, general description, flowcharts, flowchart narrative, programming notes, and a switch and register listing. For each operating system with which the IMPACT Program can be run, there is an Input/Output Section listing, Control Systems Macro listing, core storage requirements, and storage maps.
 System Manual, 480 pages

GY20-0256

SYSTEM/360 INVENTORY CONTROL SYSTEM MANUAL
PROGRAM NUMBER 360A-MF-04X

System/360 Inventory Control consists of nine programs especially designed for implementing order point inventory control in manufacturing organizations.

This manual provides detailed information to assist the user in obtaining a more thorough knowledge of the program logic employed in the programs.

The manual includes program flowcharts and flowchart narratives in addition to information regarding switches, labels, symbols, and register assignment.
 System Manual, 125 pages

GY20-0261

SYSTEM/360 MATRIX LANGUAGE (MATLAN)
SYSTEM MANUAL PROGRAM NUMBER 360A-CM-05X

This manual provides detailed information about the structure and the implementation of MATLAN. It should be read in connection with the program listings and the flowcharts of the MATLAN subroutines.
 Application Program Manual, 832 pages

GY20-0263

SYSTEM/360 DECISION LOGIC TRANSLATOR SYSTEM MANUAL
PROGRAM NUMBER 360A-CX-32X

This manual provides detailed information to assist the user in gaining a more thorough knowledge of the programming logic employed in the application. The System Manual is optional information available to the user and includes the flowchart narrative, the programmed switch listing, the storage allocation, etc. Other material consists of the source program, the assembly listing, and the flowcharts, recorded on the optional tape.
 System Manual, 23 pages

GY20-0267

SYSTEM/360 AD-APT/AUTOSPOT (OS) NUMERICAL CONTROL PROCESSOR
(360A-CN-12X) SYSTEM MANUAL

This manual provides detailed information to assist the user in gaining a more thorough knowledge of the programming logic employed in the application.
 System Manual, 596 pages

GY20-0294

MATHEMATICAL PROGRAMMING SYSTEM/360 REPORT GENERATOR
(MPSRG) SYSTEM MANUAL PROGRAM NUMBER 360A-CO-20X

This manual provides detailed information to help the user understand the organization and structure of MPS/360 Report Generator. It is designed to be used with the program listing of MPS/360 Report Generator.
 Application Program Manual, 92 pages

GY20-0305

IBM SYSTEM/360 AND SYSTEM/370 ATTACHED SUPPORT PROCESSOR
SYSTEM (ASP) VERSION 2 SYSTEM MANUAL PROGRAM NUMBER
360A-CX-15X

The Attached Support Processor (ASP) system is an operating system that provides a compatible extension to Operating System/360 (OS/360). Designed primarily for the commercial and scientific customer with a computer job shop environment, ASP provides for increased automation of the computing operation. The ASP system operates as a programmed operator of OS/360, providing an operational interface for controlling the system job stream, and thus optimizing the use of the computer's resources.

This manual is intended primarily for the use of the system programmer at an installation. It contains a detailed description of each of the programs that constitute the ASP system and flowcharts of the programs (Appendix A).

The material in this manual has been prepared on the assumption that the programmer is thoroughly familiar with the ASP Application Programmer's Manual (GH20-0322), the ASP System Programmer's Manual (GH20-0323), and the ASP Console Operator's Manual (GH20-0321).
 Manual, 336 pages

GY20-0316

RIGID FRAME SELECTION PROGRAM (RFSP): SYSTEM MANUAL VOLUME 1
PROG. NOS. 1130-EC-09X, 5734-EC1, 5736-EC1
 This manual is intended to serve as a programmer's guide

to RFSP. Flowcharts and flowchart narratives are given for all modules. The flowcharts are written in a descriptive fashion and are intended to provide a cross-reference between the program functions and pertinent material in the RFSP PROGRAM DESCRIPTION AND OPERATIONS MANUAL (H20-0580). A comprehensive array of tables is included to describe the PLAN (Problem Language Analyzer) Dictionary used by RFSP. This manual presumes a knowledge of the 1130 RFSP and PLAN Program Description Manuals, the FORTRAN language and the 1130 Monitor System.

Volume 2 of the rigid Frame Selection Program System Manual has a separate form number (Y20-0366) and contains the Assembly Listings for the program.
 System Manual, Volume 1, 425 pages

GY20-0317

SYSTEM/360 REQUIREMENTS PLANNING
SYSTEM MANUAL PROGRAM NUMBER 360A-MF-05X

The IBM System/360 Requirements Planning programs are used to generate material requirements for finished products, assemblies, subassemblies, parts, and raw materials based upon an input of a forecast and/or orders. System/360 Requirements Planning consists of two programs: Requirements Generation Program and Print Exception Program. Requirements Generation performs the generation of requirements, utilizing time series planning to determine gross requirements, determine net requirements, plan orders, determine offset, and post components gross requirements. Print Exception prints and notices for the exceptions discovered during the requirements generation run.

This manual includes program flowcharts and flowchart narratives, in addition to information regarding switches, labels, symbols, and register assignment.
 Manual, 424 pages

GY20-0318

SYSTEM/360 TEXT PROCESSOR - COMPOSITION/360
VOLUME I - FLOWCHART NARRATIVES SYSTEM MANUAL
PROGRAM NUMBER 360A-DP-08X

The COMPOSITION/360 component of the IBM System/360 Text Processor consists of control and functional routines which retrieve text from a user-prepared disk-resident file, justify and format text according to instructions supplied with the text, and produce generalized disk output records. The user must provide routines to retrieve this generalized information, convert it into coding acceptable to the specific composition device on which final printing will occur and write it to the appropriate systems output device. If word division capabilities are required, COMPOSITION/360 uses the HYPHENATION/360 component of the System/360 Text Processor (360A-DP-07X).

The two-volume System Manual provides detailed information to assist the user in acquiring a thorough knowledge of the programming logic and techniques used in each of the COMPOSITION/360 components.

This manual is intended for use chiefly by systems analysts and programmers who may need to alter or maintain the program. The Program Description Manual and Operations Manual are prerequisites to reading and using this publication.

Volume I of the System Manual contains storage allocation data, flowchart narratives, switch and register lists, and program modification aids. The COMPOSITION/360 program logic flowcharts are contained in Volume II.
 Application Program Manual, 199 pages

GY20-0319

SYSTEM/360 TEXT PROCESSOR -- COMPOSITION/360
VOLUME II -- FLOWCHARTS SYSTEM MANUAL
PROGRAM NUMBER 360A-DP-08X

The COMPOSITION/360 component of the IBM System/360 Text Processor consists of control and functional routines which retrieve text from a user-prepared disk-resident file, justify and format text according to instructions supplied with the text, and produce generalized disk output records. The user must provide routines to retrieve this generalized information, convert it into coding acceptable to the specific composition device on which final printing will occur, and write it to the appropriate systems output device. If word division capabilities are required, COMPOSITION/360 uses the HYPHENATION/360 component of the System/360 Text Processor (360A-DP-07X).

The two-volume System Manual provides detailed information to assist the user in acquiring a thorough knowledge of the programming logic and techniques used in each of the COMPOSITION/360 components.

This manual is intended for use chiefly by systems analysts and programmers who may need to alter or maintain the program. The Program Description Manual and Operations Manual are prerequisites to reading and using this publication.

This manual contains the program logic flowcharts for COMPOSITION/360. Storage allocation data, flowchart narratives, switch and register lists, and program modification aids are contained in Volume I.
 Application Program Manual, 189 Pages

- GY20-0320
IBM SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM-OS (ATS/OS)
SYSTEM MANUAL, PROGRAM NUMBER 360A-CX-19X
 This manual contains information on the system design, logic flow, and coding of the ATS/360 Program. It contains narrative which describes the significant programs which make up the system. Program flowcharts and program listings, although logically part of the material discussed in this manual, are not included in it. These items are available as optional material on tape, distributed by the Program Information Department.
 Application Program Manual, 196 pages
- GY20-0345
SYSTEM/360 PROBLEM LANGUAGE ANALYZER (PLAN) (DOS/OS)
VOLUME I - FLOWCHART NARRATIVES SYSTEM MANUAL
PROGRAM NUMBERS 360A-CX-26X, 360A-CX-27X
 This manual contains detailed information in the form of flowchart narratives for the DOS/360 PLAN and OS/360 PLAN systems. With this the user should gain a better understanding of the logic of the system.
 Application Program Manual, 120 pages
- GY20-0346
SYSTEM/360 PROBLEM LANGUAGE ANALYZER (PLAN) (DOS/OS)
VOLUME II - FLOWCHARTS SYSTEM MANUAL
PROGRAM NUMBERS 360A-CX-26X, 360A-CX-27X
 This manual contains detailed flowcharts showing the internal logic of the OS and DOS 360 Problem Language Analyzer (PLAN). It is intended to assist systems programmers and field engineers in obtaining a fuller understanding of the logic and programming aspects of the PLAN system.
 System Manual, 200 pages
- GY20-0350
SYSTEM/360 PROBLEM LANGUAGE ANALYZER (PLAN) (DOS)
VOLUME III - ASSEMBLY LISTINGS SYSTEM MANUAL
PROGRAM NUMBER 360A-CX-26X
 This manual provides assembly and compilation listings for the DOS PLAN system.
 Manual, 650 pages
- GY20-0353
MATHEMATICAL PROGRAMMING SYSTEM/360 VERSION 2
FLOWCHART SYSTEM MANUAL
PROGRAM NUMBER 360A-CO-14X
 This manual contains the flowcharts for the Mathematical Programming System/360. It should be used in conjunction with the system manual (GY20-0065) and the assembly listings.
 Application Program Manual, 330 pages
- GY20-0357
SYSTEM/360 APT NUMERICAL CONTROL PROCESSOR
VERSION 4 ASSEMBLY LISTINGS: SYSTEM MANUAL
PROGRAM NUMBER 360A-CN-10X
 This manual contains the listings for the subject program.
 Microfiche, 126 cards
- GY20-0364
SYSTEM/360 PROGRAM FOR OPTICAL SYSTEM DESIGN/II (POSD/II)
(OS) SYSTEM MANUAL-ASSEMBLY LISTINGS
PROGRAM NUMBER 360A-EO-15X
 This manual contains the compile listings for OS/360 POSD/II. Refer to GY20-0312 for the flowcharts and narratives.
 System Manual Assembly Listings, 200 pages
- GY20-0365
SYSTEM/360 PROGRAM FOR OPTICAL SYSTEM DESIGN/II (POSD/II)
(DOS) SYSTEM MANUAL-ASSEMBLY LISTINGS
PROGRAM NUMBER 360A-EO-16X
 This manual contains the compile listings for DOS/360 POSD/II. Refer to GY20-0312 for the flowcharts and narratives.
 System Manual Assembly Listings, 200 pages
- LY20-0369
CUSTOMER INFORMATION CONTROL SYSTEM OS-STANDARD (CICS/OS),
(5736-U11), SYSTEM MANUAL, FEATURE CODE 8805
 The IBM Customer Information Control System OS-STANDARD (CICS/OS) is designed to assist customers in the installation of an on-line information system. CICS/OS is a modularly designed program to be used as an interface between the user-written application program and IBM System/360 Operating System (OS/360). The facilities of CICS/OS are obtained through the use of the control system macros in a user-written application program. The purpose of this manual is to give the user a thorough understanding of the logic employed in each module.
 This manual contains detailed program flowcharts, flowchart narrative, control area and control table formats and functions, storage requirements, register considerations, special programming techniques and information concerning program modification.
- Manual, 320 pages
- GY20-0372
COURSEWRITER III FOR SYSTEM/360 VERSION 2 SYSTEM
PROGRAMMER'S GUIDE PROGRAM NUMBER 360A-UX-01X
 This publication provides detailed information to assist the user in gaining a more thorough knowledge of the programming logic employed in the application. System generation is included together with other related information. Flowcharts and subroutine descriptions are not in this publication (see "Optional Machine Readable Information" in the Application Directory).
 System Programmer's Guide, 50 pages
- GY20-0377
INTRODUCTION TO IBM SYSTEM/360 MODEL 65 MULTIPROCESSING
 This publication introduces the reader to IBM System/360 Operating System Model 65 Shared Main Storage Multiprocessing. The introduction answers two fundamental questions: (1) What is multiprocessing? and (2) What are its advantages? The section entitled "Model 65 Multiprocessing--A General Description" is followed by "Model 65 Multiprocessing System Features", in which some specific machine and programming features of the system are discussed. "Using the Model 65 Multiprocessing System" describes how to use the system efficiently, and "Model 65 Multiprocessing System Performance" presents performance considerations.
 Classified Marketing Aids (Sales and Systems Guide),
- GY20-0394
PLAN GRAPHICS SUPPORT FOR THE IBM 2250 ON SYSTEM/360 (OS)
SYSTEM MANUAL
PROGRAM NUMBER 360A-CX-34X
 This manual provides detailed information to assist the user in achieving thorough knowledge of the programming logic employed by the system. This information is intended for system programmers for program maintenance and for system analysts to alter system design.
 The manual includes system description, system program module functions, program flowcharts, and their narratives.
 Application Program Manual, 162 pages
- GY20-0405
LINEAR PROGRAMMING SYSTEM/360 (LPS/360) SYSTEM MANUAL
PROGRAM NUMBER 360A-CO-18X
 This system manual describes the Linear Programming System/360 for use on the IBM System/360 running under DOS. Chapter 1 gives a general introduction to the manual. Chapters 2-5 provide details on the system structure, Chapters 6-8 describe programming conventions, and Chapters 9-14 give pertinent reference material.
 Application Program Manual, 538 pages
- LY20-0406
SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE - OS
SYSTEM MANUAL, PROG. NO. 5736-P72, FEATURE NO. 8101
 The Array Processing Subroutine Package is a set of subroutines designed to enhance and simplify the use of the IBM 2938 Array Processor and to provide a series of analytical methods for use in digital signal analysis.
 The manual provides detailed information to assist the user in gaining a more thorough knowledge of the programming logic employed in the subroutines. The manual contains flowcharts, flowchart narrative, and program listings.
 Program Product Manual, 84 pages
- LY20-0407
SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE -
PS SYSTEM MANUAL
PROGRAM NUMBER 5736-P71 FEATURE CODE 8101
 The Array Processing Subroutine Package is a set of subroutines designed to enhance and simplify the use of the IBM 2938 Array Processor and to provide a series of analytical methods for use in digital signal analysis.
 The manual provides detailed information to assist the user in gaining a more thorough knowledge of the programming logic employed in the subroutines. The manual contains flowcharts, flowchart narrative, and program listings.
 Manual, 148 pages
- LY20-0415
ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2
POLICY EXHIBIT UPDATE PROGRAM SYSTEM MANUAL
PROGRAM NUMBER 5736-N11
 This manual provides detailed information to help the user understand program logic. It describes the processing of policy exhibit/valuation extracts that are output from the output analysis run and the updating of the policy exhibit disk file. Appropriate flowcharts, flowchart narratives, input/output formats and descriptions, program modification aids, and considerations in creating the policy exhibit file are included.
 Manual, 102 pages

LY20-0416

ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2
VALUATION UPDATE PROGRAM SYSTEM MANUAL
PROGRAM NUMBER 5736-N11

This manual provides detailed information to help the user understand program logic. It describes the processing of the policy exhibit/valuation extracts that are output from the policy exhibit update run and the updating of the valuation summary disk file. Appropriate flowcharts, flowchart narratives, input/output formats and descriptions, and program modification aids are included.
 Manual, 54 pages

LY20-0417

ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2
POLICY MASTER RECORD FILE INVENTORY PROGRAM SYSTEM MANUAL
(PROGRAM NUMBER: 5736-N11) (FEATURE CODE: 8811)

This manual provides detailed information to help the user understand program logic. It describes the processing of policy master records that are output from the policy master record merge program. Appropriate flowcharts, flowchart narratives, input/output formats, program modification aids, and tables and descriptions are included.
 Manual, 96 pages

LY20-0418

ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2
FINANCIAL VALUE PROGRAM SYSTEM MANUAL
(PROGRAM NUMBER: 5736-N11) (FEATURE CODE 8812)

This manual provides detailed information to help the user understand program logic. It describes the processing of financial value extracts that are output from the policy master record file inventory program, appropriate flowcharts, flowchart narratives, input/output formats and descriptions, and program modification aids.
 Manual, 40 pages

LY20-0419

ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2
VALUATION SUMMARY PROGRAM SYSTEM MANUAL
(PROGRAM NUMBER 5736-N11) (FEATURE CODE 8813)

This manual provides detailed information to help the user understand the program logic. It describes the processing of valuation summary extracts that are output from the policy master record file inventory program and the update and printing of the valuation summary file. Appropriate flowcharts, flowchart narratives, input/output formats and descriptions, program modification aids, and considerations in creating the valuation summary file are included.
 Manual, 66 pages

LY20-0420

ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2
POLICY EXHIBIT BALANCE PROGRAM SYSTEM MANUAL
PROGRAM NUMBER 5736-N11

This manual provides detailed information to help the user understand program logic. It describes the processing of policy exhibit extracts that are output from the policy master record file inventory program and the updating of the policy exhibit disk file. Appropriate flowcharts, flowchart narratives, input/output formats and descriptions, program modification aids, and considerations in creating the policy exhibit file are included.
 Manual, 40 pages

LY20-0421

ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2
POLICY EXHIBIT AND VALUATION INCLUDE (R) AND CALL (S)
ROUTINES SYSTEM MANUAL
PROGRAM NUMBER 5736-N11

This manual provides detailed information to help the user understand program logic. It includes a general description of the policy exhibit and valuation include (R) and call (S) routines except those call (S) routines that are file maintenance. Refer to the FILE MAINTENANCE CALL (S) ROUTINE (NARRATIVES) SYSTEM MANUAL and the FILE MAINTENANCE CALL (S) ROUTINES (FLOWCHARTS) SYSTEM MANUAL for a detailed description of the latter routines.
 Manual, 296 pages

LY20-0422

SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC)
SYSTEM MANUAL VOLUME I
PROGRAM NUMBER 5736-CX1 FEATURE CODE 8801

This three-volume manual outlines and details the internal logic of the System/360 Generalized Information System (Basic) for the benefit of programmers attempting to revise and/or maintain the system. The organization of the manual reflects the system's design structure of interfacing program units. As applicable, the manual includes diagnostic comments to assist in isolating faulty operation, and contains modification aids to assist in making minor changes to the system.
 Program Product Manual, 220 pages

LY20-0423

SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) SYSTEM/360
GENERALIZED INFORMATION SYSTEM SYSTEM MANUAL VOLUME II
PROGRAM NUMBER 5736-CX1 FEATURE CODE 8803

This three-volume manual outlines and details the internal logic of the System/360 Generalized Information System (Basic) and the System/360 Generalized Information System for the benefit of programmers attempting to revise and/or maintain the system. The organization of the manual reflects the system's design structure of interfacing program units. As applicable, the manual includes diagnostic comments to assist in isolating faulty operation, and contains modification aids to assist in making minor changes to the system.
 Manual, 550 pages

LY20-0424

SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC)
SYSTEM/360 GENERALIZED INFORMATION SYSTEM
SYSTEM MANUAL VOLUME III
PROGRAM NUMBER 5736-CX1

This manual outlines and details internal logic for the benefit of programmers attempting to revise and/or maintain the system. The organization of the manual reflects the system's design structure of interfacing program units. As applicable, the manual includes diagnostic comments to assist in isolating faulty operation, and contains modification aids to assist in making minor changes to the system.
 Program Product Manual, 530 pages

LY20-0425

SYSTEM/360 GENERALIZED INFORMATION SYSTEM
SYSTEM MANUAL VOLUME 1
PROGRAM NUMBER 5736-CX1 FEATURE CODE 8802

This three-volume manual outlines and details the internal logic of the System/360 Generalized Information System for the benefit of programmers attempting to revise and/or maintain the system. The organization of the manual reflects the system's design structure of interfacing program units. As applicable, the manual includes diagnostic comments to assist in isolating faulty operation, and contains modification aids to assist in making minor changes to the system.
 Program Product Manual, 236 pages

LY20-0431

INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360
SYSTEM MANUAL VOLUME I - PROGRAM LOGIC
PROGRAM NUMBER 5736-CX3 FEATURE CODE 8801

The Information Management System/360 is an Operating System/360 processing designed to facilitate the implementation of medium to large common data bases in a multiapplication environment. This environment is created to accommodate both online message processing and conventional batch processing, either separately or concurrently. The system permits the evolutionary expansion of data processing applications from a batch-only to a teleprocessing environment.

This manual includes a description of each module comprising the IMS/360 program. It also contains information on macros used, interfaces and module sizes, record and message formats, error codes and handling, and abends. Flowcharts are contained in Volume II. Volume III contains the listings of the IMS/360 programs, furnished as microfiche.
 Licensed Program Product Manual, 484 pages

LY20-0432

INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360
SYSTEM MANUAL VOLUME II - FLOWCHARTS
PROGRAM NUMBER 5736-CX3 FEATURE CODE 8802

This manual contains flowcharts for the subject program.
 Licensed Program Product Manual, 180 pages

LY20-0455

GRAPHIC ANALYSIS OF THREE-DIMENSIONAL DATA (GATD)
SYSTEM MANUAL - VOLUME I
PROGRAM NUMBER 5734-XX2 FEATURE CODE 8101

This manual contains the program flowcharts and narratives, core storage requirements, panel listings, and phrase listings for the GATD program.

The program listings for GATD will be found in Volume 2 of the GATD System Manual (GY20-0465) on microfiche cards.
 Manual, 152 pages

LY20-0456

PROJECT MANAGEMENT SYSTEM/360: VERSION 3.
RESOURCE ALLOCATION PROCESSOR SYSTEM MANUAL
PROGRAM NUMBER 5734-XP1 FEATURE CODE 8104

This manual presents a detailed description of subroutines and internal data formats of PMS/360 Resource Allocation Processor. In conjunction with the program listings and flowcharts, it provides the user with a complete description of how this processor is implemented.
 Systems Reference Library Manual, 90 pages

LY20-0457

PROJECT MANAGEMENT SYSTEM/360 VERSION 3 NETWORK PROCESSOR SYSTEM MANUAL, PROGRAM NUMBER: 5734-XP1 FEATURE CODE: 8101

This manual presents a detailed description of subroutines and internal data formats of PMS/360 Network Processor. In conjunction with the program listings and flowcharts, it provides the user with a complete description of how this processor is implemented.
Licensed Program Product Manual, 148 pages

LY20-0459

PROJECT MANAGEMENT SYSTEM/360: VERSION 3, COST PROCESSOR - SYSTEM MANUAL

PROGRAM NUMBER 5734-XP1 FEATURE CODE 8102
This manual presents a detailed description of subroutines and internal data formats of PMS/360 Cost Processor. In conjunction with the program listings and flowcharts, it provides the user with a complete description of how this processor is implemented.
Systems Reference Library Manual, 88 pages

LY20-0460

PROJECT MANAGEMENT SYSTEM/360 VERSION 3 FLOWCHART SYSTEM MANUAL PROGRAM NUMBER: 5734-XP1 FEATURE CODE: 8105

This manual contains the flowcharts for Project Management System/360. It should be used in conjunction with the System Manuals for the Network Processor, Cost Processor, Report Processor, and Resource Allocation Processor.
Licensed Program Product Manual, 428 pages

LY20-0461

PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS) HOMEOWNERS PREMIUM PROCESSING PROGRAM DESCRIPTION AND SYSTEM MANUAL, PROG. NO. 5736-N21 FEATURE NO. 8001

This manual provides a description of the functions and logic of the homeowners portion of the Property and Liability Information System (PALIS). Homeowner logic will rate and/or process new business, renewals and endorsements.

The contents of this manual include: a description of the homeowners master record and its format; a process executive catalog showing the interrelationship of individual modular programs in the processing of a given insurance function; and a module catalog containing abstracts, format requirements, process executive information, programming notes, communication information, and codes for each individual modular program.
Program Product Documentation, 172 pages

LY20-0462

PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS) HOMEOWNERS CLAIMS PROCESSING PROGRAM DESCRIPTION AND SYSTEM MANUAL

PROGRAM NUMBER 5736-N21 FEATURE CODE 8002
The purpose of this manual is to describe the Property and Liability Information System insurance logic programs designed to maintain claim information on the homeowners policies supported by the Multi-Line Insurance Rating Bureau plan.

The contents of this manual include: a description of the homeowners master record and its format; a process executive catalog showing the interrelationship of individual modular programs in the processing of a given insurance function; and a module catalog containing abstracts, format requirements, process executive information, programming notes, communication information, and codes for each individual modular program.
Manual, 40 pages

LY20-0467

PROJECT MANAGEMENT SYSTEM/360 VERSION 3: REPORT PROCESSOR SYSTEM MANUAL

PROGRAM NUMBER 5734-XP1 FEATURE CODE 8101
This is a detailed description of subroutines and internal data formats of PMS/360, Version 3, Report Processor. In conjunction with the program listings and flow charts, it provides the user with a complete description of how this processor is implemented.
Licensed Program Product Manual, 376 pages

LY20-0473

RIGID FRAME SELECTION PROGRAM (RFSP) VOLUME 3 - COMPILATION LISTINGS SYSTEM MANUAL

PROGRAM NUMBER 5734-EC1 FEATURE CODE 8501
This manual provides the OS/360 compilation listings for the Rigid Frame Selection Program. The flowcharts and narratives for this program will be found in the RIGID FRAME SELECTION PROGRAM (RFSP), SYSTEM MANUAL - VOLUME 1 (GY20-0316).
System Manual, 308 pages

LY20-0474

RIGID FRAME SELECTION PROGRAM (RFSP) VOLUME 4 - COMPILATION LISTINGS SYSTEM MANUAL

PROGRAM NUMBER 5736-EC1 FEATURE CODE 8501
This manual provides the DOS/360 compilation listings for

the Rigid Frame Selection Program. The flowcharts and narratives for this program will be found in the RIGID FRAME SELECTION PROGRAM (RFSP), SYSTEM MANUAL - VOLUME 1 (GY20-0316).
System Manual, 312 pages

LY20-0475

GENERAL PURPOSE SIMULATION SYSTEM/360 OS: VERSION 2 - SYSTEM MANUAL PROGRAM NUMBER 5734-XS1 FEATURE CODE 8151

This publication contains a description of the internal structure and basic operation of the GPSS/360 program. All eleven modules which make up the GPSS/360 program are discussed in general and, where appropriate, the operation of all routines within a given module is explained in detail.

The information contained in this manual should give the user a thorough understanding of the structure and operation of the GPSS/360 program so that modification may be more easily designed and implemented.
Systems Reference Library Manual, 646 pages

LY20-0479

LAW ENFORCEMENT MANPOWER RESOURCE ALLOCATION SYSTEM (LEMRAS) SYSTEM MANUAL VOLUME I

(PROGRAM NUMBER 5736-G21 FEATURE CODE 8400)
No abstract available.
System Manual, 228 pages

LY20-0480

SHAS COMPATIBLE TELEPROCESSING SUPPORT FOR 2780, 2740, AND 1050 TERMINALS SYSTEM REFERENCE MANUAL

PROGRAM PRODUCT 5736-H13, FEATURE CODE 8000
The IBM SHAS Compatible Teleprocessing Support for 2780, 2740, and 1050 Terminals under DOS QTAM extends the device support available under the SHAS (Shared Hospital Accounting Systems) teleprocessing executive to include IBM 2780, IBM 2740, and IBM 1050 Terminals, singly or in combination. Prerequisite programs include SHAS (360A-UH-11X) (at Version 2, Modification Level 0 or higher) and DOS QTAM (360N-CQ-470). Prerequisite publications include:

SHAS Application Description Manual (H20-0302)
SHAS Program Description Manual (H20-0533)
SHAS Operations Manual (H20-0534)
SHAS Teleprocessing Operations Manual (H20-0550)
SHAS Application System Manual (Y20-0215)
SHAS Teleprocessing System Manual (Y20-0251)

This manual is written for individuals with a thorough understanding of DOS, System/360 Assembler Language, DOS QTAM, and SHAS. It contains operations, program description, and systems material.
Manual, 80 pages

LY20-0483

GENERAL PURPOSE SIMULATION SYSTEM/360 DOS VERSION 2 SYSTEM MANUAL

PROGRAM NUMBER 5736-XS1 FEATURE CODE 8101
This publication contains a description of the internal structure and basic operation of the GPSS/360 program. All eleven modules which make up the GPSS/360 program are discussed in general and, where appropriate, the operation of all routines within a given module is explained in detail.

The information contained in this manual should give the user a thorough understanding of the structure and operation of the GPSS/360 program so that modifications may be more easily designed and implemented.
System Manual

LY20-0489

SYSTEM/360 TEXT PROCESSOR -- EDIT/360 (DOS) SYSTEM MANUAL VOLUME I - FLOWCHART NARRATIVES

PROGRAM NUMBER 5736-K11
The two-volume System Manual provides detailed information to assist the user in acquiring a thorough knowledge of the programming logic and techniques used in each of the EDIT/360 components.

This manual is intended for use chiefly by systems analysts and programmers who may need to alter or maintain the program. The Program Description Manual and Operations Manual are prerequisites to reading and using this publication.

Volume I of the System Manual contains storage allocation data, flowchart narratives, switch and register lists, and program modification aids. The EDIT/360 program logic flowcharts are contained in Volume II.
Program Product Publication, 272 pages

LY20-0490

SYSTEM/360 TEXT PROCESSOR -- EDIT/360 (DOS) SYSTEM MANUAL VOLUME II - FLOWCHARTS PROGRAM NUMBER 5736-K11

The two-volume System Manual provides detailed information to assist the user in acquiring a thorough knowledge of the programming logic and techniques used in each of the EDIT/360 components.

This manual is intended for use chiefly by systems analysts and programmers who may need to alter or maintain the program. The Program Description Manual and Operations Manual are prerequisites to reading and using this

publication.

This manual contains the program logic flowcharts for EDIT/360. Storage allocation data, flowcharts for EDIT/360. Storage allocation data, flowchart narratives, switch and register lists, and program modification aids are contained in Volume I.
Program Product Publication, 540 pages

LY20-0495

COURSEWRITER III FOR SYSTEM/360 (OS) VERSION 2
PROGRAMMER'S GUIDE

PROGRAM NUMBER 5734-E12 FEATURE CODE 8000

This publication provides detailed information to assist the user in gaining a more thorough knowledge of the programming logic used in the application. Flowcharts and subroutine descriptions are not in this publication (see Application Directory).
Programmer's Guide, 68 pages

LY20-0496

SYSTEM/360 ORDER ALLOCATION SYSTEM SYSTEM MANUAL
PROGRAM NUMBER 5736-D41

This manual will assist the user in understanding the system and act as an aid in modifying the system components. It consists of the program flowchart and the program source listing for each of the Order Allocation System modules. The flowcharts provide a semidetalled, visual tool that shows the logical sequence of operations performed by the program. Flowchart narratives are provided for the allocation and shipping programs, as these programs are the heart of the Order Allocation System and use the most complex coding techniques.

The appendix to this manual contains cross-reference charts. These charts aid in understanding the Order Allocation System and its information flow.
Program Product, System Manual, 265 pages

GY20-0504

IBM SYSTEM/360 CONVERSATIONAL PROGRAMMING SYSTEM (CPS):
PROGRAM LOGIC MANUAL
PROGRAM NUMBER 360D-03.4.016

This publication describes the internal logic of the Conversational Programming System (CPS).
Bulletin, type 3, class A, 254 pages

LY20-0509

IBM SYSTEM/360 OS LEARN ADMINISTRATIVE TERMINAL SYSTEM
SYSTEM MANUAL PROGRAM NUMBER 5734-XX3 FEATURE CODE 8053

This manual contains information on the design, logic flow, and coding of the OS LEARN ATS program. It describes the macros and programs that make up the system and includes program flowcharts of the new application programs to be incorporated into the existing Administrative Terminal System.

Program Product Manual, 32 pages

LY20-0510

IBM SYSTEM/360 DOS LEARN ADMINISTRATIVE TERMINAL SYSTEM
SYSTEM MANUAL PROGRAM NUMBER 5736-XX3 FEATURE CODE 8054

This manual contains information on the design, logic flow, and coding of the DOS LEARN ATS program. It describes the macros and programs that make up the system and includes program flowcharts of the new application programs to be incorporated into the existing Administrative Terminal System.

Program Product Manual, 32 pages

LY20-0528

OS/360 INVENTORY CONTROL SYSTEM MANUAL
PROGRAM NUMBER 5736-M52 FEATURE CODE 8011

OS/360 Inventory Control consists of seven programs specially designed for implementing order point inventory control in manufacturing organizations.

This manual provides detailed information to assist the user in obtaining a more thorough knowledge of the program logic employed in the programs.

The manual includes program flowcharts and flowchart narratives, in addition to information regarding switches, labels, symbols, and register assignment.
Program Product Manual, 108 pages

GY20-0530

CALL/360 - OS BASIC SYSTEM MANUAL
PROGRAM NUMBER 360A-CX-42X

This manual provides detailed information on the routines which make up the BASIC compiler for CALL/360-OS. These routines are used to compile and execute a BASIC source program. This manual can be used to locate specific areas of the program, and it enables the corresponding program listings.

Application Program Bulletin, 552 pages

GY20-0531

CALL/360-OS FORTRAN SYSTEM MANUAL PROGRAM NUMBER 360A-CX-42X
This publication describes the internal logic of the CALL/360-OS FORTRAN Compiler which transforms source statements written in the CALL/360-OS FORTRAN language into object programs for immediate execution. The manual is intended primarily for use by IBM personnel involved in program design and maintenance; it is not required for normal use or operation of the program described.

The systems manual begins with a comprehensive survey of the CALL/360-OS FORTRAN Compiler which defines the compiler and its relationship to the CALL/360-OS time-sharing system. The overall method of compiler operation is then treated, followed by a detailed discussion of the segmentation of the compiler into a translation and code generation phase (Phase I), a linking loader phase (Phase II), and an execution phase (Phase III). For convenience, logical flowcharts of most complex compiler operations are in a separate section. Additional material covering the POP macro programming language, routine directory, lists and tables, intermediate code, SVC and register usage, and diagnostic messages is provided in an appendix.
System Manual, 344 pages

LY20-0535

SYSTEM/360 CAPACITY PLANNING - INFINITE LOADING
SYSTEM MANUAL PROGRAM NUMBER 5736-M11
FEATURE CODE 8021

System/360 Capacity Planning consists of programs designed to plan the capacity required for a production plan, and to schedule orders based on available production facilities.

Its main application area is in job shops where production facilities are used intermittently to perform production or assembly operations on different items.

This manual provides detailed information to assist the user in obtaining a more thorough knowledge of the logic employed in the programs. It contains information on the system design, logic flow, and coding of the programs. It is intended chiefly for system programmers and system engineers.
Program Product Manual, 92 pages

LY20-0536

SYSTEM/360 CAPACITY PLANNING-FINITE LOADING SYSTEM MANUAL
PROGRAM NUMBER 5736-M12 FEATURE CODE 8022

System/360 Capacity Planning consists of programs designed to plan the capacity required for a production plan, and to schedule orders on the basis of available production facilities.

Its main application area is in job shops where production facilities are used intermittently to perform production or assembly operations on different items.

This manual provides detailed information to assist the user in obtaining a more thorough knowledge of the logic employed in the programs. It contains information on the system design, logic flow, and coding of the programs and is intended chiefly for system programmers and system engineers.
Program Product Manual, 236 pages

LY20-0537

SYSTEM/360 REQUIREMENTS PLANNING INTERFACE SYSTEM MANUAL
PROGRAM NUMBER 5736-M13

System/360 Requirements Planning Interface is a program product which, when added to System/360 Requirements Planning (360A-MF-05X), provides the ability to generate connection records. The connection file is required by System/360 Capacity Planning--Finite Loading (5736-M12).

This manual includes flowcharts, flowchart narratives, and listings of the macros that constitute the program product.

The information in this manual is intended for use by system programmers in conjunction with SYSTEM/360 REQUIREMENTS PLANNING, SYSTEM MANUAL (GY20-0317).
Manual, 20 pages

LY20-0543

OS/360 REQUIREMENTS PLANNING SYSTEM MANUAL
PROGRAM NUMBER 5734-M51

The OS/360 Requirements Planning programs are used to generate material requirements for finished products, assemblies, subassemblies, parts, and raw materials based upon an input of a forecast and/or orders. OS/360 Requirements Planning consists of three components: requirements generation program, print exception program, and chained file management system. The requirements generation program performs the generation of requirements, utilizing time series planning to determine net requirements, plan orders, determine offset, and post component gross requirements. The print exception program prints the notices for the exceptions discovered during the requirements generation run. The chained file management system creates and maintains a centralized manufacturing information system.

This manual includes program flowcharts and flowchart narratives, in addition to information regarding switches, labels, symbols, and register assignment. The manual is intended to aid systems analysts and programmers install and maintain OS/360 Requirements Planning.
Manual, 545 pages

LY20-0546

SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR THE
ELECTRIC UTILITY INDUSTRY POWER FLOW SYSTEM MANUAL -
VOLUME III
PROGRAM NUMBER 5736-U12 FEATURE CODE 8172

The Power System Planning (PSP) Program Product package is designed specifically for System/360. The package uses disk storage to provide the capability of establishing a master data bank of repeatedly used engineering data that describes an electrical network. The package further provides the convenience of automatic data retrieval from the master data bank whenever a simulation program is to be run. In order to study the steady-state and transient operational characteristics of present and projected interconnected power networks, three digital simulation components are included in the package -- Power Flow, Short Circuit, and Transient Stability.

This manual is designed for use by the system analyst and system programmer. It describes the basic solution technique and its implementation in the Power Flow simulation component. Power Flow files and variables are described. The format of the results file, which may be saved upon completion of a Power Flow simulation, is described. In addition, a description of each procedure in the Power Flow component is given.
Program Product Manual, 128 pages

LY20-0553

SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR
ELECTRIC UTILITY INDUSTRY - SHORT CIRCUIT SYSTEM MANUAL
VOLUME II PROG. NO. 5736-U12

The Power System Planning (PSP) Program Product package is designed specifically for the IBM System/360. The package uses disk storage to establish a master data bank of repeatedly used engineering data that describes an electrical network. The package further provides the convenience of automatic data retrieval from the master data bank whenever a simulation program is to be run. In order to study the steady-state and transient operational characteristics of present and projected interconnected power networks, three digital simulation components are included in the package -- power flow, short circuit, and transient stability.

This manual is designed for use by the system analyst and system programmer. It describes the basic solution technique and its implementation in the short circuit component. Files and variables are described. The format of the results file, which may be saved upon completion of the input phase of a short circuit simulation study, is described. A description of each procedure in the short circuit component is given.
Program Product Manual, 332 pages

LY20-0554

SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR THE
ELECTRIC UTILITY INDUSTRY TRANSIENT STABILITY
SYSTEM MANUAL - VOLUME IV PROGRAM NUMBER
5736-U12 FEATURE CODE 8173

The Power System Planning (PSP) Program Product package is designed specifically for the IBM System/360. The package uses disk storage to make it possible to establish a master data bank of repetitively used engineering data that describes an electrical network. The package provides the further convenience of automatic data retrieval from the master data bank whenever a simulation program is to be run. In order to study the steady-state and transient operational characteristics of present and projected interconnected power networks, three digital simulation components are included in the package: power flow, short circuit, and transient stability.

This manual is designed for use by the system analyst and system programmer. It describes the basic solution technique and its implementation in the transient stability simulation component. Files and variables are described. The format of the results file generated during a transient stability simulation study is described. In addition, a description of each procedure in the transient stability component is given.
Program Product Manual, 128 pages

LY20-0555

SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR THE
ELECTRIC UTILITY INDUSTRY
ENGINEERING DATA MANAGEMENT SERVICES SYSTEM MANUAL -
VOLUME I PROGRAM NUMBER 5736-U12 FEATURE CODE 8174

The Power System Planning (PSP) Program Product package is designed specifically for the IBM System/360. The package uses disk storage to provide the capability of establishing a master data bank of repeatedly used engineering data that describes an electrical network. The package further provides the convenience of automatic data retrieval from the master data bank whenever a simulation program is to be run. In order to study the steady-state and transient operational characteristics of present and projected interconnected power networks, three digital simulation components are included in the package -- power flow, short circuit, and transient stability.

This manual is designed for use by the system analyst and system programmer. It describes the methods used in validating, and retrieving data from the master data bank maintained by the engineering data management service

(EDMS) component. EDMS files and variables are described. In addition, a description of each procedure in the engineering data management service (EDMS) component is given.

Program Product Manual, 128 pages

LY20-0559

TARIFF PUBLISHING SYSTEM (BOUND TARIFFS) SYSTEM MANUAL
PROGRAM NUMBER 5736-T21, FEATURE CODE 8003

This manual provides detailed information to assist system analysts and programmers in gaining a more thorough knowledge of the programming logic employed in this application. Included for each unit process subroutine, general purpose subroutine, and mainline components are the flowchart narrative and the flowcharts.
System Manual, 402 pages

LY20-0560

TRAFFIC PROFILE ANALYSIS SYSTEM SYSTEM MANUAL
PROGRAM NUMBER 5736-T22

This manual provides detailed information to assist the user in gaining a more thorough knowledge of the programming logic employed in the application. Included for each program are the switches and registers used, the flowchart narrative and the flowcharts.
Manual, 64 pages

LY20-0561

MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) VERSION 2
SYSTEM MANUAL - PROGRAM PRODUCT 5736-H11 FEATURE CODE 8500

This manual contains the general and detailed flowcharts with narratives as necessary for the Medical Information Systems Program. The flowcharts are preceded by diagrams of both the interaction among executive program modules and techniques for construction of the application programs.
Manual, 384 pages

LY20-0565

SYSTEM/360 SHOP FLOOR CONTROL 5736-M31 SYSTEM MANUAL

System/360 Shop Floor Control is a group of programs designed to provide current information about the manufacturing facility and to assist management in effectively controlling production. The programs provide for the release of orders to the manufacturing facility, the creation and maintenance of records pertaining to the orders, retrieval of orders, report capability on the status of the orders, and the preparation and printing of a work list for shop supervisory personnel.

This manual includes (1) flowcharts, (2) flowchart narratives, and (3) a list of the program switches used by System/360 Shop Floor Control. The audience for this manual includes customer operating personnel, systems analysts, and programmers. The prerequisite for the use of this manual is a knowledge of System/360 PL/I Language, System/360 Disk Operating System, and the Bill of Material Processor.
Manual, 148 pages

LY20-0566

IBM SYSTEM/360 DATA BASE ORGANIZATION AND MAINTENANCE
PROCESSOR SYSTEM MANUAL PROGRAM NUMBER 5736-XX4

This manual provides detailed information to assist the user in gaining a more thorough knowledge of the programming logic employed in the application.

It contains detailed reference material for the file organization, maintenance, and reorganization program modules. The audience for this manual is the systems programmer.

Core storage allocation for each module is dependent upon the options chosen by the user. These allocations may be found in the SYSTEM/360 DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR, PROGRAM DESCRIPTION MANUAL (SH20-0829) in section 3.30 entitled "Core Storage Requirements".

Program modification is achieved through the customization of the supplied source code by means of user supplied parameters. Customizing is discussed in the SYSTEM/360 DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR, PROGRAM DESCRIPTION MANUAL in the section 5 entitled "Customizing the Data Base Organization and Maintenance Processor" and the Appendix entitled "Customizing the MAINLINE Module of Creation and Maintenance of the Four Basic Manufacturing Files".

Program listings are not included in this manual, as customization and assembly will provide the listings which correctly reflect the parameters chosen.
Licensed Program Product Manual

GY20-0567

CALL-OS PL/I SYSTEM MANUAL VOLUME I

The CALL/360-OS PL/I compiler (to be used with the CALL/360-OS System on an IBM System/360 MODEL #) OR HIGHER) is described in the four volumes of this publication. The publication is addressed to system programmers and customer engineers who require a detailed knowledge of the compiler. It contains a general overview of the compiler and detailed information on the compiler and runtime routines and macros that perform required functions. Additional information required to understand CALL/360-OS PL/I compiler operations

is provided in several appendices.

Volume I contains a general description of the compiler, a section on compiler operations, and a directory to compiler routines.

Application Programming Bulletin-Type II

GY20-0568

CALL/360-OS PL/I SYSTEM MANUAL VOLUME II

The CALL/360-OS PL/I compiler (to be used with the CALL/360-OS System on an IBM System/360 Model 50 or higher) is described in the four volumes of this publication. The publication is addressed to system programmers and customer engineers who require a detailed knowledge of the compiler. It contains a general overview of the compiler and detailed information on the compiler and runtime routines and macros that perform required functions. Additional information required to understand CALL/360-OS PL/I compiler operations is provided in several appendices.

Volume II CONTAINS INFORMATION ON RUNTIME SUPPORT MODULES AND THE FIRST part of a directory to runtime routines.

Application Program Manual

GY20-0569

CALL/360-OS PL/I SYSTEM MANUAL VOLUME III

PROGRAM NUMBER 360A-CX-42X

The CALL/360-OS PL/I compiler (to be used with the CALL/360-OS System on an IBM System/360 Model 50 or higher) is described in the four volumes of this publication. The publication is addressed to system programmers and customer engineers who require a detailed knowledge of the compiler. It contains a general overview of the compiler and detailed information on the compiler and runtime routines and macros that perform required functions. Additional information required to understand CALL/360-OS PL/I compiler operations is provided in several appendices.

Volume III contains the remainder of the directory to runtime routines, consisting of the mathematical function package and aggregate manipulation package.

Application Program Manual, 136 pages

GY20-0570

CALL/360 OS PL/I SYSTEM MANUAL VOLUME 4

The CALL/360-OS PL/I compiler (to be used with the CALL/360-OS System on an IBM System/360 Model 50 or higher) is described in the four volumes of this publication. The publication is addressed to system programmers and customer engineers who require a detailed knowledge of the compiler. It contains a general overview of the compiler and detailed information on the compiler and runtime routines and macros that perform required functions. Additional information required to understand CALL/360-OS PL/I compiler operations is provided in several appendices.

Volume IV contains appendices covering the following subjects:

- Compiler conventions and data layout
- Compiler tables and lists
- Compiler support macros
- Runtime support macros
- Object code storage layout
- Support services for language processors
- CALL/360-OS PL/I Compiler maintenance
- Diagnostic messages
- Maximum size of source program
- Reference listings

Manual, 252 pages

GY20-0575

IBM SYSTEM/360 DOS POWER II, SYSTEM MANUAL

PROGRAM NUMBER 360D-05.2.006

POWER II (Priority Output Writers, Execution processors, and input Readers) is an automatic SPOOLing processor and priority scheduler for normal batch processing under IBM System/360 Disk Operating System. This manual describes the internal logic of POWER II. It includes descriptive text, flowcharts, detailed breakdown of subroutines and macros, plus additional aids to debugging. This manual is intended for use in maintenance or modification of POWER II.

Manual, 356 pages

GY20-0576

DOS POWER II/RJE SYSTEM MANUAL, PROG. NO. 360D-05.2.006

POWER II/RJE offers the ability to submit jobs via remote IBM 2780 data transmission terminals for normal batch processing under Disk Operating System. The manual describes the internal logic of Remote Job Entry operating in the POWER II environment. It includes descriptive text, flowcharts, detailed breakdown of subroutines and macros, plus additional aids to debugging. This manual is intended for use in maintenance or modification of POWER II/RJE.

Manual, 224 pages

LY20-0579

SYSTEM/360 AGRIBUSINESS MANAGEMENT INFORMATION SYSTEM SYSTEM MANUAL FEATURE CODE 8012 PROGRAM NUMBER 5736-D51

The IBM Agribusiness Management Information System is a set of program and procedures which make available

financial, tax, and management information to the agribusiness Management Information System (AMIS) programs. The reader will be charged with maintenance of the system and should be familiar with IBM System/360 Disk Operating System (System/360 DOS) and with the AMIS programs. System Manual, 386 pages

LY20-0587

PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS) ADDITIONAL FILE FACILITY: SYSTEMS REFERENCE MANUAL, PROGRAM NUMBER 5736-N22, FEATURE CODE 8007

This reference publication describes the functions and logic of the new modules and changes to the PALIS Basic program (360A-IF-10X) that make up the PALIS Additional File Facility (2314) (5736-N22). Changes to the logic, preparation for use, and operation of rateload, file support, transaction edit, file maintenance run, and inquiry are included.

This manual must be used in conjunction with the PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS), BASIC PROGRAM, PROGRAM DESCRIPTION AND SYSTEM MANUAL (GH20-0497) and the PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS), BASIC PROGRAM, OPERATIONS MANUAL (GH20-0498). Program Product Manual, 88 pages

GY20-0590

CP-67/CMS VERSION 3.1: CP-67 PROGRAM LOGIC MANUAL, PROG. NO. 360D-05.2.005

This publication describes the internal logic of the CP-67 (Control Program-67) system. The system consists of a Control Program that creates a multiprogramming, time-sharing environment by providing virtual machines for users to run their own operating systems concurrently with other users. This manual is directed to personnel who will be responsible for the maintenance and modification of CP-67.

Type III Program Manual, Class A, 300 pages

GY20-0591

CP-67/CMS VERSION 3.1: CMS PROGRAM LOGIC MANUAL, PROG. NO. 360D-05.2.005

The Cambridge Monitor System (CMS) is a conversational monitor system that provides a comprehensive, easy-to-use set of programs (commands) giving the CMS user a wide variety of functions, including the ability to create additional commands or subsystems to satisfy his special requirements.

This manual provides a detailed description of the internals of CMS.

Type III program, Class A, Program Logic Manual, 520 pages

LY20-0595

IBM SYSTEM/360 FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL-LOW CORE (FASTER LC) 5736-G22 SYSTEM MANUAL

This manual details the program logic of FASTER LC, discussing each system routine and its function within the basic components identified as Line Control, Interface, and Message Processor. Internal controls are described and modification guidelines are provided, for the benefit of installation programmers or systems engineers. The information in this manual is not needed, ordinarily, by operations or applications personnel.

Data-control flowcharts, line-control flowcharts, and program listings are logical parts of this manual and are made available in machine-readable form. See the Application Director for a description of the distribution medium.

Manual, 92 pages

LY20-0596

GENERAL PURPOSE SIMULATION SYSTEM V-OS (GPSS V-OS) SYSTEM MANUAL, PROG. NO. 5734-XS2, FEATURE NO. 8046

This publication contains a description of the internal structure and the basic operation of the GPSS program. All the modules which make up the GPSS program are discussed in general and, where appropriate, the operation of all routines within a given module is explained in detail.

The information contained in this manual should give the user a thorough understanding of the structure and operation of the GPSS program so that modifications may be more easily designed and implemented.

Program Product Manual, 570 pages

GY20-0597

COMPATIBILITY OPERATING SYSTEM FOR EMULATION OF IBM 1410/7010 DATA PROCESSING SYSTEMS OPERATING ON IBM SYSTEM/360 MODEL 50

(COS/50) (360D-11.1.025) PROGRAM LOGIC MANUAL This publication describes the internal logic of the Compatibility Operating System (COS/50). COS/50 is used with System/360 Compatibility Feature No. 4478, modified by RPQ P23666, to execute IBM 1410/7010 programs on an IBM System/360 Model 50. COS/50 operates as a problem program under the IBM System/360 Operating System.

This manual is intended for persons involved in program maintenance, or system programmers who are altering the program design; it is not needed for normal use or operation

of the program described.
Type III, Class A, 60 pages

GY20-0599

THE REAL-TIME MONITOR (RTM) SYSTEM MANUAL,
PROGRAM NUMBER 360A-SV-001
The Real-Time Monitor (RTM) is co-resident with OS. It provides fast interrupt response for real-time, event-driven systems. Normal OS jobs continue to run in background mode while the Monitor services real-time interrupts and schedules real-time jobs in priority mode. In addition, multiprogramming capability and OS facilities are provided for the real-time jobs. This manual presents the general logic specifications of RTM, which enable the user to run real-time and batch jobs concurrently. It is assumed that the reader is familiar with standard OS terminology.
Application Program Manual, Type II, 56 pages

LY20-0601

DATA/360 - DOS SYSTEM MANUAL
PROGRAM NUMBER 5736-XS2, FEATURE CODE 8018
This manual contains detailed descriptions and procedures for system generation. This publication also contains abstract descriptions and functional flowcharts for all key modules. To further assist the system programmer, console operator, and terminal operator, a set of sample problems and running instructions with sample outputs are included.
Program Product System Manual, 210 pages

LY20-0602

GENERAL PURPOSE SIMULATION SYSTEM V - DOS SYSTEM MANUAL,
PROG. NO. 5736-XS3, FEATURE NO. 8049
This publication contains a description of the internal structure and the basic operation of the GPSS program. All the modules which make up the GPSS program are discussed in general and, where appropriate, the operation of all routines within a given module is explained in detail.
The information contained in this manual should give the user a thorough understanding of the structure and operation of the GPSS program so that modifications may be more easily designed and implemented.
Program Product Manual, 568 pages

LY20-0604

CUSTOMER INFORMATION CONTROL SYSTEM, OS-STANDARD (CICS/OS)
(5736-U11), LANGUAGE AND TERMINAL (L/T) FEATURE
SYSTEM MANUAL, FEATURE CODE 8060
The purpose of this manual is to give the user a thorough understanding of the logic of the IBM Language and Terminal (L/T) Feature, an extension to the Customer Information Control System OS-STANDARD (CICS/OS) (5736-U11).
The manual is intended for use by the system programmer responsible for program maintenance and program design alteration. The manual contains module flowcharts, flowchart narratives, and control area and control table formats.
The Language and Terminal Feature gives the user the ability to write his processing programs in PL/I or COBOL. The feature extends the terminal support to the 1030 Data Collection System, 2741 Communication Terminal, Binary Synchronous Communication Terminal with support for System/360 on non-switched lines, System/360 Model 20 on non-switched lines, 1130 Computing System on non-switched lines, 2780 Data Transmission Terminal on non-switched lines, and switched line support for 2740 Communication Terminal, 2741 Communications Terminal, and 1050 Communication System.
OS-STANDARD (CICS/OS) has been added to the name of this system to distinguish it from the recently announced DOS systems CICS/DOSE and CICS/DOSS. Functional changes have not been made.
Program Product Manual, 104 pages

LY20-0606

SYSTEM/360 FINANCIAL TERMINAL SYSTEM
SYSTEM MANUAL, VOLUME I: FLOWCHART NARRATIVES
PROGRAM NUMBER 5736-F12, FEATURE CODE 8026
This manual describes the internal logic and flow of the Financial Terminal System (FTS). This system, operating as the controller of a DOS teleprocessing and multitasking partition, provides control of network operations and an efficient environment in which up to eight user-written application programs may concurrently process terminal transactions.
The contents of this manual include data specifications, internal macro usage, and detailed descriptions of all FTS modules. The purpose of the manual is to provide the user with a level of understanding sufficient to enable him to maintain the system, diagnose errors, or modify its design.
Volume II of the System Manual (LY20-0607) contains flowcharts of all FTS logic modules.
Program Product Documentation, 512 pages

LY20-0607

SYSTEM/360 FINANCIAL TERMINAL SYSTEM
SYSTEM MANUAL VOLUME II: FLOWCHARTS
PROGRAM NUMBER 5736-F12, FEATURE CODE 8026
This manual contains flowcharts of all Financial Terminal System logic modules and supplements Volume I of the System Manual.
Program Product Manual, 272 pages

LY20-0608

FORTRAN CONVERSION AID PROGRAM (SYSTEM MANUAL,
PROGRAM NUMBER 5799-AAJ, FEATURE CODE 8001,
REFERENCE NUMBER FA1287
The FORTRAN Conversion Aid Programming RPQ assists in converting programs written in certain non-System/360 FORTRAN dialects to System/360 executable code. Conversion is accomplished through translation, hand modification, compilation, and object-time library simulation. This programming RPQ is available on special quotation only.
Programming RPQ, 190 pages

LY20-0609

PROJECT MANAGEMENT SYSTEM IV (PMS IV)
PROGRAM NUMBER 5734-XP4, FEATURE NUMBER 8074
COST PROCESSOR SYSTEM MANUAL
This manual presents a detailed description of subroutines and internal data formats of PMS IV Cost Processor. In conjunction with the program listings and flowcharts, it provides the user with a complete description of how this processor is implemented.
Program Product Manual, 92 pages

LY20-0610

PROJECT MANAGEMENT SYSTEM IV (PMS IV)
PROGRAM NUMBER 5734-XP4 - FEATURE NUMBER 8071
NETWORK PROCESSOR SYSTEM MANUAL
This manual presents a detailed description of subroutines and internal data formats of PMS IV Network Processor. In conjunction with the program listings and flowcharts, it provides the user with a complete description of how this processor is implemented.
Program Product Manual, 156 pages

LY20-0611

PROJECT MANAGEMENT SYSTEM IV (PMSIV)
RESOURCE ALLOCATION PROCESSOR SYSTEM MANUAL
PROGRAM NUMBER 5734-XP4, FEATURE CODE 8077
This manual presents a detailed description of subroutines and internal data formats of PMSIV Resource Allocation Processor. In conjunction with the program listings and flowcharts, it provides the user with a complete description of how this processor is implemented.
Program Product Manual, 92 pages

LY20-0612

PROJECT MANAGEMENT SYSTEM IV (PMS IV)
PROGRAM NUMBER 5734-XP4 - FEATURE NUMBER 8068
REPORT PROCESSOR SYSTEM MANUAL
This manual presents a detailed description of subroutines and internal data formats of PMS IV Report Processor. In conjunction with the program listings and flowcharts, it provides the user with a complete description of how this processor is implemented.
Program Product Manual, 168 pages

LY20-0613

PROJECT MANAGEMENT SYSTEM IV (PMSIV)
COST PROCESSOR FLOWCHART MANUAL
PROGRAM NUMBER 5734-XP4, FEATURE CODE 8075
This manual contains the flowcharts for the Cost Processor of Project Management System IV. It should be used in conjunction with the system manual for the Cost Processor.
Program Product Manual, 88 pages

LY20-0614

PROJECT MANAGEMENT SYSTEM IV (PMSIV)
NETWORK PROCESSOR FLOWCHART MANUAL
PROGRAM NUMBER 5734-XP4, FEATURE CODE 8072
This manual contains the flowcharts for the Network Processor of Project Management System IV. It should be used in conjunction with the system manual for the Network Processor.
Program Product Manual, 120 pages

LY20-0615

PROJECT MANAGEMENT SYSTEM IV (PMSIV)
RESOURCE ALLOCATION PROCESSOR FLOWCHART MANUAL
PROGRAM NUMBER 5734-XP4, FEATURE CODE 8078
This manual contains the flowcharts for the Resource Allocation Processor of Project Management System IV. It should be used in conjunction with the system manual for the Resource Allocation Processor.
Program Product Manual, 136 pages

LY20-0616

PROJECT MANAGEMENT SYSTEM IV (PMSIV)
REPORT PROCESSOR FLOWCHART MANUAL
PROGRAM NUMBER 5734-XP4, FEATURE CODE 8069

This manual contains the flowcharts for the Report Processor of Project Management System IV. It should be used in conjunction with the system manual for the Report Processor. Program Product Manual, 120 pages

large common data bases in a multi-application environment. This environment is created to accommodate both on-line message processing and conventional batch processing, either separately or concurrently.

This manual includes a flowchart of each module in the IMS/360 program. Module descriptions are contained in Volume I. Volume III contains listings of the data base (batch) portion of the IMS/360 program, furnished as microfiche. Volume IV contains listings of the data communications portion of the program, also furnished as microfiche. Program Product Manual, 324 pages

LY20-0621

CONSUMER GOODS SYSTEM (COGS), FORECASTING (OS),
SYSTEM MANUAL, PROGRAM NUMBER 5734-D33

This manual contains source code listings and flowcharts to aid the user in program product implementation and modification. Program Product System Manual, 132 pages

LY20-0634

DISPLAY MANAGEMENT SYSTEM, SYSTEM MANUAL
PROGRAM NUMBER 5734-XC1, FEATURE CODE 8005

The IBM Display Management System (DMS) is a series of application modules, operating under a supervisor, which greatly simplify, to the user, the complexities of implementing interactive data processing operations which feature the 2260/65 Display Station. By use of three forms provided by DMS the user implements his own applications on a customized basis by describing his data files, designing 2260/65 Display Station images (panels) in the language of his own application, and describing the utility functions that are required. The purpose of this manual is to give the user a thorough understanding of the logic employed in each module.

This manual contains detailed program flowcharts, flowchart narratives, control area and control table formats, register considerations, special programming techniques and information concerning program modification. Licensed Program Product Manual.

LY20-0622

CONSUMER GOODS SYSTEM (COGS) ALLOCATION (OS) SYSTEM MANUAL
PROGRAM NUMBER 5734-D32

This manual contains source code listings and flowcharts to aid the user in program product implementation and modification. Manual, 116 pages

LY20-0623

SYSTEM/360 TEXT PROCESSOR PAGINATION/360, SYSTEM MANUAL,
VOLUME I - FLOWCHART NARRATIVES - PROGRAM NUMBER 5736-K12,
FEATURE CODE 8010

The two-volume System Manual provides detailed information to assist the user in acquiring a thorough knowledge of the programming logic and techniques used in PAGINATION/360. The manual is intended primarily for the use of systems analysts and programmers who may need to alter or maintain the program. The Program Description Manual and Operations Manual are prerequisites to reading and using the System Manual.

This volume of the System Manual contains narratives, and switch and register lists. Volume II contains the program logic flowcharts. Program Product System Manual, 370 pages

LY20-0635

CONTROL PROGRAM-67 ONLINE COBOL SYMBOLIC DEBUG PROGRAMMING
RPQ: SYSTEM MANUAL, PROG. NO. 5799-AAE FEATURE NO. 8006

This publication describes the system design and actual coding of the Symbolic Debug system. It is intended primarily for the systems programmers. This programming RPQ is available on special quotation only (see inside front cover). Programming RPQ, 54 pages

LY20-0624

SYSTEM/360 TEXT PROCESSOR PAGINATION/360, SYSTEM MANUAL,
VOLUME II - FLOWCHARTS - PROGRAM NUMBER 5736-K12,
FEATURE CODE 8011

The two-volume System Manual provides detailed information to assist the user in acquiring a thorough knowledge of the programming logic and techniques used in PAGINATION/360. The manual is intended primarily for the use of systems analysts and programmers who may need to alter or maintain the program. The Program Description Manual and Operations Manual are prerequisites to reading and using the System Manual.

This volume of the System Manual contains the program logic flowcharts. Volume I contains narratives, and switch and register lists. Program Product System Manual, 822 pages

LY20-0638

DATA/360-OS SYSTEM MANUAL
PROGRAM NUMBER 5734-XS3, FEATURE CODE 8087

This manual contains detailed descriptions of the DATA/360-OS files, modules, and macros. It is intended for systems programmers or equivalent who wish to become familiar with the internal workings of DATA/360-OS. Topics pertaining to generating and operating DATA/360-OS are found in the DATA/360-OS Console Operator's Guide (SH20-0926). Topics pertaining to terminal operations and training are located in the DATA/360-OS Terminal Operator's Guide (SH20-0925). Program Product Manual, 302 pages

LY20-0628

SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM
SYSTEM MANUAL - PROGRAM NUMBER 5736-F32 FEATURE NUMBER 8033

This publication provides the systems programmer with detailed information about the ACIP system. It contains flowcharts and descriptions of each ACIP routine. In addition, there is a section on system modification considerations. Manual, 180 pages

LY20-0640

MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX)
MIXED INTEGER PROGRAMMING (MIP) - SYSTEM MANUAL
PROGRAM NUMBER 5734-XM4, FEATURE NUMBER 8056

MIP is an extension of the linear programming module of the Mathematical Programming System Extended (MPSX). It allows the processing of mixed integer linear programming problems, that is, linear programming problems in which some of the variables must take integer values. This manual describes the "branch and bound" method used and the MIP routines. Program Product Manual, 84 pages

LY20-0629

INFORMATION MANAGEMENT SYSTEM/360, VERSION 2
PROGRAM NUMBER 5734-XX6
SYSTEM MANUAL - LOGIC VOLUME I, FEATURE CODE 8080

Information Management System/360 is a processing program designed to facilitate the implementation of medium to large common data bases in a multiapplication environment. This environment is created to accommodate both online message processing and conventional batch processing, either separately or concurrently. The system permits the evolutionary expansion of data processing applications from a batch-only to a teleprocessing environment.

This manual includes a description of each module of the IMS/360 program. It also contains information on macros used, interfaces and module sizes, error codes and handling, and ABENDS. Flowcharts are contained in Volume II. Volume III contains listings of the data base (batch) portion of the IMS/360 program, furnished as microfiche. Volume IV contains listings of the data communications portion of the program, also furnished as microfiche. Program Product Manual, 728 pages

LY20-0641

MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX),
MIXED INTEGER PROGRAMMING (MIP) FLOWCHART MANUAL,
PROGRAM NUMBER 5734-XM4, FEATURE CODE 8057

This manual contains the flowcharts for the Mixed Integer Programming (MIP) feature of MPSX. It should be used in conjunction with the MIP System Manual and the source or assembly listings. Program Product Manual, 36 pages

LY20-0642

MATHEMATICAL PROGRAM SYSTEM EXTENDED (MPSX) FLOWCHART MANUAL
PROGRAM NUMBER 5734-XM4, FEATURE CODE 8055

This manual contains the flowcharts for the Mathematical Programming System Extended (MPSX). It should be used in conjunction with the MPSX System Manual and the source or assembly listings. Program Product, 296 pages

LY20-0630

INFORMATION MANAGEMENT SYSTEM/360, VERSION 2, VOLUME 2,
SYSTEM MANUAL (FLOWCHARTS), MICROFICHE
PROGRAM NUMBER 5734-XX6, FEATURE CODE 8081

Information Management System/360 is a processing program designed to facilitate the implementation of medium to

LY20-0646

MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX)
SYSTEM MANUAL, PROGRAM NUMBER 5734-XM4, FEATURE CODE 8056

This manual provides detailed information to help the user understand the implementation of MPSX. It is designed to be used with the program listings and flowcharts of MPSX. Program Product Manual, 528 pages

LY20-0655

SHARED LABORATORY INFORMATION SYSTEM (SLIS) SYSTEM MANUAL
PROGRAM PRODUCT 5736-H12

This manual contains detailed program information useful for program modification, error diagnosis and maintenance. The manual contains detailed descriptive information on the logical operation of each program, through program flowcharts. Most flowchart narratives are general, but more detail has been included for the complicated programs. Labels and symbols, programmed switches, program indicators, register usage, special techniques, program modification notes, and service subprogram usage are defined for each system program.

This document is written as a reference manual. Before using this manual the reader should be thoroughly familiar with the following manuals: SHARED LABORATORY INFORMATION SYSTEM APPLICATION DESCRIPTION MANUAL (GH20-0709), SHARED LABORATORY INFORMATION SYSTEM LABORATORY MANUAL (SH20-0769), SHARED LABORATORY INFORMATION SYSTEM PROGRAM DESCRIPTION MANUAL (SH20-0780), SHARED LABORATORY INFORMATION SYSTEM OPERATIONS MANUAL (SH20-0781). Manual, 284 pages

LY20-0656

IBM SYSTEM/360 BASIC COURTS SYSTEM, SYSTEM MANUAL
PROGRAM NUMBER 5736-G26

This manual details the logic of the batch and online programs within the Basic Courts System. Internal buffers and switches are described, and modification guidelines are provided, for the benefit of installation programmers or systems engineers. The information in this manual is not needed, ordinarily, by operations or applications personnel.

The batch programs are written in ANS COBOL. The online programs are written in the macro language of FASTER LC (Filing And Source Data Entry Techniques for Easier Retrieval--Low Core). The online programs run under control of the FASTER LC system. The System Manual for FASTER LC (feature 8056, order number LY20-0595) should be referenced for FASTER LC program logic. Manual, 96 pages

LY20-0661

COMPUTER SYSTEM SIMULATOR II (CSS II), SYSTEM MANUAL
PROGRAM NUMBER 5734-XS5, FEATURE CODE 8035

This manual provides a detailed description of the structure and internal operation of the routines within the CSS II program. It is primarily intended to be used as a guide with the program listing for users intending either to modify the program or to write an assembly language HELP routine to be associated with the program. Program Product Manual, 604 pages

LY20-0663

FARE QUOTE/TICKETING FUNCTIONAL SPECIFICATION
PROGRAM NUMBER 5736-T11

This manual describes in some detail the functional capabilities offered by the Fare Quote/Ticketing package and the relationship to the PARS environment. It explains system philosophy, broad programming guidelines and data record characteristics.

Program Product Manual, 34 pages

LY20-0664

FARE QUOTE/ISSUE TICKET PROGRAM AND PACKAGE SPECIFICATIONS
PROGRAM NUMBER 5736-T11

(SEE ALSO "TARIFF MAINTENANCE" PROG. NO. 5736-T11)
This manual describes the plans, controls, methods and techniques used for communications between the PARS system and the Fare Quote/Ticketing system in order to calculate fares and issue tickets.

Program Product Manual, 392 pages

LY20-0665

TARIFF MAINTENANCE PROGRAM AND PACKAGE SPECIFICATIONS
PROGRAM NUMBER 5736-T11

(SEE ALSO "FARE QUOTE/TICKETING" PROG. NO. 5736-T11)
This manual contains the specifications which describe the plans, methods, controls and techniques of editing, constructing and updating the tariff and ticketing file required by the Fare Quote/Ticketing package to perform its function.

Program Product Manual, 892 pages

LY20-0666

FARE QUOTE/TICKETING DATA/MACRO SPECIFICATION
PROGRAM NUMBER 5736-T11

This manual describes the purpose and format of all data records used in the Fare Quote/Ticketing Program Product and illustrates how the data is created, maintained and used to produce a fare quotation and a printed ticket. This document also describes all executable macros written for the Fare Quote/Ticketing Program Product detailing their purpose and functions including all programming considerations and requirements. Program Product Manual, 200 pages

LY20-0671

PROCEDURE LIBRARY - MATHEMATICS (PL-MATH) SYSTEM MANUAL
PROGRAM NUMBER 5734-XM3 FEATURE NUMBER 8051

This manual contains the source code listings for the procedures and sample programs of the PL-MATH Library. Program Product, 224 pages

LY20-0674

MINIPERT SYSTEM MANUAL, FEATURE NUMBER 8086
PROGRAM NUMBER 5734-XP3

This manual contains a detailed description and listing for every MINIPERT function in each of the five workspaces.

Program Product Manual, 144 pages

LY20-0678

APL/360-OS AND APL/360-DOS SYSTEM MANUAL
FEATURE NUMBERS 8091, 8034
PROGRAM NUMBERS 5734-XM6, 5736-XM6

This publication provides general information relating to the design and program logic of the program products. When used as a debugging tool, this manual serves as a guide to the program listings.

Program Product Manual, 232 pages

LY20-0679

COURSEWRITER III, VERSION 3 DISK OPERATING SYSTEM
SYSTEM PROGRAMMER'S GUIDE - PROGRAM NUMBER 5736-N11

This publication provides detailed information of programming logic employed in the application.

It is assumed that the reader has prior knowledge of Coursewriter III, the Disk Operating System, and Basic Telecommunications Access Method.

Flowcharts and assembly listings are not in this publication (see "Optional Machine Readable Information" in the Application Directory). Program product manual, 100 pages

LY20-0681

CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII)
SYSTEM MANUAL - VOLUME I - PROGRAM NUMBER 5736-N13

This manual provides detailed information to help the user understand the special CFO II macros that provide system compatibility. The subroutines used by many of the CFO II programs are also described in this manual. A program abstract and flowchart, a storage allocation table, and a listing of program switches and their descriptions are included for each of the subroutines.

This manual also describes (1) the processing of card image input for file maintenance, accounting and status request transactions, and the creation of the transaction file; (2) the editing of transactions; (3) the selection, addition, replacement, deletion, and updating of policy master records on the policy master file. Appropriate flowcharts, storage allocation tables, program modification, and a listing of program switches and their descriptions are included.

Manual, 148 pages

LY20-0682

CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII)
SYSTEM MANUAL - VOLUME II - PROGRAM NUMBER 5736-N13

This manual provides detailed information to help the user understand file maintenance processing. It describes external file maintenance transactions that add, delete, or replace individual policy master record fields and/or trailers. It also describes the automatic trailer processing related to policy status coding and the policy exhibit adjustment. Appropriate flowcharts, storage allocation tables, program modification aids, and a listing of program switches and their descriptions are included. Manual, 117 pages

LY20-0683

CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII)
SYSTEM MANUAL - VOLUME III - PROGRAM NUMBER 5736-N13

This manual provides detailed information to help the user understand the cash updating and anniversary processing programs. It describes 1) the editing functions performed by update processing and the automatic entries which are generated as part of that processing, and 2) the sequence of anniversary processing. Appropriate flowcharts, storage allocation tables, program modification aids, and a listing of program switches and their description are included. Manual, 136 pages

LY20-0684

CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII)
SYSTEM MANUAL - VOLUME IV - PROGRAM NUMBER 5736-N13

This manual provides detailed information to help the user understand the generation of billing notification. In addition, the generation of status requests for scheduled conditions is described. Appropriate flowcharts, storage allocation tables, program modification aids, and a listing of program switches and their description are included. Manual, 80 pages

LY20-0685

CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII), SYSTEM MANUAL - VOLUME V - PROGRAM NUMBER 5736-N13
This manual provides information to help the user understand the program logic of the status series. It describes (1) the creation of the status temporary data record, (2) the calculations involving the mortality table and the policy master record, (3) the generation of accounting and policy exhibit transactions, (4) the updating of the policy master record and the generation of image status requests, and (5) the printing of the status report. Appropriate flowcharts, storage allocation tables, program modification aids, and a listing of program switches and their descriptions are included.
Manual, 162 pages

LY20-0686

CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII), SYSTEM MANUAL - VOLUME VI - PROGRAM NUMBER 5736-N13
This manual provides detailed information to help the user understand the program logic concerned with (1) the merging of the status and nonstatus activity files, the creation of the life transaction file, and the processed master file; (2) the processing of general accounting entries, preparation of the policy accounting journal, and the premium distribution by state file; (3) the processing of sorted billing, commission, and accounting transactions and the printing of the general accounting journal and summary totals by account number; (4) the scheduling of the next automatic activity date in the policy master record and the creation of the policy exhibit transaction file. Appropriate flowcharts, storage allocation tables, program modification aids, and a listing of program switches and their descriptions are included.
Manual, 108 pages

LY20-0687

CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII), SYSTEM MANUAL - VOLUME VII - PROGRAM NUMBER 5736-N13
This manual provides information to help the user understand the program logic for the periodic update programs. It describes (1) the creation of extracts for dividend and other participation updating of the policy master record; (2) the updating of the extracts with temporary values and other data from the dividend rate file; (3) the updating of the policy master record by adding temporary value records or by changing the participation option codes; (4) the replacement of old premium rates on the renewable term policy master records; (5) the creation of extracts for cash value updating master record; (6) the updating of the extracts with the cash values from the cash value rate file; and (7) the updating of the policy master record with the extracted cash values. Appropriate flowcharts, storage allocation tables, program modification aids, and a listing of program switches and their descriptions are included.
Manual, 76 pages

LY20-0691

COURSEWRITER III/OS VERSION 3 SYSTEM PROGRAMMERS GUIDE PROG. NO. 5734-E13
This publication provides detailed information of programming logic employed in the application. It is assumed the reader has prior knowledge of Coursewriter III, the Operating System, and Basic Telecommunications Access Methods.
Flowcharts and assembly listings are not in this publication (see "Optional Machine Readable Information" in the Application Directory.)
System generating information is contained in Coursewriter III/OS, Version 3 Operator's Guide (SB20-1022).
Licensed Program Product Manual, 96 pages

LY20-0692

ELECTRONIC CIRCUIT ANALYSIS PROGRAM II (ECAP II) FOR THE IBM OPERATING SYSTEM AND 1130 COMPUTING SYSTEM - SYSTEM MANUAL FEATURE NUMBER 8095 - PROGRAM NUMBERS 5734-EE1, 5711-EE1
This manual contains detailed information useful to a system or an application programmer interested in making program modifications to ECAP II. This manual includes:

- o General organization of the program
- o Description of functions performed by each program phase and subroutine
- o Program logic flowcharts
- o Description of variables passed between programs and subroutines
- o Data formats and file organization

Program product manual, 448 pages

LY20-0693

SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR THE ELECTRIC UTILITY INDUSTRY, POWER FLOW OUTPUT AND CAPACITY FEATURE SYSTEM MANUAL, VOLUME V - PROGRAM NUMBER (5736-U12)
The Power System Planning (PSP) Program Product is designed for the IBM System/360 and System/370. Direct access storage is employed for a master data bank of repetitively used electrical power network data. Data is automatically retrieved from the master data bank by the Engineering Data Management Service (EDMS) component whenever a simulation component is run. In order to study the steady state and

transient operational characteristics of present and projected interconnected power networks, three digital simulation components are included in the package: Power Flow, Short Circuit, and Transient Stability.

This manual is designed for use by the system analyst and system programmer. It describes the basic solution technique and its implementation in the Power Flow Output and Capacity Feature. Power Flow files and variables are described. The format of the results file, which may be saved upon completion of a Power Flow simulation, is described. In addition, a description of each procedure in the Power Flow Output and Capacity Feature is given.
Manual, 130 pages

LY20-0694

BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE) VERSION 2 SYSTEM MANUAL - PROGRAM NUMBER 5736-F31, FEATURE 8005
This system manual consists principally of the flowcharts for each program in the Brokerage Accounting System Elements (BASE) system, together with such supplementary material as will aid the programmer in modifying the system to adapt it to a particular application requirement.
The BASE system is composed of a number of closely interrelated programs that provide a comprehensive foundation for back office data processing applications in today's brokerage firm. Application areas covered include Purchase and Sale (P&S), Stock Record, Dividends, Bookkeeping, Interest, Customer Statements, and such critical Cashier functions as Fails and Transfers. The BASE system is general enough to permit various options and modifications to suit the individual requirements of a particular brokerage firm. However, the processing in the application areas is extensive so that most programs will require little or no modification by the typical brokerage firm.
Program product manual, 592 pages

LY20-0696

GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL VOLUME 1 - PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8115
This three-volume manual outlines and details the internal logic of the Generalized Information System, Version 2, for the benefit of programmers attempting to revise and/or maintain the system. The organization of the manual reflects the system's design structure of interfacing program units. As applicable, the manual includes diagnostic comments to assist in isolating faulty operation, and contains modification aids to assist in making minor changes to the system.
Program Product Manual, 204 pages

LY20-0697

GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL VOLUME 2 - PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8116
This three-volume manual outlines and details the internal logic of the Generalized Information System, Version 2, for the benefit of programmers attempting to revise and/or maintain the system. The organization of the manual reflects the system's design structure of interfacing program units. As applicable, the manual includes diagnostic comments to assist in isolating faulty operation, and contains modification aids to assist in making minor changes to the system.
Program Product Manual, 524 pages

LY20-0698

GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL VOLUME 3 - PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8117
This three-volume manual outlines and details the internal logic of the Generalized Information System, Version 2, for the benefit of programmers attempting to revise and/or maintain the system. The organization of the manual reflects the system's design structure of interfacing program units. As applicable, the manual includes diagnostic comments to assist in isolating faulty operation, and contains modification aids to assist in making minor changes to the system.
Program Product Manual, 400 pages

LY20-0699

IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE ARITHMETIC STATEMENT FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8125
This manual provides design and internal logic documentation for the above-named feature. These pages replace correspondingly numbered "reserve" pages in the System Manual provided with the Basic Retrieval System package.
Program Product Manual, 24 pages

LY20-0700

IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE TELEPROCESSING SUPPORT FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8123
This manual provides design and internal logic documentation for the above-named feature. These pages replace

correspondingly numbered "reserve" pages in the System Manual provided with the Basic Retrieval System package. Program Product Manual, 12 pages

LY20-0701

IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE CONTROL STATEMENT FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8124
This manual provides design and internal logic documentation for the above-named feature. These pages replace correspondingly numbered "reserve" pages in the System Manual provided with the Basic Retrieval System package. Program Product Manual, 48 pages

LY20-0702

IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE PROCESSING STATEMENT FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8126
This manual provides design and internal logic documentation for the above-named feature. These pages replace correspondingly numbered "reserve" pages in the System Manual provided with the Basic Retrieval System package. Program Product Manual, 68 pages

LY20-0703

IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE FORMAL REPORT FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8119
This manual provides design and internal logic documentation for the above-named feature. These pages replace correspondingly numbered "reserved" pages in the System Manual provided with the Basic Retrieval System package. Program Product Manual, 128 pages

LY20-0704

IBM GENERALIZED INFORMATION SYSTEM VOLUME 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE HIERARCHIC FILE SUPPORT FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8120
This manual provides design and internal logic documentation for the above-named feature. These pages replace correspondingly numbered "reserve" pages in the System Manual provided with the Basic Retrieval System package. Program Product Manual, 30 pages

LY20-0705

IBM GENERALIZED INFORMATION SYSTEM VOLUME 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE FILE UPDATE AND CREATE FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8118
This manual provides design and internal logic documentation for the above-named feature. These pages replace correspondingly numbered "reserve" pages in the System Manual provided with the Basic Retrieval System package. Program Product Manual, 130 pages

LY20-0706

IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE UTILITY FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8121
This manual provides design and internal logic documentation for the above-named feature. These pages replace correspondingly numbered "reserve" pages in the System Manual provided with the Basic Retrieval System package. Program Product Manual, 30 pages

LY20-0707

IBM GENERALIZED INFORMATION SYSTEM VOLUME 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE EDIT AND ENCODE FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8122
This manual provides design and internal logic documentation for the above-named feature. These pages replace correspondingly numbered "reserve" pages in the System Manual provided with the Basic Retrieval System package. Program Product Manual, 16 pages

LY20-0708

IBM GENERALIZED INFORMATION SYSTEM VOLUME 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE FILE MODIFY FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8127
This manual provides design and internal logic documentation for the above-named feature. These pages replace correspondingly numbered "reserve" pages in the System Manual provided with the Basic Retrieval System package. Program Product Manual, 24 pages

LY20-0710

PLANNING SYSTEMS GENERATOR II (PSG II) LOGIC MANUAL PROGRAM NUMBER 5734-XT1 FEATURE NUMBER 8114
Planning Systems Generator II (PSG II) gives the user the means to rapidly produce and evaluate a variety of financial plans. It offers the user a simple method for specifying planning data, establishing computational logic to be applied to the data, and for generating data displays and reports.
PSG II may be applied to the solution of planning problems for financial management and also for any division

or department of a company with a planning function such as personnel or manpower planning, marketing projections, short-range budgeting, etc.

This manual is to be used in conjunction with the PSG II source code listings.

Users of this manual should be familiar with the following publications:

Planning Systems Generator II (PSG II): Operations Guide SH20-1041

Planning Systems Generator II (PSG II): Program Reference Manual SH20-1042

The Purpose of this manual is to assist the systems analyst in maintaining and/or modifying PSG II. Manual, 160 pages

LY20-0712

CUSTOMER INFORMATION CONTROL SYSTEM FEATURE NUMBER 8030 (DOS-ENTRY) LOGIC MANUAL - PROGRAM NUMBER 5736-XX6
The IBM Customer Information Control System (CICS) is a transaction-oriented, multiapplication data base/data communication interface between a System/360 or System/370 operating system and user-written application programs. Applicable to most online systems, CICS provides many of the facilities necessary for standard terminal applications: message switching, inquiry, data collection, order entry, and conversational data entry.

CICS is available in three systems--two for DOS users and one for OS users. Because the two CICS/DOS systems are compatible with each other and with the CICS/OS system, it is possible to start with a small data base/data communication configuration and move up through DOS into OS.

The information contained in this manual is of interest to persons maintaining and modifying the operation of the CICS/DOS-ENTRY system. Manual, 272 pages

LY20-0713

CUSTOMER INFORMATION CONTROL SYSTEM (CICS) LOGIC MANUAL PROGRAM NUMBER 5736-XX7 (DOS-STANDARD) FEATURE NUMBER 8031
The IBM Customer Information Control System (CICS) is a transaction-oriented, multiapplication data base/data communication interface between a System/360 or System/370 operating system and user-written application programs. Applicable to most on-line systems, CICS provides many of the facilities necessary for standard terminal applications: message switching, inquiry, data collection, order entry, and conversational data entry.

CICS is available in three systems--two for DOS users and one for OS users. Because the two CICS/DOS systems are compatible with each other and with the CICS/OS system, it is possible to start with a small data base/data communication configuration and move up through DOS into OS.

The information contained in this manual is of interest to persons maintaining and modifying the operation of the CICS/DOS-STANDARD system. Manual, 292 pages

LY20-0714

CUSTOMER INFORMATION CONTROL SYSTEM (CICS) OPERATING SYSTEM STANDARD VERSION 2 - FEATURE NUMBER 8142 - LOGIC MANUAL PROGRAM NUMBER 5734-XX7
The IBM Customer Information Control System (CICS) is a transaction-oriented, multiapplication data base/data communication interface between a System/360 or System/370 operating system and user-written application programs. Applicable to most online systems, CICS provides many of the facilities necessary for standard terminal applications: message switching, inquiry, data collection, order entry, and conversational data entry.

CICS is available in three systems - two for DOS users and one for OS users. Because the two CICS/DOS systems are compatible with each other and with the CICS/OS system, it is possible to start with a small data base/data communication configuration and move up through DOS into OS.

The information contained in this manual is of interest to persons maintaining and modifying the operation of the CICS/OS-STANDARD V2 system. Program Product Logic Manual, 200 pages

LY20-0716

IBM DISK OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL - MULTITHREAD (DOS FASTER MT) - SYSTEM MANUAL - PROGRAM NUMBER 5736-G24
Discussing each system routine and its function within the basic components identified as Line Control, Interface, and Message Processor. Internal controls are described for the benefit of installation programmers or systems engineers. The information in this manual is not needed ordinarily by operators or applications personnel.

Data-control flowcharts, line control flowcharts, and program listings are logical parts of this manual and are made available in machine-readable form. See the Program Directory for a description of the distribution medium. Program product manual, 88 pages

LY20-0717

IBM FASHION REPORTER PROGRAM PRODUCT SYSTEM MANUAL PROGRAM NUMBER 5736-D11
This manual includes program flowcharts, flowchart

narratives, and other information necessary to understand the programming logic used in the IBM Fashion Reporter system. This information will be useful when implementing or modifying this system.

The programs that operate on user data or the inventory file are written in IBM PL/I programming language. Programs which print reports are written in IBM System/360 RPG programming language.

Additional information regarding the system may be found in the following manuals:

- o IBM Fashion Reporter, Program Description Manual (SH20-2053)
- o IBM Fashion Reporter, Operations Manual (SH20-2054) Manual, 134 pages

LY20-0726

SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR THE ELECTRIC UTILITY INDUSTRY SHORT CIRCUIT R0 FEATURE - SYSTEM MANUAL VOLUME VI, FEATURE 8103 - PROGRAM NUMBER 5736-UI2

In order to study the steady state and transient operational characteristics of present and projected interconnected power networks, three digital simulation components are included in the Power System Planning program product: Power Flow, Short Circuit, and Transient Stability. The Short Circuit R0 Feature extends the capabilities of the Short Circuit component.

This manual is designed for use by the system analyst and system programmer. It describes the basic solution technique and its implementation in the Short Circuit R0 Feature. Files and variables are described. A description of each procedure in the Short Circuit R0 Feature is given. Program product manual, 61 pages

LY20-0728

STAT/BASIC FOR INTERACTIVE TERMINAL FACILITY LOGIC MANUAL FEATURE NUMBER 8100 - PROGRAM NUMBER 5734-XA3

STAT/BASIC is a comprehensive set of interactive statistical programs for ITF. It consists of 40 BASIC programs, providing the user with procedures for data generation, elementary statistics, regression and correlation analysis, multivariate analysis, analysis of variance, nonparametric statistics, time series analysis, and biostatistics. The interactive features include instructional messages, flexible control of calculations, extensive error checking, and data editing.

This manual provides program flowcharts, flowchart narrative, and program listings. Program Product Manual, 208 pages

LY20-0729

OS REQUIREMENTS PLANNING EXTENSIONS (PROGRAMMING RPQ EA6264) - SYSTEM MANUAL - PROG. NO. 5799-BA2

The OS Requirements Planning Extensions (Programming RPQ) is a modification of the OS/360 Requirements Planning program product (5734-M51). The extensions add capability and increase the performance of the program product.

This manual includes program flowcharts and flowchart narratives, in addition to information regarding switches, labels, symbols, and register assignment. The manual is intended to aid systems analysts and programmers to install and maintain the OS Requirements Planning Extensions.

The programming RPQ describes in this manual and all licensed materials available for it, are provided by IBM on a special quotation basis only, under the terms of the License Agreement for IBM program products. Your local IBM branch office can advise you regarding the special quotation and ordering procedures. Manual, 178 pages

LY20-0733

BILL PROCESSOR SYSTEMS - IMS/360 BRIDGE, SYSTEM MANUAL PROGRAM NUMBER 5734-XX9

The Bill Processor Systems - IMS/360 Bridge consists of the programs necessary to convert bill processor system files to IMS/360 data bases and to access the converted data bases. The elements which make up the Bill Processor Systems - IMS/360 Bridge are as follows: the descriptor generator (GEN1), the conversion generator (GEN2), the unload module general source code (UNLS), the load program general source code (LOADS), the interface generator (GEN3), and the interface module general source code (INTFS).

This manual includes program flowcharts and flowchart narratives, as well as record layouts for the descriptor file entries. The manual is intended to aid systems analysts and programmers in installing and maintaining the Bill Processor Systems - IMS/360 Bridge programs. Manual, 64 pages

GY20-0738

OS/MVT WITH RESOURCE SECURITY - LOGIC MANUAL PROGRAM NUMBER 360A-SV-007 TYPE 1 EXTENSION

This manual describes the internal logic of the resource security system. Its use is intended for system programmers and for those persons having programming maintenance support responsibility. Manual, 428 pages

LY20-0743

AN APL (OS OR DOS) TEXT EDITOR AND COMPOSER: SYSTEM GUIDE PROG. NO. 5796-PAC, FEATURE NO. 8009

This manual contains information on the design and coding of this system. It includes annotated listings of all functions, tables of their usage, and lists of variables. It is intended to aid in modifying and maintaining the system and in diagnosing error situations. System Guide, 44 pages

LY20-0746

APL/PDTS PROGRAMMING DEVELOPMENT TRACKING SYSTEM SYSTEM GUIDE - IUP NO. 5796-PAD

This manual contains information on the design and coding of this system and has incorporated the contents of Technical Newsletter LN20-6086. This manual includes annotated listings of all functions and variables and their uses. It is intended to aid in modifying and maintaining the system and in identifying error conditions. Manual, 124 pages

LY20-0749

FLIGHT DATA DISPLAY SYSTEM FUNCTIONAL SPECIFICATIONS, IUP PROG. NO. 5796-PAE

This manual describes in some detail, the functional capabilities offered by the Flight Data Display System. It explains system philosophy, broad programming guidelines, data record characteristics and general agent facilities. Manual, 26 pages

LY20-0750

FLIGHT DATA DISPLAY SYSTEM PACKAGE/PROGRAM SPECIFICATIONS IUP PROGRAM NO. 5796-PAE

This manual describes in some detail the programming that comprises this system. The code is described at flowchart level. Input/Output requirements are provided for each program. Manual, 288 pages

LY20-0751

FLIGHT DATA DISPLAY SYSTEM DATA/MACRO/FILE SPECIFICATIONS IUP PROGRAM NO. 5796-PAE

This manual describes in some detail, the data records, the unique macros and the file descriptions used in this system. Manual, 46 Pages

LY20-0755

LOADFLOW PLOTTING SYSTEM, VARIBUS CORPORATION, A GULF STATES UTILITIES COMPANY SYSTEMS GUIDE - IUP NUMBER 5796-AAF
No abstract available.
Systems Guide, 14 pages

LY20-0757

SYSTEM GUIDE FOR S/360/370 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE COMPUTING (MUSIC) - PROGRAM NUMBER 5796-AAT
MUSIC is a time-sharing system that offers a wide variety of facilities in a cost effective environment. It offers many languages and features normally found in larger systems. By combining the full functions of multiple languages and interactive capabilities with demonstrable dependability, MUSIC has proved to be a multipurpose high-performance system suitable for many types of operations, particularly in the Educational Area. For instance, it is currently being used by large city-wide school and university installations in addition to commercial and governmental organizations.

This manual provides the information needed by those persons involved in MUSIC system maintenance and modification. Guide, 72 pages

LY20-0758

DATA DICTIONARY/DIRECTORY SYSTEM WITH DATA ELEMENT GLOSSARY SYSTEM GUIDE - IUP NUMBER 5796-PAG

No abstract available.
Manual, 146 pages

LY20-0761

CONSOLIDATED FUNCTIONS EQUITY PRODUCTS VARIABLE ANNUITIES, MUTUAL FUNDS DATAMANN, INC. - SUBSIDIARY OF HORACE MANN EDUCATORS SPRINGFIELD, ILLINOIS - SYSTEMS GUIDE PROGRAM NUMBER 5796-AAP

This manual contains a description of the system flow of the Consolidated Functions Equity Products system. It is intended to provide the reader with an understanding of the capabilities of the system. Manual, 144 pages

LY20-0762

SCRIPT/370 SYSTEM GUIDE - IUP NUMBER 5796-PAF

SCRIPT/380 is an IBM Installed User Program designed for use with Virtual Machine. Facility/370. It provides text-processing facilities. It executes as a command of the Conversational Monitor System (CMS), a component of VM/370. This document describes the interface between the SCRIPT

program and CMS, the program organization and structure of SCRIPT/370, and the algorithms for text-processing used by it. It is intended for use by programmers who will maintain or modify the system.
Manual, 50 pages

Trust Company for distribution to their Branch Offices. It was designed to answer many of the normal user questions concerning data which is either required as input to or received as output from the system.
Guide

- LY20-0763 *N
CYCLE-TIME SIMULATOR SYSTEM SYSTEMS GUIDE
IUP NUMBER 5796-PBG
This manual contains information on the design and coding of this system. It includes annotated listings of all functions and variables and their uses. It is intended to aid in modifying and maintaining the system and in identifying error conditions.
Manual, 116 pages
- LY20-0764 *N
ADVANCED STATISTICAL ANALYSIS PROGRAM (ASTAP) REFERENCE GUIDE - IUP NUMBER 5796-PBH
This program provides engineers with a powerful tool for use in the design and reliability analysis of linear and nonlinear electrical networks. Although ASTAP is oriented primarily toward the analysis of electronic circuits, it can also be used to simulate any physical system which can be represented by a network model.
The program can be used for performing DC and AC steady-state as well as transient analysis. In addition, a Monte Carlo statistical simulation can be performed in conjunction with DC, AC, or transient analysis to predict the effect of component variations on network performance. A common user-oriented input language is provided for describing the network to be analyzed in any of the above modes.
This Reference Guide describes the network theory and numerical algorithm used by ASTAP. It also relates the algorithms to the code at the functional level.
Guide, 188 pages
- LY20-0765 *N
ADVANCED STATISTICAL ANALYSIS PROGRAM (ASTAP) - LOGIC MANUAL PROGRAM NUMBER 5796-PBH
The ASTAP Logic Manual describes the programming details and structuring of ASTAP. It is designed to aid those persons responsible for maintaining, updating, modifying, and expanding the ASTAP network analysis program. This manual includes descriptions of the general organization of the program as well as the functions performed by each program phase and subroutine.
The ASTAP Logic Manual is complemented by the ASTAP Reference Guide (LY20-0764) which provides an explanation of the algorithms and mathematical techniques used by the program.
Manual, 142 pages
- LY20-0766 *N
IBM WAREHOUSE SIMULATOR SYSTEMS GUIDE - IUP NUMBER 5796-PBK
This manual contains information on the design and coding of Automatic Storage and Retrieval System Program. It describes the algorithm and program logic used in the ASRS/360 program. It includes program listings and is intended to be used in modifying and maintaining the program.
Manual, 22 pages
- LY20-0767 *N
IBM MULTIPLANT SOURCING SYSTEM GUIDE - IUP NUMBER 5796-PBL
IBM Multi-Plant Sourcing is a group of computer programs designed to assist the plants of a multi-plant company in determining the best sources for subproducts manufactured in its plants. The programs develop alternative sourcing decisions taking into consideration such factors as work load, duty and taxes, balance of trade, and export of dollars. This manual contains logic flowcharts and descriptive narratives for the programs. The information in this manual is intended to be used as an aid in making modifications, diagnosing error situations, and performing maintenance work.
Manual, 84 pages
- LY20-0769 *N
DEMAND DEPOSIT ACCOUNTING WITH OVERDRAFT BANKING SYSTEM/360-370 DOS - THE PLANTERS NATIONAL BANK AND TRUST COMPANY ROCKY MOUNT, NORTH CAROLINA SYSTEM GUIDE - PROG. NO. 5796-ABL
This manual provides information for use in maintaining and making modifications to the system. A detailed description of the DDA Master Record, daily transaction and report records is included. Transaction codes, account types, exception codes and printer layout requirements for special forms are all discussed in detail.
Guide, 122 pages
- LY20-0770 *N
DEMAND DEPOSIT ACCOUNTING WITH OVERDRAFT BANKING SYSTEM/360-370 DOS - THE PLANTERS NATIONAL BANK AND TRUST COMPANY ROCKY MOUNT, NORTH CAROLINA USER'S GUIDE - PROG. NO. 5796-ABL
This manual was prepared by The Planters National Bank and
- LY20-0771 *N
DATA BASE DESIGN EVALUATION (DBPROTOTYPE) PROGRAM SYSTEM GUIDE - IUP NUMBER 5796-PBB
This manual contains information about the internal logic and organization of the DBPROTOTYPE programs. It is intended to help people involved in program maintenance and alteration.
Manual, 180 pages
- LY20-0772 *N
PROGRAMMING LANGUAGE FOR IMS-PLIMS SYSTEM GUIDE - IUP NUMBER 5796-PBF
This document is intended as an aid to systems programmers in making modifications, diagnosing error situations, and performing maintenance work. It describes the components of PLIMS, and it discusses the PLIMS utility program.
Manual, 44 pages
- LY20-0773 *N
IMSMAP - DATA BASE MAPPING PROGRAMS SYSTEM GUIDE - IUP NUMBER 5796-PBC
The IMSMAP - Data Base Mapping Programs, DBMAP and PSEMAP, build and print maps of IMS physical and logical data bases from information contained in the data base description (DBD) and program specification block (PSB), respectively. This manual describes the internal logic of the DBMAP and PSEMAP programs.
Guide, 16 pages
- LY20-0774 *N
BTS (BATCH TERMINAL SIMULATOR) SYSTEMS GUIDE - IUP NUMBER 5796-PBD
This publication describes in detail the Batch Terminal Simulator (BTS), its mode of execution and its component modules. The publication also includes a description of, for example: how to change BTS default values, how to add user-written edit modules, and BTS queues and tables.
Manual, 122 pages
- LY20-0775 *N
TEST IMS UTILITIES PROGRAM SYSTEMS GUIDE - IUP NUMBER 5796-PBE
The test IMS utilities include programs to create a test data base, compare an old and a new version of the same data base, list and/or unload all or part of a data base, and format the fields in a data base segment for printing. This manual describes the internal logic of these programs as well as the program used to create and print the segment description module, which contains a physical description of every segment and field in a data base.
Manual
- LY20-0778 *N
MULTICOLUMN DISTILLATION PROGRAM SYSTEMS GUIDE - IUP NUMBER 5796-PAH
The Multicolumn Distillation Program is a fast, efficient, and versatile program that solves the steady-state distillation problem for one column or for a battery of columns with or without recycle. This manual is directed toward system analysts and programmers with responsibility for the solution of distillation problems. This manual includes (1) descriptions of the algorithms used in the program, (2) brief descriptions for modifying the input, output, and thermodynamic routines, (3) description of the secondary storage, and (4) definitions of all of the variables used in the program.
Manual, 204 pages
- LY20-0787 *N
IBM OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL MULTITHREAD (OS FASTER MT) - LOGIC MANUAL - PROGRAM NUMBER 5734-G21 - FEATURE CODE 8059
This manual details the program logic of FASTER MT, discussing each system routine and its functions within the basic components identified as Line Control, Interface and Message Processor. Internal controls are described for the benefit of installation programmers or systems engineers. The information in this manual is not needed, ordinarily, by operations or applications personnel.
Data-control flowcharts, line-control flowcharts, and program listings are logical parts of this manual and are made available in machine-readable form. See the Application Directory for a description of the distribution medium.
Manual, 92 pages
- LY20-0788 *N
PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS) AUTOMOBILE ENHANCEMENTS - PROGRAM NUMBER 5736-N24 SYSTEM REFERENCE MANUAL

The purpose of this manual is to describe the PALIS Automobile Enhancements program logic and all modifications made to the PALIS Automobile Program (360A-IF-11X), the PALIS Basic Program (360A-IF-10X), and the PALIS Additional Functions program product (5736-N21) to coincide with the enhancements functions. This manual is to be used in conjunction with the PALIS Automobile Premium Processing Program Description and System Manual (GH20-0499), the PALIS Automobile Claims Processing Program Description and System Manual (GH20-0500), the PALIS Basic Program Description and System Manual (GH20-0497), and the PALIS Basic Program Operations Manual (GH20-0498). Manual, 110 pages

LY20-0792

BUDGET ACCOUNTING INFORMATION SYSTEM (BACIS) FOR PUBLIC INSTITUTIONS - LICENSED PROGRAM PRODUCT MANUAL
PROGRAM NUMBER 5736-G25

BACIS is a budget preparation and appropriation accounting system for cities, counties, states, school districts, hospitals, colleges, universities and other public institutions. This manual contains the flowcharts and supporting narrative for the operational logic included within this information system. Manual, 169 pages

LY20-0793

MARKETABLE SECURITIES INVENTORY SYSTEM - LOGIC MANUAL
PROGRAM NUMBER 5799-ABY

The Marketable Securities Inventory System makes it possible to automate the handling of an investment securities portfolio. This programming RPQ is available on special quotation only (see inside front cover). It includes facilities for edit, update, and audit control of all input data relating to the portfolio. Input to the system includes interest income, security market values, trades, and tax adjustments. The system produces reports summarizing activity, portfolio status and performance, and various income and tax accounting information.

This manual contains detailed information on the logic flow and coding of programs useful in modifying the program, diagnosing error situations, and maintaining the program. Program Product Manual

GY20-0795

CALL-OS EXECUTIVE AND UTILITIES SYSTEM MANUAL VOLUME 1
PROGRAM NUMBER 360A-CX-42X

This publication describes the internal logic of the executive and utility programs for the CALL-OS system. This system is a personal time-sharing computing system, which can be run in either an MFT or MVT environment.

This volume contains introductory information, programming conventions, the executive overview, and descriptions of the modules which comprise the executive program.

Note: The CALL/360-OS system has been renamed the CALL-OS system. Thus, documentation of Version 2 of the CALL/360-OS system refers to the system as CALL-OS. Manual, 200 pages

GY20-0796

CALL-OS EXECUTIVE AND UTILITIES SYSTEM MANUAL - VOLUME 2
PROGRAM NUMBER 360A-CX-42X

This publication describes the internal logic of the executive and utility programs for the CALL-OS system. This system is a personal time-sharing computing system, which can be run in either an MFT or MVT environment.

This volume contains a description of the modules which comprise the utility programs.

Note: The CALL/360-OS system has been renamed the CALL-OS system. Thus, documentation of Version 2 of the CALL/360-OS system refers to the system as CALL-OS. Manual, 76 pages

GY20-0797

CALL-OS EXECUTIVE AND UTILITIES SYSTEM MANUAL VOLUME 3
PROGRAM NUMBER 360A-CX-42X

This publication describes the internal logic of the executive and utility programs for the CALL-OS system. This system is a personal time-sharing computing system, which can be run in either an MFT or MVT environment.

This volume contains appendixes which provide a module reference index, control block and data set formats, equivalency codes, character set comparisons, and macro instructions.

Note: The CALL/360-OS system has been renamed the CALL-OS system. Thus, documentation of Version 2 of the CALL/360-OS system refers to the system as CALL-OS. Manual, 220 pages

GY20-0798

CALL-OS EXECUTIVE AND UTILITIES SYSTEM MANUAL VOLUME 4
PROGRAM NUMBER 360A-CX-42X

This publication describes the internal logic of the executive and utility programs for the CALL-OS system. This system is a personal time-sharing computing system, which can be run in either an MFT or MVT environment.

This volume contains all the flowcharts in alphabetical

order according to the symbolic name of the module or subroutine.

Note: The CALL/360-OS system has been renamed the CALL-OS system. Thus, documentation of Version 2 of the CALL/360-OS system refers to the system as CALL-OS. Manual, 636 pages

LY20-0800

PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS) HOME OWNERS ENHANCEMENTS - SYSTEM REFERENCE MANUAL
FEATURE NUMBER 8105 - PROGRAM NUMBER 5736-N25

The Property and Liability Information System Homeowners Enhancements program product provides additional insurance data processing functions for the PALIS user. The Annualization enhancement permits the user to use annual rates in conformity with the MLIRB Annualization program edition 2-70. The Factored Rating enhancement allows the utilization of factors in connection with the rating of basic premium for forms HO-1, HO-2, HO-3, and HO-5. The continuous policy renewal option provides for the maintenance of one physical master record and one policy number for the entire life of a policy by the use of the continuous policy history record. Program logic has been included to provide for claims coverage verification and the creation of a loss face sheet extract which includes sufficient information for the generation of loss statistics. The declarations extract has been enlarged to provide additional premium statistical information.

The purpose of this manual is to describe the PALIS Homeowners Enhancements program logic and all modifications made to the PALIS Additional Functions program (5736-N21) and the PALIS Basic Program (360A-IF-10X) to coincide with the enhancement functions. This manual is to be used in conjunction with the PALIS Homeowners Premium Processing Program Description and System Manual (LY20-0461), the PALIS Homeowners Claims Processing, Program Description and System Manual (LY20-0462), the PALIS Basic Program, Program Description and System Manual (GH20-0497), and the PALIS Basic Program, Operations Manual (GH20-0498). Manual, 108 pages

LY20-0804

MATH/BASIC FOR SYSTEM 3 MODEL 6 AND ITF LOGIC MANUAL
PROG. NOS. 5703-XM2 AND 5734-XMB, FEATURE NOS. 8017 AND 8153

This manual contains the source code listings and the description of the computational blocks which are the basis of the MATH/BASIC routines. Manual, 268 pages

LY20-0808

PLANNING SYSTEMS GENERATOR II (PSG II) DOS LOGIC MANUAL
PROGRAM NUMBER 5736-XT1

Planning Systems Generator II (PSG II) DOS permits the user to rapidly produce and evaluate a variety of financial plans. It offers a simple method for specifying planning data, for establishing computational logic to be applied to the data, and for generating data displays and reports.

PSG II may be applied to the solution of planning problems for financial management and also for any division or department of a company with a planning function such as personnel or manpower planning, marketing projections, budget planning, etc.

Users of this manual should be familiar with the following publications:

Planning Systems Generator II (PSG II) DOS:
Operations Guide (SH20-1164)
Planning Systems Generator II (PSG II) DOS:
Program Reference Manual (SH20-1174)

The purpose of this manual is to assist the systems analyst in maintaining and/or modifying PSG II. Manual, 168 pages

LY20-0809

GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE PL/I QUERY SUPPORT FEATURE
PROGRAM NUMBER 5734-XX1

The following pages provide design and internal logic documentation for the above-named feature. These pages replace correspondingly numbered "reserved" pages in the System Manual provided with the Basic Retrieval System package. Manual

LY20-0819

INTERACTIVE TRAINING SYSTEM LOGIC MANUAL VOLUME I (BASIC PROGRAM) - PROGRAM NUMBER 5734-XXC

No abstract available. Manual, 136 pages

LY20-0820

INTERACTIVE TRAINING SYSTEM LOGIC MANUAL VOLUME 2 (FLOWCHARTS) - PROGRAM NUMBER 5734-XXC

No abstract available. Manual, 444 pages

- LY20-0821 *N
INTERACTIVE TRAINING SYSTEM LOGIC MANUAL COURSE STRUCTURING
FEATURE - PROGRAM NUMBER 5734-XXC
 No abstract available.
 Manual
- LY20-0823 *N
DATA/360 - II LOGIC MANUAL - PROGRAM NUMBER 5734-XS8
 No abstract available.
 Manual, 116 pages
- LY20-0825 *N
SECURITIES ORDER MATCHING LOGIC MANUAL FEATURE NUMBER 8113
PROGRAM NUMBER 5734-F32
 This logic manual contains the detailed descriptions and program flowcharts of the Securities Order Matching (SOM) internal program modules. Its primary purpose is for those users who are modifying the system for their installations and for those engaged in maintaining the program.
 Securities Order Matching operates in a multiprogramming environment under the Telecommunications Control System (TCS) and the Operating System (OS). It permits users in the securities industry to record and match orders and executions automatically through an online system during the trading day. The use of 2260 Display Stations provides exceptions clerks with the ability to communicate with the SOM online system and its files to resolve problems as they occur. SOM also provides the user with daily trading reports for wire and order rooms, produces input to the back office processing, and provides additional input for optional user-written programs and reports.
 Manual, 549 pages
- LY20-0826 *N
MPSX AND GENERALIZED UPPER BOUNDING LOGIC MANUAL - PROGRAM
NUMBER 5734-XM4
 No abstract available.
 Manual, 62 pages
- LY20-0829 *N
INTERACTIVE QUERY FACILITY (IQF) TO IMS/360 SYSTEM MANUAL
VOLUME V - PROGRAM NUMBER 5736-XX6
 No abstract available.
 Manual, 494 pages
- LY20-0835 *N
EPIC: SOCRATES LOGIC MANUAL - PROGRAM NUMBER 5735-E91
 No abstract available.
 Manual
- LY20-0837 *N
EPIC: BUDGET/FINANCE LOGIC MANUAL - PROGRAM NUMBER 5735-E93
 No abstract available.
 Manual, 188 pages
- LY20-0840 *N
BUSINESS ANALYSIS/BASIC LOGIC MANUAL
PROGRAM NOS. 5703-XM3 (S/3 MODEL 6) AND 5734-XMB (ITF-OS,
DOS AND TSO)
 Business Analysis/BASIC contains 30 routines which permit the user to interact with the computer. All routines are written in the BASIC language for implementation on the System/3 Model 6, and ITF (OS, DOS, TSO). The routines are designed to ask the user to enter his problem parameters and data and to make decisions at key points in the analysis. Options are provided for enhanced operating convenience and flexibility.
 This manual provides the logic description, functional flowchart, and program listings for each routine included in the package.
 Manual, 208 pages
- LY20-0842 *N
TELECOMMUNICATIONS CONTROL SYSTEM (TCS) LOGIC MANUAL FEATURE
NUMBER 8112 - PROGRAM NUMBER 5734-F31
 This manual describes the internal program logic and operation of the Telecommunications Control System (TCS). The general description section contains the functional and logical concepts of TCS and places the program in perspective relative to the Operating System (OS) and the Telecommunications Access Method (TCAM). This section also defines the audience for which this manual was intended and the background knowledge required.
 Additional sections are included on method of operation, program organization, and the edit application program. The last section contains program flowcharts.
 Manual, 590 pages
- LY20-0845 *N
HEALTH CARE SUPPORT/ELECTROCARDIOGRAM (ECG) ANALYSIS
PROGRAM LOGIC MANUAL - PROG NOS. 5734-H11 (OS, OS/VVS)
5736-H15 (DOS, DOS/VVS)
 The Health Care Support/Electrocardiogram (ECG) Analysis Program provides batch processing for the computerized analysis of electrocardiograms. The program is written in
- Basic Assembler Language and PL/I.
 This publication contains flowcharts for all program routines, layouts of common area variables, and storage allocations for all routines. It is intended for use by programmers wishing to learn more about the program operation and for those engaged in program modification.
 Manual, 124 pages
- LY20-0848 *N
EPIC:FAST STUDENT TESTING SYSTEM FOR EDUCATIONAL
INSTITUTIONS LOGIC MANUAL - PROGRAM NUMBER 5735-E92
 EPIC: FAST consists of a series of interrelated programs that address the scoring, analysis and reporting tasks of standardized test results. The program product is designed to operate under OS or DOS, on a System/360 or System/370, to operate on an IBM 1130 or to operate on a System/3.
 This manual presents the internal logic of the FAST programs through flowcharts and narrative. The content is intended specifically for systems engineers, analysts, and installation programmers who may be modifying the system or converting from an earlier FAST development. The manual is not required for operating.
 Manual, 216 pages
- LY20-0859 *N
ALPHA SEARCH INQUIRY SYSTEM LOGIC MANUAL - PROGRAM PRODUCT
5736-N14
 This manual provides detailed flowcharts of each of the programs and subroutines which comprise the Alpha Search Inquiry System. Register usage, core allocation, and program switches are also defined.
 Manual, 160 pages
- SY20-0880 *N
IBM VIRTUAL MACHINE FACILITY/370 CONTROL PROGRAM (CP)
PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5749-010
 This publication describes the internal logic of the VM/370 control program. Major sections discuss:
 o The functions of the control program
 o The control program's modules
 o The control program's data areas
 Diagnostic information is also included.
 This publication is intended for IBM personnel responsible for program maintenance.
 Prerequisites for a thorough understanding and for the effective use of this publication are:
 IBM System/360 Principles of Operation, GA22-6821
 IBM System/370 Principles of Operation, GA22-7000
 OS Assembler Language, GC28-6514
 For titles and abstracts of other associated publications, see the IBM System/360 and System/370 Bibliography, GA22-6822.
 Manual, 572 pages
- SY20-0881 *N
IBM VIRTUAL MACHINE FACILITY/370 CONVERSATIONAL MONITOR
SYSTEM (CMS) PROGRAM LOGIC - PROGRAM NUMBER 5749-010
 This publication describes the internal logic of the Conversational Monitor System (CMS). Major sections discussed:
 o The functions of CMS
 o CMS method of operation
 o CMS data areas
 Prerequisites for a thorough understanding and for the effective use of this publication are:
 IBM System/360 Principles of Operation, GA22-6821
 IBM System/370 Principles of Operation, GA22-7000
 OS Assembler Language, GC28-6514
 For titles and abstracts of other associated publications, see the IBM System/360 and System/370 Bibliography, GA22-6822.
 Manual, 604 pages
- SY20-0882 *N
IBM VIRTUAL MACHINE FACILITY/370 SERVICE ROUTINES
PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5749-010
 This publication describes the program logic for the nine VM/370 service routines. Each service routine is described in its own chapter and each chapter contains an introduction, a method of operation section, a program organization section, a directory, a data areas section, and a diagnostic aids section.
 The nine service aids that are described in this publication are: EREP (the ENVIRONMENTAL Recording, Editing and Printing Program), the 2780 Spool Remote Program, the Minidisk Initialization Program, the VDUMP (Virtual Dump) program, the Directory Program, the Format Program, the DASD DUMP Restore Program, the IVP (Installation Verification Procedure) and the maintenance procedures.
 In this publication, the term "3330 series" is used in reference to both the IBM 3330-1 Disk Storage Facility and the IBM 3333-1 Disk Storage Facility.
 Refer to the following publications for related material:
 o IBM Virtual Machine Facility/370, Command Language User's Guide, GC20-1804
 o IBM Virtual Machine Facility/370, OTSEP and Error Recording Guide, GC20-1809
 o IBM Virtual Machine Facility/370, Operator's

- o Guide, GC20-1806
 - o IBM Virtual Machine Facility/370, Planning and System Generation Guide, GC20-1801
 - o IBM Virtual Machine Facility/370, System Messages, GC20-1808
- Manual, 320 pages

LY20-0921

***N**
RESPONSIBILITY ACCOUNTING SYSTEM - THE PHILADELPHIA NATIONAL BANK - SYSTEM GUIDE - PROG. NO. 5796-ACA
 The RESPONSIBILITY ACCOUNTING SYSTEM is a general ledger, cost accounting and budget performance monitoring system. It is implemented in a batch environment utilizing the Data Language/I facility of the Information Management System program product.
 This manual contains detailed program logic descriptions.
 Manual, 170 pages

LY20-1200

***N**
CPS UNDER TSO LOGIC MANUAL (PRPQ) - PROGRAM NUMBER 5799-ADY
 No abstract available.
 Manual, 218 pages

GY21-0001

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT FORTRAN IV (16K CARD) PROGRAM LOGIC MANUAL PROGRAM NUMBER 360P-FO-205
 A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.
 Systems Reference Library Manual, 160 pages

GY21-0004

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT DISTRIBUTION PROGRAM, PROGRAM NUMBER 360P-UT-208
 A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.
 Systems Reference Library Manual, 36 pages

GY21-0012

OS BSAM LOGIC FOR IBM 1419/1275
 This publication describes the logic of the basic sequential access method (BSAM) routines required to use the IBM 1419 Magnetic Character Reader and the IBM 1275 Optical Reader with the MFT, MVT, and VS options of the operating system (OS). It is intended for IBM customer engineers and for programmers who must understand or modify 1419/1275 BSAM routines.
 A general understanding of OS and data management and an understanding of how to write 1419/1276 programs is required to use this publication. See OS 1419/1275 Data Management Macro Instructions and Services, GC21-5006, for information on how to write programs for the 1419 and the 1275.
 Manual, 82 pages

GY21-0013

OS DATA MANAGEMENT MACRO LOGIC FOR IBM 1285/1287/1288
 This publication describes the internal program logic for the MFT, MVT, VS1, and VS2 support of the IBM 2385, the IBM 1287, and the IBM 1288. The support includes modules to read documents with BSAM and journal tapes with QSAM.
 This publication is intended for use by IBM programming systems representatives involved in program maintenance and by programmers needing information on the logic of the 1285/1287/1288 data management routines.
 Manual, 91 pages

LY21-0014

IBM DOS RPG II LANGUAGE PROGRAM LOGIC MANUAL PROGRAM NUMBER 5736-RG1
 This publication describes the internal logic of the RPG II compiler, object program, and formatted dump program. It is intended as a recall mechanism and a debugging aid. As a debugging aid, this manual serves best as a guide to sequences of instructions found in the coding of the program.
 This manual is divided into three parts describing the internal logic of the RPG II program. The first part describes the RPG II compiler, the second part describes the object program, and the third part the RPG II formatted dump program. Each part includes the following areas:

- o Introduction.
- o Method of Operation.
- o Program Organization.
- o Directory.

- o Data Areas.
- The information necessary to implement the program is not included in this publication.
 Manual, 240 pages

LY21-0021

***N**
IBM SYSTEM/360 IBM 1288 BASIC UNFORMATTED READ SYSTEM PROGRAM LOGIC MANUAL PROGRAM NUMBER 5736-UT1
 This publication describes the internal logic of the data capture program. This includes the following areas:
 Method of operation
 Program organization
 Data area formats
 This manual is intended as a recall mechanism and a debugging aid. It does not include information necessary to implement the program.
 Program Logic Manual, 88 pages

LY21-0022

IBM 1288 BASIC UNFORMATTED READ SYSTEM (MFT/MVT/VS1/VS2): LOGIC MANUAL, PROG. NO. 5734-UT3
 This PLM is written primarily for persons responsible for the maintenance of the program. It is intended as a recall mechanism and a debugging aid. As a debugging aid, this manual serves best as a guide to sequences of instructions found in the coding of the program.
 This publication describes the internal logic of the IBM 1288 Basic Unformatted Read System and includes the following items:
 -Method of Operation
 -Program Organization
 -Data Area Formats
 The information necessary to implement the program is not included in this publication.
 Program Logic Manual, 88 pages

LY24-3606

IBM EMULATOR FOR HONEYWELL SERIES 200 ON SYSTEM/370 USING DOS PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5799-ADT
 This publication describes the internal logic of the Honeywell Series 200 Emulator Program, an integrated emulator program, for the IBM System/370 Models 135 and 145. The emulator is a problem program that is executed under control of the IBM Disk Operating System (DOS). The emulator program, together with the appropriate compatibility feature (RPQ S00120 for the Model 135, RPQ S00121 for RPQ S00122 for the Model 145), executes most Honeywell Series 200 object programs without modification on a System/370.
 For additional information, refer to IBM Emulator for Honeywell Series 200 on System/370 Using DOS, GA24-3604. Manual, 375 pages

LY24-3607

***N**
IBM EMULATOR FOR RCA 301 ON SYSTEM/370 USING DOS PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5799-ADR
 This Logic Manual describes the internal logic of the RCA 301 Emulator Program, an integrated emulator program, for the IBM System/370 Model 135 or 145. The emulator program is a problem program that is executed under control of the System/360 Disk Operating System. The emulator program, together with the appropriate compatibility feature (RPQ S00118 for the Model 135, RPQ S00119 for the Model 145), executes most RCA 201 object programs without modification on a System/370.
 For additional information, refer to IBM Emulator for RCA 301 on System/370 Using DOS, GA24-3605. Manual, 375 pages

GY24-5000

IBM SYSTEM/360 BASIC OPERATING SYSTEM DISK ASSEMBLER PROGRAM NUMBER 360B-AS-309
 This publication describes the internal logic of the IBM System/360 Basic Operating System, Disk Assembler Program. It is intended for use by persons involved in program maintenance and by system programmers who are altering the program design. Program logic information is not necessary for the operation of the Disk Assembler Program.
 The titles and abstracts of related publications are listed in the IBM SYSTEM/360 BIBLIOGRAPHY, Order No. GA22-6822.
 Program Logic Manual, 672 pages

GY24-5001

IBM BASIC OPERATING SYSTEM/360 (8K DISK) SORT/MERGE PLM - PROG. NO. 360B-SM-308
 A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.
 Systems Reference Library Manual, 392 pages

- GY24-5002
IBM BASIC OPERATING SYSTEM/360 SYSTEM CONTROL (8K DISK)
PROGRAM NUMBER 360B-CL-302
PROGRAM LOGIC MANUAL
 A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.
 Systems Reference Library Manual, 504 pages
- GY24-5003
BOS LOGICAL IOCS, PROG. NOS. 360B-IO-303, -304, -305
 A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.
 Systems Reference Library Manual, 326 pages
- GY24-5005
IBM SYSTEM/360 BASIC OPERATING SYSTEM REPORT PROGRAM
GENERATOR (8K DISK) PROGRAM NUMBER 360B-RG-307
 A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.
 Systems Reference Library Manual, 412 pages
- GY24-5007
BPS INPUT OUTPUT CONTROL PROGRAM: PLM, PROG. NO. 360P-IO-060
(1231-N1), -059 (1418/1428), -058 (1412/1419)
 This reference manual provides detailed information on the internal logic of the IBM System/360 Basic Programming Support IOCP (Input Output Control Program). It is intended for technical personnel responsible for diagnosing the system operation and/or adapting the programming system to special usage.
 Manual, 186 pages
- GY24-5009
IBM SYSTEM/360 OPERATING SYSTEM COBOL-E
PROGRAM NUMBER 360S-CO-503
 A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.
 Systems Reference Library Manual, 280 pages
- GY24-5010
IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT
BASIC TAPE SYSTEM SYSTEM CONTROL AND IOCS
PROGRAM NUMBER 360P-AS-091
 This publication describes the internal logic of the IOCS/System Control portion of the IBM System/360 Basic Programming Support (BPS) Basic Tape System. This publication discusses the BPS Control System (System Tape), BPS Independent Control System, and Logical and Physical IOCS supporting these systems. It is intended for use by persons involved in program maintenance, and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program. Therefore, distribution of this publication is limited to those with maintenance and alteration requirements.
 Manual, 338 pages
- GY24-5012
IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT TAPE ASSEMBLER
PROGRAM NUMBER 360P-AS-091
 A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.
 Systems Reference Library Manual, 524 pages
- GY24-5013
IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT UNIVERSAL
CHARACTER SET UTILITY PROGRAM PROGRAM NUMBER 360P-UT-048
 This publication describes the internal logic of the Universal Character Set Utility Program for System/360 Basic Programming Support. It is intended for use by persons involved in program maintenance, and system programmers who are altering the program design. Program logic information is not necessary for the use and operation of the program.
 Systems Reference Library Manual, 28 pages
- GY24-5014
IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT
BASIC ASSEMBLER, PROGRAM LOGIC MANUAL
PROGRAM NUMBER 360P-AS-021
 This publication provides detailed information on the internal logic of the IBM System/360 Basic Programming Support Basic Assembler. It is intended for technical personnel who are responsible for analyzing program operation, diagnosing malfunctions, and/or adapting the program to special usage. Program logic information is not necessary for the operation of the program.
 Program Logic Manual, 110 pages
- GY24-5015
IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT BASIC UTILITIES
PROGRAM LOGIC MANUAL
 This manual provides detailed information on the internal logic of the IBM System/360 Basic Programming Support Basic Utilities Programs. It is intended for use by persons involved in program maintenance and by system programmers who are altering the program design. Program logic information is not necessary for the operation of the Basic Utility Programs.
 Systems Reference Library Manual, 136 pages
- GY24-5016
TOS SORT/MERGE PROGRAM LOGIC MANUAL, PROG. NO. 360M-SM-400
 A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.
 Systems Reference Library Manual, 220 pages
- GY24-5017
IBM SYSTEM/360 DISK OPERATING SYSTEM INTRODUCTION TO
DOS LOGIC - PROGRAM NUMBER 360N-CL-453
 This manual is designed to introduce the Disk Operating System and to cross-reference six companion DOS FLMS. These associated publications are listed in the Preface of this manual.
 These publications are intended for persons who are involved in program maintenance or who are altering the program design. Program logic information is not needed for normal use or operation of the system control program. Titles and abstracts of other related publications are listed in the IBM SYSTEM/360 BIBLIOGRAPHY, GA22-6822.
 Program Logic Manual, 80 pages
- GY24-5018
IBM SYSTEM/360, TAPE OPERATING SYSTEM, LOGICAL IOCS,
PROGRAM NUMBER 360M-IO-404, VERSION 2.1
 A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.
 Systems Reference Library Manual, 320 pages
- GY24-5019
IBM SYSTEM/360 TAPE OPERATING SYSTEM UTILITY PROGRAMS
PROGRAM NUMBER 360M-UT-403
 This publication describes the internal logic of the IBM System/360 Tape Operating System Utility programs. It is intended for use by persons involved in program maintenance, and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program.
 Systems Reference Library Manual, 148 pages
- GY24-5020
IBM SYSTEM/360 DISK OPERATING SYSTEM, LOGICAL IOCS,
VOLUME 1 INTRODUCTION PROGRAM LOGIC MANUAL, PROGRAM NUMBERS
CPMOD 360N-CL-453, DAMOD 360N-IO-454, DIMOD 360N-CL-453,
DFPCN 360N-CL-453, ISMOD 360N-IO-457, MRMOD 360N-IO-477,
MRMOD 360N-IO-456, ORMOD 360N-IO-478, PRMOD 360N-CL-453,
PTMOD 360N-IO-458, SDMOD 360N-IO-455
 This reference publication is one of four Program Logic Manuals that describe the internal logic of the Logical

IOCS (Input-Output Control System) programs for the IBM System/360 Disk Operating System. The four related Program Logic Manuals are:

Volume 1: INTRODUCTION, GY24-5020.

Volume 2: UNIT RECORD, MAGNETIC TAPE, AND DEVICE INDEPENDENT FILES, GY24-5087.

Volume 3: SEQUENTIAL AND DIRECT ACCESS DASD FILES, GY24-5088.

Volume 4: INDEXED SEQUENTIAL FILE MANAGEMENT SYSTEM, GY24-5089.

It is intended for persons involved in program maintenance and for system programmers who are altering the program design. Program logic information is not necessary for the operation of the programs described. Therefore, distribution is limited to those with maintenance and alteration responsibilities.

Effective use of this publication requires an understanding of IBM System/360 operation and the Disk Operating System Assembler language and its associated macro definition language. Reference publications for this information are listed in the PREFACE.

For a list of associated publications and their abstracts, see IBM SYSTEM/360 BIBLIOGRAPHY, GA22-6822. Program Logic Manual, 308 pages

GY24-5021

IBM SYSTEM/360 DISK OPERATING SYSTEM SORT/MERGE PROGRAM NUMBER 360N-SM-450

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 384 pages

GY24-5022

IBM SYSTEM/360, TAPE OPERATING SYSTEM, SYSTEM CONTROL, PROGRAM NUMBER 360M-CL-405, VERSION 2

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 624 pages

GY24-5023

IBM SYSTEM/360 DISK OPERATING SYSTEM UTILITIES PROGRAM NUMBERS 360N-UT-461 360N-UT-462 360N-UT-463

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 328 pages

GY24-5025

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS COBOL D PROGRAM LOGIC MANUAL, PROG. NOS. 360M-CB-402, 360N-CB-452

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 328 pages

GY24-5026

IBM SYSTEM/360 TAPE OPERATING SYSTEM AUTOTEST PROGRAM NUMBER 360M-PT-407

This publication describes the internal logic of the IBM System/360 Tape Operating System Autotest program. It is intended for use by persons involved in program maintenance, and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program. Therefore, distribution of this publication is limited to those with maintenance and alteration requirements.

Manual, 226 pages

GY24-5027

IBM SYSTEM/360 DISK OPERATING SYSTEM AUTOTEST PROGRAM NUMBER 360N-PT-459

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended

for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 432 pages

GY24-5032

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS FORTRAN IV PROGRAM NUMBER 360M-FO-409 PROGRAM NUMBER 360N-FO-451

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 156 pages

GY24-5037

IBM SYSTEM/360, BASIC PROGRAMMING SUPPORT, REPORT PROGRAM GENERATOR FOR PUNCHED CARD EQUIPMENT PROGRAM NUMBER 360P-RG-200

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 296 pages

GY24-5045

DOS AND TOS UTILITIES MACROS - PROGRAM LOGIC MANUAL PROGRAM NUMBERS 360M-UT-411, 360N-UT-471

This publication describes the internal logic of the IBM DOS and TOS Utility Macros. It is intended for persons involved in program maintenance and for system programmers who are altering the program design. Program logic information is not necessary for the operation of the programs.

These utility macros support file-to-file operations

among the following devices:

- o IBM 2501 Card Reader
 - o 1442 Card Read Punch
 - o 2520 Card Read Punch
 - o 2540 Card Read Punch
 - o 1052 Printer Keyboard
 - o 1403 Printer
 - o 1404 Printer (continuous forms only)
 - o 1443 Printer
 - o 1445 Printer
 - o 3211 Printer (optional features not supported)
 - o 2311 Disk Storage Unit (DOS)
 - o 2314 Direct Access Storage Facility (DOS)
 - o 2319 Disk Storage (DOS)
 - o IBM 2495 Tape Cartridge Reader (DOS)
 - o 2400 Series Magnetic Tape Unit
 - o 3420 Magnetic Tape Unit (DOS only)*. For tape input and/or output, the utility macros require the optional Supervisor "set mode" facility.
- *Note: 3420 support is provided only to a level equal to that of the 2400 series. This means that only 6 bytes of sense information are available, instead of the full 20.

Effective use of this publication requires an understanding of IBM System/360 operating principles, and of the IBM System/360 Disk and Tape Operating System. Reference publications for this information are listed in the preface of this publication.

Titles and abstracts of other related publications are listed in the IBM System/360 and System/370 Bibliography, GA22-6822.

Manual, 110 pages

GY24-5056

IBM SYSTEM/360 TAPE OPERATING SYSTEM ON-LINE TEST EXECUTIVE PROGRAM - PROGRAM NUMBER 360M-DN-418

This reference publication describes the internal logic of the IBM System/360 Tape Operating System, On-Line Test Executive Program (OLTEP). It is for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation and use of the system; therefore, distribution is limited to those with maintenance and alteration requirements.

Titles and abstracts of related publications are listed in the IBM System/360 and System/370 Bibliography, GA22-6822.

Program Logic Manual, 80 pages

GY24-5079

IBM SYSTEM/360 DISK OPERATING SYSTEM LIBRARIAN MAINTENANCE AND SERVICE PROGRAMS PROGRAM NUMBER 360N-CL-453

This reference publication describes the internal logic of the IBM System/360 Disk Operating System, Librarian Maintenance and Service Programs. It is intended for use

by persons involved in program maintenance and by system programmers who are altering the program design. Program logic information is not needed for normal operation of the Librarian Programs. It is designed to be used as a supplement to the program listing.

Effective use of this manual requires an understanding of IBM System/360 operation and of IBM System/360 Disk Operating System control and service programs, macro instructions, and operating procedures. Reference publications for this information are listed in the Preface of this manual.

For overall system control logic description, this Program Logic Manual is to be used with four other PLMs:

IBM SYSTEM/360 DISK OPERATING SYSTEM, INTRODUCTION TO SYSTEM CONTROL AND SERVICE PROGRAMS, GY24-5017.

IBM SYSTEM/360 DISK OPERATING SYSTEM, IPL AND JOB CONTROL PROGRAMS, GY24-5086.

IBM SYSTEM/360 DISK OPERATING SYSTEM, SUPERVISOR AND PHYSICAL TRANSIENTS, GY24-5151.

IBM SYSTEM/360 DISK OPERATING SYSTEM, LOGICAL TRANSIENT PROGRAMS PLM, GY24-5152.

IBM SYSTEM/360 DISK OPERATING SYSTEM, SYSTEM SERVICE PROGRAMS PLM, GY24-5153.

IBM SYSTEM/360 DISK OPERATING SYSTEM, LINKAGE EDITOR, GY24-5080.

Titles and abstracts of other related publications are listed in the IBM SYSTEM/360 BIBLIOGRAPHY, GA22-6822. Program Logic Manual, 292 pages

GY24-5080

IBM SYSTEM/360 DISK OPERATING SYSTEM LINKAGE EDITOR PROGRAM PROGRAM NUMBER 360N-CL-453

This publication describes the internal logic of the IBM System/360 Disk Operating System, linkage editor program. It is intended for use by persons involved in program maintenance and by system programmers who are altering the program design. It is designed to be used as a supplement to the program listing.

Effective use of this manual requires an understanding of IBM System/360 operation and of IBM System/360 Disk Operating System control and service programs, macro instructions, and operating procedures. Reference publications for this information are listed in the PREFACE of this manual.

For overall system control logic description, this PLM is to be used with five other PLMs:

1. IBM SYSTEM/360 DISK OPERATING SYSTEM, INTRODUCTION TO SYSTEM CONTROL PROGRAMS, Form GY24-5017.
2. IBM SYSTEM/360 DISK OPERATING SYSTEM, IPL AND JOB CONTROL PROGRAMS, Form GY24-5086.
3. IBM SYSTEM/360 DISK OPERATING SYSTEM, SUPERVISOR AND PHYSICAL AND LOGICAL TRANSIENTS, Form GY24-5084.
4. IBM SYSTEM/360 DISK OPERATING SYSTEM, LIBRARIAN MAINTENANCE AND SERVICE PROGRAMS, Form SY24-5079.
5. IBM SYSTEM/360 DISK OPERATING SYSTEM, LOGICAL IOCS, VOLUME 1: INTRODUCTION, Form GY24-5020.

Titles and abstracts of other related publications are listed in the IBM SYSTEM/360 Bibliography, Form GA22-6822. Program Logic Manual, 112 pages

GY24-5086

IBM SYSTEM/360 DISK OPERATING SYSTEM IPL AND JOB CONTROL PROGRAMS PROGRAM NUMBER 360N-CL-453

This reference publication describes the internal logic of the IBM System/360 Disk Operating System, Initial Program Load (IPL) and Job Control Programs. It is intended for use by persons involved in program maintenance and by system programmers who are altering the program design. It is designed to be used as a supplement to the program listing.

Effective use of this manual requires an understanding of IBM System/360 operation and of IBM System/360 Disk Operating System control and service programs, macro instructions, and operating procedures. Reference publications for this information are listed in the Preface of this manual.

For overall system control logic description, this PLM is to be used with four other PLMs:

1. IBM SYSTEM/360 DISK OPERATING SYSTEM, INTRODUCTION TO SYSTEM CONTROL AND SERVICE PROGRAMS, Form GY24-5017.
2. IBM SYSTEM/360 DISK OPERATING SYSTEM, SUPERVISOR AND PHYSICAL AND LOGICAL TRANSIENT PROGRAMS, Form GY24-5084.
3. IBM SYSTEM/360 DISK OPERATING SYSTEM, LIBRARIAN MAINTENANCE AND SERVICE PROGRAMS, Form GY24-5079.
4. IBM SYSTEM/360 DISK OPERATING SYSTEM, LINKAGE EDITOR, Form GY24-5080.

Program Logic Manual, 216 pages

GY24-5087

IBM SYSTEM/360 DISK OPERATING SYSTEM LOGICAL IOCS VOLUME 2: UNIT RECORD, MAGNETIC TAPE AND DEVICE INDEPENDENT FILES PROGRAM LOGIC MANUAL

This reference publication is one of four Program Logic Manuals that describe the internal logic of the Logical IOCS (Input/Output Control System) programs for the IBM System/360 Disk Operating System. The four related Program Logic Manuals are:

Volume 1: INTRODUCTION, GY24-5020.

Volume 2: UNIT RECORD, MAGNETIC TAPE, AND DEVICE INDEPENDENT FILES, GY24-5087.

Volume 3: SEQUENTIAL AND DIRECT ACCESS DASD FILES, GY24-5088.

Volume 4: INDEXED SEQUENTIAL FILE MANAGEMENT SYSTEM, GY24-5089.

This manual is intended for persons involved in program maintenance and by system programmers who are altering the program design. Program logic information is not necessary for the operation of the programs described.

Effective use of this publication requires an understanding of IBM System/360 operation and the Disk Operating System Assembler language and its associated macro definition language. Reference publications for this information are listed in the PREFACE.

For the titles and abstracts of other related publications, refer to the IBM SYSTEM/360 BIBLIOGRAPHY, GA22-6822.

Program Logic Manual, 389 pages

GY24-5088

IBM SYSTEM/360 DISK OPERATING SYSTEM, LOGICAL IOCS VOLUME 3: SEQUENTIAL AND DIRECT ACCESS DASD FILES, (PROGRAM NUMBERS: SDMOD 360N-IO-455 DAMOD 360N-IO-454) PROGRAM LOGIC MANUAL

This reference publication is one of four Program Logic Manuals that describe the internal logic of the Logical IOCS (Input/Output Control System) programs for the IBM System/360 Disk Operating System. The four related Program Logic Manuals are:

Volume 1: INTRODUCTION, GY24-5020.

Volume 2: UNIT RECORD, MAGNETIC TAPE, AND DEVICE INDEPENDENT FILES. GY24-5087.

Volume 3: SEQUENTIAL AND DIRECT ACCESS DASD FILES, GY24-5088.

Volume 4: INDEXED SEQUENTIAL FILE MANAGEMENT SYSTEM, GY24-5089.

This manual is intended for use by persons involved in program maintenance and by system programmers who are altering the program design. Program logic information is not necessary for the operation of the programs described. Therefore, distribution is limited to those with maintenance and alteration responsibilities.

Effective use of this publication requires an understanding of IBM System/360 operation and the Disk Operating System Assembler language and its associated macro definition language. Reference publications for this information are listed in the Preface.

For the titles and abstracts of other related publications, refer to the IBM SYSTEM/360 BIBLIOGRAPHY, GA22-6822.

Program Logic Manual, 356 pages

GY24-5089

DOS LIOCS VOLUME 4: ISFMS - PROGRAM NUMBER 360N-IO-457
This reference publication is one of four Program Logic Manuals that describe the internal logic of the Logical IOCS programs for the IBM Disk Operating System. The four related Program Logic Manuals are listed below.

Note: Although titles of some DOS publications have been simplified, the change does not affect the contents of the publications.

Volume 1. Introduction, GY24-5020

Volume 2. Unit Record, Magnetic Tape, Device Independent Files, GY24-5087

Volume 3. SAM and DAM for DASD, GY24-5088

Volume 4. ISFMS, GY24-5089

It is intended for use by persons involved in program maintenance and by system programmers who are altering the program design. Program logic information is not necessary for the operation of the programs described.

Effective use of this publication requires an understanding of system operation, assembler language, and its associated macros. Reference publications for this information are listed in the Preface.

For the titles and abstracts of other related publications, refer to the IBM System/360 and System/370 Bibliography, GA22-6822.

Manual, 396 pages

GY24-5096

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT MODULAR FILE MAINTENANCE PROGRAM - PROGRAM NUMBER 360P-UT-219

This publication describes the internal logic of the Modular File Maintenance Program for IBM System/360 Basic Programming Support. It is intended for use by persons involved in program maintenance and by system programmers who are altering the program design. Program logic information is not necessary for the operation and use of the system.

Systems Reference Library Manual, 32 pages

GY24-5151

IBM SYSTEM/360 DISK OPERATING SYSTEM SUPERVISOR AND PHYSICAL TRANSIENTS - PROGRAM LOGIC MANUAL
PROGRAM NUMBER 360N-CL-453

This reference publication describes the internal logic of the IBM System/360 Disk Operating System, Supervisor and Transients Programs. It is for persons involved in program maintenance and system programmers altering the program design. Program logic information is not needed for normal operation of these programs. This publication is a supplement to the program listing.

Effective use of this manual requires an understanding of IBM System/360 operation and of IBM System/360 Disk Operating System control and service programs, macro instructions, and operating procedures. Reference publications for this information are listed in the PREFACE of this manual.

Program Logic Manual, 300 pages

GY24-5152

IBM SYSTEM/360 DISK OPERATING SYSTEM LOGICAL TRANSIENT PROGRAMS

This reference publication describes the internal logic of the IBM System/360 Disk Operating System, Logical Transient Programs. It is for persons involved in program maintenance and for system programmers who are altering the program design. Program logic information is not needed for normal operation of these programs.

Effective use of this manual requires an understanding of IBM System/360 operation and of IBM System/360 Disk Operating System control and service programs, macro instructions, and operating procedures. Reference publications for this information are listed in the PREFACE of this manual.

Titles and abstracts of other related publications are listed in the IBM SYSTEM/360 BIBLIOGRAPHY, GA22-6822.

Program Logic Manual, 200 pages

GY24-5153

IBM SYSTEM/360 DISK OPERATING SYSTEM SYSTEM SERVICE PROGRAMS

This reference publication describes the internal logic of supervisor-interrelated service programs of the IBM System/360 Disk Operating System.

This manual is intended for persons involved in program maintenance and for system programmers altering the program design. Program logic information is not needed for normal use or operation of the system control program. It is designed as a supplement to the program listing.

Its effective use requires an understanding of IBM System/360 operation and of IBM System/360 Disk Operating System control and service programs, macro instructions, and operating procedures. Reference publications for this information are listed in the PREFACE of this manual.

Program Logic Manual, 200 pages

GY24-5154

DOS OLTEP LOGIC

This reference publication describes the internal logic of the IBM System/360 Disk Operating System On-Line Test Executive Program (OLTEP). It is for persons involved in program maintenance and programmers who are altering the program design.

For titles and abstracts of associated publications, see the IBM SYSTEM/360 AND SYSTEM/370 BIBLIOGRAPHY (GA22-6822).

Manual, 172 pages

SY24-5155

OS/VS1 SUPERVISOR LOGIC

This manual describes the purpose and function of the VS1 supervisor and its relationship to the control program. The major areas of the supervisor are identified as interrupt management, task management, contents management, virtual storage management, page management, timer management, and overlay management. Each of the routines related to these functions, the data areas used by the supervisor, and the diagnostic aids for maintaining the system are described in detail. Two appendixes provide information on Program Fetch, time slicing, shared DASD, extended precision floating point decimal simulator, generalized trace facility, and system management facility.

This manual does not discuss I/O supervision, checkpoint/restart, or recovery management services.

Persons interested in determining sources of errors within or making changes to the internal logic of the VS1 supervisor should read this manual. This manual is also written as a reference tool for educational purposes. Readers must be familiar with programming techniques and the operating principles of VS1.

Prerequisite reading: IBM System/370 System Summary. Manual, 300 pages

SY24-5156

OS/VS1 I/O SUPERVISOR LOGIC MANUAL

This manual describes the internal logic of the OS/VS I/O supervisor. It is intended to be used by program support customer engineers and system programmers who alter program design.

The I/O supervisor starts, monitors, and, when necessary, restarts I/O operations.

This manual is comprised of 7 sections:

1. Introduction: Informs you of the I/O supervisor's services and overall operation.
2. Method of Operation: Provides high level HIPO (Hierarchy plus Input-Process-Output) diagrams that describe the operation of the I/O supervisor and guide you into the program listing.
3. Program Organization: Contains functional organization charts of the I/O supervisor, and flowcharts of new or particularly complex routines.
4. Directories: Provides cross-reference lists.
5. Data Areas: Contains descriptions of the data areas that are used primarily by the I/O supervisor.
6. Diagnostic Aids: Contains information to help you interpret the program listing.
7. Appendixes: Supplements both this manual and the program listing. Included are descriptions of SVC routines and optional features, error recording information, error recovery routines, list of abbreviations, and a glossary.

Manual, 184 pages

SY24-5159

OS/VS1 CHECKPOINT/RESTART LOGIC

Provides a reference to the checkpoint and restart routines for persons involved in program maintenance, and for system programmers who are altering the program design.

Sections included give a brief introduction, major functions, control flow, pointers to the listings, data areas used, and messages issued by the checkpoint and restart routines.

Prerequisite Publications:

- o OS/VS Checkpoint/Restart, GC26-3784
- o OS/VS Job Management Services, GC28-0617

Manual, 36 pages

SY24-5160

OS/VS1 IPL AND NIP LOGIC

Describes the internal logic of the OS/VS1 Initial Program Loader (IPL) and Nucleus Initialization Program (NIP) for persons involved in program maintenance, and for system programmers who are altering the program design.

Sections included in this reference manual provide the reader with introductory information about IPL and NIP, their functions, their routines, cross-references to the listings, data areas used, messages issued, and possible wait state codes.

Prerequisite Publications:

- o IBM System/370 System Summary, GA22-7001.
- o OS/VS1 Planning and Use Guide, GC24-5090.

Program Logic Manual, 152 pages

SY24-5161

OS/VS1 JOB MANAGEMENT LOGIC MANUAL

This publication is intended for persons maintaining OS/VS1 job management modules. The job management elements are the initiator, interpreter, master scheduler, allocation, termination, scheduler SMF, and communications task.

This publication gives an overview of the job management functions as well as showing functional system flow to illustrate the functions performed by the various job management modules.

Section 1 introduces the concepts of job management. Section 2 presents an hierarchal overview of the job management functions. Section 3 contains functional flow diagrams illustrating how the job management functions are performed. Section 4 contains cross-reference directories. Section 5 describes data areas used only by the OS/VS1 scheduler. Section 6 gives diagnostic aids. The appendix is a dictionary of abbreviations used in the manual.

Prerequisite publications are:

- o OS/VS JCL Services, GC28-0617
- o OS/VS Supervisor Services and Macro Instructions, GC27-6979
- o OS/VS1 Planning and Use Guide, GC24-5090

Program Logic Manual, 450 pages

GY26-3598

IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER (32K) PROGRAM LOGIC MANUAL
PROGRAM NUMBER 360S-AS-036

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 126 pages

GY26-3642

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS ASSEMBLER (D)
PROGRAM NUMBER 360M/N-AS-465

This publication describes the internal logic of the D Assembler for the IBM System/360 Disk and Tape Operating Systems. It is intended for use by persons involved in program maintenance, and by systems programmers who are altering the program design.
Program Logic Manual, 159 pages

GY26-3700

IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER (F)
PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-AS-037

This publication describes the internal logic of the F Assembler for the IBM System/360 Operating System. It is intended for use by persons involved in program maintenance and by system programmers who are altering the program design.
Program Logic Manual, 120 pages

GY26-3701

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEM REPORT
PROGRAM GENERATOR PROGRAM NUMBERS 360N-RG-460 (DISK)
360M-RG-408 (TAPE)

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.
Program Logic Manual, 132 pages

GY26-3704

IBM SYSTEM/360 OPERATING SYSTEM REPORT PROGRAM GENERATOR
PROGRAM NUMBER 360S-RG-038

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.
Program Logic Manual, 132 pages

GY26-3716

IBM SYSTEM/360 DISK OPERATING SYSTEM ASSEMBLER (F)
PROGRAM NUMBER 360N-AS-466

This publication describes the internal logic of the (64K) Assembler for the IBM System/360 Disk Operating System. It is intended for use by people involved in program maintenance and by system programmers who are altering the program design. Since program logic information is not necessary for the use and operation of the assembler, distribution of this publication is limited to these people.
Manual, 126 pages

LY26-3737

IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION
ASSEMBLER PROMPTER PROGRAM LOGIC MANUAL
PROGRAM NUMBER 5734-CP2

This manual describes the assembler prompter, a program product that operates only under the Time Sharing Option (TSO) of the IBM System/360 Operating System.
The assembler prompter consists of two modules that interact with the TSO terminal monitor program (TMP), the parse service routine (IKJPARS), the dynamic allocation interface routine (IKJDAIR), the PUTLINE service routine, and the stack service routine. This manual discusses how the assembler prompter interacts with these routines to analyze the ASM command and to allocate data sets required by the assembler. It also discusses how the prompter passes control to the assembler.

The manual assumes that the reader knows the ASM command, its operands, and how to use the command as described in the IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION ASSEMBLER PROMPTER USER'S GUIDE (SC26-3740). The book also assumes that the reader is familiar with the assembler language and the concepts of TSO as described in: IBM SYSTEM/360 OPERATING SYSTEM: ASSEMBLER LANGUAGE (GC28-6514)

IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION GUIDE (GC28-6698)

IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION COMMAND LANGUAGE REFERENCE (GC28-6732)

IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION GUIDE TO WRITING A TERMINAL MONITOR PROGRAM OR A COMMAND PROCESSOR (GC28-6764)

This manual is intended for people involved in program maintenance, and its distribution is limited to licensees

doing maintenance work. Program logic information is not necessary to use the program.
Manual, 56 pages

GY26-3741

DOS EMULATOR LOGIC (ON IBM SYSTEM/370 UNDER OS), PROG. NO.
360C-EU-738 (FOR MFT/MVT), 5744-AS1 (FOR VS)

This publication describes the internal logic of the DOS Emulator program under OS/MFT, OS/MVT, OS/VS1, and OS/VS2. The DOS Emulator is a combination of the DOS Emulator processing program and the DOS Compatibility feature. The relationship of the program logic to that of the DOS Compatibility feature is described.

This publication is written as a guide to and for use with the program listing. It is intended for use by persons involved in program maintenance, and systems programmers who are altering the program design.
Manual, 584 pages

LY26-3760

OS ASSEMBLER B LOGIC PROG. NO. 5734-AS1

This publication describes the internal logic and operation of Assembler B running under the IBM System/360 Operating System. In addition to descriptive text, this publication contains detailed flowcharts, figures showing the formats of internal tables and data areas, a microfiche directory, and a number of appendixes containing related reference documentation.

Program Logic Manuals are intended for IBM Customer Engineers concerned with program maintenance or alteration, and system programmers concerned with system design.

The reader should be familiar with the IBM System/360 Operating System and with the functions of an assembler.
Program Logic Manual, 320 pages

SY26-3766

IBM 2740/2968 AUDIO-VISUAL CONTROL PROGRAM LOGIC MANUAL
RPQ NUMBER F30209

This manual is for customer engineers, field engineers, or others maintaining the au (audio) and fp (visual) functions. These functions operate under Coursewriter III, Version 2, Modification 2 or newer and support the attachment of a 2968, model 11, audio-visual control unit to a 2740, model 1 remote terminal.
PLM Manual, 46 pages

SY26-3785

OS/VS OPEN/CLOSE/EOV LOGIC MANUAL

This publication describes the internal logic of the Open/Close/End-of-Volume portion of OS/VS. It also describes the relationship of Open/Close/EOV to the portions of OS/VS that give control to and receive control from it. Open/Close/EOV modifies system control blocks, and mounts and verifies volumes so that I/O operations can be performed.

This publication is intended for persons who maintain Open/Close/EOV and who modify Open/Close/EOV; it is not required for the operation of the programs described.

Before using this publication, you should be familiar with the Open/Close/EOV information contained in OS/VS Data Management Services Guide, GC26-3783.
Manual, 242 pages

SY26-3786

OS/VS ISAM LOGIC MANUAL

This publication describes the internal logic of the two indexed sequential access methods: basic indexed sequential access method (BISAM) and queued indexed sequential access method (QISAM).

This publication is intended for persons involved in program maintenance and modification; it is not required for the normal use and operation of the programs described.

Before using this book, the reader should understand the material presented under "Processing an Indexed Sequential Data Set" in OS/VS Data Management Services Guide, GC26-3783.
Manual, 312 pages

SY26-3787

OS/VS DADSM LOGIC MANUAL

This manual provides detailed information about the direct-access device space management (DADSM) routines. The DADSM routines allocate and release space on a direct-access volume by altering the volume table of contents. This publication describes how these routines operate and how they relate to each other and to the control program (OS/VS); it also describes data set control blocks, which make up the volume table of contents.

The intended audience is persons who maintain the DADSM routines and system programmers who wish to alter the design of these routines. Cross-references to module names and to Manual, 156 pages

SY26-3788

OS/VS SAM LOGIC MANUAL

This publication describes the internal logic of the basic sequential access method (BSAM), the queued sequential access method (QSAM), and the basic partitioned access method (BPAM).

This publication is intended for persons involved in the maintenance and modification of BSAM, QSAM, and BPAM; it is not required for the normal use and operation of the programs described.

Prerequisite publications are:

- o OS/VS1 Planning and Use Guide, GC24-5090, or OS/VS2 Planning and Use Guide, GC28-0600, for general information about VS1 or VS2
- o OS/VS Data Management Services Guide, GC26-3783, for information about processing sequential and partitioned data sets.

Manual, 308 pages

listings, this publication allows the reader to maintain or make changes to the I/O supervisor when necessary.

Related publications include OS/VS2 Supervisor Logic, SY27-7244, and OS/VS2 System Data Areas, SY28-060. Manual

GY27-7103

IBM SYSTEM/360 CONVERSION AIDS: THE 1401/1460 EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 40 PLM - PROG. NO. 360C-EU-074

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.

Manual, 56 pages

SY26-3789

OS/VS BDAM LOGIC MANUAL

This book describes the internal logic of the basic direct access method (BDAM). BDAM is a group of routines that retrieves data from and stores data into sets that are directly organized and reside on direct-access devices.

This publication is intended as a reference book for IBM programming systems representatives and system programmers maintaining BDAM routines and for customer system programmers modifying BDAM routines.

A general knowledge of data management and OS/VS is required for understanding the information in this Manual, 124 pages

GY27-7108

IBM SYSTEM/360 TRANSITION AIDS: COBOL LANGUAGE CONVERSION PROGRAM (1401-CB-701) FOR THE IBM 1401 PROGRAM LOGIC MANUAL

This publication describes the internal logic of the COBOL Language Conversion Program for the IBM 1401, which is used as a transition aid to IBM System/360. It is intended for use by persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the use and operation of the program; therefore, distribution of this publication is limited to those with the aforementioned requirements.

Systems Reference Library Manual, 92 pages

SY26-3814

OS/VS LOADER LOGIC MANUAL

This publication describes the internal logic and organization of the OS/VS Loader program. It is intended for persons involved in maintaining or modifying the loader. It is not required for normal use and operation of the program described.

Before using this publication, the reader must be familiar with OS/VS Linkage Editor and Loader, GC26-3813, and OS/VS and DOS/VS Assembler Language, GC33-4010.

Corequisite publications include OS/VS1 Storage Estimates, GC24-5094, or OS/VS2 Storage Estimates, GC28-0604, and OS/VS1 System Data Areas, SY28-0605, or OS/VS2 System Data Areas, SY28-0606. Manual, 182 pages

GY27-7110

IBM SYSTEM/360 OPERATING SYSTEM GRAPHICS PROBLEM ORIENTED ROUTINES (360S-IO-523) PROGRAM LOGIC MANUAL

This publication describes the internal logic of problem-oriented routines associated with the graphic programming services of System/360 Operating System and intended for use with the IBM 2250 Display Unit.

This program logic manual is intended for use with appropriate program listings. Its primary purpose is to serve as a guide to the program listings with which it is used.

It is provided for persons involved in program maintenance, and system programmers who are altering the program design. Program logic information is not necessary for the use and operation of the program; therefore, distribution of this publication is limited to those with the aforementioned requirements.

Program Logic Manual, 52 pages

SY26-3815

OS/VS LINKAGE EDITOR LOGIC MANUAL

This publication describes the internal organization and logic of the OS/VS linkage editor. The linkage editor, a processing program, combines and edits modules to produce a load module that can be loaded into virtual storage by the control program.

This publication is intended for persons involved in the maintenance and modification of the linkage editor; it is not required for the normal use and operation of the programs described.

The following publications are required for an understanding of the linkage editor:

- o OS/VS Linkage Editor and Loader, GC26-3813
- o OS/VS Data Management Services Guide, GC26-3783
- o OS/VS Data Management Macro Instructions, GC26-3793
- o OS/VS JCL Reference, GC28-0618

OS/VS1 System Data Areas, SY28-0605, or OS/VS2 System Data Areas, SY28-0606, describes data areas used by the linkage editor. Manual, 250 pages

GY27-7111

IBM SYSTEM/360 CONVERSION AIDS: THE 7074 EMULATOR PROGRAM FOR IBM SYSTEM/360 MODELS 50 AND 65 PROGRAM LOGIC MANUAL PROGRAM NUMBER 360C-EU-725

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.

Program Logic Manual

GY27-7113

IBM SYSTEM/360 OPERATING SYSTEM: GRAPHIC ACCESS METHOD PROGRAM NUMBER 360S-IO-523

This publication describes the internal logic of the Graphics Access Method (GAM) for the IBM 2250 Display Unit, Models 1, 2, and 3, the IBM 2260 Display Station (Local Attachment), and the IBM 2280/82 Film Units. Since GAM functions in both express and basic attention handling environments, both types of routines are described. Areas of the program that perform specific functions are identified and related to the program listings.

The Graphics Access Method consists of input/output and control routines which are part of the graphic programming services for the devices mentioned above. The GAM routines serve three major functions.

- Graphic Data Management (including Buffer Management)
- Input/Output Control
- Attention Handling

This program logic manual is directed to the IBM customer engineer, who maintains the program, and the system programmer, who may wish to alter the program design. It should be used in conjunction with, and as a guide to, the appropriate program listings. Program logic information is necessary for program operation and use. Manual, 124 pages

SY26-3820

OS/VS2 CHECKPOINT/RESTART LOGIC

This publication describes the logic of the OS/VS2 routines that take a checkpoint and restart a job at a checkpoint. The routines that restart a job at a step are documented in OS/VS2 Job Management Logic, SY28-0620.

This book is intended for use by programming systems representatives and system programmers maintaining checkpoint/restart routines. It is not required for the normal use and operation of the programs described.

A general understanding of how a user requests that a checkpoint be taken is prerequisite knowledge for understanding the information in this book. Refer to OS/VS Checkpoint/Restart, GC26-3784, for this information.

Refer to OS/VS2 System Data Areas, SY28-0606, for information about the control blocks that are used by the checkpoint/restart routines. Manual

SY26-3823

OS/VS2 INPUT/OUTPUT SUPERVISOR LOGIC MANUAL

This publication describes the internal logic of the OS/VS2 I/O supervisor. When used with the program

GY27-7115

IBM SYSTEM/360 CONVERSION AIDS: THE 1410/7010 SIMULATOR FOR IBM SYSTEM/360, PROGRAM NUMBER 360C-SI-754 PROGRAM LOGIC MANUAL

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.
Systems Reference Library Manual, 104 pages

IBM SYSTEM/360 OPERATING SYSTEM: MFT GUIDE
GC27-6939

IBM SYSTEM/360 OPERATING SYSTEM: MVT JOB MANAGEMENT PROGRAM LOGIC MANUAL, GY28-6600

This manual is intended for persons involved in program maintenance, and system programmers who are altering the program design. Program logic information is not necessary for use and operation of the program.

The information for TSO and TCAM and Model 165 is for planning purposes only.
Program Logic Manual, 196 pages

GY27-7116

IBM SYSTEM/360 CONVERSION AIDS: THE 1620 SIMULATOR FOR IBM SYSTEM/360, PROGRAM NUMBER 360C-SI-752 PROGRAM LOGIC MANUAL

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.
Systems Reference Library Manual, 94 pages

GY27-7152

IBM SYSTEM/360 OPERATING SYSTEM GRAPHIC SUBROUTINE PACKAGE (GSP) FOR FORTRAN IV, COBOL, AND PL/I PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-LM-537

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.
Manual, 136 pages

GY27-7117

IBM SYSTEM/360 CONVERSION AIDS: THE 7070/7074 SIMULATOR FOR IBM SYSTEM/360, PROGRAM NUMBER 360C-SI-753 PROGRAM LOGIC MANUAL

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.
Systems Reference Library Manual, 116 pages

GY27-7155

IBM SYSTEM/360 OPERATING SYSTEM MACHINE CHECK HANDLER FOR IBM SYSTEM/360 MODEL 65 PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-DN-539

The Machine-Check Handler reduces the number and minimizes the impact of unscheduled system interruptions resulting from machine-check interruptions in multiprogramming environments of the IBM System/360 Operating System. The program is designed for use with the uniprocessing and multiprocessing (partitioned or multisystem modes) systems of the IBM System/360 Model 65 only. This publication describes the program logic associated with the Machine-Check Handler error recovery operations.
Program Logic Manual, 77 pages

GY27-7118

IBM SYSTEM/360 CONVERSION AIDS: THE 7080 SIMULATOR FOR IBM SYSTEM/360, PROGRAM NUMBER 360C-SI-751 PROGRAM LOGIC MANUAL

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.
Systems Reference Library Manual, 108 pages

GY27-7159

IBM SYSTEM/360 OPERATING SYSTEM: GRAPHIC JOB PROCESSOR SUPPORT - PROGRAM NUMBER 360S-RC-541

This publication describes the internal logic of the Graphic Job Processor (GJP) and the Graphics Interface Task (GFX), which are features of the IBM System/360 Operating System that permit jobs to be defined and initiated by responding to frames displayed on an IBM 2250 Display Unit.

This program logic manual is to be used with the program assembly listings and is primarily a guide to those listings. It is intended for personnel involved in program maintenance and for system programmers who are altering the program design. Program logic information is not necessary for the operation of the program.
Program Logic Manual, 193 pages

GY27-7119

IBM SYSTEM/360 CONVERSION AIDS: THE 7090/7094 SIMULATOR FOR IBM SYSTEM/360, PROGRAM NUMBER 360C-SI-750 PROGRAM LOGIC MANUAL

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.
Systems Reference Library Manual, 120 pages

GY27-7161

SYSTEM/360-1130 DATA TRANSMISSION FOR FORTRAN PROGRAM LOGIC MANUAL PROGRAM NUMBERS 360S-LM-542, 1130-LM-011

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.
Manual, 128 pages

GY27-7126

IBM SYSTEM/360 MODEL 30 1620 EMULATOR PROGRAM PROGRAM LOGIC MANUAL PROGRAM NUMBER 360C-EU-731

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.
Manual, 84 pages

GY27-7164

IBM SYSTEM/360 DISK OPERATING SYSTEM 1401/1440/1460 EMULATOR PROGRAM COMPATIBILITY SUPPORT/30 PROGRAM NUMBER 360N-EU-484

This publication describes the internal logic of the Emulator Program for Compatibility Support/30. This support allows 1401, 1440, and 1460 object programs to be executed under the control of the Disk Operating System on the IBM System/360 Models 25 and 30. The relationship of the program logic to that of the required machine support is discussed, as is the interface with the Disk Operating System. This publication is written as a guide to, and for use with, the program listing. It is intended for use by persons involved in program maintenance, and systems programmers who are altering the program design. Program logic information is not necessary for the use and operation of the program.
Program Logic Manual, 125 pages

GY27-7128

IBM SYSTEM/360 OPERATING SYSTEM JOB MANAGEMENT WITH MFT PROGRAM LOGIC MANUAL

This publication describes the internal logic of the MFT level of job management, its functions, and the control flow among its routines, as MFT job management differs from MVT job management. Included are discussions of system initialization, input stream processing, job initiation and termination, system output processing, command scheduling and execution, and work queue management.

Knowledge of the information in the following publications is required for a full understanding of this manual:

GY27-7165

IBM SYSTEM/360 DISK OPERATING SYSTEM 1401/1440/1460 EMULATOR PROGRAM COMPATIBILITY SUPPORT/40 PROGRAM NUMBER 360N-EU-485

This publication describes the internal logic of the IBM 1401/1440/1460 Emulator Program under the Disk Operating

System. The relationship of Compatibility Support/40 to the IBM 1401/1460 Compatibility Feature (#4457), the IBM 1311 Disk Compatibility Feature (#9710), and the IBM 1401/1440/1460 DOS Compatibility Feature (#4460) for the IBM System/360 Model 40 is discussed. The interface of the program with the Disk Operating System is described. Written for use with the program listing, this publication is intended to be used by persons maintaining the program and by systems programmers altering the program design. Program logic information is not necessary for the use and operation of the program; distribution is therefore limited to persons maintaining or altering the program. Program Logic Manual, 156 pages

GY27-7166

IBM SYSTEM/360 OPERATING SYSTEM AND 1130 DISK MONITOR SYSTEM SYSTEM/360 JOB PROCESSING FROM A REMOTE 1130/2250 SUBSYSTEM PROGRAM LOGIC MANUAL PROGRAM NUMBERS 360S-RC-543, 1130-CO-012

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.

Program Logic Manual

GY27-7184

IBM SYSTEM/360 OPERATING SYSTEM: MACHINE-CHECK HANDLER FOR IBM SYSTEM/360 MODEL 85 - PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-DN-539

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.

MCH is a Recovery Management Support facility and provides the following error recovery functions:

1. Identification and analysis of the machine malfunction.
2. Repair of the damage and/or termination of the affected task.
3. Recording of the failure.
4. Control of machine status.

Systems Reference Library Manual, 124 pages

GY27-7187

EMULATOR PROGRAM TO EMULATE THE 7094 ON MODELS 65 AND 165 USING OS/360 - PROGRAM NUMBERS 360C-EU-734, 360C-EU-740

This manual describes the internal logic of the IBM 709/7090/7094/7094 II Emulator Program for the IBM System/370 Model 165. The emulator program is a problem program that executes under the MFT and MVT configurations of the IBM System/360 Operating System. The IBM compatibility Feature #7119 must be installed on the Model 165.

The emulator program executes object programs written for the IBM 709, 7090, 7094, or 7094 II Data Processing System. Major topics are the logic of the emulator program; the relationship among the emulator program, the compatibility feature, and the operating system; and the logic of tape formatting programs used in conjunction with the emulator.

This publication is a reference manual for persons responsible for emulator program maintenance. Readers should be experienced with the IBM 709, 7090, 7094, or 7094 II Data Processing System, and have a working knowledge of the MFT or MVT configuration of the IBM System/360 Operating System. Systems Library, 200 pages

GY27-7198

IBM SYSTEM/360 OPERATING SYSTEM: MACHINE-CHECK HANDLER FOR SYSTEM/370 MODELS 155 AND 165 - PROGRAM LOGIC MANUAL

This manual describes the internal operations of the Machine-Check Handler (MCH) for the IBM System/370 Models 155 and 165. MCH is a standard component of the MFT and MVT versions of System/360 Operating System when used with the Models 155 and 165.

This manual is written for persons who maintain the program or who are altering the program's design. Its primary purpose is to serve as a guide to the program listings.

Program Logic Manual, 192 pages

GY27-7199

IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION (TSO) CONTROL PROGRAM PROGRAM NUMBER 360S-CI-555

This document describes the internal logic of the System/360 Operating System Time Sharing Option (TSO). TSO adds general purpose time-sharing to the facilities already available through the MVT configuration of the OS/360 control program.

This manual is written for customer engineers who are

maintaining the program and system programmers who are altering the design of the program. Its primary purpose is to serve as a guide to the program listings. This manual describes the data management, job management and task management functions performed to enable TSO users to execute programs. Program Logic Manual, 418 pages

GY27-7228

PROGRAM TO EMULATE THE IBM 7074 ON THE IBM SYSTEM/370 MODEL 165 USING OS/360 - PROGRAM NUMBER 360C-EU-739 LOGIC MANUAL

This publication provides IBM customer engineers and persons responsible for program maintenance with information about the organization and logic of the IBM 7074 Emulator Program for the IBM System/370 Model 165. The emulator program runs as a problem program under the MFT and MVT configurations of the IBM System/360 Operating System. The System/370 Model 165 must be equipped with the IBM Compatibility Feature #7117. The emulator program, together with the compatibility feature, executes object programs written for the IBM 7074 Data Processing System.

Readers should be experienced with the IBM 7074 Data Processing System and have a working knowledge of the MFT or MVT configuration of the IBM System/360 Operating System. For information about the IBM 7074 Data Processing System, see IBM 7070-7074 Principles of Operation, GA22-7003.

This publication assumes that the reader is familiar with the information in:

IBM System/360 Operating System:

Supervisor Services, GC28-6535
Data Management Services, GC28-6646
System Control Blocks, GC28-6628

Emulating the IBM 7074 on the IBM System/370 Models 155 and 165 using OS/360, GC27-6948.

IBM System/370 Special Feature Description: 7070/7074 Compatibility Feature for IBM System/370 Model 165, GA22-6958.

IBM System/370 Principles of Operation, GA22-7000 Manual, 178 pages

GY27-7229

PROGRAM TO EMULATE THE IBM 7080 ON THE IBM SYSTEM/370 MODEL 165 USING OS/360 - PROGRAM NUMBER 360C-EU-737

This manual describes the internal logic of the IBM 7080 Emulator Program for the IBM System/370 Model 165. The emulator program is a problem program that executes under the MFT and MVT configuration of the IBM System/360 Operating System. The IBM Compatibility Feature #7118 must be installed on the Model 165.

The emulator program executes object programs written for the IBM 7080 Data Processing System. Major topics are the logic of the emulator program; the relationships among the emulator program, the compatibility feature, and the operating system; and the logic of tape formatting programs used in conjunction with the emulator.

This publication is a reference manual for persons responsible for emulator program maintenance. Readers should be experienced with the IBM 7080 Data Processing System and have a working knowledge of the MFT or MVT configuration of the IBM System/360 Operating System. Systems Library, 204 pages

LY27-7230

VIDEO/370 LOGIC MANUAL - PROGRAM NUMBERS 5734-RC5, 5736-RC3 *N

This manual presents the logic of VIDEO/370, which allows direct data entry through the use of IBM 3270 display stations. It describes the functions of VIDEO/370, the routines that perform the functions, and the data areas used by the routines. Information for diagnosing problems with the VIDEO/370 sample program is also included.

This book is intended for use by IBM program service representatives, Field Engineering education, SDD product programmers, DPD system engineers, or customers performing similar functions. Manual, 224 pages

GY27-7236

IBM SYSTEM/360 OPERATING SYSTEM MFT SUPERVISOR

This publication describes the internal logic of the MFT Supervisor. The MFT Supervisor is one part of the control program of the IBM System/360 Operating System. The publication provides an introduction to control program logic and describes the supervisor components of the program. Specifically, the publication describes:

- Interruption Supervision
- Task Supervision
- Task Termination
- Contents Supervision
- Main Storage Supervision
- Communications Task
- Timer Supervision
- Overlay Supervision
- Recording/Recovery Interface

- Checkpoint/Restart
 - Device Independent Display Operator Console Support
- Program Logic Manual, 550 pages

GY27-7237

IBM SYSTEM/360 OPERATING SYSTEM MACHINE-CHECK HANDLER FOR IBM SYSTEM/370 MODELS 135 AND 145 PROGRAM LOGIC MANUAL - PROGRAM NUMBER 3605-DN-539
 This manual describes the internal operations of the Machine-Check Handler (MCH) for the IBM System/370 Models 135 and 145. MCH is a standard component of the MFT version of the System/360 Operating System when used with the Model 135 or the Model 145.

This manual is written for persons who maintain the program or who are altering the program's design. Its primary purpose is to serve as a guide to the program listings.

Program logic manual, 128 pages

GY27-7238

IBM 7074 OPERATING SYSTEM EMULATOR ON SYSTEM/370 MODEL 155 LOGIC MANUAL - PROGRAM NUMBER 360C-EU-741
 This manual describes the internal logic of the IBM 7074 Emulator Program for the IBM System/370 Model 155. The emulator program is a problem program that executes under the MFT or MVT configuration of the IBM System/360 Operating System. The IBM Compatibility Feature #7117 must be installed on the Model 155.

This manual describes how the emulator program executes object programs written for the IBM 7074 Data Processing System. Major topics are the logic of the emulator program; the relationship among the emulator programs, the compatibility feature, and the operating system; the logic of the tape formatting programs used in conjunction with the emulator and the logic of the compatibility feature.

This publication is a reference manual for persons responsible for maintenance of the emulator program, tape formatting programs, and compatibility feature. Readers should be experienced with the IBM 7074 Data Processing System and have a working knowledge of the MFT or MVT configuration of the IBM System/360 Operating System. Manual, 228 pages

SY27-7239

OS/VS RECOVERY MANAGEMENT SUPPORT LOGIC - COMPONENT NOS. 5742-SCI-CE, 5742-SCI-CE

This publication describes three recovery management programs that are part of OS/VS:

- o The Machine-Check Handler, a program that processes machine-check interruptions. Depending on the severity of the malfunction, the Machine-Check Handler (1) restores the system to normal operation, (2) terminates tasks associated with the malfunction so the system can resume processing, or (3) places the system in a wait state. In all cases, the Machine-Check Handler writes diagnostic messages and error records.
- o The Channel-Check Handler, a program that receives control after the detection of a channel data check, channel control check, or interface control check. The Channel-Check Handler analyzes the channel error and provides the results of this analysis to the appropriate error recovery procedure and to the operator and system maintenance personnel.
- o Dynamic Device Reconfiguration, a program that permits a demountable volume to be moved from one device to another and repositioned. This method is used to bypass I/O errors and avoid abnormally terminating the affected job or reloading the system.

Manual, 164 pages

SY27-7240

OS/VS GRAPHICS ACCESS METHOD LOGIC MANUAL
 Describes the internal logic of the Graphics Access Method (GAM) for the IBM 2250 Display Unit, Models 1 and 3, and the IBM 2260 Display Station (Local Attachment). Areas of the program that perform specific functions are identified and related to the program listings.

GAM consists of input/output and control routines that are part of the graphic programming services for the 2250 display unit and the 2260 display station. The GAM routines perform three major functions:

- o Graphic data management (including buffer management)
- o Input/output control
- o Attention handling (both basic and express)

This program logic manual is directed to the IBM customer engineer, who maintains the program, and to the system programmer, who may wish to alter the program design. It should be used in conjunction with, and as a guide to, appropriate program listings. Program logic information is not necessary for program operation and use.

Manual, 104 pages

SY27-7241

OS/VS GRAPHICS PROBLEM-ORIENTED ROUTINES LOGIC

This manual describes the internal logic of the problem oriented routines (PORs) for the IBM 2250 Display Unit, Models 1 and 3. Areas of the program that perform specific functions are identified and related to the program listings.

PORs, which are part of the graphic programming services for the 2250 display unit, are generalized routines that generate graphic orders for displaying various images and alphanumeric information on the 2250 display unit. Each POR is described in detail to show its internal structure and logic.

This program logic manual is directed to the IBM customer engineer, who maintains the program, and to the system programmer, who may wish to alter the program design. It should be used in conjunction with, and as a guide to, the appropriate program listings. Program logic information is not necessary for program operation and use.

Manual, 52 pages

SY27-7242

OS/VS GRAPHIC SUBROUTINE PACKAGE (GSP) FOR FORTRAN IV, COBOL, AND PL/I LOGIC MANUAL

This manual describes the internal logic of the graphic subroutine package (GSP), a program that enables a FORTRAN, COBOL, or PL/I programmer to write graphic programs for the IBM 2250 Display Unit under the control of OS/VS. GSP may also be used in an assembler language program.

This program logic manual is directed to the IBM customer engineer, who maintains the program, and to the system programmer, who may wish to alter the program design. It should be used in conjunction with, and as a guide to, the appropriate program listings. Program logic information is not necessary for program operation and use.

Manual, 136 pages

SY27-7243

OS/VS2 IPL AND NIP LOGIC

This publication describes the logic of the IPL (initial program loader) and NIP (nucleus initialization program) support for OS/VS2. The information is intended for use by personnel involved in program maintenance. IPL loads the nucleus designated by the user and prepares the system for initialization. NIP initializes the nucleus and the remainder of real storage in preparation for system execution.

Readers of this publication should be familiar with the following publications:

- o OS/VS Supervisor Services and Macro Instructions, GC27-6979.
- o OS/VS2 Supervisor Logic, SY27-7244.

The following publications may be helpful in understanding IPL and NIP:

- o OS/VS Message Library: VS2 System Messages, GC38-1002.
- o OS/VS Message Library: VS2 System Codes, GC38-1008.
- o Operator's Library: OS/VS2 Reference, GC38-0210.
- o OS/VS2 System Data Areas, SY28-0606.

Manual, 208 pages

SY27-7244

OS/VS2 SUPERVISOR LOGIC VOLUME I

This publication describes the logic of the OS/VS2 supervisor, its relationship to the other portions of the control program, and the interaction between supervisor modules.

The information in this manual is intended for personnel who are responsible for determining sources of error within or making modifications to the VS2 supervisor.

The supervisor support for the communications task and checkpoint/restart are not documented in this publication. The communications task which is documented in OS/VS2 Job Management Logic, SY28-0620; checkpoint/restart logic is documented in OS/VS2 Checkpoint/Restart Logic, SY26-3820.

To understand the information in this publication, you must be familiar with the basic concepts of and services provided by the VS2 supervisor as described in OS/VS Supervisor Services and Macro Instruction, GC27-6979.

Manual, 1,012 pages

GY27-7245

SYSTEM/360 DOS VERSION 4 BASIC TELECOMMUNICATIONS ACCESS METHODS - PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360N-CQ-469

This publication describes the internal logic of the Basic Telecommunications Access Method (BTAM) in Version 4 (Release 27) of the Disk Operating System (DOS). It is intended for persons involved in program maintenance and for systems programmers who are altering the program design. It can be used to help locate BTAM application program errors.

This publication contains:

- o An overview of BTAM logic
- o A guide to specific BTAM routines by alphabetical name of the routine and by function
- o Routine descriptions and flowcharts

This information is designed to be used with the program listings.

The user should be familiar with how BTAM is used; this is described in the SRL publication, DOS Version 4 Basic Telecommunications Access Method, GC27-6978. Manual, 436 pages

mentioned, now or in the future.
Manual, 308 pages

SY28-0620

OS/VS2 JOB MANAGEMENT LOGIC MANUAL

This publication provides the information necessary to trace function and program organization through the job management part of the control program. The intended audience is primarily involved with system maintenance but may possibly be altering system design.

The major functions described are master scheduler initialization, system input/output processing, initiating and terminating tasks, allocating and freeing devices, processing commands, managing work queues, communicating with the system operator and console, recovering from errors, and recording system information.

The program organization necessary to accomplish the functions provided is described, and local data areas, a module directory, an introductory overview of job management, and a section tying message IDs to the issuing and detecting modules, are provided.
Manual, 640 pages

SY27-7246

OS/VS BTAM LOGIC MANUAL

This publication describes the internal logic of the Basic Telecommunications Access Method (BTAM). It is intended for use by persons involved in program maintenance and by system programmers who are altering the program design. Program logic information is not necessary for the use and operation of the program; therefore, distribution of this publication is limited to those with maintenance and alteration requirements.

Manual, 339 pages

SY28-0635

OS/VS1 SERVICE AIDS LOGIC

This publication describes the functions and internal logic of seven service aid programs provided for use in servicing OS/VS1. These service aid programs are: Generalized Trace Facility, HMAPTFLE, HMASPZAP, HMBLIST, HMDPRDMP, HMSADMP, IMCJOEQD.

This publication is intended for the IBM programming systems representative who is involved in maintaining service aid programs. This publication should be used in conjunction with OS/VS Service Aids, GC28-0633. Manual, 636 pages

SY27-7252

OS/VS2 RECOVERY MANAGEMENT SUPPORT PROGRAM LOGIC MANUAL

This publication describes the operation and design of recovery management support programs that are a part of OS/VS2:

- o Machine-Check Handler (MCH).
- o Channel-Check Handler (CCH).
- o Dynamic Device Reconfiguration (DDR).

These programs are designed to keep the system operational in the event of a processor, storage, channel, or device failure. (An additional recovery management support program, Alternate Path Retry (APR), is described in OS/VS2 I/O Supervisor Logic, SY26-3823.

This publication is intended to be used as a guide to the program listings. The intended audience is system maintenance personnel, including customer engineers, programming systems representatives, and system programmers.

This publication assumes an understanding of OS/VS2, including paging and I/O operations.
Manual, 152 pages

SY28-0637

OS/VS OLTEP LOGIC

This publication describes the functions and internal logic of the Online Test Executive Program (OLTEP) which performs online testing of input/output devices under control of OS/VS.

This publication is intended for the IBM programming systems representative who is responsible for program maintenance. It can be used to supply an overview of OLTEP logic or to locate specific areas of the program and to relate them to the corresponding program listings.

Prerequisite information is contained in OS/VS OLTEP, GC28-0636, which tells how to use OLTEP to test input/output devices.

Systems logic publication, 140 pages

GY27-7255

OS/VS2 HASP II VERSION 4 LOGIC PROGRAM NUMBER 370H-TX-001

Persons interested in determining sources of errors within or making changes to the internal logic of HASP II Version 4 should read this publication. Readers must be familiar with programming techniques and the operating principles of OS/VS2 Release 1.

This manual describes the purpose and function of HASP and its relationship to OS/VS2 Release 1. It does not replace the program listings; it supplements them and makes the information in them more accessible.
Manual, 416 pages

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SY28-0639

OS/VS SYS1.LOGREC ERROR RECORDING LOGIC MANUAL

This publication describes the internal logic and organization of the programs related to SYS1.LOGREC error recording. This publication is intended for the IBM programming systems representative and installation programmer involved in maintaining or using the SYS1.LOGREC data set.

This publication should be used in conjunction with OS/VS SYS1.LOGREC Error Recording, GC28-0638, which tells Manual, 148 pages

GY28-0603

OS/VS MASTER INDEX OF LOGIC

This publication consolidates the indexes of program logic manuals for OS/VS; it applies to both VS1 and VS2.

The master index lists topics alphabetically, and refers to manuals where these topics are discussed. The indexes of these manuals list the same topics and refer to specific pages.

Index, 320 pages

SY28-0641

OS/VS DYNAMIC SUPPORT SYSTEM LOGIC - FEATURE NUMBERS 5007, 5008, 5413, AND 5414 - PROGRAM NUMBERS 5741-020 AND 5742-010

This manual provides an introduction to the Dynamic Support System (DSS) logic to guide the IBM programming systems representative and system programmers who need to debug DSS.

DSS is a debugging tool used to diagnose and temporarily repair OS/VS in the field. DSS operates as a standalone system that can stop OS/VS operation, for problem diagnosis or repair, or allow OS/VS to run in a monitored condition, so that DSS gains control when program events occur or when execution reaches a specified breakpoint.

The reader must be familiar with the information presented in OS/VS Dynamic Support System, GC28-0640.

OS/VS1 information is for planning purposes only until DSS is available in OS/VS1.
Manual

SY28-0605

OS/VS1 SYSTEM DATA AREAS

This publication describes the contents and format of the major control blocks used by more than one component of the OS/VS1 control program. This publication is to be used by IBM software support personnel and by system programmers who require information about the individual fields contained in the system's major control blocks.

Manual, 600 pages

SY28-0606

OS/VS2 SYSTEM DATA AREAS MANUAL

This publication shows the formats of the major control blocks and tables used by more than one component of the VS2 control program.

The system control blocks described in this publication will be changed by IBM from time to time to extend the capabilities of the operating system. Programs should refer to these control blocks only through the system macro instruction facilities provided in the operating system.

(For example, a field of the Data Control Block should only be referred to by use of the DCBD macro instruction.) Programs that refer to the control blocks by other means do so at the risk of not executing correctly in the future. Fields marked with an asterisk (*) are shown to reflect the mapping macro instructions for the data areas. This does not mean that IBM will support the devices or features

SY28-0643

OS/VS2 SERVICE AIDS LOGIC MANUAL

This publication describes the functions and internal logic of the service aid programs provided for use in servicing OS/VS2. The service aid programs are: Generalized Trace Facility, AMBLIST, IMCOBJQD, AMDPRDMP, AMAPTFLE, AMDSADMP and AMASPZAP.

This publication is intended for the IBM programming systems representative who is involved in maintaining service aid programs. This publication should be used in conjunction with OS/VS Service Aids, GC28-0633, which tells how to use the service aid programs.
Manual, 408 pages

SY28-0649

OS/VS2 TSO CONTROL PROGRAM LOGIC MANUAL

This publication describes the internal logic of the OS/VS2 Time Sharing Option (TSO). TSO adds general purpose time sharing to the facilities already available through the OS/VS2 control program.

This manual is written for personnel who are maintaining and altering the program. Its primary purpose is to serve as a guide to the program listings.

This manual describes the job management, task management, and data management functions performed by the TSO control program. The main body of the manual describes the three main components of the control program, -- the supervisory program, the Terminal Input/Output Coordinator (TIOC), and the Logon/Logoff scheduler. Described in separate appendixes are the TSO Trace Writer and TSO Trace Data Set Processor, the TSO Background Reader, and the TSO/RMS Interface Control Block Formatter for Abdump.

Prerequisite Publications:

- o OS/VS TCAM Logic, SY30-2039
- o OS/VS2 Supervisor Logic, SY27-7244
- o OS/VS2 System Generation Reference, GY26-3792
- o OS/VS2 TSO Guide, GC28-0644

Manual, 834 pages

SY28-0650

OS/VS2 TSO TERMINAL MONITOR PROGRAM AND SERVICE ROUTINES LOGIC MANUAL

This publication describes the internal logic of the TSO terminal monitor program (TMP) and the TSO service routines: STACK; GETLINE; PUTLINE; PUTGET; Command Scan; Parse; Dynamic Allocation Interface Routine (DAIR) and SVC 99; and the Default and Catalog Information routines.

The TMP accepts commands from the terminal and gives control to the TSO command processors named by the commands. The TSO service routines perform common functions needed by both the TMP and the command processors.

This publication is written for persons who maintain or modify TSO; it is not necessary for persons who use TSO to process programs or who write programs that are processed by TSO. Prerequisite information is contained in:

OS/VS2 TSO Guide, GC28-0644

The reader should also be familiar with:

OS/VS2 TSO Control Program Logic, SY28-0649

Manual, 416 pages

SY28-0651

OS/VS2 TSO COMMAND PROCESSOR LOGIC VOLUME I: ACCOUNT

This publication describes the internal logic of the programs that handle the ACCOUNT command and its ADD, CHANGE, DELETE, and LIST subcommands. It also describes the internal logic of the ACCOUNT subroutines and the ACCOUNT BROADCAST Interface.

The command processors are described with method of operation diagrams and supporting text. Major data areas are shown, and directories for routines and principal data areas are provided.

This manual is intended for persons involved in program maintenance, or systems programmers who are altering the program design; it is not intended for normal use or operation of the programs described.

Manual, 542 pages

SY28-0652

OS/VS2 TSO COMMAND PROCESSOR LOGIC VOLUME IV

This publication describes the internal logic of the programs that handle the following TSO commands:

ALLOCATE	LISTDS
ATTRIB	OPERATOR
CALL	OUTPUT
CANCEL/STATUS	PROFILE
DELETE	PROTECT
EXEC	RENAME
FREE	RUN
HELP	SEND
LINK/LOADGO	SUBMIT
LISTALC	TERMINAL
LISTBC	TIME
LISTCAT	

The manual is intended for persons involved in program maintenance, or system programmers who are altering the program design; it is not necessary for normal use or

Manual, 380 pages

SY28-0659

OS/VS2 TSO ENHANCEMENTS LOGIC - COMPONENT NUMBERS

5742-SC1-T0 AND 5742-SC1-T4

This publication describes the internal logic that supports Program Number 5742-010, Feature Number 5005. The logic of the following commands and routines is affected:

- ALLOCATE
- Dynamic Allocation
- EDIT
- OPERATOR
- Parse routine
- PROFILE
- RUN
- SEND

The information in this publication supplements the

information in the following prerequisite publications:

OS/VS2 TSO:

- Command Processor Logic, Vol. I, Order No. SY28-0651
- Command Processor Logic, Vol. II, Order No. SY33-8548
- Command Processor Logic, Vol. IV, Order No. SY33-0652
- Terminal Monitor Program and Service Routines Logic, Order No. SY28-0650

This publication is intended for persons involved in program maintenance, or system programmers who are altering the program design; it is not intended for normal use or operation of the programs described.

Only changes resulting from the enhancements are documented. For complete logic documentation of the subject commands and routines, consult the appropriate prerequisite publications.

Manual, 62 pages

SY28-0660

OS/VS RES ACCOUNT FACILITY LOGIC - COMPONENT NO. 5741-SC1-BC

The OS/VS1 Remote Entry Services (RES) Account Facility provides background users the ability to update the user attribute data set (SYS1.UADS) and the broadcast data set (SYS1.BROADCAST) from a remote work station other than a conversational terminal.

This publication describes the internal logic of the Account Facility whose routines establish and administer the background environment for batch, or non-interactive, users of the OS/VS1 RES ACCOUNT command processor.

This publication is for people who maintain or modify the routines in the Account Facility; it is not necessary for people who wish to use the facility to update the UADS or broadcast data set. For that type of explanatory information, refer to the OS/VS1 RES System Programmers' Guide.

Systems Publication, 384 pages

SY28-0662

OS/VS1 OLTEP LOGIC - COMPONENT NO. 5741-SC1-06

This publication describes the functions and internal logic of the Online Test Executive Program (OLTEP) which performs online testing of input/output devices under control of OS/VS1.

This publication is intended for the IBM programming systems representative who is responsible for program maintenance. It can be used to supply an overview of OLTEP logic or to locate specific areas of the program and to relate them to the corresponding program listings.

Prerequisite information is contained in OS/VS OLTEP, GC28-0636, which tells how to use OLTEP to test input/output devices. For information on OLTEP messages refer to: OS/VS Message Library: Service Aids and OLTEP Messages, GC38-1006. Systems Publication

GY28-2009

IBM SYSTEM/360 TIME SHARING SYSTEM SYSTEM LOGIC SUMMARY PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360G-CL-627

This publication describes the logic of the IBM System/360 Time Sharing System (TSS/360). The emphasis is on describing the interrelationship of system components in performing system functions. Where an individual component is described, only the highest level of logic is discussed.

This program logic manual is directed to the IBM customer engineer who is responsible for program maintenance. It can be used to determine the interrelationship among the various areas of the system, and it enables the reader to relate these areas to the corresponding program logic manuals.

Systems Reference Library Manual, 328 pages

GY28-2011

IBM SYSTEM/360 TIME SHARING SYSTEM SYSTEM CONTROL BLOCKS PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360G-CL-627

This publication documents all control blocks which are a part of the IBM System/360 Time Sharing System (TSS/360). Each control block is described in terms of its function, size, residence, and use by the rest of the system. A diagram gives a graphic picture of each block, and a DSECT listing shows all fields and includes comments on individual fields.

Program Logic Manuals are intended for use by IBM customer engineers involved in program maintenance, and by system programmers involved in altering the program design. Program logic information is not necessary for program operating and use.

Systems Reference Library Manual, 360 pages

GY28-2012

IBM SYSTEM/360 TIME SHARING SYSTEM: RESIDENT SUPERVISOR PROGRAM LOGIC MANUAL

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.

Program Logic Manual, 308 pages

GY28-2013

TIME SHARING SYSTEM/360 COMMAND LANGUAGE
PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360G-CL-627

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.
Program Logic Manual, 520 pages

GY28-2014

IBM SYSTEM/360 TIME-SHARING SYSTEM PROGRAM CONTROL SYSTEM
PROGRAM LOGIC MANUAL

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.
Systems Reference Library Manual, 212 pages

GY28-2015

IBM SYSTEM/360 TIME SHARING SYSTEM:
SYSTEM GENERATION AND MAINTENANCE
PROGRAM LOGIC MANUAL PROGRAM NUMBER 360-CL-627

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.
Program Logic Manual, 112 pages

GY28-2016

IBM SYSTEM/360 TIME SHARING SYSTEM ACCESS METHODS
PROGRAM NUMBER 360G-CL-627
PROGRAM LOGIC MANUAL

This publication describes the internal logic of the queued, basic, multiple, virtual, and terminal access methods programs. These programs provide the processing required to perform Input/Output operations for the user. Also discussed are: general data set handling such as OPEN and CLOSE functions, and specific GET/PUT and READ/WRITE operations on data sets of sequential, indexed sequential, and partitioned organization.

This program logic manual is directed to the IBM customer engineer who is responsible for program maintenance. It can be used to locate specific areas of the program, and it enables the reader to relate these areas to the corresponding program listings. Program logic information is not necessary for program operation and use.
Program Logic Manual, 116 pages

GY28-2018

IBM SYSTEM/360 TIME SHARING SYSTEM: SYSTEM SERVICE MANUAL
PROGRAM LOGIC MANUAL

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.
Program Logic Manual, 256 pages

GY28-2019

IBM SYSTEM/360 TIME SHARING SYSTEM: FORTRAN IV COMPILER
PROGRAM LOGIC MANUAL

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.
Program Logic Manual, 716 pages

GY28-2020

IBM SYSTEM/360 TIME SHARING SYSTEM FORTRAN IV LIBRARY
SUBPROGRAMS PROGRAM LOGIC MANUAL
PROGRAM NUMBER 360G-CL-627

This publication describes the internal logic of the IBM System/360 Time Sharing System FORTRAN IV mathematical and I/O libraries, including the mathematical, service, and I/O routines.

This program logic manual is directed to the IBM customer engineer who is responsible for program maintenance. It can be used to locate specific areas of the program, and it enables the reader to relate these areas to the corresponding program listings. Because program logic information is not necessary for program operation and use, distribution of this manual is restricted to persons with program-maintenance responsibilities.
Systems Reference Library Manual, 108 pages

GY28-2021

IBM SYSTEM/360 TIME-SHARING SYSTEM ASSEMBLER
PROGRAM LOGIC MANUAL

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.
Systems Reference Library Manual, 376 pages

GY28-2022

IBM SYSTEM/360 TIME SHARING SYSTEM
TIME SHARING SUPPORT SYSTEM - PROGRAM LOGIC MANUAL
PROGRAM NUMBER 360G-CL-627

This publication describes the internal logic of the IBM System/360 Time Sharing Support System. This program logic manual is directed to the IBM customer engineers involved in program maintenance, and to the system programmers involved in altering the program design. It can be used to locate specific areas of the program, and it enables the reader to relate these areas to the corresponding program listings. Program logic information is not necessary for program operation and use.
Program Logic Manual, 20 pages

GY28-2030

IBM SYSTEM/360 TIME-SHARING SYSTEM LINKAGE EDITOR
PROGRAM LOGIC MANUAL PROGRAM NUMBER 360G-CL-627

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.
Systems Reference Library Manual, 98 pages

GY28-2031

IBM SYSTEM/360 TIME SHARING SYSTEM: DYNAMIC LOADER
PROGRAM LOGIC MANUAL PROGRAM NUMBER 360G-CL-627

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.
Program Logic Manual, 184 pages

GY28-2039

IBM SYSTEM/360 TIME-SHARING SYSTEM INDEPENDENT UTILITIES
PROGRAM LOGIC MANUAL PROGRAM NUMBER 360G-CL-627

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.
Systems Reference Library Manual, 66 pages

GY28-2041

IBM SYSTEM/360 TIME SHARING SYSTEM TASK MONITOR
PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360G-CL-627

This program logic manual is directed to the IBM customer engineer who is responsible for program maintenance. It can be used to locate specific areas of the program, and it enables the reader to relate these areas to the corresponding program listings. Program logic information is not necessary for program operation and use.
Systems Reference Library Manual, 56 pages

GY28-2042

IBM SYSTEM/360 TIME SHARING SYSTEM:
ON-LINE TEST CONTROL SYSTEM
PROGRAM LOGIC MANUAL PROGRAM NUMBER 360G-CL-627

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of

the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.
Program Logic Manual, 56 pages

for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.
Systems Reference Library Manual, 350 pages

GY28-2047

IBM SYSTEM/360 TIME SHARING SYSTEM
OPERATOR TASK AND BULK I/O - PROGRAM LOGIC MANUAL
PROGRAM NUMBER 360G-CL-627

This publication describes the internal logic of the Operator Task, Batch Monitor, BUIKIO Preprocessor, BUIKIO Task, and certain command and macro instruction processing routines associated with the above tasks, for IBM System/360 Time Sharing System (TSS/360). It is intended for use as a guide to the appropriate program listings.

This program logic manual is directed to the IBM customer engineer responsible for program maintenance. It can be used to locate specific areas of the program, and it enables the reader to relate these areas to the corresponding program listings. Program logic information is not necessary for program operation and use.
Program Logic Manual, 220 pages

GY28-6397

IBM CONVERSION AIDS: COBOL-TO-AMERICAN NATIONAL ST'D COBOL
LANGUAGE CONVERSION PROGRAM - PROGRAM LOGIC MANUAL
PROGRAM NUMBERS 360N-CV-489, 360C-CV-713

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.
Systems Reference Library Manual, 314 pages

GY28-2051

IBM SYSTEM/360 TIME SHARING SYSTEM PL/I COMPILER
PROGRAM LOGIC MANUAL PROGRAM NUMBER 360G-CL-627

This publication describes the internal logic of the IBM System/360 Time Sharing System PL/I Compiler. Program Logic Manuals are intended for use by IBM Customer Engineers involved in altering program design. It can be used to locate specific areas of the program and it enables the reader to relate these areas to the corresponding program listings. Program logic information is not necessary for program operators to use.
Program Logic Manual, 500 pages

LY28-6406

SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION
COBOL PROMPTER PROGRAM LOGIC MANUAL, PROGRAM NUMBER 5734-CP1

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.
Manual, 86 pages

GY28-2052

IBM SYSTEM/360 TIME SHARING SYSTEM
PL/I LIBRARY COMPUTATIONAL SUBROUTINES
PROGRAM LOGIC MANUAL PROGRAM NUMBER 360G-CL-627

This publication describes the internal specifications of PL/I subroutine library as the system component of IBM 360 TSS. The relationships between the code produced by the TSS/360 PL/I compiler, the PL/I Library modules and the control program are described, and similarities of the properties of individual modules are provided. This information is intended for use by those involved in program maintenance and by system programmers who are altering the program design. Program logic information is not necessary for the use and operation of the program.
Program Logic Manual, 156 pages

LY28-6407

IBM SYSTEM/360 OPERATING SYSTEM
FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY,
VERSION 3 PROGRAM LOGIC MANUAL, PROGRAM NUMBER 5734-CB1

This publication describes the internal design of the IBM System/360 Operating System Full American National Standard COBOL, X3.23-1968 Compiler and Library, Version 3. Program logic manuals are intended for persons involved in program maintenance, or for system programmers who are altering the program design for installations that require a special purpose COBOL compiler. It is not needed for normal use or operation of the compiler described.
Manual, 8-1/2 x 11, 400 pages

GY28-6382

IBM SYSTEM/360 OPERATING SYSTEM COBOL CFS PROGRAM LOGIC
MANUAL PROGRAM NUMBER 360S-CB-524 360S-LM-525

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.
Systems Reference Library Manual, 216 pages

LY28-6408

IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV LIBRARY (MODEL I)
PROGRAM LOGIC MANUAL, PROGRAM NUMBER 5734-LM1

This document describes the internal design of the IBM System/360 Operating System FORTRAN IV Library (Model 1), a program product.
The modules of the Model 1 library are designed to be combined as needed with the object code produced by the Code and Go FORTRAN or FORTRAN IV (G1) compilers to form executable load modules.
This document is intended for use by persons involved in program maintenance. Program logic information is not necessary for the use and operation of the Model 1 library.
Distribution of this document is limited to licensees of the IBM program product it describes.
Program Logic Manual, 154 pages

GY28-6392

IBM SYSTEM/360 DISK OPERATING SYSTEM AMERICAN NATIONAL
STANDARD COBOL: PROGRAM LOGIC MANUAL, PROG. NO. 360N-CB-482

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.
Systems Reference Library Manual, 430 pages

LY28-6409

IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV
LIBRARY MOD II PROGRAM LOGIC MANUAL, PROGRAM NUMBER 5734-LM3

This document describes the internal design of the IBM System/360 Operating System FORTRAN IV Library (Model 11), a program product.
The modules of the Model II library are designed to be combined as needed with the object code produced by the FORTRAN IV (H Extended) compiler to form executable load modules.

This document is intended for person involved in program maintenance; program logic information is not necessary for the use and operation of the Model II library.
Distribution of this document is limited to licensees of the IBM program product it describes.
Program Product Manual, 176 pages

GY28-6394

IBM SYSTEM/360 DISK OPERATING SYSTEM FORTRAN IV
PROGRAM LOGIC MANUAL PROGRAM NUMBER 360N-FO-479

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.
Systems Reference Library Manual, 244 pages

LY28-6410

IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION FORTRAN
PROMPTER - PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5734-CP3

This publication describes the internal organization and operation of the IBM System/360 Operating System Time Sharing Option FORTRAN Prompter, a TSO Command Processor designed to facilitate the use of the FORTRAN IV (G1) compiler. The Prompter provides the terminal user with a conversational means of allocating required data sets, building a compiler option list, and invoking the compiler.
The reader is assumed to be familiar with the Operating System, the concepts of TSO, and the options and data set requirements of the FORTRAN IV (G1) compiler.

Program Logic Manuals are intended for use by IBM customer engineers involved in program maintenance, and by

GY28-6395

IBM SYSTEM/360 OPERATING SYSTEM: USA STANDARD COBOL -
PROGRAM LOGIC MANUAL
PROGRAM NUMBERS 360S-CB-545, 360S-LM-546

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended

systems programmers involved in altering the program design. Program logic information is not necessary for program operation and use; therefore, distribution of this manual is limited to persons with program maintenance or modification responsibilities.
Program Product Manual, 60 pages

LY28-6412

IBM SYSTEM/360 DISK OPERATING SYSTEM FULL AMERICAN NATIONAL STANDARD COBOL COMPILER VERSION 3, PROGRAM LOGIC MANUAL PROGRAM PRODUCT 5736-CB2

This publication describes the internal design of the IBM System/360 Disk Operating System Full American National Standard COBOL Compiler, Version 3. It is intended for use by persons involved in program maintenance and by system programmers involved in altering the program design for installations requiring such alteration. This publication supplements the compiler listing and its comments, but is not a substitute for them.

Effective use of this manual requires an understanding of IBM System/360 operation and of the IBM System/360 Disk Operating System service programs and macro instructions. Knowledge of both IBM Full American National Standard COBOL and the IBM System/360 Assembler Language is a prerequisite. Reference publications for this information are listed in the preface of this manual.
Manual, 532 pages

LY28-6413

IBM SYSTEM/360 DISK OPERATING SYSTEM FULL AMERICAN NATIONAL STANDARD COBOL SUBROUTINE LIBRARY, VERSION 3 PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5736-LM2
No abstract available.

Program Product Manual, 168 pages

LY28-6414

IBM SYSTEM/360 DISK OPERATING SYSTEM SUBSET AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5736-CB1

This publication describes the internal logic of the Subset COBOL compiler and COBOL Library object time subroutines. It is intended for use by persons responsible for program maintenance, and for systems programmers who must alter program design. Therefore, distribution of this publication is limited to licensees with the aforementioned requirements.

Program Product Manual, 876 pages

LY28-6415

IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (H EXTENDED PLUS) COMPILER AND LIBRARY PROGRAM LOGIC SUPPLEMENT (PROGRAMMING REQUEST FOR PRICE QUOTATION) PROGRAM NUMBER 5799-AAW

This publication is a supplement to IBM System/360 Operating System: Fortran IV (A Extended) Compiler Program Logic Manual, Order No. LY28-6403. Together these publications provide customer engineers and other technical personnel with information describing the internal organization and operation of the FORTRAN IV (H Extended Plus) compiler.
Supplementary Manual, 112 pages

LY28-6419

IBM S/360 OPERATING SYSTEM: FULL AMERICAN NATIONAL STANDARD COBOL SUBROUTINE LIBRARY V4 PLM - PROGRAM PRODUCTS 5734-CB2, 5734-LM2

The Program Logic Manual describes the internal design or logic of the subject program. This manual is intended for persons involved in program maintenance and for system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of this publication is limited to persons with maintenance and alteration requirements.

Manual, 252 pages

LY28-6420

IBM S/360 OPERATING SYSTEM: FULL AMERICAN NATIONAL STANDARD COBOL COMPILER V4 - PROGRAM LOGIC MANUAL - PROGRAM PRODUCT 5734-CB2

The Program Logic Manual describes the internal design or logic of the subject program. This manual is intended for persons involved in program maintenance and for system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of this publication is limited to persons with maintenance and alteration requirements.

Manual, 540 pages

GY28-6566

IBM SYSTEM/360 CONVERSION AIDS: THE 709/7090/7094/7094 II EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 65 PROGRAM LOGIC MANUAL - PROG. NO. 360C-EU-729

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program

logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.
Program Logic Manual

GY28-6569

IBM SYSTEM/360 CONVERSION AIDS: THE 1410/7010 EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 50 PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360C-EV-726

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.

Manual, 80 pages

GY28-6597

IBM SYSTEM/360 OPERATING SYSTEM, SORT/MERGE PROGRAM LOGIC MANUAL, (PROGRAM NUMBER 360S-SM-023)

This publication describes the internal logic of the IBM System/360 Operating System sort/merge program. This program logic manual is directed to the IBM customer engineer who is responsible for program maintenance. It can be used to locate specific areas of the program, and it enables the reader to relate these areas to the corresponding program listings. Because program logic information is not necessary for program operation and use, distribution of this manual is restricted to persons with program-maintenance responsibilities.

This version of the sort/merge program is designed

to:

- Sort a data set using as intermediate storage the IBM 2400 Series (7- or 9-Tracks) Magnetic Tape Unit, or the IBM 2311 Disk Storage Drive, or the IBM 2314 Direct Access Storage Facility, or the IBM 2301 Drum Storage.

- Merge up to 16 previously sorted data sets.

Program Logic Manual, 112 pages

GY28-6599

IBM SYSTEM/360 CONVERSION AIDS: THE 7040/7044 EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 65 PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360C-EU-733

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.

Manual, 148 pages

GY28-6601

IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (E) PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-FO-092

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 196 pages

GY28-6604

SYSTEM/360 OPERATING SYSTEM (OS) SEQUENTIAL ACCESS METHOD (SAM) LOGIC MANUAL - PROGRAM NUMBER 360S-DM-508

This manual describes the internal logic of the GET, PUT, READ, WRITE, (and associated) modules for the queued sequential access method (QSAM), the basic sequential method (BSAM), and the basic partitioned access method (MPAM) of IBM System/360 Operating System. Sequential access method (SAM) executors and appendages are also described.

The manual is intended for use by persons involved in programming maintenance, and system programmers who are altering the program design.

The SAM routines used for optional character readers, magnetic character readers, and optical reader sorters are discussed in separate publications. They are indexed in the IBM System/360 and System/370 Bibliography, Order Number GA22-6622.

Prerequisite Publications

Before reading this publication, the reader should be familiar with the contents of:

- OS MVT Guide, Order Number GC28-6720
- OS MFT Guide, Order Number GC27-6939

Manual, 276 pages

GY28-6605

IBM SYSTEM/360 OPERATING SYSTEM: INTRODUCTION TO CONTROL PROGRAM LOGIC, PROGRAM NUMBERS 360S-CI-505 360S-DM-508
This publication describes the components of the primary control program (PCP) configuration of IBM System/360 Operating System and indicates the program logic manuals that describe these components. It contains general descriptions of the organization of the control program in both main and auxiliary storage, the flow of program control during a job step, the flow of control for supervisor operation, and the processing for input/output operations. Appendix A contains the names, numbers, and macro instructions associated with the IBM-supplied SVC routines.

This manual is intended for persons involved in program maintenance, and system programmers who are altering the program design. Program logic information is not necessary for use and operation of the program.
Program Logic Manual, 40 pages

GY28-6606

IBM SYSTEM/360 OPERATING SYSTEM CATALOG MANAGEMENT PROGRAM LOGIC MANUAL

This manual provides detailed information on catalog management routines. These routines record identification of volumes used by data sets by maintaining information in logical records called indexes. The functions and structures of the routines are described, as are their relationships to other portions of IBM System/360 Operating System. This manual also describes the structure of catalog data sets that contain the indexes processed by catalog management routines.

Program Logic Manual, 64 pages

GY28-6607

SYSTEM/360 OPERATING SYSTEM - DIRECT ACCESS DEVICE SPACE MANAGEMENT ROUTINES - LOGIC MANUAL

Provides detailed information about the direct-access device space management (DADSM) routines. The DADSM routines allocate and release space on a direct-access storage volume by altering the volume table of contents. This publication describes how these routines operate and how they relate to each other and to the control program (OS); it also describes data set control blocks, which make up the volume table of contents.

The intended audience is persons who maintain the DADSM routines and system programmers who wish to alter the design of these routines. Cross-references to module names and to labels within each module of the DADSM routines are provided, as are descriptions of data areas, and methods of diagnosing DADSM problems.
Manual, 144 pages

GY28-6609

OS OPEN/CLOSE/EOV LOGIC, PROG. NO. 360S-DM-508

This Program Logic Manual describes the internal logic of the routines of the queued sequential access method, the basic sequential access method, and the basic partitioned access method of the IBM System/360 Operating System. The sequential access method routines used for optical character readers, magnetic character readers, and optical reader sorters are discussed in separate publications relating to these devices. They are indexed in the IBM SYSTEM/360 BIBLIOGRAPHY, Order No. GA22-6622. Program Logic Manuals are intended for use by persons involved in program maintenance, and by system programmers who are altering the program design. Program logic information is not necessary for program operation and use.
Manual, 211 pages

GY28-6610

IBM SYSTEM/360 OPERATING SYSTEM LINKAGE EDITOR PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-ED-510 (LEVEL E)

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

System Reference Library Manual, 148 pages

GY28-6611

IBM SYSTEM/360 OPERATING SYSTEM TESTRAN PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-PT-516

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.

Manual, 128 pages

GY28-6612

IBM SYSTEM/360 OPERATING SYSTEM FIXED TASK SUPERVISOR PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-CI-505

This publication describes the internal logic of the Primary Control Program (PCP) Supervisor. The PCP Supervisor is a part of the IBM System/360 Operating System control program. The PCP Supervisor performs the following task management functions:

- Interruption Supervision
- Task Supervision
- Main Storage Supervision
- Contents Supervision
- Program Fetch
- Overlay Supervision
- Time Supervision
- System Environment Recording
- Checkpoint/Restart

This manual is intended for use by persons involved in program maintenance, or system programmer who are altering the program design; it is not needed for normal use or for operation of the program described.

Program Logic Manual, 120 pages

GY28-6613

IBM SYSTEM/360 OPERATING SYSTEM: JOB MANAGEMENT PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-CI-505

This publication describes the internal logic within the job management portion of the IBM System/360 Operating System Primary Control Program. Job management prepares jobs for execution, and directs the disposition of data sets created during job execution. It also handles all communication between the operator and the primary control program. Included in the publication are descriptions of tables and work areas used by the job management routines and a directory of names and purposes of control sections assembly modules, and load modules.

The information contained in this publication applies only to the primary control program.

This manual is intended for persons involved in program maintenance, and system programmers who are altering the program design. Program logic information is not necessary for use and operation of the program.
Program Logic Manual, 170 pages

GY28-6614

IBM SYSTEM/360 OPERATING SYSTEM: UTILITIES, PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-UT-506

This publication describes the internal logic of the utility programs provided for the IBM System/360 Operating System:

- System utilities, which are executed under the operating system to manipulate system data sets such as catalogs.
 - Data set utilities, which are executed under the operating system to work with data sets at the logical-record level.
 - Independent utilities, which are executed outside of the operating system to dump, restore, and recover data, and to initialize and assign alternate tracks on direct access devices.
- In addition to descriptive text, this publication contains flowcharts of the programs, figures showing the formats of the major tables and records, and an appendix that lists the modules of the utility programs.
- This manual is intended for persons involved in program maintenance, and system programmers who are altering the program design. Program logic information is not necessary for use and operation of the program.
- Information concerning Model 195 support is for planning purposes only.
Systems Reference Library Manual, 402 pages

GY28-6616

SYSTEM/360 OPERATING SYSTEM/OS INPUT/OUTPUT (I/O) SUPERVISOR LOGIC MANUAL - PROGRAM NUMBER 360S-CI-505

This publication describes the input/output supervisor, which consists of the control program routines that carry on input/output activity for the Operating System. Input/output supervisor routines start, monitor, and where necessary, restart activity on input/output devices. Following an introduction, there is a method of operation section in this publication which is organized to reflect the sequence of events that takes place when the input/output supervisor receives a request for input/output (I/O) activity:

- o Validating Input Data
- o Scheduling I/O Operations
- o Starting I/O Operations
- o Terminating I/O Operations
- o Restarting I/O Operations
- o Recording Error DTA

The remaining sections of this publication support the method of operation section, and include descriptions of program organization, directories for PLM-to-listing and listing-to-PLM transitions, descriptions of data areas, diagnostic aids, and appendixes.

This manual is intended for persons involved in program maintenance, and system programmers who are altering the program design. Program logic information is not necessary for the use and operation of the program.

Manual, 316 pages

GY28-6617

SYSTEM/360 OPERATING SYSTEM BDAM LOGIC MANUAL
PROGRAM NUMBER 360S-DM-509

This book describes the internal logic of the basic direct access method (BDAM). It is intended as a reference book for programming support representatives and system programmers maintaining BDAM routines and for customer programmers modifying BDAM routines.

A general understanding of data management is prerequisite knowledge for understanding the information in this book. See Data Management Services Guide, GC26-3746, for background information on data management.
Manual, 112 pages

GY28-6618

SYSTEM/360 OPERATING SYSTEM ISAM LOGIC MANUAL
PROGRAM NUMBER 360S-IO-526

Describes the program logic of the queued indexed sequential access method and the basic indexed sequential access method (BISAM). Discusses the relationship of indexed sequential access method routines with other parts of the control program.
Manual, 290 pages

GY28-6638

IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (G)
COMPILER PROGRAM LOGIC MANUAL
PROGRAM NUMBER 360S-FO-520

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.
Systems Reference Library Manual, 252 pages

GY28-6642

IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (H) COMPILER
PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-FO-500

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.
Systems Reference Library Manual, 260 pages

GY28-6645

IBM SYSTEM/360 DISK OPERATING SYSTEM TAPE AND DISK
SORT/MERGE PROGRAM LOGIC MANUAL PROGRAM NUMBER 360N-SM-483

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.
Systems Reference Library Manual, 128 pages

GY28-6651

IBM SYSTEM/360 OPERATING SYSTEM RELEASE 20
ON-LINE TEST EXECUTIVE PROGRAM PROGRAM LOGIC MANUAL
PROGRAM NUMBER 360S-DN-533

No abstract available.
Manual, 125 pages

GY28-6659

IBM SYSTEM/360 OPERATING SYSTEM MVT SUPERVISOR
PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-CI-535

This publication describes the internal logic of the MVT supervisor. The MVT supervisor is one part of the control program of the IBM System/360 Operating System. The supervisor controls the basic computing system and programming resources needed to perform several data processing tasks concurrently. Specifically, it was designed to:

- 1) Handle interruptions
- 2) Supervise tasks
- 3) Control programs in main storage
- 4) Control main storage itself
- 5) Supervise the timer
- 6) Supervise console communications and the system log
- 7) Handle checkpoint restarts
- 8) Supervise exiting procedures
- 9) Supervise termination procedures

Program Logic Manuals are intended for use by IBM customer engineers involved in program maintenance, and by system programmers involved in altering the program design. Program logic information is not necessary for program operation and use.

The information in this publication applies only to systems capable of multiprogramming with a variable number of tasks (MVT). Information concerning Model 195 support is for planning purposes only.

Program Logic Manual, 600 pages

GY28-6660

IBM SYSTEM/360 OPERATING SYSTEM: MVT JOB MANAGEMENT,
PROGRAM LOGIC MANUAL, PROGRAM NUMBER 360S-CI-535

This publication describes the internal logic of the Job Management routines for the MVT control program of the IBM System/360 Operating System. Included are discussions of input stream processing, work queue management, job initiation and termination, I/O device allocation, system output processing, and the scheduling and execution of operator commands.

This manual is intended for persons involved in program maintenance, or system programmers who are altering the program design; it is not necessary for use and operation of the program.

Program Logic Manual, 370 pages

GY28-6661

IBM SYSTEM/360 OPERATING SYSTEM INITIAL PROGRAM LOADER AND
NUCLEUS INITIALIZATION PROGRAM PROGRAM LOGIC MANUAL
PROGRAM NUMBER 360S-CI-535

This publication presents the internal logic of the IBM System/360 Operating System Initial Program Loader and Nucleus Initialization Program and is to be used as a guide to the program listings. The operation of the Nucleus Initialization Program in each of the three control program environments (PCP, MFT, MVT) is described in the section dealing with the Nucleus Initialization Program. Additional initialization procedures for multiprocessing systems are included. The table, work areas, and control blocks are illustrated in the publication, as well as flowcharts illustrating the logic flow of the Initial Program Loader and the Nucleus Initialization Program.

This publication is intended for personnel involved in program maintenance and system programmers who are altering the system design. Program logic information is not necessary for the use and operation of the control program.

Program Logic Manual, 92 pages

GY28-6667

IBM SYSTEM/360 OPERATING SYSTEM LINKAGE EDITOR (F)
PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-ED-521

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 180 pages

GY28-6688

INTERNAL LOGIC MANUAL FOR THE IBM 2947-4 CHECK COLLECTION
CONTROLLER SEQUENTIAL ACCESS METHOD - PROGRAM SUPPORT
RPO 888264 - PROGRAM NUMBERS 5799-WAF 5799-WAG

This publication describes the internal logic of the Check Collection Sequential Access Method (CSAM) program, which contains the data-management macro instructions and services for the IBM 2947 Model 4 Check Collection Controller. CSAM can be used with either the IBM Operating System/360 or the Disk Operating System/360.

To explain their differences and similarities, this publication has text introductions, method of operation diagrams, flowcharts, data-area formats, program organization and descriptions.

Program Logic Manual, 66 pages

LY28-6696

IBM SYSTEM/360 DISK OPERATING SYSTEM: TAPE AND DISK
SORT/MERGE PROGRAM - PROGRAM NUMBER 5736-SM1

This publication describes the internal logic of the IBM System/360 Disk Operating System Tape and Disk Sort/Merge Program. It describes the functions performed by specific areas of the program and is intended for persons involved in program maintenance, and system programmers who are altering the program design, program logic information is not necessary for use and operation of the program. In addition to the functional descriptions, this publication contains flowcharts, a microfiche directory, table layouts, and diagnostic aids.

Program Logic Manual, 135 pages

GY28-6714

IBM SYSTEM/360 OPERATING SYSTEM LOADER -
PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360C-LD-547

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications

should be limited to persons with maintenance and alteration requirements.

The Loader functions a processing program to combine and link input subject and load modules in main storage and to pass control directly to the loaded program for its execution. This publication identifies areas of the program that perform specific functions and relates those areas to the program listing.
Systems Reference Library Manual, 140 pages

GY28-6717

IBM SYSTEM/360 OPERATING SYSTEM PROGRAM LOGIC MANUAL
MASTER INDEX

This publication consolidates the indexes of program logic manuals for the IBM System/360 Operating System. It also provides a reading plan for program logic manuals.

The master index lists topics alphabetically, and refers to manuals where these topics are discussed. The indexes of these manuals list the same topics and refer to specific pages.
Manual, 506 pages

GY28-6721

IBM SYSTEM/360 OPERATING SYSTEM: SERVICE AIDS
PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-DN-554

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.
Manual, 392 pages

SY28-6746

IBM 2969 PROGRAMMABLE TERMINAL INTERCHANGE MODEL 1
CONTROL PROGRAM DESIGN SPECIFICATIONS SUPPORTING
RPO 888117

This publication contains the design specifications for the IBM 2969 Programmable Terminal Interchange Model 1, Control Program (APTIOS). The specifications are arranged by area according to a cross-reference number. Thus, the specifications dealing with a particular system area (e.g., ILP/Restate/Initialization) are found in one section of the manual. Within each section, the specifications are arranged in sequence by document number.
Manual, 2,925 pages

LY28-6761

OS/MFT, OS/MVT, AND OS/VS DATA SET UTILITIES SUPPORT FOR
ASCII: LOGIC MANUAL, PROG. NO. 5734-UT2

This publication describes the internal logic of the System/360 Operating System data set utilities that support the American National Standard Code for Information Interchange (ASCII). This support is a program product that permits users to create and maintain both ASCII and EBCDIC data sets even through all System/360 internal operations are in EBCDIC mode.

This publication is intended for persons involved in program maintenance, and for system programmers who are altering the program design. The information in this manual is not necessary for the use and operation of the utility programs.
Program Product Logic Manual, 252 pages

LY28-6766

IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION
UTILITIES: COPY, FORMAT, LIST, MERGE
PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5734-UT1

The Program Logic Manual describes the internal design or logic of the subject program. This manual is intended for persons involved in program maintenance and for system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of this publication is limited to persons with maintenance and alteration requirements.
Manual, 394 pages

GY28-6770

OS TSO TERMINAL MONITOR PROGRAM AND SERVICE ROUTINES PLM,
PROGRAM NUMBER 360S-CI-555

This publication consists of self-contained chapters, each of which provides information on how to modify, extend, or implement the data management capabilities of the IBM System/360 Operating System control program. It is designed primarily for system programmers responsible for maintaining, updating, and extending the operating system features.

Topics:

Catalog and VTOC Maintenance
IECDSECT, IEFJFCBN, AND IEFUCBOB Macro Instructions
The EXCP Macro Instruction
The XDAP Macro Instruction
Implementing Data Set Protection
Adding a UCS Image to the System Library
Program Logic Manual, 546 pages

GY28-6771

IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION
COMMAND PROCESSOR PROGRAM LOGIC MANUAL, VOLUME 1, ACCOUNT
PROGRAM NUMBER 360S-CI-555

This publication describes the internal logic of the programs that handle the ACCOUNT command and its ADD, CHANGE, DELETE, and LIST subcommands. It also describes the internal logic of the ACCOUNT SUBROUTINES AND THE ACCOUNT BROADCAST interface.

The command processors are described with method of operation diagrams, flowcharts, and supporting text. Major data areas are shown, and directories for routines and principal data areas are provided.

This manual is intended for persons involved in program maintenance, or systems programmers who are altering the program design; it is not intended for normal use or operation of the program described.
Manual, 415 pages

GY28-6772

IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION
COMMAND PROCESSOR PROGRAM LOGIC MANUAL, VOLUME 2,
ALLOCATE, CALL, CANCEL/STATUS, DELETE,
PROGRAM NUMBERS 360S-CI-555, 360S-UT-506

This publication describes the internal logic of the programs that handle the ALLOCATE, CALL, CANCEL/STATUS, and DELETE commands.

The command processors are described with method of operation diagrams, flowcharts, and supporting text. Major data areas are shown, and directories for routines and principal data areas are provided.

This manual is intended for persons involved in program maintenance, or systems programmers who are altering the program design; it is not intended for normal use or operation of the program described.
Manual, 210 pages

GY28-6773

IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION
COMMAND PROCESSOR PROGRAM LOGIC MANUAL, VOLUME 3, EDIT
PROGRAM NUMBER 360S-UI-506

This publication describes the internal logic of the EDIT Command Processor program (Program Number 360S-UI-506). Included in this manual are discussions of the organization and method of operation of the program, a microfiche directory, tables of data layouts, flowcharts, and a glossary.

Program Logic Manual (GY28-6770) contains prerequisite information. Corequisite publications are:
IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION:

COMMAND LANGUAGE REFERENCE (GC28-6732)

COMMAND PROCESSOR PROGRAM LOGIC MANUAL, VOLUME 4

(GY28-6774)

COMMAND PROCESSOR PROGRAM LOGIC MANUAL VOLUME 6

(GY28-6774)

TSO DATA UTILITIES COPY, FORMAT, LIST, MERGE

USER'S GUIDE AND REFERENCE MANUAL (LY28-6766)
Manual, 475 pages

GY28-6774

IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION
COMMAND PROCESSOR PROGRAM LOGIC MANUAL, VOLUME 4,
EXEC, FREE, HELP, LINK, LISTALC, LISTBC -
PROGRAM NUMBERS 360S-CI-555, 360S-UT-506

This publication describes the internal logic of the programs that handle the EXEC, FREE, HELP, LINK, LISTALC, and LISTBC commands.

The command processors are described with method of operation diagrams, flowcharts, and supporting text. Major data areas are shown, and directories for routines and principal data areas are provided.

This manual is intended for persons involved in program maintenance, or systems programmers who are altering the program design; it is not intended for normal use or operation of the program described.
Manual, 325 pages

GY28-6775

IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION
COMMAND PROCESSOR PROGRAM LOGIC MANUAL, VOLUME 5, LISTCAT,
LISTDS, LOADGO, OPERATOR, OUTPUT -
PROGRAM NUMBERS 360S-CI-555, 360S-UT-506

This publication describes the internal logic of the programs that handle the LISTCAT, LISTDS, LOADGO, OPERATOR, and OUTPUT commands.

The command processors are described with method of operation diagrams, flowcharts, and supporting text. Major data areas are shown, and directories for routines and principal data areas are provided.

This manual is intended for persons involved in program maintenance, or systems programmers who are altering the program design; it is not intended for normal use or operation of the program described.
Manual, 375 pages

GY28-6776

IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION COMMAND PROCESSOR PROGRAM LOGIC MANUAL, VOLUME 6, PROFILE, PROTECT, RENAME, RUN, SEND, SUBMIT, TERMINAL, TIME, WHEN/END - PROGRAM NUMBERS 360S-CI-555, 360S-UT-506
This publication describes the internal logic of the programs that handle the PROFILE, PROTECT, RENAME, RUN, SEND, SUBMIT, TERMINAL, TIME, and WHEN/END commands.

The command processors are described with method of operation diagrams, flowcharts, and supporting text. Major data areas are shown, and directories for routines and principal data areas are provided.

This manual is intended for persons involved in program maintenance, or systems programmers who are altering the program design; it is not intended for normal use or operation of the programs described.
Manual, 474 pages

GY28-6777

IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION COMMAND PROCESSOR PROGRAM LOGIC MANUAL, VOLUME 7, TEST
This publication describes the internal logic of the TSO Test Command Processor. It contains text introductions, method-of-operation diagrams, flowcharts, data area formats, program organization descriptions, and a module directory.

The Test Command Processor allows a terminal user to test an assembly language program. The program may be running normally in main storage, may have begun to ABEND, or may not yet have been loaded. The Test Command Processor performs the following main functions:

- o Loads the program to be tested, if it is not already in main storage
- o Interrupts the program under test at a specified location or locations, so that the user can display or patch parts of the program
- o Displays selected areas of the program in main storage or the contents of specified registers
- o Changes the contents of specified program locations in main storage or the contents of specified registers
- o Starts the program under test from its starting location, from its ABEND address, or from any other specified address

This publication is written for persons who maintain or modify TSO and is not required by persons who use TSO to process programs or who write programs that are processed by TSO.

Program Logic Manual, 300 pages

GY28-6800

IBM SYSTEM/360 OPERATING SYSTEM, PL/I (F) COMPILER PROGRAM LOGIC MANUAL, PROGRAM NUMBER 360S-NL-511

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 452 pages

GY28-6801

IBM SYSTEM/360 OPERATING SYSTEM, PL/I SUBROUTINE LIBRARY, PROGRAM LOGIC MANUAL, PROGRAM NUMBER 360S-IM-512

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 244 pages

GY28-6811

IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM ASSEMBLER PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360F-AS-616

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 142 pages

GY28-6812

IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM SUPERVISOR AND JOB CONTROL PROGRAM LOGIC MANUAL PROGRAM NUMBERS 360F-IO-613 360F-CL-614

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended

for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 240 pages

GY28-6813

IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM LINKAGE EDITOR PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360F-ED-615

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 134 pages

GY28-6814

IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM UTILITIES AND STAND ALONE PROGRAMS PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 360F-UT-606 360F-UT-607 360F-UT-608 360F-UT-609 360F-UT-610 360F-UT-611 360F-UT-612 360F-UT-617 360F-UT-620

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 174 pages

GY28-6815

IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM FORTRAN IV COMPILER PROGRAM NUMBER 360F-FO-618

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 236 pages

GY28-6816

IBM SYSTEM/360 CONVERSION AIDS 1620 SIMULATOR FOR IBM SYSTEM/360 MODEL 44 PROGRAM LOGIC MANUAL - 360C-SI-755

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 112 pages

GY28-6831

IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV SYNTAX CHECKER PROGRAM NUMBER 360S-FO-550

This publication describes the internal logic of the FORTRAN IV Syntax Checker, which is a component of the IBM SYSTEM/360 Operating System Conversational Remote Job Entry (CRJE). Thus, the reader is required to have a knowledge of FORTRAN IV and an understanding of the concepts and facilities of CRJE. The publication identifies areas of the syntax checker that perform specific functions and relates those areas to the program listings.

The FORTRAN IV Syntax Checker, a processing program called via the terminal command language of CRJE, scans input written for the E, G, or H levels of the FORTRAN IV language for syntactical errors. The input is checked on a single-statement basis, i.e., no cross-checking between statements is performed. The syntax checker:

- receives FORTRAN source statements in a chain of buffers from CRJE.
- scans these statements for errors; multiple errors in one statement are diagnosed whenever possible.
- sends appropriate error messages to CRJE for printing at the user's terminal.

This program logic manual is directed to the IBM customer engineer who is responsible for program maintenance. Because program logic information is not necessary for program operation and use, distribution of this manual is restricted to persons with program maintenance responsibilities.
Program Logic Manual, 128 pages.

LY28-6832

IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC INTRODUCTION AND METHOD OF OPERATIONPROGRAM NUMBERS 5734-RC1, 5734-RC3, 5736-RC1, 5736-RC2

This publication describes the internal logic of the Interactive Terminal Facility (ITF) that operates under System/360 Operating System (OS) or System/360 Disk Operating System (DOS). It is intended for use by persons involved in program maintenance. Program logic information is not necessary for the use and operation of the ITF; therefore, distribution of this publication is limited to licensees who have the aforementioned requirement.

This publication is one section of the ITF program logic manual. Please refer to the Preface for a list of other sections that, together with this one, form the ITF program logic manual.

Program Product Logic Manual, 66 pages

LY28-6833

IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC INITIALIZATION SYSTEM CONTROL, AND SYSTEM SUPPORT PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 5734-RC1, 5734-RC3, 5736-RC1, 5736-RC2

This publication describes the internal logic of the Interactive Terminal Facility (ITF) that operates under System/360 Operating System (OS) or System/360 Disk Operating System (DOS). It is intended for use by persons involved in program maintenance. Program logic information is not necessary for the use and operation of the ITF; therefore, distribution of this publication is limited to licensees who have the aforementioned requirement.

This publication is one section of the ITF program logic manual. Please refer to the Preface for a list of other sections that, together with this one, form the ITF program logic manual.

Program Product Logic Manual, 270 pages

LY28-6834

IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC LANGUAGE COMPONENT CONTROLLER PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 5734-RC1, 5734-RC3, 5736-RC1, 5736-RC2

This publication describes the internal logic of the ITF under OS or DOS for persons involved in program maintenance. It is only one section of the PLM. This third section of the PLM for DOS or OS ITF users should be preceded by LY28-6832 Introduction and Method of Operation, and LY28-6833 Initialization, System Control and System Support Components. For PL/I-only users it should be followed by LY28-6835 and LY28-6837 Language Component and LY28-6840 Index. For BASIC users only substitute LY28-6836 for LY28-6835. Users of both PL/I and BASIC should refer to all four.

Program Product Logic Manual, 10 pages

LY28-6835

IBM SYSTEM/360 OS/DOS ITF PL/I PROGRAM LOGIC LANGUAGE COMPONENT: PL/I ROUTINESPROGRAM NUMBERS 5734-RC1, 5736-RC1

This publication describes the internal logic of the Interactive Terminal Facility (ITF) that operates under System/360 Operating System (OS) or System/360 Disk Operating System (DOS). It is intended for use by persons involved in program maintenance. Program logic information is not necessary for the use and operation of the ITF; therefore, distribution of this publication is limited to licensees who have the aforementioned requirement.

This publication is one section of the ITF program logic manual. Please refer to the Preface for a list of other sections that, together with this one, form the ITF program logic manual.

Program Product Logic Manual, 102 pages

LY28-6836

IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC LANGUAGE COMPONENT: BASIC ROUTINESPROGRAM NUMBERS 5736-RC2, 5734-RC3

This publication describes the internal logic of the Interactive Terminal Facility (ITF) that operates under System/360 Operating System (OS) or System/360 Disk Operating System (DOS). It is intended for use by persons involved in program maintenance. Program logic information is not necessary for the use and operation of the ITF; therefore, distribution of this publication is limited to licensees who have the aforementioned requirement.

This publication is one section of the ITF program logic manual. Please refer to the Preface for a list of other sections that, together with this one, form the ITF program logic manual.

Program Product Logic Manual, 170 pages

LY28-6837

IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC LANGUAGE COMPONENT: COMMON ROUTINES AND REFERENCE DATAPROGRAM NUMBERS 5734-RC1, RC3, 5736-RC1, RC2

This publication describes the internal logic of the Interactive Terminal Facility (ITF) that operates under System/360 Operating System (OS) or System/360 Disk Operating System (DOS). It is intended for use by persons

involved in program maintenance. Program logic information is not necessary for the use and operation of the ITF; therefore, distribution of this publication is limited to licensees who have the aforementioned requirement.

This publication is one section of the ITF program logic manual. Please refer to the Preface for a list of other sections that, together with this one, form the ITF program logic manual.

Program Product Logic Manual, 138 pages

LY28-6840

INDEX FOR THE OS/DOS ITF PLM, PROG. NOS. 5734-RC1 AND 3, 5736-RC1 AND 2

This publication is the last section of the OS/DOS ITF program logic manual. Its preface lists the other sections that will complete the form of PLM required.

Index, 16 pages

LY28-6842

IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) INTERACTIVE TERMINAL FACILITY PROGRAM LOGIC INITIALIZATION, SYSTEM CONTROL, AND SYSTEM SUPPORT PROGRAM NUMBERS 5734-RC2, 5734-RC4

This publication describes the internal logic of ITF (Interactive Terminal Facility) that operates under System/360 Operating System with TSO (Time Sharing Option). It is intended for use by persons involved in program maintenance. Program logic information is not necessary for the use and operation of ITF; therefore, distribution of this publication is limited to licensees who have the aforementioned requirement.

This publication is one section of the ITF program logic manual. Please refer to the preface for a list of other sections that, together with this one, form the ITF program logic manual.

Manual, 98 pages

LY28-6845

IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) INTERACTIVE TERMINAL FACILITY PROGRAM LOGIC INDEXPROGRAM NUMBERS 5734-RC2, 5734-RC4

This publication describes the internal logic of ITF (Interactive Terminal Facility) that operates under System/360 Operating System with TSO (Time Sharing Option). It is intended for use by persons involved in program maintenance. Program logic information is not necessary for the use and operation of ITF; therefore, distribution of this publication is limited to licensees who have the aforementioned requirement.

This publication is one section of the ITF program logic manual. Please refer to the Preface for a list of other sections that, together with this one, form the ITF program logic manual.

Program Product, 26 pages

LY28-6846

IBM SYSTEM/360 OPERATING SYSTEM CODE AND GO FORTRAN PREPROCESSOR PROGRAM LOGIC MANUALPROGRAM NUMBER 5734-F01

This publication describes the internal logic of the Code and Go FORTRAN IV compiler.

Program Logic Manuals are intended for use by IBM customer engineers involved in program maintenance, and by systems programmers involved in altering the program design. Program logic information is not necessary for program operation and use; therefore, distribution of this manual is limited to persons with program maintenance or modification responsibilities.

The Code and Go FORTRAN IV compiler is a processing program of the IBM System/360 Operating System. It translates one or more source programs written in the FORTRAN language into System/360 executable machine code and then initiates execution of that code under the Time Sharing Option of the operating system.

Program Product, 364 pages

SY28-6849

OS/VS1 RES RTAM AND WORKSTATION SUPPORT LOGIC - PROGRAM NUMBER 5741-SC1-BB

This logic manual is written for customer engineers and others who require information regarding the internal operation of RTAM (Remote Terminal Access Method), which is the access method used by RES (Remote Entry Services); RTAM is the major component of RES. Other components of RES are described when such information is needed for understanding RES.

The functions are presented in diagram form (HIPO diagrams) at a relatively high level. The diagrams include reference to labels in the program listing, which is to be used in conjunction with this logic manual. The manual includes description of data areas used by more than one module. Also included are such diagnostic aids as cross-references of messages and modules, contents of control bytes for record compression and/or interleaving, and the storage layout of RES components.

Manual, 164 pages

LY28-6856

*M

IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (G1) COMPILER PLM
PROGRAM NUMBER 5734-FO2
 This publication describes the internal logic of the FORTRAN IV (G1) compiler.

The FORTRAN IV (G1) compiler, an extended version of FORTRAN IV (G), is adapted to a time sharing as well as a batch environment. It is a program product that operates under the IBM System/360 Operating System. It provides the ability to store object programs and to produce source and object listings storage maps and object decks. In addition, the FORTRAN IV (G1) compiler produces a tense form of output comprised of error messages and compiler statistics, suitable for terminal display.

This program logic manual is intended for use by persons involved in program maintenance. Program logic information is not necessary for the use and operation of the FORTRAN (G1) compiler; therefore, distribution of this publication is limited to licensees who have the aforementioned requirement.

Program Logic Manual, 248 pages

GY28-7106

IBM SYSTEM/360 OPERATING SYSTEM UPDATE ANALYSIS PROGRAM
PROGRAM LOGIC MANUAL
PROGRAM NUMBER 360S-UT-506

This publication describes the internal logic of the Update Analysis Program, a component of the IBM System/360 Operating System. The publication is intended for use by persons involved in program maintenance, and system programmers who are altering the program design. Program logic information is not necessary for use and operation of the program; therefore, distribution of this publication is limited to those with the aforementioned requirements.

Program Logic Manual, 21 pages

GY30-2001

IBM SYSTEM/360 OPERATING SYSTEM BASIC TELECOMMUNICATIONS
ACCESS METHOD PROGRAM LOGIC MANUAL
PROGRAM NUMBER 360S-CQ-513

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 184 pages

GY30-2002

IBM SYSTEM/360 OPERATING SYSTEM QUEUED TELECOMMUNICATIONS
ACCESS METHOD PROGRAM LOGIC MANUAL
PROGRAM NUMBER 360S-CQ-519

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 314 pages

GY30-2005

PROGRAM NUMBER 360S-RC-536
IBM SYSTEM/360 OPERATING SYSTEM BASIC TELECOMMUNICATIONS
ACCESS METHOD

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 256 pages

GY30-2006

IBM SYSTEM/360 BASIC OPERATING SYSTEM, BASIC PROGRAMMING
SUPPORT REMOTE JOB ENTRY WORK STATION PROGRAM
PROGRAM NUMBERS 360B-CQ-311-(BOS), 360P-CQ-218-(BPS)
PROGRAM LOGIC MANUAL

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 50 pages

GY30-2011

OS/MFT, OS/MVT, AND OS/VS1: CRJE LOGIC
PROG. NO. 360S-RC-551 (MFT/MVT), 5741-SC1-0A (VS1)
 This publication describes the internal logic of the Conversational Remote Job Entry (CRJE) facility of

OS/MFT, OS/MVT, and OS/VS1. CRJE provides Remote Job Entry capability for users at remote keyboard terminals that are connected to an IBM System/360 or IBM System/370 via communications lines.

This manual is intended for use by personnel involved in program maintenance and by system programmers who are altering the program design. Program logic information is not necessary for the operation of the programs described.

Program Logic Manual, 350 pages

GY30-2027

IBM SYSTEM/360 OPERATING SYSTEM TCAM SERVICEABILITY AIDS:
PROGRAM LOGIC MANUAL, PROGRAM NUMBER 360S-CQ-548

This publication describes the internal logic of the Operating System Telecommunications Access Method Serviceability Aids. It is intended for use by IBM Program Support representatives and system programmers who are altering the program design.

Program Logic Manual, 208 pages

GY30-2029

OS MFT/MVT TCAM LOGIC, PROG. NO. 360S-CQ-548

The IBM System/360 Telecommunications Access Method (TCAM) allows high-level, device-independent communication with telecommunications equipment. This program provides a flexible message control language that can be used to achieve installation-oriented message control.

This publication describes the internal logic of TCAM. It identifies and discusses the parts of the program that perform specific functions and relates these parts to the program listing. It is directed to the IBM customer engineers and system engineers who need information on the internal organization and logic of TCAM in order to provide program maintenance.

In order to understand the logic of TCAM, the reader must have a general understanding of IBM System/360 Operating System. In addition, the following are prerequisite publications:

- o IBM SYSTEM/360 OS TCAM CONCEPTS AND FACILITIES, Order No. GC30-2022, to gain familiarity with the overall concepts and structure of TCAM.
- o IBM SYSTEM/360 OS TCAM PROGRAMMER'S GUIDE, Order No. GC30-2024, to learn how to construct and modify a TCAM message control program and a TCAM-compatible application program.

In addition, the IBM SYSTEM/360 OS SYSTEM CONTROL BLOCKS publication, Order No. GC28-6628, provides co-requisite information on system control blocks used by TCAM.

Manual, 500 pages

SY30-2039

OS/VS TCAM LOGIC - PROGRAM NUMBER 5741-SC1-21

This publication describes the internal logic of the OS/VS Telecommunications Access Method (TCAM). The book is intended for IBM programming systems representatives and system engineers who provide program maintenance and who need information on the internal organization and logic of TCAM.

In order to understand the logic of TCAM, the reader must have a general knowledge of OS/VS. In addition, the following prerequisite publications are applicable:

- o OS TCAM Concepts and Facilities, GC30-2022, to gain familiarity with the overall concepts and structure of TCAM.
- o OS/VS TCAM Programmer's Guide, GC30-2034, to learn how to construct and modify a TCAM MCP and a TCAM-compatible application program.

The OS/VS1 System Data Areas publication, SY28-0605, and the OS/VS2 System Data Areas publication, SY28-0606, provide corequisite information on system data areas that are used by TCAM.

Manual, 470 pages

GY30-3000

IBM 3735 PROGRAMMABLE BUFFERED TERMINAL FORM DESCRIPTION
MACRO INSTRUCTIONS AND FORM DESCRIPTION UTILITY
PROGRAM LOGIC MANUAL (OS, DOS, AND VS SYSTEMS)

This publication describes the internal logic of the OS and DOS programming support for the IBM 3735 Programmable Buffered Terminal. The 3735 programming support includes both Form Description (FD) macro instructions and Form Description utility programs to provide the operating environment for applications using preprinted (fixed-format) forms and batch processing.

This publication is intended for IBM programming systems representatives who maintain the 3735 programming support and for customer system programmers who modify that support.

To understand the logic of the 3735 programming support, the reader must have a general understanding of OS or DOS and of the macro language facility of the assembler.

Program Logic Manual, 180 pages

SY30-3001

IBM 3705 COMMUNICATIONS CONTROLLER EMULATION PROGRAM
PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360H-TX-033

This publication is designed to supplement the program listings for the Emulation Program and to make access to the

information in the listings easier.

New techniques are used to help in understanding the program and in referring quickly to listings for details on the implementation. The publication relies on method of operation diagrams that show how the Emulation Program routines operate and that provide functional "maps" (by cross-reference) through the listings.
Manual, 184 pages

SY30-3003

IBM 3705 COMMUNICATIONS CONTROLLER NETWORK CONTROL PROGRAM PLM

This publication covers the internal logic of the IBM 3705 Communications Controller, Network Control Program (NCP). It is designed to supplement the program listings for the NCP and to make access to the information in the listings easier.

The Network Control Program PLM is directed to the IBM program support representatives and system engineers who provide program maintenance and who need information on the internal organization and logic of the NCP.
Manual, 400 pages

LY30-3004

GENERATION AND LOGIC MANUAL FOR PROGRAMMING RPO P85007 SPECIAL START-STOP LINE CONTROL FOR IBM 3705 EMULATION PROGRAM - PROGRAM NUMBER 5799-AGK

This document contains information reflecting changes to the current version of the Emulation Program, VIM2, required for support of special start-stop devices.

Documentation is divided into three sections:

Section 1 - General description of the Special Stop Line Control PRPQ (P85007).

Section 2 - Information relating to areas of the Emulation Program Generation Manual, GC30-3002-1, that are affected by Special Start-Stop Line Control support.

Section 3 - Information relating to areas of the Emulation Program PLM, SY30-3001-0, that are affected by Special Start-Stop Line Control Support.
Manual, 30 pages

LY30-3005

GENERATION AND LOGIC MANUAL FOR PROGRAMMING RPO P85004, SIX BIT TRANSCODE FOR IBM 3705 EMULATION PROGRAM PROGRAM NO. 5799-AGA

This document contains information reflecting changes to the current version of the Emulation Program, VIM2, required for support of Six Bit Transcode, PRPQ P85004. The document is intended for analysts and programmers responsible for the generation and maintenance of the Emulation Program, and for IBM system engineers and field engineers.

These changes affect only the method employed in converting transmitted or received data, rather than the actual functions performed by the Emulation Program. Consequently, only a few changes to the EP PLM, SY30-3001, and EP Generation Manual, GC30-3002, are necessitated by this PRPQ. Only the areas affected by the changes are included in this document.

Documentation is divided into three sections:

Section 1. General description of the Six Bit Transcode PRPQ (P85004)

Section 2. Information relating to areas of the Emulation Program Generation Manual, GC30-3002, that are affected by Six Bit Transcode support.

Section 3. Information relating to areas of the Emulation Program PLM, SY30-3001, that are affected by Six Bit Transcode support.
Manual, 20 pages

GY30-5001

IBM SYSTEM/360 DISK OPERATING SYSTEM BASIC TELECOMMUNICATIONS ACCESS METHOD PROGRAM LOGIC MANUAL PROGRAM NUMBER 360N-CQ-469

This publication describes the internal logic of the Disk Operating System's Basic Telecommunications Access Method (DOS/BTAM). It is intended for use by persons involved in program maintenance and for systems programmers who are altering the program design. Program logic information is not necessary for the use and operation of the program; therefore, distribution of this publication is limited to those with the aforementioned requirements.
Program Logic Manual, 314 pages

GY30-5002

IBM SYSTEM/360 DISK OPERATING SYSTEM QUEUED TELECOMMUNICATIONS ACCESS METHOD PROGRAM LOGIC MANUAL PROGRAM NUMBER 360N-CQ-470

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.
Systems Reference Library Manual, 382 pages

GY33-6003

IBM SYSTEM/360 PL/I LANGUAGE SPECIFICATIONS

This publication is the IBM description of the PL/I language. It does not describe any implementation; nor does it imply that any of the language described has been implemented or will be implemented by IBM. The publication is intended for the use of implementers and programming language designers.
Language Specifications Manual, 243 pages

LY33-6007

OS PL/I OPTIMIZING COMPILER: PROGRAM LOGIC MANUAL PROGRAM NUMBER 5734-PL1

The internal design of the OS PL/I Optimizing Compiler is described in this manual, which is written for use by programmers responsible for maintenance of the compiler. The manual is intended primarily as a guide to analysis of the program listings by people who are generally familiar with the compiler. However, overall and component descriptions are provided for use by readers who have no prior knowledge of the compiler design.
Program Logic Manual, 752 pages

LY33-6008

SYSTEM/360 OPERATING SYSTEM PL/I RESIDENT LIBRARY: PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5734-LM4

The OS PL/I Resident Library consists of standard subroutines that are link-edited with object programs generated by the OS Optimizing Compiler. The library is used in program management, input/output, conversion, and interlanguage communication, and also includes many computational subroutines.

This publication is intended primarily for use by programmers concerned with the maintenance of the resident library. It summarizes, under functional headings, the internal logic of the library subroutines, and gives brief details of the relationships between them.
Manual, 388 pages

LY33-6009

OS PL/I TRANSIENT LIBRARY: PROGRAM LOGIC MANUAL PROGRAM NUMBER 5734-LM5

The OS PL/I Transient Library consists of standard subroutines that are loaded during execution of programs compiled by the OS PL/I Optimizing Compiler or the OS PL/I Checkout Compiler. These subroutines are used in error handling, program management, and input/output to provide storage dumps.

This publication is intended primarily for use by programmers concerned with maintenance of the transient library. It summarizes, under functional headings, the internal logic of the library subroutines and gives brief details of the relationships between them.
Manual, 328 pages

LY33-6010

DOS PL/1 OPTIMIZING COMPILER: PROGRAM LOGIC PROGRAM PRODUCT 5736-PL1

The internal design of the DOS PL/1 Optimizing Compiler is described in this manual, which is written for use by programmers responsible for maintenance of the compiler. The manual is intended primarily as a guide to analysis of the program listings by people who are generally familiar with the compiler. However, overall and component descriptions are provided for use by readers who have no prior knowledge of the compiler design.
Manual, 736 pages

LY33-6011

DOS PL/1 RESIDENT LIBRARY: PROGRAM LOGIC MANUAL PROGRAM NUMBER 5736-LM4

The DOS/PL1 Resident Library consists of standard subroutines that are link-edited with object programs generated by the DOS Optimizing Compiler. The library is used in program management, input/output, conversion, and interlanguage communication, and also includes many computational subroutines.

This publication is intended primarily for use by programmers concerned with the maintenance of the resident library. It summarizes, under functional headings, the internal logic of the library subroutines, and gives brief details of the relationships between them.
Manual, 8-1/2 x 11 inches, 310 pages

LY33-6012

DOS PL/I TRANSIENT LIBRARY - PROGRAM LOGIC MANUAL PROGRAM NUMBER 5736-LM5

The DOS PL/1 Transient Library consists of standard subroutines that are loaded during execution of programs compiled by the DOS PL/1 Optimizing Compiler. These subroutines are used in error handling, program management, and input/output, and to provide storage dumps.

This publication is intended primarily for use by programmers concerned with the maintenance of the transient library. It summarizes, under functional headings, the internal logic of the library subroutines, and gives brief details of the relationships between them.
Manual, 8-1/2 x 11 inches, 152 pages

LY33-6013

OS PL/I CHECKOUT COMPILER PROGRAM LOGIC MANUAL
PROGRAM NUMBER 5734-PL2

This two-volume manual describes the internal logic of the OS PL/I Checkout compiler.

The checkout compiler consists of a translator program and an interpreter program. The translator converts PL/I source programs into instructions in an intermediate code. The interpreter achieves the effect of object-time execution of the coded instructions.

This volume contains a functional description of translation and the logic of the interpretation process. It does not describe the dynamic aspects of interpretation (which are discussed in OS PL/I Checkout Compiler: Execution Logic, Order No. SC33-0032), or the internal logic of the library subroutines (which are discussed in Volume 2 of this manual, Order No. LY33-6014).

It is primarily intended for use by programmers who are responsible for maintenance of the compiler, or who wish to understand program design.
SRL Manual, 764 pages

LY33-6014

SYSTEM/360 OPERATING SYSTEM PL/I CHECKOUT COMPILER
PROGRAM LOGIC, VOLUME 2 OF 2 - PROGRAM NUMBER 5734-PL2

This volume summarizes, under functional headings, the internal logic of the library subroutines, and gives brief details of the relationships between them.

The library is used in program management, input/output, conversion, and interlanguage communications, and also includes many computational subroutines.
Manual, 380 pages

GY33-7006

IBM SYSTEM/360 CONVERSION AIDS: ALGOL-TO-PL/I LANGUAGE
CONVERSION PROGRAM FOR IBM SYSTEM/360 OPERATING SYSTEM,
PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360C-CV-711

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Program Logic Manual, 90 pages

GY33-7007

IBM SYSTEM/360 CONVERSION AIDS: COBOL-TO-PL/I LANGUAGE
CONVERSION PROGRAM FOR IBM SYSTEM/360 OPERATING SYSTEM,
PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360C-CV-712

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Program Logic Manual, 144 pages

GY33-7008

PROGRAM TO EMULATE THE 1401, 1440, AND 1460 ON THE
SYSTEM/370 MODELS 145 AND 155 USING DISK OPERATING
SYSTEM/360 - PROGRAM NUMBER 360N-EU-490

PROGRAM LOGIC MANUAL
No abstract available.

Manual, 342 pages

GY33-7009

PROGRAM TO EMULATE THE 1410 AND 7010 ON THE SYSTEM/370
MODELS 145 AND 155 USING DOS/360 PROGRAM NUMBER 360N-EU-490
PROGRAM LOGIC MANUAL

This publication describes the internal logic of the 1410/7010 Emulator Program for the System/370 Models 145 and 155, using the System/360 Disk Operating System. The emulator program is a problem program executed under control of the System/360 Disk Operating System. The emulator program and the appropriate compatibility feature (#4458 for Model 145, #3950 for Model 155) execute 1410/7010 programs on these System/370 models.

Major topics in this publication are the logic of the emulator program, the functions of the compatibility features, and the logic of the tape formatting programs used with the emulator.

The publication is written to meet the needs of the IBM customer engineer who must maintain the program.
Manual, 292 pages

SY33-7010

MODEL 20 EMULATOR ON SYSTEM/370 USING DOS
LOGIC - PROG. NO. 370N-IC-002

This manual describes the internal logic of the IBM System/360 Model 20 Emulator Program on the IBM System/370 Models 125 and 135. The emulator is a problem program that operates under the control of the IBM System/360 Disk Operating System. IBM Compatibility Feature #7520 must be installed on the System/370.

This publication is intended to be a reference manual for those responsible for emulator program maintenance. Assumed is familiarity with the System/360 Model 20 and DOS. Manual, 190 pages

GY33-7011

1401/1440/1460 OS EMULATOR ON SYSTEM/370 LOGIC - PROGRAM
NUMBERS 5744-AH1 AND 360C-EU-735

This manual describes the internal logic of the IBM 1401/1440/1460 Emulator Program for the IBM System/370 Models 135/145/155. The emulator program runs as a problem program under the OS/MFT, OS/MVT, OS/VS1, and OS/VS2 control programs, and executes object programs written for the IBM 1401, 1440, and 1460 Data Processing Systems (the Model 135 must be equipped with IBM Compatibility Feature #4457; the Model 145 with IBM Compatibility Feature #4457 or #4458; the Model 155 with IBM Compatibility Feature #3950). Note that OS/MVT and OS/VS2 do not run on the Model 135, and that OS/VS1 and OS/VS2 are not yet available on the Model 155.

Described in this manual are the logic of the emulator program; the inter-relationships of the emulator program, the compatibility feature, and the operating system; and the logic of the tape and disk formatting programs used in conjunction with the emulator.

This manual is intended to be a reference manual for those responsible for emulator program maintenance. Assumed is familiarity with the IBM 1401/1440/1460 Data Processing Systems and with the appropriate OS control program.
Manual, 260 pages

GY33-7012

1410/7010 OS EMULATOR ON SYSTEM/370 LOGIC - PROGRAM NUMBERS
5744-AG1 AND 360C-EU-736

This manual describes the internal logic of the IBM 1410/7010 Emulator Program for the IBM System/370 Models 145/155. The emulator program runs as a problem program under the OS/MFT, OS/MVT, OS/VS1, and OS/VS2 control programs, and executes object programs written for the IBM 1410 and 7010 Data Processing Systems (the Model 145 must be equipped with IBM Compatibility Feature #4457 or #4458; the Model 155 with IBM Compatibility Feature #3950). Note that OS/VS1 and OS/VS2 are not yet available on the Model 155.

Described in this manual are the logic of the emulator program; the inter-relationships of the emulator program, the compatibility feature, and the operating system; and the logic of the tape and disk formatting programs used in conjunction with the emulator.

This manual is intended to be a reference manual for those responsible for emulator program maintenance. Assumed is familiarity with the IBM 1410/7010 Data Processing Systems and with the appropriate OS control program.
Manual, 276 pages

GY33-8000

OS ALGOL (F) COMPILER LOGIC - PROGRAM NUMBERS 360S-AL-531
360S-LH-532

This manual describes the internal logic of the ALGOL (F) Compiler. It is intended for the use of IBM field engineers, systems analysts and programmers.

The ALGOL (F) Compiler is a processing program of the IBM System/360 Operating System. It translates a source module written in the ALGOL language into an object module that can be processed into an executable load module by the Linkage Editor.

Manual, 315 pages

GY33-8009

IBM SYSTEM/360 OPERATING SYSTEM, PL/I SYNTAX CHECKER,
PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-PL-552

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.

Program Logic Manual, 240 pages

LY33-8027

IBM SYSTEM/360 OPERATING SYSTEM, SORT/MERGE, PROGRAM LOGIC
MANUAL - PROGRAM NO. 5734-SM1

This publication describes the internal logic of the IBM System/360 Operating System Sort/Merge Program. It describes the functions performed by specific areas of the program and is intended to be used by persons involved in program maintenance or by systems programmers who are altering the program design. It is not needed for normal use or for operation of the program. Included in this publication are flowcharts, storage layouts, a module directory, and diagnostic aids and messages.
Licensed Program Logic Manual, 122 pages

LY33-8039

DOS SORT/MERGE PROGRAM LOGIC MANUAL
PROGRAM NUMBER 5743-SM1

This manual is a guide to the internal organization and logic of program no. 5743-SM1, intended for customer

engineers. Describes program capabilities and system environment, techniques used by the program, and specific program components (using flowcharts). Also includes such aids as:

- o Microfiche directory
- o Table Layouts
- o Register contents at entry to modules
- o Error-message module cross-reference tables
- o Control statement formats
- o Summary of program exits

The user should be familiar with the Disk Operating System service programs, assembler language, macro instructions, and sort/merge program specifications.
Manual, 316 pages

SY33-8041

OS/VS ASSEMBLER LOGIC

This program logic manual is written for customer engineers and programmers maintaining the OS/VS assembler. The manual describes the structure, logic, and operation of the assembler. Method of operation diagrams highlight the inputs, processing, and outputs of the assembler functions. The diagrams are accompanied by text describing the functions in more detail and cross-references to the program elements that perform the functions. Detailed charts show how the assembler phases use main storage and the flow of control and data between the assembler phases. The manual also contains layouts of data areas, information designed to be helpful in debugging, and information about error message origin, macro and copy code usage, meta text flags, internal operation codes, entry points and EXTRN symbols, record formats, and the internal character set.

Prerequisite Publications:

- OS/VS and DCS/VS Assembler Language, Order Number GC33-4010
- IBM System/370 Principles of Operation, Order Number GA22-7000
- IBM System/360 Principles of Operation, Order Number GA22-6821
- OS/VS Assembler Programmer's Guide, Order Number GC33-4021

Manual, 268 pages

GY33-8532

DOS VERSION 4 LOGICAL TRANSIENTS - PROGRAM NUMBER 370N-CL-453

This reference publication describes the internal logic of the IBM Disk Operating System, Logical Transient Programs. It is for persons involved in program maintenance and for system programmers who are altering the program design. Program logic information is not needed for normal operation of these programs. This publication is a supplement to the program listing.

Effective use of this manual requires an understanding of IBM System/370 operation and of IBM Disk Operating System Version 4 control and service programs, macro instructions, and operating procedures. Reference publications for this information are listed in the preface.
Manual, 260 pages

GY33-8533

INTRODUCTION TO DOS VERSION 4 LOGIC - PROGRAM NUMBER 370N-CL-453

This reference publication gives an overall view of the Disk Operating System (DOS), and it briefly describes the associated control and service programs.

It is intended for persons who are involved in program maintenance and for system programmers who are altering the program design. Program logic information is not needed for normal use or operation of the system control program.

This manual is designed to introduce and to cross-reference the six companion PLMs of the Disk Operating System. These associated PLMs are listed in the Preface of this manual.

For titles and abstracts of other associated publications, see the IBM System/360 and System/370 Bibliography, GA22-6822.
Manual, 52 pages

GY33-8534

DOS VERSION 4 SUPERVISOR AND RELATED TRANSIENTS - PROGRAM LOGIC MANUAL - PROGRAM NUMBER 370N-CL-453

This reference publication describes the internal logic of the IBM Disk Operating System, Supervisor and Physical and Recovery Transients Programs. It is for persons involved in program maintenance and for system programmers altering the program design. Program logic information is not needed for normal operation of these programs. This publication is a supplement to the program listing.

Effective use of this manual requires an understanding of IBM System/370 operation and of IBM Disk Operating System Version 4 control and service programs, macro instructions, and operating procedures. Reference publications for this information are listed in the Preface of this manual.
Manual, 472 pages

GY33-8537

DOS VERSION 4 SYSTEM SERVICE PROGRAMS - PROGRAM NUMBER 370N-CL-453

This reference publication describes the internal logic of supervisor-interrelated service programs of the IBM Disk Operating System.

This manual is intended for persons involved in program maintenance and for system programmers altering the program design. Program logic information is not needed for normal use or operation of the system control program. It is designed as a supplement to the program listing.

Its effective use requires an understanding of the IBM System/370 operation and of the IBM Disk Operating System control and service programs, macro instructions, and operating procedures. Reference publications for this information are listed in the preface of this manual.
Manual, 208 pages

GY33-8538

DOS VERSION 4 LINKAGE EDITOR MANUAL - PROGRAM NUMBER 370N-CL-453

This publication describes the internal logic of the IBM Disk Operating System linkage editor program. It is intended for use by persons involved in program maintenance and by system programmers who are altering the program design. Program logic information is not needed for normal operation of the linkage editor program. It is a supplement to the program listing.

Effective use of this manual requires an understanding of IBM System/370 operation and of IBM Disk Operating System control and service programs, macro instructions, and operating procedures.

For titles and abstracts of other associated publications, see the IBM System/360 and System/370 Bibliography, GA22-6822.
Manual, 96 pages

GY33-8539

SYSTEM/370 DOS VERSION 4 LIBRARIAN-PROGRAM LOGIC MANUAL - PROGRAM NUMBER 370N-CL-453

This reference publication describes the internal logic of the IBM Disk Operating System, Librarian Maintenance and Service Programs. Persons involved in program maintenance and system programmers should use this manual when altering the program design. Program logic information is not needed for normal operation of the librarian programs, but is to be used as a supplement to the program listing. Effective use of this manual requires an understanding of IBM System/370 operation and of IBM Disk Operating System control and service programs, macro instructions, and operating procedures. Reference publications for this information are listed in the Preface of this manual. Titles and abstracts of other related publications are listed in the IBM System/360 and System/370 Bibliography, GA22-6822.
Manual, 316 pages

LY33-8540

IBM SYSTEM/360 DISK OPERATING SYSTEM ASCII MAGNETIC TAPE UTILITIES PROGRAM LOGIC MANUAL PROGRAM NUMBER 5736-UT2

This publication describes the internal logic of the IBM System/360 Disk Operating System (DOS) utility programs that can process American National Standard Code for Information Interchange (ASCII) magnetic tape files. The DOS utility programs that utilize direct access storage devices (DASD), but cannot process ASCII files, are described in IBM SYSTEM/360 DISK OPERATING SYSTEM UTILITIES, PROGRAM LOGIC MANUAL, Order No. GY24-5023. The DOS utility programs not using DASD and unable to process ASCII files are similar to the Tape Operating System (TOS) utility programs. These are described in the IBM SYSTEM/360 TAPE OPERATING SYSTEM UTILITY PROGRAMS, PROGRAM LOGIC MANUAL, Order No. GY24-5019. Program logic information is not necessary for the use and operation of the program. This manual, is therefore, intended primarily for use by persons involved in program maintenance and by system programmers who are altering the program design.
Program Logic Manual, 216 pages

GY33-8542

DOS VERSION 4 IPL AND JOB CONTROL MANUAL - PROGRAM NUMBER 370N-CL-453

This reference publication describes the internal logic of the IBM Operating System, Initial Program Load (IPL) and Job Control Programs. It is intended for use by persons involved in program maintenance and by system programmers who are altering the program design. Program logic information is not needed for normal operation of the IPL and Job Control Programs. It is designed to be used as a supplement to the program listing.

Effective use of this manual requires an understanding of IBM System/370 operation and of the IBM Disk Operating System control and service programs, macro instructions, and operating procedures. Reference publications for this information are listed in the Preface of this manual.

For titles and abstracts of other associated publications, see the IBM System/360 and System/370 Bibliography, GA22-6822.
Manual, 268 pages

GY33-8543

DOS VERSION 4 LIOCS INTRODUCTION VOLUME 1 - PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 370N-CL-453, 370N-IO-454, 370N-IO-457, 370N-IO-477, 370N-IO-456, 370N-IO-478, 370N-IO-458, 370N-IO-455

This reference publication is one of four Program Logic Manuals that describe the internal logic of the Logical IOCS (Input-Output Control System) programs for the IBM Disk Operating System. The four related Program Logic Manuals are:

- Volume 1: Introduction, GY33-8543.
- Volume 2: SAM for Unit Record, Magnetic Tape, and Device Independent Files, GY33-8544.
- Volume 3: SAM and DAM for DASD, GY33-8545.
- Volume 4: ISAM, GY33-8546.

This manual is intended for persons involved in program maintenance and for system programmers who are altering the program design.

Program logic information is not necessary for the operation of the programs described.

Effective use of this publication requires an understanding of IBM System/370 operation and the Disk Operating System Assembler language and its associated macro definition language. R

Reference publications for this information are listed in the Preface.

For a list of associated publications and their abstracts, see IBM System/360 and System/370 Bibliography, GA22-6822.
Manual, 360 pages

GY33-8544

DOS VERSION 4 LIOCS VOLUME 2 - PROGRAM NUMBERS 370N-CL-453, 370N-IO-477, 370N-IO-456, 370N-IO-478, 370N-IO-458

This reference publication is one of four Program Logic Manuals that describe the internal logic of the Logical IOCS (Input/Output Control System) programs for the IBM Disk Operating System. The four related Program Logic Manuals are:

- Volume 1: Introduction, GY33-8543.
- Volume 2: SAM for Unit Record, Magnetic Tape, Device Independent Files, GY33-8544.
- Volume 3: SAM and DAM for DASD, GY33-8545.
- Volume 4: ISAM, GY33-8546.

This manual is intended for persons involved in program maintenance and for system programmers who are altering the program design. Program logic information is not necessary for the operation of the Programs described. Therefore, distribution is limited to those with maintenance and alteration responsibilities.

Effective use of this publication requires an understanding of IBM System/370 operation and the Disk Operating System Assembler language and its associated macro definition language. Reference publication for this information are listed in the preface.

For the titles and abstracts of other related publications, refer to the IBM System/360 and System/370 Bibliography, GA22-6822.
Manual, 380 pages

GY33-8545

DOS VERSION 4 LIOCS VOLUME 3-SAM AND DAM FOR DASD-PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 370N-IO-455, 370N-IO-454

This reference publication is one of four Program Logic Manuals that describe the internal logic of the Logical IOCS (Input/Output Control System) programs for the IBM Disk Operating System. The four related Program Logic Manuals are:

- Volume 1: Introduction, GY33-8543.
- Volume 2: SAM for Unit Record, Magnetic Tape, and Device Independent Files, GY33-8544.
- Volume 3: SAM and DAM for DASD, GY33-8545.
- Volume 4: ISAM, GY33-8546.

This manual is intended for use by persons involved in program maintenance and by system programmers who are altering the program design.

Program logic information is not necessary for the operation of the programs described.

Effective use of this publication requires an understanding of IBM System/370 operation and the Disk Operating System Assembler language and its associated macro definition language.

Reference publications for this information are listed in the Preface.

For the titles and abstracts of other related publications, refer to the IBM System/360 and System/370 Bibliography, GA22-6822.
Program Logic Manual, 420 pages

GY33-8546

DOS VERSION 4 LIOCS VOLUME 4 - ISAM - PROGRAM LOGIC MANUAL - PROGRAM NUMBER 370N-IO-457

This reference publication is one of four Program Logic Manuals that describe the internal logic of the Logical IOCS programs for the IBM Disk Operating System. The four related Program Logic Manuals are:

- Volume 1: Introduction, GY33-8543.
- Volume 2: SAM for Unit Record, Magnetic Tape, Device Independent Files, GY33-8544.

Volume 3: SAM and DAM for DASD, GY33-8545.

Volume 4: ISAM, GY33-8546.

This manual is intended for use by persons involved in program maintenance and by system programmers who are altering the program design.

Program logic information is not necessary for the operation of the programs described.

Effective use of this publication requires an understanding of system operation, assembler language, and its associated macros.

Reference publications for this information are listed in the Preface.

For the titles and abstracts of other related publications, refer to the IBM System/360 and System/370 Bibliography, GA22-6822.
Program Logic Manual, 400 pages

GY33-8547

DOS VERSION 4 SYSTEM UTILITIES - PROGRAM NUMBER 370N-UT-491

This publication describes the internal logic of the IBM DOS System Version 4 Utility programs. It is intended for use by persons involved in program maintenance and by system programmers who are altering the program design. Program logic information is not necessary for the operation of the program.

Manual, 170 pages

SY33-8548

OS/VS2 TSO COMMAND PROCESSOR LOGIC VOLUME II - EDIT PROGRAM NUMBER 5742-SCI-T0

This publication describes the internal logic of the OS/VS2 TSO EDIT command processor. Included in this manual are discussions of the organization and method of operation of the program, a microfiche directory, tables of data area layouts, flowcharts, and a glossary.

This publication is intended for IBM programming systems representatives who maintain the program and system programmers who modify the program.

Prerequisite information is contained in OS/VS2 TSO Terminal Monitor Program and Service Routines Logic, SY28-0650.

Corequisite information is contained in:

- o OS/VS2 TSO Command Language Reference, GC28-0646.
- o OS/VS2 TSO Command Processor Logic Volume IV, SY28-0652.

Manual

GY33-9010

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS, PL/I SUBSET LANGUAGE, PROGRAM LOGIC MANUAL, VOLUME 1 OF 3 PROGRAM NUMBERS: 360N-PL-464 (DOS) 360M-PL-410 (TOS)

This publication provides information on the internal logic of the IBM System/360 DOS/TOS PL/I compiler. It is intended for use by persons involved in programming maintenance and by system programmers who wish to alter the program design. The information contained herein is not required for the use of, and the operation with, the PL/I compiler.

The publication is divided into three volumes. Volume 1 contains the description of the compiler phases; volumes 2 and 3 contain the corresponding flowcharts. The form numbers of the three volumes are:

- Volume 1: GY33-9010
- Volume 2: GY33-9011
- Volume 3: GY33-9012

All information regarding the library subroutines of the DOS/TOS PL/I compiler is contained in the publication IBM SYSTEM/360, DISK AND TAPE OPERATING SYSTEMS, PL/I SUBSET-LIBRARY ROUTINES, PROGRAM LOGIC MANUAL, Form GY33-9013.

Program Logic Manual, 452 pages

GY33-9011

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS, PL/I SUBSET LANGUAGE, PROGRAM LOGIC MANUAL, VOLUME 2 OF 3, PROG. NOS. 360N-PL-464 (DOS), 360M-PL-410 (TOS)

This publication provides information on the internal logic of the IBM System/360 DOS/TOS PL/I compiler. It is intended for use by persons involved in programming maintenance and by system programmers who wish to alter the program design. The information contained herein is not required for the use of, and the operation with, the PL/I compiler.

The publication is divided into three volumes. Volume 1 contains the description of the compiler phases; volumes 2 and 3 contain the corresponding flowcharts. The form numbers of the three volumes are:

- Volume 1: GY33-9010
- Volume 2: GY33-9011
- Volume 3: GY33-9012

All information regarding the library subroutines of the DOS/TOS PL/I compiler is contained in the publication IBM SYSTEM/360, DISK AND TAPE OPERATING SYSTEMS, PL/I SUBSET-LIBRARY ROUTINES, PROGRAM LOGIC MANUAL, Form GY33-9013.

Program Logic Manual, 672 pages

GY33-9012

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS, PL/I SUBSET LANGUAGE, VOLUME 3 OF 3 PROGRAM LOGIC MANUAL
PROGRAM NUMBERS: 360N-PL-464 (DOS) 360N-PL-410 (TOS)
 This publication provides information on the internal logic of the IBM System/360 DOS/TOS PL/I compiler. It is intended for use by system programmers who wish to alter the program design. The information contained herein is not required for the use of, and the operation with, the PL/I compiler. The publication is divided into three volumes. Volume 1 contains the description of the compiler phases; volumes 2 and 3 contain the corresponding flowcharts. The form numbers of the three volumes are:
 Volume 1: GY33-9010
 Volume 2: GY33-9011
 Volume 3: GY33-9012

All information regarding the library subroutines of the DOS/TOS PL/I compiler is contained in the publication IBM SYSTEM/360, DISK AND TAPE OPERATING SYSTEMS, PL/I SUBSET-LIBRARY ROUTINES, PROGRAM LOGIC MANUAL, Form GY33-9013.

Program Logic Manual, 560 pages

GY33-9013

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS PL/I SUBSET LIBRARY ROUTINES - PROGRAM LOGIC MANUAL
PROGRAM NUMBERS 360N-PL-464 (DOS), 360N-PL-410 (TOS)
 This publication describes the internal logic of the PL/I Subset library routines. This publication is intended for use by persons involved in program maintenance and by system programmers who are altering the program design. This publication contains information on (1) the characteristics of the library and the calling conventions used and (2) the structure and functions of the various routines.

The reader of this publication should be familiar with the SRL publications

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS, PL/I SUBSET REFERENCE MANUAL, Form GC28-8202, and

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS, ASSEMBLER LANGUAGE, Form GC24-3414.

For a list of further related publications, refer to IBM SYSTEM/360 BIBLIOGRAPHY, Form GA22-6822.
 Program Logic Manual, 219 pages

SY35-0003

OS/VS CATALOG MANAGEMENT LOGIC
 This publication describes the internal logic of the catalog management routines in OS/VS. This information is directed to maintenance personnel and development programmers who require an in-depth knowledge of the program's design, organization, and data areas. It is not required for effective use of catalog management facilities. The reader should be familiar with general programming techniques, OS/VS concepts, and the IBM System/370 before reading this book.
 Manual

SY35-0004

OS/VS2 TSO COMMAND PROCESSOR LOGIC VOLUME III: TEST
 This publication describes the internal logic of the OS/VS2 TSO TEST command processor. The TEST command processor allows a terminal user to test an assembly language program. This publication contains text introductions, method-os-operation diagrams, flowcharts, data area layouts, program organization descriptions, and a module directory. This publication is written for persons who maintain or modify TSO; it is not required by persons who use TSO to process programs or who write programs that are processed by TSO.
 Manual, 232 pages

SY35-0005

OS/VS UTILITIES LOGIC MANUAL, COMPONENT NUMBERS 5741-SC1-10, 11, 12, 00 THROUGH 0K
 This publication describes the internal logic of the utility programs provided for OS/VS. It contains flowcharts of the programs, figures showing the formats of the major tables and records, and an appendix that lists the modules of the utility programs. The manual is intended for persons involved in program maintenance, and system programmers who are altering the program design. Program logic information is not necessary for the use and operation of the program.
 Manual

S2C0-0051

MICROFICHE - EARLY WARNING
2025 AND LARGER FILE CARD
 Early Warning information consists of the most current service information available which has been extracted from the RETAIN System and reproduced on microfiche.
 Microfiche

S2C0-0101

MICROFICHE - EARLY WARNING
OPERATING SYSTEM OS FILE CARD
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 Microfiche

S2C0-0201

MICROFICHE - EARLY WARNING
PROGRAMMING SYSTEM OTHER THAN OS FILE
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S2C0-0301

MICROFICHE EARLY WARNING - PROGRAM PRODUCTS, CSP AND SCP
 Early Warning information consists of the most current available service information, which has been extracted from the RETAIN system and reproduced on microfiche.
 Microfiche

S229-3169

SYSTEM/360 OPERATING SYSTEM HANDBOOK
 This is information on a system that the customer engineer requires at the system console to isolate a malfunction to a specific unit or function. The Handbook contains: general system reference data, including instruction formats; operation codes; code translation charts; interface information; error indication data; reference to diagnostic programs; etc.
 Handbook, 380 pages

G310-0012

IBM WORLD TRADE MARKETING PUBLICATIONS KWIC INDEX
 This KWIC (key-word-in-context) Index lists publications generally available for distribution or sale to users of IBM data processing products and services. It is the World Trade edition of the IBM Marketing Publications KWIC Index.
 Manual, 168 pages

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G320-0956

ATS/360 TERMINAL OPERATOR'S QUICK REFERENCE GUIDE
PROGRAM NUMBERS 360A-CX-18X, 360A-CX-19X
 This guide is intended to facilitate rapid instruction of the computer center operator using System/360 ATTS/DOS. It is essentially based on information appearing in the ATTS/DOS Computer Center Operator's manual (GH20-0511). This reference guide will be updated from time to time to reflect system changes and improvements; however, the reader should remember that the basic program documentation (which includes GH20-0511) is the authoritative source of program information and will first reflect such changes.
 Reference Guide, 72 pages

G320-0958

ATS/360 - DOS COMPUTER OPERATOR'S QUICK REFERENCE GUIDE
PROGRAM NUMBER 360A-CX-18X
 This guide is intended to facilitate rapid instruction of the terminal operator using System/360 ATTS. It is essentially based on information appearing in the ATTS Terminal Operator's manual (GH20-0509). This reference guide will be updated from time to time to reflect system changes and improvements; however, the reader should remember that the basic program documentation (which includes GH20-0509) is the authoritative source of program information and will first reflect such changes.
 Reference Guide, 39 pages

G320-1002

ATS/360 - OS COMPUTER OPERATOR'S QUICK REFERENCE GUIDE
PROGRAM NUMBER 360A-CX-19X
 This guide is intended to provide the computer center operator using System/360 ATTS/OS with a quick reference to operational commands. It is not an instruction manual. The table of contents is organized by sequence of operations. An index is provided at the back of the guide.
 Manual, 36 pages, 6 x 9

G320-1028

SHARED HOSPITAL ACCOUNTING SYSTEM (SHAS) DIAGNOSTIC MESSAGES
PROGRAM NUMBER 360A-UH-11X
APPLICATION PROGRAM MANUAL
 This manual contains a list of the diagnostic messages for the Shared Hospital Accounting System application program.
 Manual, 6 x 9 inch, 20 pages

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G320-1030

SHARED HOSPITAL ACCOUNTING SYSTEM (SHAS) TERMINAL OPERATORS
REFERENCE GUIDE - PROGRAM NUMBER 360A-UH-11X
 This manual serves as a quick reference for terminal operators using SHAS.
 Manual, 8 1/2 x 11 inch, 15 pages

*N

G320-1238

S/360 - S/370 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE COMPUTING GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5796-AAT

MUSIC is a time-sharing system that offers a wide variety of facilities in a cost effective environment. It offers many languages and features normally found in larger systems. By combining the full functions of multiple languages and interactive capabilities with demonstratable dependability, MUSIC has proved to be a multipurpose high-performance system suitable for many types of operations, particularly in the Educational Area. For instance, it is currently being used by large city-wide school and university installations in addition to commercial and governmental organizations.

This manual provides the necessary information to market the time-sharing system. It includes configuration support and descriptions of the functions provided.
Manual, 20 pages

G320-1244

CUSTOMER EDUCATION COURSE CATALOG

This three-section catalog has been prepared to provide users of IBM data processing equipment with information on the various courses, curriculums, and education materials available to them through IBM Customer Education.

- A. GENERAL INFORMATION: This covers basic enrollment information, terms and conditions of education programs and agreements, location of various education centers and availability of special purpose programs such as
- o Time payments
 - o On-site courses
 - o Tailored courses (RPQ) Request Price Quotation)
 - o Computerized education configurators
 - o Education Consulting Services
- B. EDUCATION PLANNING GUIDES: Since it is advantageous to develop an overall education plan that is in line with application implementation or personnel requirements, these flow chart aids have been developed to help the user match the curriculum with his requirements. In this fashion, the user should be able to project his education schedule with the related tuition for budgetary purposes.
- C. DETAILED COURSE DESCRIPTIONS: This section contains the courses offered to users of IBM data processing equipment. The descriptions cover the intended audience, as well as other relevant information. The descriptions have been written to give the reader as much detail as possible to help him select the proper course(s) from the broad spectrum offered.

As can be seen in the Table of Contents, the courses are cross-indexed in three sequences, alphabetic, course code and curriculum.

This catalog obsoletes the following publications in the "IBM Education ... a course of action" series, also known as Course Selection Guide modules.

G520-2327	Systems Science Education
G520-2329	The Operating System
G520-2330	DOS/TOS
G520-2334	1130-1800-System/7
G520-2335	S/360 Model 20 and Unit Record
G520-2336	Industry Applications
G520-2469	Operating System Curriculum Planning

Catalog, 650 pages

G320-1408

S/360-S/370 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE COMPUTING (MUSIC) ANNOUNCEMENT NOTICE - IUP NUMBER 5796-AAT

MUSIC is a time sharing system which offers a wide variety of languages and functions in a cost effective environment. It offers COBOL, FORTRAN, BASIC, APL and other functions. Terminals supported are 2741, 1050, and TTY with OS compatibility in languages and some access methods. It is aimed at the low entry time sharing market that is centered on the M135 and M145 System/370.
Notice, 10 pages

G320-1409

CONSOLIDATED FUNCTIONS EQUITY PRODUCTS (CFEP) VARIABLE ANNUITIES, MUTUAL FUNDS - DATAMANN INC., ANNOUNCEMENT NOTICE INSTALLED USER - PROGRAM NUMBER 5796-AAP

No abstract available.
Announcement notice, 4 pages

G320-1415

S/360-S/370 YALE ALUMNI RECORDS DATA SYSTEM (YARDS) ANNOUNCEMENT NOTICE - IUP NUMBER 5796-ABF

YARDS is an alumni fund raising system with solicitation and donation history files. It has a command language of non data processing people to manipulate the files for solicitation purposes. It can be used by a wide range of fund raising organizations.
Notice, 4 pages

*N G320-1418

ON-LINE ORDER SYSTEM - JAMES ALLAN AND SONS - ANNOUNCEMENT NOTICE - IUP NUMBER 5796-ABK

This flyer describes the on-line order system which has enabled James Allan and Sons to take full advantage of the capabilities provided by disk storage and visual terminals using an advanced on-line order control system.

James Allan processes approximately 500 meat orders per day that average eight line items per order. In the data base is a customer file of approximately 2,000 customers and a product line of nearly 900 products.
Announcement Notice, 2 pages

G320-1425

DISTRIBUTION ORDER ENTRY SYSTEM ANNOUNCEMENT NOTICE - IUP NUMBER 5796-ABT

This Announcement Notice describes how the Lag order entry programs utilizing a System 360/370 with 3270 visual display tubes offer the distributor an opportunity to install an order entry technique to improve customer service, sales volume, operations and warehouse efficiency without the tremendous expense of developing and fine tuning his system.
Notice, 6 pages

G320-1439

S/360/370 FILM LIBRARY MANAGEMENT SYSTEM (FLMS) ANNOUNCEMENT NOTICE FOR IUP 5796-ACW (UNIV. OF IOWA)

Film Library Management System (FLMS) provides a comprehensive online management system for film libraries in colleges and universities, school systems, government agencies, and media companies. FLMS features online booking, file update, and inquiry via the IBM 3270 Display System operating under OS/CICS allowing operational and management control to be retained by the film library staff.

The announcement notice describes the system with all reports and 3270 screens displayed.
Announcement Notice, 12 pages

G320-1440

RESPONSIBILITY ACCOUNTING SYSTEM ANNOUNCEMENT NOTICE - IUP NUMBER 5796-ACA

The Responsibility Accounting System was developed to provide general ledger, cost accounting and budget performance monitoring in a commercial bank environment. Four major data bases: general ledger, responsibility center, cost center, and vendor are processed by programs written with ANS COBOL. The system provides accounting and maintenance functions along with cost versus plan performance monitoring of five management levels within the corporation (cost center within department, within department group, within division, and within corporation).
Flyer, 4 page fan-fold

G320-1516

AN APL TEXT EDITOR AND COMPOSER 5796-PAC IS READY FOR SHIPMENT - AVAILABILITY NOTICE - PROGRAM NUMBER - 5796-PAC

This program is designed to process text interactively at a terminal. It is written in APL to run with the APL program products.

Functions are included for entering, revising, composing, printing, and storing text. Any type element can be used on the terminal for a wide choice of type styles including upper and lower case.

This package is for use by secretaries, scientists, engineers, administrators or any others who produce papers, letters, reports or specifications.
Notice, 4 pages

G320-1517

APL/PDTS PROGRAMMING DEVELOPMENT TRACKING SYSTEM (PDTS): IUP AVAILABILITY NOTICE PROGRAM NUMBER 5796-PAD

This brochure highlights the facilities of APL/PDTS Installed User Program which is designed to assist managers and planners in monitoring performance against plan on programming development projects. The program provides best and worst case project completion dates based upon user resource constraints in graphical, tabular or bar chart form.
Installed User Program Availability Notice, 4 pages

G320-1518

FLIGHT DATA DISPLAY SYSTEM IUP ANNOUNCEMENT NOTICE PROGRAM NUMBER 5796-PAE

This system provides both a control of flight information and the communication of that information to video monitors of the type found at airports. Its also provides flight information at agent terminals on request.
Notice, 4 pages

G320-1519

FLIGHT DATA DISPLAY SYSTEM, GENERAL INFORMATION MANUAL PROGRAM NUMBER 5796-FAE

This manual describes the features of the Flight Data Display System. This system provides both a control of flight information, and the communication of that information to video monitors of the type found at airports. It also provides flight information at agent terminals on

request.
Manual, 20 pages

G320-1520

SCRIPT/370 (5796-PAP) IS READY FOR SHIPMENT
AVAILABILITY NOTICE

SCRIPT/370 provides text-processing capabilities to users of the IBM Virtual Machine Facility/370, VM/370. It executes as a command of the Conversational Monitor System, the time-shared component of VM/370.

The SCRIPT command creates formatted output from one or more CMS files, each of which contains text and/or Script control words. The Script files are created and modified at a terminal using the CMS editor.

SCRIPT/370 manuscript facilities include right margin justification, line centering, extensive top and bottom title, capabilities, and the ability to invoke additional Script input files from the file being processed. Other facilities to assist in the preparation of large documents include symbolic capabilities, which can automatically generate a table of contents and specification of up to 9 levels of revision codes to print at the left margin of the formatted output. SCRIPT/370 is a superset of the manuscript facility called SCRIPT which is a component of the IBM Type III program CP-67/CMS. It is used extensively for document preparation by the Publications Department of the VM/370 Development Group.
Flyer, 4 pages

G320-1521

DATA DICTIONARY/DIRECTORY WITH CMIS DATA ELEMENT GLOSSARY
(5796-PAG) IUP AVAILABILITY NOTICE - PROGRAM NUMBER 5796-PAG

This system is designed to help the user establish a controlled environment for computer-processable data. It accommodates both narrative and technical descriptions of data, along with other information for maintaining data integrity and identifying responsibility, data relationships, data structures, and application usage.

Also included is a glossary of over 4,000 manufacturing data element definitions. The glossary can be manipulated by the Data Dictionary/Directory to add, delete, or make changes to data elements.
Notice, 6 pages

G320-1522

MULTICOLUMN DISTILLATION PROGRAM - AVAILABILITY NOTICE
IUP - 5796-PAH

The availability notice is a marketing oriented document that describes the purpose and capabilities of the program, advantages of design, and problems solved by the program referenced in the title.
Flyer, 2 pages

G320-1523

DBPROTOTYPE (5796-PBB), IMSMAP (5796-PBC), PLIMS (5796-PBF),
BTS (5796-PBD), TEST IMS UTILITIES (5796-PBE) ARE NOW READY
FOR SHIPMENT AVAILABILITY NOTICE

Five IMS Version 2.3 Productivity Aids - DBPROTOTYPE for Data Base Design, IMSMAP for Data Base Structure Mapping and Documentation, PLIMS for IMS application programming, BTS and TEST IMS UTILITIES for IMS application testing, now available for shipment from PID are described. These five IUP's have been developed and used by IBM internal installations to support the design, development, testing, and documentation of IMS data bases and application programs.
Notice

G320-1524

CYCLE-TIME SIMULATOR SYSTEM AVAILABILITY NOTICE - IUP NUMBER
5796-PBG

The Cycle-Time Simulator System is a generalized "simulation model" for a multiproduct manufacturing line with interdependent production equipment. On the basis of various product demands, the system simulates resources such as manpower and equipment and generates product cycle time. It takes into consideration equipment reliability, man-machine interactions, rework, and process-related constraints. The system can also be used to plan resource requirements to fulfill required product cycle time. The Cycle-Time Simulator System is a management support analysis tool that can be employed in determining the impact of changes such as adding a new product, equipment/tool reliabilities, job enlargement, manpower changes, and alternate manufacturing plans.
Notice, 8 pages

G320-1525

IBM WAREHOUSE SIMULATOR AVAILABILITY NOTICE IUP 5796-PBK
5796-PBK

The IBM Warehouse Simulator is a powerful material handling systems design tool that enables industrial engineers to thoroughly investigate numerous storage and retrieval configurations during the design of a stacker crane warehouse. As a result, the program significantly enhances the design process which strives to minimize warehouse cost while meeting storage and service objectives.
The program uses both analytical and simulation

techniques to test all possible warehouse configurations for a given set of operating conditions and determines the least cost solution. As a result, it allows industrial engineers to quickly evaluate many configurations for various specifications.

The program is written in Operating System/360 FORTRAN IV, operates in batch mode on a System/360 or System/370 and can be implemented with minimal time and expense. This IBM internally developed program is installed in the Systems Products Division, Endicott, New York.
Flyer, 4 pages

G320-1526

IBM MULTIPLANT SOURCING ANNOUNCEMENT NOTICE - IUP NUMBER
5796-PBL

IBM Multiplant Sourcing is a powerful tool for reducing product cost in large manufacturing companies. It facilitates maximum use of the production skills and resources of individual plants and suppliers by providing the information necessary for effective joint sourcing decisions.

The programs that IBM Multiplant Sourcing comprises are being used successfully today by IBM to make sourcing decisions for subproducts, manufactured throughout the world. Mutual requirements for identical products by multiple plants and the resources and capabilities of plants and their suppliers are considered in each sourcing decision. As a result, unnecessary expenditures of manpower and dollars in individual plants have been dramatically reduced.

While the program was developed by IBM for use internally, it is applicable to the general multiplant sourcing problem and offers similar savings in other companies.
Notice, 4 pages

G320-1621

IBM MARKETING PUBLICATIONS KWIC INDEX

This reference document contains general information about publications in the Systems Library. It contains three sections as follows:

- 1) alphabetic KWIC index by titles
- 2) index by machine type number
- 3) price list in form number sequence (omitting the first character of the order number)

Reference Index, 192 pages

G320-1973

CP-67/CMS VERSION 3.1: OPERATOR'S REFERENCE GUIDE (SUMMARY),
PROG. NO. 360D-05.2.005

This pocket reference guide lists commands, requests and control information. It is condensed for guide operator reference. Illustrations and overview drawings are included.

Operator's Reference Guide, 64 pages

G320-8062

DISTRIBUTION ORDER ENTRY SYSTEM SYSTEM/370 AND 3270'S - IUP

No abstract available.
Flyer, 3 part fanfold

G320-8063

ADVANCED STATISTICAL ANALYSIS PROGRAM ASTAP ANNOUNCEMENT
NOTICE - IUP NUMBER 5796-PBH

This IUP provides engineers with a powerful tool for use in the design and reliability analysis of linear and nonlinear electrical networks. Although the Advanced Statistical Analysis Program (ASTAP) is oriented primarily toward analysis of electronic circuits, it can also be used to simulate any physical system that can be represented by a network model.

The program can be used to perform DC and AC steady-state as well as transient analysis. In addition, a Monte Carlo statistical simulation can be performed in conjunction with DC, AC, or transient analysis to predict the effect of component variations on network performance. A common user-oriented input language is provided for describing the network to be analyzed in any of the above modes.
Notice, 4 pages

G320-8065

TWIN FAIR PO MGMT SYSTEM - IUP # 5796-ADB

No abstract available.
Announcement Notice, 4 pages

G320-8067

GENERALIZED CREATE/REORGANIZE UTILITY SYSTEM FOR S/370
EASTMAN KODAK - RELEASE NOTICE - IUP NUMBER 5796-ACZ

The S/370 Generalized Create/Reorganize Utility System provides the Chained File Management System (CFMS) user the capability of decreasing file reorganization time by as much as ten to one. The system provides a highly efficient generalized set of utilities for creation and maintenance of CFMS files (both BDAM and ISAM). Major functions include high speed dump and restore of both BDAM and ISAM files, reorganization of individual chained files, expansion of master file space between reorganizations, and enhanced

record addition capabilities for ISAM files. Any CFMS user currently expending 10 or more hours per month on reorganizations should achieve enough savings in the first 6 months of operation to justify the paid up license of this IUP.

Notice, 4 pages

G520-2467

COURSE SELECTION GUIDE - DP EDUCATION FOR MANAGERS

This pamphlet includes a short description for lecture courses for DP Education for Managers. Course topics, prerequisites, tuition, and class durations are indicated along with a management curriculum chart.

Brochure

GA22-6881

IBM SYSTEM/360 MODEL 40 FUNCTIONAL CHARACTERISTICS

This manual presents the organization, characteristics, functions and features unique to the IBM System/360 Model 40. Major areas described are system structure, generalized information flow, standard and optional features, system control panel, instruction timings, and channel characteristics and functional evaluation.

Description of specific input/output devices used with IBM System/360 Model 40 appear in separate publications. Configurators for the IBM 2040 Processing Unit and I/O devices are available. See IBM System/360 Bibliography, GA22-6822.

It is assumed that the reader has a knowledge of the System/360 as defined in the IBM System/360 Principles of Operation, GA22-6821 and the IBM System Summary, GA22-6810.

LB21-0640

DATA EDITING AND FORMATTING AIDS FOR SYSTEM/360 SYSTEMS
GUIDE - FDP NUMBER 5798-AKS

This 33 page document describes the steps necessary to modify the Data Editing and Formatting Aids written in RPG II for the System/360. This program consists of 26 assembler macros providing thirty-one unique functions for text editing and reformatting. The program was developed using the macro facility present in both the DOS and the OS assembler languages. The macros are identical in function under both OS and DOS.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.

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GC30-2024

OS/MFT and OS/MVT TCAM PROGRAMMER'S GUIDE

This book is a reference manual and coding guide for the programmer who must construct or modify a TCAM Message Control Program (MCP), or who must write a TCAM-compatible application program.

It explains how to write a TCAM MCP, to use a variety of auxiliary service facilities. Also included is information that might be of use in planning and setting up a teleprocessing system incorporating TCAM, and information for designing message handling facilities for the user who incorporates the IBM System/360 Operating System Time Sharing Option (TSO) into his system. The reader is expected to be familiar with the contents of the publication Concepts and Facilities, Order Number GC30-2022.

GT00-0119

OS/360 MACHINE CHECK HANDLER FOR SYSTEM/370

MODEL 155, 165 PLM

This manual is equivalent to GY27-7198 and is for use with OS Release 21.0.

GT27-6949

OS/360 OPERATOR'S GUIDE FOR DISPLAY CONSOLES

This manual is equivalent to GC27-6949-1 and is for use with OS Release 21.0.

GT30-2025

OS TCAM USER'S GUIDE

This document is equivalent to GC30-2025-0 and is for use with OS Release 21.0.

Part 3. Current Editions by Order Number

Order numbers of publications in this bibliography are listed below, with the edition suffix of all current editions shown. Any Technical Newsletter applying to the latest edition also applies to all earlier editions but is listed only once.

- ** preceding the order number indicates a changed or additional item.
- # following the order number shows that more than one edition is current.
- * following the order number shows the item is for World Trade use only.
- + following the order number shows the item is for U.S.A. use only.

SUBJ CODE	ORDER NUMBER	TECHNICAL NEWSLETTERS	TITLE
04	GA19-0004-1		IBM 1219 READER SORTER, MODEL 32
09	GA19-0010-3*		IBM 1419 MAGNETIC CHARACTER READER, MODEL 32
13	GA19-0019-0		IBM 3944 DIAL TERMINAL
04	GA19-0023-2		IBM SYSTEM/360 MODEL 30 1401/1440/1460 COMPATIBILITY FEATURE INVERTED PRINT EDIT AND STERLING SUB-FEATURES
04	GA19-0034-2		IBM 1419 MODEL 32 ATTACHED TO IBM SYSTEM/360 MODEL 25, 30, 40, 50, AND 65
04	GA19-0036-3#		IBM 1275 OPTICAL READER SORTER FOR SYSTEM/360 AND SYSTEM/370
04	GA19-0036-0#		PAPER AND PRINT QUALITY REQUIREMENTS FOR IBM 1270 AND 1275 OPTICAL READER SORTERS
02	GA21-9025-4#		IBM 1442-N1 AND N2 COMPONENT DESCRIPTION AND OPERATING PROCEDURES - SRL MANUAL
02	GA21-9025-3#		IBM 2501 MODELS B1 AND B2 COMPONENT DESCRIPTION AND OPERATING PROCEDURES
02	GA21-9026-3		IBM 2520-B1, B2, AND B3, COMPONENT DESCRIPTION AND OPERATING PROCEDURES - SRL MANUAL
02	GA21-9027-4#		
02	GA21-9027-3#	GN21-0104 GN21-0083	GN21-0087
04	GA21-9031-3		IBM SYSTEM/360 COMPONENT DESCRIPTION AND OPERATING PROCEDURES: 1231-N1 (OPTICAL MARK PAGE READER)
02	GA21-9033-3		IBM SYSTEM/360 COMPONENT DESCRIPTION AND OPERATING PROCEDURES, IBM 2540 CARD READ PUNCH - SRL MANUAL
04	**GA21-9064-6		IBM SYSTEM/360 COMPONENT DESCRIPTION AND OPERATING PROCEDURES IBM 1287 OPTICAL READER
04	GA21-9081-3	GN21-0134 **GN21-0147	**GN21-0148
02	**GA21-9124-3	**GN21-0166	**GN21-0170
04	GA21-9139-0+		IBM 1287 OPTICAL READER MODEL 5: GENERAL INFORMATION
04	**GA21-9143-0	**GN21-0171	IBM 3881 OPTICAL MARK READER MODELS 1 AND 2 REFERENCE MANUAL AND OPERATOR'S GUIDE
02	GA21-9144-0		IBM 2596 CARD READ PUNCH PROGRAMMER'S REFERENCE MANUAL AND OPERATOR'S GUIDE - SYSTEMS REFERENCE LIBRARY
04	**GA21-9147-0		IBM 3886 OPTICAL CHARACTER READER MODEL I REFERENCE MANUAL
04	**GA21-9148-1#		IBM 3886 OPTICAL CHARACTER READER INPUT DOCUMENT DESIGN GUIDE AND SPECIFICATIONS
04	GA21-9148-0#	**GN21-0167	
04	**GA21-9150-0		IBM SYSTEM/360 AND SYSTEM/370 COMPONENT DESCRIPTION AND OPERATING PROCEDURES: IBM 1287 OPTICAL READER, MODEL 5
04	**GA21-9154-0		IBM 3886 OPTICAL CHARACTER READER MODEL 2 COMPONENT REFERENCE MANUAL
02	**GA21-9167-0		IBM SYSTEM/370: 5425 MULTI-FUNCTION CARD UNIT PROGRAMMER'S REFERENCE MANUAL AND OPERATOR'S GUIDE
00	**GA22-6810-11#		IBM SYSTEM/360 SYSTEM SUMMARY
00	GA22-6813-5#		IBM SYSTEM/360 MODEL 40 CONFIGURATOR
00	GA22-6813-4#		
00	GA22-6814-4		IBM SYSTEM/360 MODEL 50 CONFIGURATOR
01	GA22-6821-8#		IBM SYSTEM/360 PRINCIPLES OF OPERATION
00	GA22-6821-7#	GN22-0354	GN22-0361
00	**GA22-6823-11		SYSTEM/360 INPUT/OUTPUT CONFIGURATOR
05	GA22-6828-1		IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 7340 MODEL 3 HYPERTAPE DRIVE
09	GA22-6846-4		IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2702 TRANSMISSION CONTROL
09	GA22-6864-5#		IBM 2701 DATA ADAPTER UNIT COMPONENT DESCRIPTION
09	GA22-6864-4#		
09	GA22-6864-3#		
05	GA22-6866-6#		
05	GA22-6866-5#	GN32-0008	
08	GA22-6868-3#		SYSTEM/360 COMPONENT DESCRIPTIONS: 2400-SERIES MAGNETIC TAPE UNITS, 2803/2804 TAPE CONTROLS, AND 2816 SWITCHING UNIT MODEL 1
08	GA22-6868-2#		IBM SYSTEM/360 - COMPONENT DESCRIPTION, IBM 1827 DATA CONTROL UNIT
00	GA22-6872-1		IBM 1827 DATA CONTROL UNIT - CONFIGURATOR
00	GA22-6874-1		IBM SYSTEM/360 MODEL 44 CONFIGURATOR
01	GA22-6875-6		IBM SYSTEM/360 MODEL 44 FUNCTIONAL CHARACTERISTICS
01	GA22-6877-5#		IBM SYSTEM/360 COMPONENT DESCRIPTIONS AND OPERATING PROCEDURES IBM 1052 PRINTER-KEYBOARD MODEL 7 WITH IBM 2150 CONSOLE
01	GA22-6877-4#	GN22-0305	
01	GA22-6881-3		IBM SYSTEM/360 MODEL 40 FUNCTIONAL CHARACTERISTICS
01	GA22-6884-4		IBM SYSTEM/360 MODEL 65 FUNCTIONAL CHARACTERISTICS

00	GA22-6887-5			SYSTEM/360 MODEL 65 CONFIGURATOR
00	GA22-6888-3#			IBM SYSTEM/360 MODEL 75 CONFIGURATOR
01	GA22-6889-2	GN27-2931		IBM SYSTEM/360 MODEL 75 FUNCTIONAL CHARACTERISTICS
13	GA22-6892-1			IBM SYSTEM/360 SPECIAL FEATURE CHANNEL-TO-CHANNEL ADAPTER
07	GA22-6895-3			IBM SYSTEM/360 COMPONENT DESCRIPTIONS - 2820 STORAGE CONTROL AND 2301 DRUM STORAGE
01	GA22-6898-3#			IBM SYSTEM/360 MODEL 50 FUNCTIONAL CHARACTERISTICS
	GA22-6898-2#	GN22-0330		
13	GA22-6900-2	GN22-0301		DATA ACQUISITION SPECIAL FEATURES FOR THE IBM SYSTEM/360 MODEL 44
01	GA22-6907-3#			IBM SYSTEM/360 MODEL 91 FUNCTIONAL CHARACTERISTICS
	GA22-6907-2#			
01	GA22-6908-2#			IBM SYSTEM/360 MODEL 50 OPERATING PROCEDURES
	GA22-6908-1#			
01	GA22-6909-0			IBM SYSTEM/360 MODEL 75 OPERATING PROCEDURES
01	GA22-6910-0			IBM SYSTEM/360 MODEL 44 OPERATING PROCEDURES
01	GA22-6911-1			IBM SYSTEM/360 MODEL 40 OPERATING PROCEDURES
01	GA22-6916-1	GN22-0325	GN22-0326	IBM SYSTEM/360 MODEL 85 FUNCTIONAL CHARACTERISTICS
00	GA22-6920-3			IBM SYSTEM/360 MODEL 85 CONFIGURATOR
01	GA22-6927-1			IBM SYSTEM/360 MODEL 85 OPERATING PROCEDURES
01	GA22-6935-0	GN22-0391	GN22-0401	IBM SYSTEM/370 MODEL 165 FUNCTIONAL CHARACTERISTICS
01	**GA22-6942-2#			IBM SYSTEM/370 MODEL 155 FUNCTIONAL CHARACTERISTICS
01	**GA22-6943-3			IBM SYSTEM/360 AND SYSTEM/370 MODEL 195 FUNCTIONAL CHARACTERISTICS
00	GA22-6944-3			IBM SYSTEM/360 AND SYSTEM/370 MODEL 195 CONFIGURATOR
10	GA22-6951-0	GN22-0366		IBM 50 MAGNETIC DATA INSCRIBER OPERATOR'S GUIDE
01	GA22-6954-0	GN22-0424		IBM SYSTEM/360 MODEL 195 OPERATING PROCEDURES
13	GA22-6955-0	GN22-0427		IBM SYSTEM/370 SPECIAL FEATURE DESCRIPTION: 709/7090/7094/7094 II
00	GA22-6956-0			COMPATIBILITY FEATURE FOR IBM SYSTEM/370 MODEL 165
00	GA22-6957-1			IBM SYSTEM/370 MODEL 165 CONFIGURATOR
13	GA22-6958-0	GN22-0428		IBM SYSTEM/370 MODEL 155 CONFIGURATOR
01	GA22-6962-1	GN22-0400	**GN22-0463	IBM SYSTEM/370 SPECIAL FEATURE DESCRIPTION: 7070/7074
13	GA22-6963-0			COMPATIBILITY FEATURE FOR IBM SYSTEM/370 MODEL 165
01	GA22-6966-1			IBM SYSTEM/370 MODEL 155 CHANNEL CHARACTERISTICS
01	GA22-6969-1			IBM SYSTEM/370 SPECIAL FEATURE DESCRIPTION
13	GA22-6983-0			7080 COMPATIBILITY FEATURE FOR IBM SYSTEM/370 MODEL 165
01	**GA22-7000-3			IBM SYSTEM/370 MODEL 155 OPERATING PROCEDURES
00	**GA22-7001-2#	**GN22-0452	**GN22-0457	IBM SYSTEM/370 MODEL 165 OPERATING PROCEDURES
		**GN22-0459	**GN22-0460	SYSTEM/370 SPECIAL FEATURE: CHANNEL-TO-CHANNEL ADAPTER
		**GN21-0439	**GN22-0466	IBM SYSTEM/370 PRINCIPLES OF OPERATION
00	GA22-7001-1#			IBM SYSTEM/370 SYSTEM SUMMARY
01	**GA22-7002-4	**GN22-0455	**GN22-0457	**GN22-0447
01	**GA22-7010-0	**GN22-0453	**GN22-0460	**GN22-0457
01	**GA22-7011-1	**GN22-0454	**GN22-0462	**GN22-0456
01	**GA22-7012-0	**GN22-0454	**GN22-0462	SYSTEM/370 INPUT/OUTPUT CONFIGURATOR
00	**GA22-7013-2			SYSTEM/370 MODEL 168 FUNCTIONAL CHARACTERISTICS MANUAL
00	**GA22-7014-0			IBM SYSTEM/370 MODEL 158 FUNCTIONAL CHARACTERISTICS
13	**GA22-7016-0			IBM SYSTEM/370 MODEL 158 CHANNEL CHARACTERISTICS
				IBM SYSTEM/370 MODEL 158 CONFIGURATOR
				SYSTEM/370 MODEL 168 CONFIGURATOR
13	**GA22-7017-0	**GN22-0464		IBM SYSTEM/370 MODEL 168
				IBM SYSTEM/370 MODEL 165 II DYNAMIC ADDRESS TRANSLATION FACILITY
04	GA24-1421-4#			IBM SYSTEM/370 MODEL 165 II DYNAMIC ADDRESS TRANSLATION FACILITY
02	GA24-1421-3#			IBM 1412 MAGNETIC CHARACTER READER MODEL I
04	GA24-1446-1			IBM 1404 PRINTER
04	GA24-1452-2			PRINT QUALITY CONSIDERATIONS IBM 1418 AND IBM 1428
04	GA24-1473-3			IBM 1418 OPTICAL CHARACTER READER
				IBM 1428 ALPHAMERIC OPTICAL READER
04	GA24-1499-7#	GN24-0491		IBM 1219 READER SORTER IBM 1419 MAGNETIC CHARACTER READER
	GA24-1499-6#			
	GA24-1499-5#	GN24-0426		
02	**GA24-3073-8#			IBM 1403 PRINTER COMPONENT DESCRIPTION
	GA24-3073-7#	**GN24-0502		
	GA24-3073-6#	GN24-0456		
13	GA24-3081-3			
00	GA24-3089-8			MARK READ STATION (SLANTED MARK) FOR IBM 1418 AND IBM 1428
03	GA24-3120-7			SUPPLEMENTAL BIBLIOGRAPHY: TELEPROCESSING/DATA COLLECTION
				IBM 1443 PRINTER MODELS 1 THROUGH 4 AND N1, AND 1445 PRINTER MODELS 1 AND N1: COMPONENT DESCRIPTION
01	GA24-3231-7#			IBM SYSTEM/360 MODEL 30 FUNCTIONAL CHARACTERISTICS
	GA24-3231-6#			
	GA24-3231-5#	GN24-0435	GN24-0431	
00	GA24-3232-3			IBM SYSTEM/360 MODEL 30 CONFIGURATOR
13	GA24-3255-7	GN24-0437		IBM SYSTEM/360 MODEL 30 1401/1440/1460 COMPATIBILITY FEATURE SRL MANUL
04	GA24-3256-5	GN21-0102		IBM 1285 OPTICAL READER COMPONENT DESCRIPTION AND OPERATING PROCEDURES
03	GA24-3312-8#			IBM 2821 CONTROL UNIT COMPONENT DESCRIPTION
	GA24-3312-7#	GN24-0455	GN24-0453	
		GN24-0470	GN24-0487	
13	GA24-3342-0			BATCH NUMBERING FEATURE FOR IBM 1241 AND 1419 MAGNETIC INK CHARACTER RECOGNITION READERS
13	GA24-3365-3			IBM SYSTEM/360 MODEL 30 1620 COMPATIBILITY FEATURE
01	GA24-3373-3#			IBM SYSTEM/360 MODEL 30 OPERATING GUIDE
	GA24-3373-2#	GN24-0432		
08	GA24-3388-4	GN33-0004		IBM 2671 PAPER TAPE READER,
				IBM 2822 PAPER TAPE READER CONTROL - COMPONENT DESCRIPTION
01	GA24-3411-2			IBM SYSTEM/360 MODEL 30 CHANNEL CHARACTERISTICS AND FUNCTIONAL EVALUATION
09	GA24-3426-0			IBM 2712 REMOTE MULTIPLEXOR
04	GA24-3500-2			IBM 1259 MAGNETIC CHARACTER READER COMPONENT DESCRIPTION
15	**GA24-3509-3			IBM 2944 DATACHANNEL REPEATER INSTALLATION MANUAL-PHYSICAL PLANNING

01	GA24-3510-1	GN24-0425	GN24-0454	IBM SYSTEM/360 MODEL 25 FUNCTIONAL CHARACTERISTICS
00	GA24-3511-4			IBM SYSTEM/360 MODEL 25 CONFIGURATOR
13	GA24-3512-2	GN24-0452		IBM SYSTEM/360 MODEL 25 1401/1460 AND 1440 COMPATIBILITY FEATURES
15	**GA24-3516-3			IBM 2938 ARRAY PROCESSOR MODEL 1 RPQ W24563, MODEL 2 RPQ 815188 INSTALLATION MANUAL - PHYSICAL PLANNING
14	GA24-3519-1	GN24-0448 GN24-0469	GN24-0459	IBM SYSTEM/360 CUSTOM EQUIPMENT DESCRIPTION: 2938 ARRAY PROCESSOR (MODEL 1, RPQ W24563; MODEL 2, RPQ 815188)
01	GA24-3523-2			IBM SYSTEM/360 MODEL 25 OPERATING PROCEDURES
13	GA24-3524-3#			IBM SYSTEM/360 MODEL 25 MODEL 20 MODE FEATURE
13	GA24-3524-2#			
13	GA24-3526-2			IBM SYSTEM/360 MODEL 25 INTEGRATED COMMUNICATIONS ATTACHMENT FEATURE
01	GA24-3538-0	GN24-0447		IBM SYSTEM/360 MODEL 25 CHANNEL CHARACTERISTICS AND FUNCTIONAL EVALUATION
04	GA24-3542-2			IBM 1255 MAGNETIC CHARACTER READER MODELS 1, 2, AND 3 COMPONENT DESCRIPTION
03	**GA24-3543-3			IBM 3211 PRINTER 3216 INTERCHANGEABLE TRAIN CARTRIDGE AND 3811 PRINTER CONTROL UNIT COMPONENT DESCRIPTION AND OPERATOR'S GUIDE
15	GA24-3545-1			IBM 2956-5 MULTI-POCKET READER SORTER INSTALLATION MANUAL PHYSICAL PLANNING
14	GA24-3547-0			IBM SYSTEM/360 MODEL 25, HIGH-SPEED CHANNEL-3414 ATTACHMENT FEATURE RPQ E69109
01	GA24-3550-2			IBM 3215 CONSOLE PRINTER-KEYBOARD COMPONENT DESCRIPTION
14	GA24-3551-0			IBM 2956-5 MULTI-POCKET MCR READER SORTER CUSTOM UNIT DESCRIPTION: RPQ W19976
01	GA24-3552-1			IBM 3210 CONSOLE PRINTER-KEYBOARDS
01	**GA24-3557-5#			IBM SYSTEM/370 MODEL 145 FUNCTIONAL CHARACTERISTICS
15	GA24-3561-0			IBM 1925 MODEL 18 INTERFACE SWITCH UNIT RPQ 811301 INSTALLATION MANUAL--PHYSICAL PLANNING
15	GA24-3562-0			IBM 2911 MODEL 14 INTERFACE SWITCH UNIT RPQ 811503 INSTALLATION MANUAL--PHYSICAL PLANNING
14	GA24-3564-0			IBM SYSTEM/360 MODEL 30 STORAGE EXPANSION FEATURE MANUAL: RPQ'S EA3807, EA1527; OR RPQ'S Y91283 AND Y91325 (WORLD TRADE)
15	GA24-3566-1#	GN24-0476		IBM 1972 MODEL 3 PRODUCTION TERMINAL
15	GA24-3566-0#			IBM 1972 MODEL 4 INSTRUCTION CONSOLE INSTALLATION MANUAL PHYSICAL PLANNING COMPONENT DESCRIPTION
01	GA24-3572-1			IBM SYSTEM/360 MODEL 22 FUNCTIONAL CHARACTERISTICS SYSTEMS MANUAL
01	**GA24-3573-1			IBM SYSTEM/370 MODEL 145 CHANNEL CHARACTERISTICS
01	**GA24-3574-1#			IBM SYSTEM/360 MODEL 22 OPERATOR'S GUIDE
01	GA24-3579-0			IBM SYSTEM/360 MODEL 22 CHANNEL CHARACTERISTICS AND FUNCTIONAL EVALUATION - SYSTEMS LIBRARY MANUAL
14	GA24-3590-0			IBM 1972 MODEL 3 PRODUCTION TERMINAL 1972 MODEL 4 INSTRUCTION CONSOLE OPERATOR'S GUIDE
35	GA24-3594-0	GN24-0496	**GN24-0498	IBM EMULATOR FOR RCA 301 ON SYSTEM/370 USING DOS AND DOS/V5 PLANNING GUIDE - PROGRAM NUMBER 5799-ADR
35	GA24-3595-0	GN24-0497	**GN24-0499	IBM EMULATOR FOR HONEYWELL SERIES 200 ON SYSTEM/370 USING DOS AND DOS/V5 (PRPQ): PLANNING GUIDE, PROG. NO. 5799-ADR
04	**GA24-3602-0			IBM 3890 DOCUMENT PROCESSOR - GENERAL INFORMATION
35	**GA24-3604-0			EMULATOR FOR HONEYWELL SERIES 200 ON SYSTEM/370 USING DOS SYSTEM LIBRARY MANUAL - RPQ NUMBER 5799-ADR
35	**GA24-3605-0			IBM EMULATOR MANUAL FOR RCA 301 ON SYSTEM/370 USING DOS - PROGRAM NUMBER 5799-ADR
15	GA26-1582-0			IBM 2973 MODEL 2 FILE SWITCH INSTALLATION MANUAL - PHYSICAL PLANNING RPQ F13209
14	GA26-1583-0			IBM SYSTEM/360 CUSTOM FEATURE DESCRIPTION - 2973 MODEL 2 FILE SWITCH RPQ F13209
07	**GA26-1589-3			COMPONENT SUMMARY-2835 STORAGE CONTROL
07	**GA26-1592-3			2305 FIXED HEAD STORAGE
14	GA26-1593-1			REFERENCE MANUAL FOR IBM 3830 STORAGE CONTROL AND IBM 3330 DISK STORAGE
14	GA26-1599-2	GN26-0289		IBM 2968 MODEL 11 AUDIO/VISUAL CONTROL: COMPONENT DESCRIPTION AND OPERATING PROCEDURES RPQ F30209
15	GA26-1600-1			IBM 2730 MODEL 1 TRANSACTION VALIDATION TERMINAL, IBM 2968 MODEL 9 AND MODEL 12 RECEIVER-TERMINAL CONTROL UNIT
07	GA26-1606-2			2730 MODEL 1, 2968 MODEL 9, AND 2968 MODEL 12: INSTALLATION MANUAL - PHYSICAL PLANNING
07	**GA26-1615-1	**GN26-0293	**GN26-0292	IBM 2319 DISK STORAGE - A-SERIES, COMPONENT DESCRIPTION
07	**GA26-1617-2			INTRODUCTION IBM 3330 A-SERIES DISK STORAGE - SYSTEM LIBRARY MANUAL
07	**GA26-1619-0+			INTRODUCTION IBM 3830 MODEL 2 STORAGE CONTROL UNIT - SYSTEM LIBRARY MANUAL
07	**GA26-1620-0	**GN26-0295	**GN26-0296	IBM 3340 COMPONENT SUMMARY
15	**GA26-1621-0			REFERENCE MANUAL FOR IBM 3830 MODEL 2 STORAGE CONTROL UNIT INSTALLATION MANUAL PHYSICAL PLANNING IBM 2984 MODEL 1 CASH ISSUING TERMINAL RPQ 834660
14	**GA26-1622-0			OPERATOR AND PROGRAMMING GUIDE FOR IBM 2984-1 CASH ISSUING TERMINAL, RPQ 834660
07	GA26-3599-6#			IBM SYSTEM/360 COMPONENT DESCRIPTIONS - 2314 DIRECT ACCESS STORAGE FACILITY AND 2844 AUXILIARY STORAGE CONTROL
07	GA26-3633-1			DATA CELL HANDLING GUIDE
14	GA26-3699-1#			IBM 1971-1980 CUSTOM TERMINAL FUNCTIONAL CHARACTERISTICS, OPERATING PROCEDURES, AND PHYSICAL PLANNING
07	**GA26-4187-2			DISKETTE HANDLING PROCEDURES
14	GA26-5714-0			IBM 2314/2844 MULTIPLEX STORAGE CONTROL FEATURE - AIRLINES BUFFER
07	GA26-5756-8#	**GN26-0291		IBM DISK PACK AND CARTRIDGE HANDLING PROCEDURES
07	GA26-5988-7			IBM SYSTEM/360 COMPONENT DESCRIPTIONS--2841 AND ASSOCIATED DASD
				2311 DISK STORAGE DRIVE MODEL 1, 2321 DATA CELL DRIVE, 2303 DRUM STORAGE

14	GA26-5993-1			IBM SYSTEM/360 CUSTOM FEATURE, 2972 LINE CONTROL UNIT, MODEL 1
06	GA27-2700-5			IBM SYSTEM/360 COMPONENT DESCRIPTION: IBM 2260 DISPLAY STATION IBM 2848 DISPLAY CONTROL
06	GA27-2701-3#			IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2250 DISPLAY UNIT MODEL 1
06	GA27-2702-0			IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2250 DISPLAY UNIT MODEL 2 IBM 2840 DISPLAY CONTROL MODEL 1
09	GA27-2703-2#			IBM 2703 TRANSMISSION CONTROL COMPONENT DESCRIPTION
09	GA27-2704-1			IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2711 LINE ADAPTER UNIT
09	GA27-2710-1			IBM 7772 AUDIO RESPONSE UNIT VOCABULARY
09	GA27-2711-0	GN27-3020		IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 7772 AUDIO RESPONSE UNIT
09	GA27-2712-1			COMPONENT DESCRIPTION: IBM 7770 AUDIO RESPONSE UNIT MODEL 3
00	GA27-2713-3			IBM SYSTEM/360 MODEL 67 CONFIGURATOR
13	GA27-2715-2			IBM SYSTEM/360 SPECIAL FEATURE DESCRIPTION 709/7040/7044/7090/7094/7094 II COMPATIBILITY FEATURE FOR SYSTEM/360 MODELS 65 AND 67
13	GA27-2716-0	GN27-2912		IBM SYSTEM/360 SPECIAL FEATURE DESCRIPTION 7080 COMPATIBILITY FEATURE FOR SYSTEM/360 MODEL 65
13	GA27-2717-0			IBM SYSTEM/360 SPECIAL FEATURE DESCRIPTION 7074 COMPATIBILITY FEATURE FOR SYSTEM/360 MODELS 50 AND 65
01	GA27-2719-2#			IBM SYSTEM/360 MODEL 67 FUNCTIONAL CHARACTERISTICS
06	GA27-2721-1#			IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2250 DISPLAY UNIT MODEL 3 IBM 2840 DISPLAY CONTROL MODEL 2
15	GA27-2724-1			IBM SYSTEM/360 CUSTOM SYSTEMS UNIT 2916 LCNG LINE ADAPTER, MODELS 3 AND 4 INSTALLATION BULLETIN - PHYSICAL PLANNING
10	GA27-2725-2	GN22-0341 GN22-0339 GN22-0365	GN22-0340 GN22-0331	IBM 50 MAGNETIC DATA INSCRIBER COMPONENT DESCRIPTION
05	GA27-2726-1			IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2495 TAPE CARTRIDGE READER
15	GA27-2727-1			IBM SYSTEM/360 CUSTOM SYSTEMS UNIT 2909 MODEL 3 - ASYNCHRONOUS DATA CHANNEL RPQ F13299 RPQ 882045 INSTALLATION BULLETIN-PHYSICAL PLANNING
01	GA27-2728-1#			IBM SYSTEM/360 MODEL 65 OPERATING PROCEDURES
15	GA27-2729-0			IBM SYSTEM/360 CUSTOM SYSTEMS UNIT 2972 MODEL 7 SCIENTIFIC INTERFACE CONTROL UNIT RPQ E46181 INSTALLATION BULLETIN - PHYSICAL PLANNING
06	GA27-2730-0			COMPONENT DESCRIPTION IBM 2285 DISPLAY COPIER
06	GA27-2731-2	GN27-2945		IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2265 DISPLAY STATION IBM 2845 DISPLAY CONTROL
13	GA27-2733-0	GN27-2938 GN27-2941	GN27-2936	IBM SYSTEM/360 SPECIAL FEATURE DESCRIPTION 709/7090/7094/7094 II COMPATIBILITY FEATURE FOR IBM SYSTEM/360 MODEL 85
14	GA27-2737-0			IBM 2909-3 ASYNCHRONOUS DATA CHANNEL RPQ F13299 CUSTOM FEATURE DESCRIPTION
09	**GA27-2739-4			AN INTRODUCTION TO THE IBM 3270 INFORMATION DISPLAY SYSTEM SYSTEM LIBRARY MANUAL
14	GA27-2740-0			IBM 7412 MODEL 1 CONSOLE, CUSTOM SYSTEMS RPQ AA2846, CUSTOM FEATURE DESCRIPTION
15	GA27-2741-0			INSTALLATION BULLETIN PHYSICAL PLANNING FOR IBM 7412 CONSOLE MODEL 1 CUSTOM SYSTEMS RPQ AA2846
09	**GA27-2742-2			OPERATOR'S GUIDE FOR IBM INFORMATION DISPLAY SYSTEMS SYSTEM LIBRARY MANUAL (IBM 3270)
09	**GA27-2749-2			IBM 3270 INFORMATION DISPLAY SYSTEM COMPONENT DESCRIPTION
09	GA27-2750-0			IBM 3270 PROBLEM DETERMINATION GUIDE - SYSTEM LIBRARY
14	**GA27-2752-0			IBM 3284/3286 PRINTER CUSTOM FEATURE DESCRIPTION MARGIN STOP VARIABLE RPQ #EB3995
14	**GA27-2753-2			IBM 3284/3286 PRINTER CUSTOM FEATURE DESCRIPTION VERTICAL FORMS INDEX CONTROL (RPQ EB4324)
14	**GA27-2758-0			IBM 3270 INFORMATION DISPLAY SYSTEM CUSTOM FEATURE DESCRIPTION, DUAL CASE CHARACTER SET RPQ 8K0366
09	GA27-3011-1			IBM 2760 OPTICAL IMAGE UNIT COMPONENT DESCRIPTION
09	GA27-3029-1			2721 PORTABLE AUDIO TERMINAL
09	GA27-3039-0			IBM 2721 PORTABLE AUDIO TERMINAL OPERATOR'S HANDBOOK
14	GA27-3040-0			CUSTOM UNIT DESCRIPTION - 1970-1 REMOTE AUDIO RESPONSE UNIT
15	GA27-3041-0			IBM 1970 MODEL 1 REMOTE AUDIO RESPONSE UNIT INSTALLATION MANUAL - PHYSICAL PLANNING
09	GA27-3043-2			IBM 3735 PROGRAMMABLE BUFFERED TERMINAL CONCEPT AND APPLICATION
15	**GA27-3044-0			IBM 2976 MOBILE TERMINAL SYSTEM CUSTOM SYSTEM DESCRIPTION OPERATOR'S GUIDE - PHYSICAL PLANNING
09	GA27-3048-0+			IBM 3670 BROKERAGE COMMUNICATION SYSTEM SYSTEM CONCEPTS AND CONFIGURATOR
15	**GA27-3049-1			IBM 3670 BROKERAGE COMMUNICATION SYSTEM INSTALLATION MANUAL--PHYSICAL PLANNING
09	GA27-3050-0			IBM 3670 BROKERAGE COMMUNICATION SYSTEM COMPONENT DESCRIPTION MANUAL
09	**GA27-3051-1			INTRODUCTION TO THE 3705 COMMUNICATIONS CONTROLLER
09	**GA27-3055-3			IBM 3705 COMMUNICATIONS CONTROLLER OPERATOR'S GUIDE
09	**GA27-3063-2+			COMPONENT INFORMATION FOR THE IBM 3780 DATA COMMUNICATION TERMINAL
05	GA32-0006-3			TAPE SPECIFICATIONS FOR IBM ONE-HALF INCH TAPE DRIVES AT: 556 AND 800 BPI AND 3200 FCI
05	GA32-0007-2			COMPONENT DESCRIPTION IBM 2420 MODEL 5 MAGNETIC TAPE UNIT
05	GA32-0015-0			IBM 3410/3411 MAGNETIC TAPE SUBSYSTEM COMPONENT SUMMARY MANUAL
05	GA32-0020-2			3803/3420 MAGNETIC TAPE SUBSYSTEMS
05	**GA32-0022-0			IBM 3410/3411 MAGNETIC TAPE SUBSYSTEM COMPONENT DESCRIPTION MANUAL

01	**GA33-1506-1		IBM SYSTEM/370 MODEL 125 FUNCTIONAL CHARACTERISTICS MANUAL
00	**GA33-1507-1		IBM SYSTEM/370 MODEL 125 CONFIGURATOR
01	**GA33-1509-0		IBM SYSTEM/370 MODEL 125 OPERATION PROCEDURES
01	**GA33-1510-0		IBM SYSTEM/370 MODEL 115 FUNCTIONAL CHARACTERISTICS
00	**GA33-1511-0		IBM SYSTEM/370 MODEL 115 CONFIGURATOR
01	**GA33-3005-3		IBM SYSTEM/370 MODEL 135 FUNCTIONAL CHARACTERISTICS
13	GA33-3007-1	**GN33-3033	IBM SYSTEM/370 MODEL 135-TERMINAL ADAPTER TYPE I MODEL II (FOR ICA): SPECIAL FEATURE DESCRIPTION SYSTEM LIBRARY MANUAL
13	**GA33-3008-1		IBM SYSTEM/370 MODEL 135 TERMINAL ADAPTER TYPE III FOR ICA: SPECIAL FEATURE DESCRIPTION
13	GA33-3009-1	**GN33-3028	IBM SYSTEM/370 MODEL 135-SYNCHRONOUS DATA ADAPTER TYPE II (FOR ICA): SPECIAL FEATURE DESCRIPTION
01	GA33-3010-0	**GN33-3019	IBM SYSTEM/370 MODEL 135 CHANNEL CHARACTERISTICS
13	**GA33-3011-0	**GN33-3034	IBM SYSTEM/370 MODEL 135 - TELEGRAPH ADAPTER TYPE II (FOR ICA): SPECIAL FEATURE DESCRIPTION MANUAL
00	**GA33-3014-0		IBM SYSTEM/370 MODEL 135 CONFIGURATOR
08	GA33-4500-2		IBM SYSTEM/360 COMPONENT DESCRIPTIONS - 2826 PAPER TAPE CONTROL UNIT 1017 PAPER TAPE READER 1018 PAPER TAPE PUNCH
14	**GA34-1507-2		IBM SYSTEM/7-360/370 CHANNEL ATTACHMENT: GENERAL INFORMATION
14	**GA34-1511-1		SYSTEM/370 IBM 5098-N05 SENSOR BASED CONTROL UNIT GENERAL INFORMATION MANUAL
08	GA36-0002-1		IBM 4481 FILM READER/RECORDER
08	GA36-0003-1		4481 FILM READER/RECORDER PROGRAMMER'S GUIDE
95	**SBOF-2250-0		PTF FOR OS/V52
97	SBOF-6100-0		PTF PROGRAM NUMBER 360S-AL-531
97	SBOF-6103-0		PTF PROGRAM NUMBER 360S-AS-037
97	SBOF-6106-0		PTF PROGRAM NUMBER 360S-CB-524
97	SBOF-6109-0		PTF PROGRAM NUMBER 360S-CB-545
97	SBOF-6110-0		PTF PROGRAM NUMBER 360S-CI-505
97	SBOF-6113-0		PTF PROGRAM NUMBER 360S-CI-535
97	SBOF-6116-0		PTF PROGRAM NUMBER 360S-CI-555
97	SBOF-6119-0		PTF PROGRAM NUMBER 360S-CO-503
97	SBOF-6122-0		PTF PROGRAM NUMBER 360S-CQ-513
97	SBOF-6125-0		PTF PROGRAM NUMBER 360S-CQ-519
97	SBOF-6128-0		PTF PROGRAM NUMBER 360S-CQ-548
97	SBOF-6131-0		PTF PROGRAM NUMBER 360S-DM-508
97	SBOF-6137-0		PTF PROGRAM NUMBER 360S-DN-527
97	SBOF-6140-0		PTF PROGRAM NUMBER 360S-DN-533
97	SBOF-6143-0		PTF PROGRAM NUMBER 360S-DN-539
97	SBOF-6146-0		PTF PROGRAM NUMBER 360S-DN-554
97	SBOF-6149-0		PTF PROGRAM NUMBER 360S-ED-521
97	SBOF-6152-0		PTF PROGRAM NUMBER 360S-FO-500
97	SBOF-6155-0		PTF PROGRAM NUMBER 360S-FO-520
97	SBOF-6158-0		PTF PROGRAM NUMBER 360S-FO-550
97	SBOF-6161-0		PTF PROGRAM NUMBER 360S-IO-523
97	SBOF-6164-0		PTF PROGRAM NUMBER 360S-IO-526
97	SBOF-6167-0		PTF PROGRAM NUMBER 360S-LD-547
97	SBOF-6170-0		PTF PROGRAM NUMBER 360S-LM-501
97	SBOF-6173-0		PTF PROGRAM NUMBER 360S-LM-512
97	SBOF-6176-0		PTF PROGRAM NUMBER 360S-LM-525
97	SBOF-6179-0		PTF PROGRAM NUMBER 360S-LM-532
97	SBOF-6182-0		PTF PROGRAM NUMBER 360S-LM-537
97	SBOF-6185-0		PTF PROGRAM NUMBER 360S-LM-542
97	SBOF-6188-0		PTF PROGRAM NUMBER 360S-LM-546
97	SBOF-6192-0		PTF PROGRAM NUMBER 360S-NL-511
97	SBOF-6195-0		PTF PROGRAM NUMBER 360S-PL-552
97	SBOF-6198-0		PTF PROGRAM NUMBER 360S-PT-516
97	SBOF-6201-0		PTF PROGRAM NUMBER 360S-RC-536
97	SBOF-6204-0		PTF PROGRAM NUMBER 360S-RC-541
97	SBOF-6207-0		PTF PROGRAM NUMBER 360S-RC-543
97	SBOF-6210-0		PTF PROGRAM NUMBER 360S-RC-551
97	SBOF-6213-0		PTF PROGRAM NUMBER 360S-RG-038
97	SBOF-6216-0		PTF PROGRAM NUMBER 360S-SM-023
97	SBOF-6219-0		PTF PROGRAM NUMBER 360S-UT-506
97	SBOF-6222-0		PTF MODULE GENERATION - OS
97	SBOF-6225-0		PTF SERVICE AIDS OS
97	SBOF-6230-0		PTF PROGRAM NUMBER 360N-AS-465
97	SBOF-6232-0		PTF PROGRAM NUMBER 360N-AS-466
97	SBOF-6234-0		PTF PROGRAM NUMBER 360N-CB-452
97	SBOF-6236-0		PTF PROGRAM NUMBER 360N-CB-468
97	SBOF-6238-0		PTF PROGRAM NUMBER 360N-CB-482
97	SBOF-6240-0		PTF PROGRAM NUMBER 360N-CL-453
97	SBOF-6242-0		PTF PROGRAM NUMBER 360N-CQ-469
97	SBOF-6244-0		PTF PROGRAM NUMBER 360N-CQ-470
97	SBOF-6248-0		PTF PROGRAM NUMBER 360N-DN-481
97	SBOF-6250-0		PTF PROGRAM NUMBER 360N-EU-484
97	SBOF-6252-0		PTF PROGRAM NUMBER 360N-EU-485
97	SBOF-6254-0		PTF PROGRAM NUMBER 360N-FO-451
97	SBOF-6256-0		PTF PROGRAM NUMBER 360N-FO-479
97	SBOF-6258-0		PTF PROGRAM NUMBER 360N-IO-454
97	SBOF-6260-0		PTF PROGRAM NUMBER 360N-IO-455
97	SBOF-6262-0		PTF PROGRAM NUMBER 360N-IO-456
97	SBOF-6264-0		PTF PROGRAM NUMBER 360N-IO-457
97	SBOF-6266-0		PTF PROGRAM NUMBER 360N-IO-458
97	SBOF-6268-0		PTF PROGRAM NUMBER 360N-IO-476
97	SBOF-6270-0		PTF PROGRAM NUMBER 360N-IO-477
97	SBOF-6272-0		PTF PROGRAM NUMBER 360N-IO-478
97	SBOF-6274-0		PTF PROGRAM NUMBER 360N-PL-464
97	SBOF-6276-0		PTF PROGRAM NUMBER 360N-PT-459
97	SBOF-6278-0		PTF PROGRAM NUMBER 360N-RG-460
97	SBOF-6280-0		PTF PROGRAM NUMBER 360N-SM-400
97	SBOF-6282-0		PTF PROGRAM NUMBER 360N-SM-450
97	SBOF-6284-0		PTF PROGRAM NUMBER 360N-SM-483

97	SBOF-6286-0		PTF PROGRAM NUMBER 360N-SV-473
97	SBOF-6288-0		PTF PROGRAM NUMBER 360N-SV-474
97	SBOF-6290-0		PTF PROGRAM NUMBER 360N-SV-475
97	SBOF-6292-0		PTF PROGRAM NUMBER 360N-SV-486
97	SBOF-6294-0		PTF PROGRAM NUMBER 360N-SV-487
97	SBOF-6296-0		PTF PROGRAM NUMBER 360N-SV-488
97	SBOF-6298-0		PTF PROGRAM NUMBER 360N-UT-461
97	SBOF-6300-0		PTF PROGRAM NUMBER 360N-UT-462
97	SBOF-6302-0		PTF PROGRAM NUMBER 360N-UT-463
97	SBOF-6304-0		PTF PROGRAM NUMBER 360N-UT-471
97	SBOF-6306-0		PTF PROGRAM NUMBER 360N-UT-472
97	SBOF-6308-0		PTF SERVICE AIDS DOS
78	GB21-0001-0		GENERALIZED VEHICLE SCHEDULING PROGRAM (VSP) NETWORK FOR LOS ANGELES; FIELD DEVELOPED PROGRAM AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AAA
78	SB21-0002-0	SN20-6041	GENERALIZED VEHICLE SCHEDULING PROGRAM NETWORK FOR LOS ANGELES FIELD DEVELOPED PROGRAM DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AAA
78	LB21-0003-0	LN20-6042	VEHICLE SCHEDULING PROGRAM GENERALIZED VSP NETWORK FOR LOS ANGELES, CALIFORNIA: FIELD DEVELOPED PROGRAM SYSTEMS GUIDE - PROGRAM NUMBER 5798-AAA
67	GB21-0010-0		2770/1255 REMOTE MICR ENTRY SYSTEM (UNDER DOS BTAM) - FDP AVAILABILITY NOTICE - PROG. NO. 5798-AAD
67	SB21-0011-0		2770/1255 REMOTE MICR ENTRY SYSTEM PROGRAM DESCRIPTION/OPERATION MANUAL PROGRAM NUMBER 5798-AAD
67	LB21-0012-0		2770/1255 REMOTE MICR ENTRY SYSTEM - SYSTEMS GUIDE PROGRAM NUMBER 5798-AAD
78	GB21-0019-0		VEHICLE MAINTENANCE & COST ANALYSIS: S/360 MODELS 20, 25 & UP - FDP AVAILABILITY NOTICE, PROG. NO. 5798-AAG
78	SB21-0020-1#		VEHICLE MAINTENANCE AND COST ANALYSIS, SYSTEM/360 MODELS 20, 25 AND UP: PROGRAM DESCRIPTION/OPERATIONS MANUAL, FDP PROG. NO. 5798-AAG
78	LB21-0021-0		VEHICLE MAINTENANCE AND COST ANALYSIS, SYSTEM/360 MODELS 20, 25 AND UP: SYSTEMS GUIDE, FDP PROG. NO. 5798-AAG
80	GB21-0028-0		SYSTEM/360 PROGRAM REPORT INVENTORY SYSTEM - FDP AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AAK
80	SB21-0029-0		PROGRAM REPORT INVENTORY SYSTEM PROGRAM DESCRIPTION OPERATIONS MANUAL PROGRAM NUMBER 5798-AAK
80	LB21-0030-0		PROGRAM REPORT INVENTORY SYSTEM - SYSTEM GUIDE PROGRAM NUMBER 5798-AAK
75	**GB21-0031-0		PRODUCTION ORDER INVENTORY TRACKING SYSTEM FOR S/360-370 AVAILABILITY NOTICE - FDP #5798-AAL
75	**SB21-0032-0	**SN20-6178	PRODUCTION ORDER INVENTORY TRACKING SYSTEM FOR S/360-370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP #5798-AAL
75	**LB21-0033-0		PRODUCTION ORDER INVENTORY TRACKING SYSTEM FOR S/360-370 SYSTEMS GUIDE - FDP # 5798-AAL
33	GB21-0034-0		DOS SORT EXIT ROUTINES FOR CS/30/40 DISK FILES - FDP AVAILABILITY NOTICE, PROG. NO. 5798-AAM
33	SB21-0035-0		DISK OPERATING SYSTEM SORT EXIT ROUTINES FOR CONTROL SYSTEM (CS)/30/40 FILES - FIELD DEVELOPED PROGRAM DESCRIPTION OPERATIONS MANUAL - PROGRAM NUMBER 5798-AAM
33	LB21-0036-0		DISK OPERATING SYSTEM SORT EXIT ROUTINES FOR CS/30/40 FILES SYSTEMS GUIDE - PROGRAM NUMBER 5798-AAM
76	GB21-0043-1		PUBLIC UTILITY FINANCIAL PLANNING SYSTEM - FDP AVAILABILITY NOTICE - PROG. NO. 5798-AAQ
76	SB21-0044-0		PUBLIC UTILITY FINANCIAL PLANNING SYSTEM - FIELD DEVELOPED PROGRAM - PROGRAM DESCRIPTION OPERATIONS MANUAL PROGRAM NUMBER 5798-AAQ
76	LB21-0045-0		PUBLIC UTILITY FINANCIAL PLANNING SYSTEM GUIDE PROGRAM NUMBER 5798-AAQ
34	GB21-0046-0		SMF SELECTABLE ANALYZER FDP AVAILABILITY NOTICE, PROG. NO. 5798-AAR
34	SB21-0047-0		OPERATING SYSTEM/360 SYSTEM MANAGEMENT FACILITY SELECTABLE ANALYZER - PROGRAM DESCRIPTION/OPERATION MANUAL PROGRAM NUMBER 5798-AAR
34	**LB21-0048-1		OS SMF SELECTABLE ANALYZER SYSTEMS GUIDE, FDP PROG. NO. 5798-AAR
30	GB21-0061-0		MINIMUM TELEPROCESSING COMMUNICATION SYSTEM (DOS) - FDP AVAILABILITY NOTICE, PROG. NO. 5798-AAY
30	**SB21-0062-1		MINIMUM TELEPROCESSING COMMUNICATIONS SYSTEM MANUAL PROGRAM NUMBER 5798-AAY
30	LB21-0063-0	LN20-6067	MINIMUM TELEPROCESSING COMMUNICATIONS SYSTEM: FDP SYSTEMS GUIDE, PROG. NO. 5798-AAY, FEATURE NO. 8021
36	GB21-0067-0		USER ROLLOUT/ROLLIN FOR SYSTEM/360 MODEL 22 & UP - FDP AVAILABILITY NOTICE - PROG. NO. 5798-ABA
36	SB21-0068-0		DISK OPERATING SYSTEM DYNAMIC ROLLOUT/ROLLIN FIELD DEVELOPED PROGRAM DESCRIPTION OPERATIONS MANUAL PROGRAM NUMBER 5798-ABA
36	LB21-0069-1		DISK OPERATING SYSTEM DYNAMIC ROLLOUT/ROLLIN PROGRAM NUMBER 5798-ABA - FIELD DEVELOPED PROGRAM SYSTEMS GUIDE
79	GB21-0136-1		DATA CLASSIFICATION SYSTEM (UNDER OS AND DOS) - FDP AVAILABILITY NOTICE, PROG. NO. 5798-ACC
79	SB21-0137-0		DATA CLASSIFICATION SYSTEM FOR THE SYSTEM/360 PROGRAM DESCRIPTION/OPERATIONS MANUAL PROGRAM NUMBER 5798-ACC
79	LB21-0138-0		DATA CLASSIFICATION SYSTEM FOR THE SYSTEM/360 SYSTEMS GUIDE - PROGRAM NUMBER 5798-ACC

72	GB21-0157-0			PRODUCT AND INVENTORY COSTING WITH TRENDS FOR USER REPORTING AND EVALUATION (PICTURE) - DCS - FDP AVAILABILITY NOTICE, PROG. NO. 5798-ACL
72	SB21-0158-0			PRODUCT AND INVENTORY COSTING WITH TRENDS FOR USER REPORTING AND EVALUATION - PROGRAM NUMBER 5798-ACL
72	LB21-0159-0	LN20-6068		PROGRAM DESCRIPTION/OPERATIONS MANUAL
74	GB21-0229-0			PRODUCT AND INVENTORY COSTING WITH TRENDS FOR USER REPORTING AND EVALUATION - SYSTEMS GUIDE - PROGRAM NUMBER 5798-ACL
74	**SB21-0230-1#			SHAS PENDING INSURANCE CLAIMS ACCOUNTING PROGRAMS (DOS) FDP AVAILABILITY NOTICE, PROG. NO. 5798-ADN
74	LB21-0231-0	LN20-6015	LN20-6090	SHAS PENDING INSURANCE CLAIMS - PROGRAM NUMBER 5798-ADN
30	GB21-0238-0			PROGRAM DESCRIPTION/OPERATIONS MANUAL
30	**SB21-0239-1#			FIELD DEVELOPED PROGRAM - SYSTEMS GUIDE
30	**LB21-0240-1#			DOS 2311-2314/19 DASD DEVICE INDEPENDENCE ROUTINES
24	GB21-0283-0			FDP AVAILABILITY NOTICE - PROG. NO. 5798-ADT
24	**SB21-0284-1#	**SN20-6149		DOS 2311-2314/19 DASD DEVICE INDEPENDENCE ROUTINES
24	**LB21-0285-1			PROGRAM DESCRIPTION/OPERATIONS MANUAL
78	GB21-0313-0			PROGRAM NUMBER 5798-ADT
78	SB21-0314-0			DOS 2311-2314/19 DASD DEVICE INDEPENDENCE ROUTINES
78	LB21-0315-0			SYSTEMS GUIDE - PROGRAM NUMBER 5798-ADT
78	GB21-0316-0			TSO ON-LINE COBOL SYMBOLIC DEBUG - FDP AVAILABILITY NOTICE
78	SB21-0317-0			PROGRAM NUMBER 5798-AEZ
78	LB21-0318-0			TSO ON-LINE COBOL SYMBOLIC DEBUG
80	GB21-0322-0			PROGRAM DESCRIPTION/OPERATIONS MANUAL
80	SB21-0323-0			PROGRAM NUMBER 5798-AEZ
80	LB21-0324-0			TSO ON-LINE COBOL SYMBOLIC DEBUG - SYSTEMS GUIDE
21	GB21-0334-0			PROGRAM NUMBER 5798-AEZ
21	**SB21-0335-3#			OS ROTABLE CONTROL PROGRAM - FIELD DEVELOPED PROGRAM
21	SB21-0335-2#			AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AFA
21	**LB21-0336-1#	**LN20-6118	**LN20-6183	OS ROTABLE CONTROL PROGRAM - FIELD DEVELOPED PROGRAM
24	GB21-0387-0			DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AFA
24	**SB21-0388-0			SYSTEMS GUIDE - PROGRAM NUMBER 5798-AFA
24	**LB21-0389-1#	**GN20-6076		DOS ROTABLE CONTROL PROGRAM - FDP AVAILABILITY NOTICE, PROG. NO. 5798-AFC
81	GB21-0393-0			IBM DISK OPERATING SYSTEM/360 ROTABLE CONTROL PROGRAM
81	SB21-0394-0			FIELD DEVELOPED PROGRAM DESCRIPTION/OPERATIONS MANUAL
81	LB21-0395-0			PROGRAM NUMBER 5798-AFC
82	**GB21-0399-0			IBM DISK OPERATING SYSTEM/360 ROTABLE CONTROL PROGRAM
82	**SB21-0400-0			FIELD DEVELOPED PROGRAM SYSTEMS GUIDE
82	**LB21-0401-0			PROGRAM NUMBER 5798-AFC
82	**GB21-0408-1			DOS APPLICATION DOCUMENTATION PROGRAM - FIELD DEVELOPED
82	**SB21-0409-0	**SN20-6153		PROGRAM AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AFF
82	**LB21-0410-0			DOS APPLICATION DOCUMENTATION PROGRAM - FIELD DEVELOPED
30	GB21-0411-0			PROGRAM DESCRIPTION/OPERATIONS MANUAL
30	SB21-0412-0			PROGRAM NUMBER 5798-AFF
30	LB21-0413-0			DOS TO OS ASSEMBLER MACRO CONVERSION
				FIELD DEVELOPED PROGRAM AVAILABILITY NOTICE
				DOS TO OS ASSEMBLER LANGUAGE MACRO CONVERSION
				FIELD DEVELOPED PROGRAM
				PROGRAM DESCRIPTION/OPERATIONS MANUAL
				PROGRAM NUMBER 5798-AFL
				DOS TO OS ASSEMBLER LANGUAGE MACRO CONVERSION - FIELD
				DEVELOPED PROGRAM SYSTEMS GUIDE - PROGRAM NUMBER 5798-AFL
				HONEYWELL 200 SERIES CCBOL TC IBM ANS COBOL CONVERSION AIDS
				FDP AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AGC
				HONEYWELL 200 SERIES COBOL TO IBM ANS COBOL CONVERSION AID
				FIELD DEVELOPED PROGRAM DESCRIPTION/OPERATIONS MANUAL
				PROGRAM NUMBER 5798-AGC
				HONEYWELL 200 SERIES CCBOL TC IBM ANS COBOL CONVERSION AID
				FIELD DEVELOPED PROGRAM-SYSTEMS GUIDE - PROGRAM NUMBER
				5798-AGC
				IBGS - INTERACTIVE BUSINESS GAME SIMULATION - A GENERAL
				BUSINESS SIMULATION FOR APL/360 - PROGRAM NUMBER 5798-AGM
				FIELD DEVELOPED PROGRAM-AVAILABILITY NOTICE
				IBGS - INTERACTIVE BUSINESS GAME SIMULATION - A GENERAL
				BUSINESS SIMULATION FOR APL/360 - FIELD DEVELOPED PROGRAM
				DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AGM
				IBGS - INTERACTIVE BUSINESS GAME SIMULATION - A GENERAL
				BUSINESS SIMULATION FOR APL/360 - FIELD DEVELOPED PROGRAM
				SYSTEMS GUIDE - PROGRAM NUMBER 5798-AGM
				APL COORDINATE GEOMETRY SYSTEM FOR SYSTEM/370 AVAILABILITY
				NOTICE - FDP NUMBER 5798-AGF
				APL COORDINATE GEOMETRY SYSTEM FOR SYSTEM/370 PROGRAM
				DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AGF
				APL COORDINATE GEOMETRY SYSTEM FOR SYSTEM/370 SYSTEMS GUIDE
				FDP NUMBER 5798-AGF
				ZEROS AND INTEGRALS IN APL FDP AVAILABILITY NOTICE - PROGRAM
				NUMBER 5798-AGJ
				ZEROS AND INTEGRALS IN APL FDP - PROGRAM
				DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AGJ
				ZEROS AND INTEGRALS IN APL FDP - SYSTEMS GUIDE - PROGRAM
				NUMBER 5798-AGJ
				GRAPHPAK - INTERACTIVE GRAPHICS PACKAGE FOR APL/360
				PROG. NO. 5798-AGK - FDP AVAILABILITY NOTICE
				GRAPHPAK - INTERACTIVE GRAPHICS PACKAGE FOR APL/360
				FIELD DEVELOPED PROGRAM DESCRIPTION/OPERATIONS MANUAL
				PROGRAM NUMBER 5798-AGK
				GRAPHPAK - INTERACTIVE GRAPHICS PACKAGE FOR APL/360
				FIELD DEVELOPED PROGRAM-SYSTEMS GUIDE
				PROGRAM NUMBER 5798-AGK

22	**GB21-0414-0		GRAPHS AND HISTOGRAMS IN APL AVAILABILITY NOTICE - FDP NUMBER 5798-AGL
22	**SB21-0415-0		GRAPHS AND HISTOGRAMS IN APL PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AGL
22	**LB21-0416-0		GRAPHS AND HISTOGRAMS IN APL SYSTEMS GUIDE - FDP NUMBER 5798-AGL
72	**GB21-0432-1		ANALYTICAL PROCESSING TECHNIQUE (APT) UNDER CP-67/CMS FDP AVAILABILITY NOTICE, PROG. NO. 5798-AGD
72	**SB21-0433-1		APT UNDER CMS: FDP PROGRAM DESCRIPTION/OPERATIONS MANUAL, PROG. NO. 5798-AGD
72	**LB21-0434-1		APT UNDER CP/CMS - PROGRAM NUMBER 5798-AGD
79	GB21-0450-0		FIELD DEVELOPED PROGRAM-SYSTEMS GUIDE
79	**SB21-0451-1		DOS TIME ACCOUNTING AND BILLING - FDP AVAILABILITY NOTICE, PROG. NO. 5798-AHB
79	**LB21-0452-2#		DOS TIME ACCOUNTING AND BILLING - FIELD DEVELOPED PROGRAM DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AHB
24	GB21-0490-0	**LN20-6145	DOS TIME ACCOUNTING AND BILLING - FIELD DEVELOPED PROGRAM-SYSTEMS GUIDE - PROGRAM NUMBER 5798-AHB
24	**SB21-0491-0		UNIVAC 9300 COBOL TO IBM ANS CCBOL CONVERSION AID PROG. NO. 5798-AHP, FDP AVAILABILITY NOTICE
24	**LB21-0492-0		UNIVAC 9300 COBOL TO IBM ANS COBCL CONVERSION AID FIELD DEVELOPED PROGRAM DESCRIPTION/OPERATIONS MANUAL PROGRAM NUMBER 5798-AHP
24	**GB21-0493-1		UNIVAC 9300 COBOL TO IBM ANS COBOL CONVERSION AID FIELD DEVELOPED PROGRAM-SYSTEMS GUIDE - PROGRAM NUMBER 5798-AHP
24	**SB21-0494-0		RCA COBOL TO IBM ANS COBOL CONVERSION AID FOR SYSTEM/360/370 AVAILABILITY NOTICE - FDP NUMBER 5798-AHT
24	**LB21-0495-0		RCA COBOL TO IBM ANS COBOL CONVERSION AID FOR SYSTEM/360,370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AHT
81	GB21-0505-0		RCA COBOL TO IBM ANS COBOL CONVERSION AID FOR SYSTEM/360,370 SYSTEMS GUIDE - FDP NUMBER 5798-AHT
81	SB21-0506-0		CUSTOMER INFORMATION FILE USING DOS/CICS FDP - AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AHX
81	LB21-0507-0		CUSTOMER INFORMATION FILE USING DOS/CICS FDP - PROGRAM DESCRIPTION/OPERATIONS MANUAL PROGRAM NUMBER 5798-AHX
79	GB21-0541-0		CUSTOMER INFORMATION FILE USING DOS/CICS FDP - SYSTEMS GUIDE - PROGRAM NUMBER 5798-AHX
79	SB21-0542-0		LEASE VS. PURCHASE ANALYSIS OF CAPITAL EXPENDITURES FDP AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AJK
79	LB21-0543-0		LEASE VS. PURCHASE ANALYSIS OF CAPITAL EXPENDITURES PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AJK
40	GB21-0553-0		LEASE VS. PURCHASE ANALYSIS OF CAPITAL EXPENDITURES SYSTEMS GUIDE - FDP NUMBER 5798-AJK
40	SB21-0554-0		OPERATOR TRAINING - DOS CONSOLE SIMULATION DRILLS: BASIC TRAINING COURSE A3609 (PRCG. NO. 5798-AJM), CUSTOMER PROBLEM DETERMINATION COURSE A3611 (PROG. NO. 5798-AJN), AND MULTIPROGRAMMING COURSE A3612 (PROG. NO. 5798-AJP)
40	LB21-0555-0		FIELD DEVELOPED PROGRAMS-AVAILABILITY NOTICE
40	SB21-0557-0		DOS BASIC OPERATOR TRAINING - PROGRAM DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AJM
40	LB21-0558-0		DOS BASIC OPERATOR TRAINING - SYSTEMS GUIDE
40	SB21-0560-0		FIELD DEVELOPED PROGRAM - PROGRAM NUMBER 5798-AJM
40	LB21-0561-0		DOS CUSTOMER PROBLEM DETERMINATION OPERATOR TRAINING PROGRAM DESCRIPTION/OPERATIONS MANUAL - FIELD DEVELOPED PROGRAM - PROGRAM NUMBER 5798-AJN
36	GB21-0574-0		DOS CUSTOMER PROBLEM DETERMINATION OPERATOR TRAINING FIELD DEVELOPED PROGRAM SYSTEMS GUIDE - PROGRAM NUMBER 5798-AJN
36	SB21-0575-0		DOS MULTIPROGRAMMING OPERATOR TRAINING - FIELD DEVELOPED PROGRAM - PROGRAM DESCRIPTION/OPERATIONS MANUAL PROGRAM NUMBER 5798-AJP
36	LB21-0576-0		DOS MULTIPROGRAMMING OPERATOR TRAINING - SYSTEMS GUIDE
32	**GB21-0610-0		FIELD DEVELOPED PROGRAM - PROGRAM NUMBER 5798-AJP
32	**SB21-0611-0		OS/360/370 JOB CONTROL LANGUAGE DEVICE DEPENDENT PARAMETER CONVERSION AND REPLACEMENT (DDPREP) AVAILABILITY NOTICE FDP NUMBER 5798-AJU
32	**LB21-0612-0		OS/360/370 JOB CONTROL LANGUAGE DEVICE DEPENDENT PARAMETER CONVERSION AND REPLACEMENT (DDPREP) PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AJU
30	GB21-0620-0		OS/360/370 JOB CONTROL LANGUAGE DEVICE DEPENDENT PARAMETER CONVERSION AND REPLACEMENT (DDPREP) - SYSTEMS GUIDE - FDP NUMBER 5798-AJU
30	SB21-0621-0		2927 TAPE TO PRINTER UTILITY FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-AKH
30	LB21-0622-1#		2927 TAPE TO PRINTER UTILITY FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL FDP NUMBER 5798-AKH
37	**GB21-0635-0		2927 TAPE TO PRINTER UTILITY FOR SYSTEM/360,370 SYSTEMS GUIDE - FDP NUMBER 5798-AKH
37	**SB21-0636-0		3270 FORMAT MACRO FOR OUTPUT DATA STREAMS FDP - AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AKL
37	**LB21-0637-0		3270 FORMAT MACRO FOR OUTPUT DATA STREAMS FDP - PROGRAM DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AKL
			3270 FORMAT MACRO FOR OUTPUT DATA STREAMS FDP - SYSTEMS GUIDE - PROGRAM NUMBER 5798-AKL
			ERROR STATISTICS BY VOLUME FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-AKR
			ERROR STATISTICS BY VOLUME FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AKR
			ERROR STATISTICS BY VOLUME FOR SYSTEM/360, 370 SYSTEMS GUIDE FDP NUMBER 5798-AKR

79	**GB21-0638-1		DATA EDITING AND FORMATTING AIDS FOR SYSTEM/360 AVAILABILITY NOTICE - FDP NUMBER 5798-AKS
79	**SB21-0639-0	**SN20-6120	DATA EDITING AND FORMATTING AIDS FOR SYSTEM/360 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AKS
79	**LB21-0640-0	**LN20-6121	DATA EDITING AND FORMATTING AIDS FOR SYSTEM/360 SYSTEMS GUIDE
32	**GB21-0671-0		DOS/OS 3735 COMMUNICATIONS UTILITY FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-ALG
32	**SB21-0672-0	**SN20-6167	DOS/OS COMMUNICATIONS UTILITY FOR SYSTEM/360, 370 - PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ALG
32	**LB21-0673-0	**LN20-6177	DOS/OS COMMUNICATIONS UTILITY FOR SYSTEM/360, 370 SYSTEMS GUIDE - FDP NUMBER 5798-ALG
30	**GB21-0686-2		DOS 2311/14/19 - 3330 DASD DEVICE INDEPENDENCE ROUTINES AVAILABILITY NOTICE - FDP NUMBER 5798-ALK
30	**SB21-0687-1		DOS 2311/14/19-3330 DASD DEVICE INDEPENDENCE ROUTINES PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ALK
30	LB21-0688-0		DOS 2311/14/19-3330 DASD DEVICE INDEPENDENCE ROUTINES SYSTEMS GUIDE - FDP NUMBER 5798-ALK
21	**GB21-0704-0		BURROUGHS 100/200/300/500 BASIC ASSEMBLER LANGUAGE TO IBM DOS ALC CONVERSION AID FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-AMC
21	**SB21-0705-0		BURROUGHS 100/200/300/500 BASIC ASSEMBLER LANGUAGE TO IBM DOS ALC CONVERSION AID FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AMC
21	**LB21-0706-0		BURROUGHS 100/200/300/500 BASIC ASSEMBLER LANGUAGE TO IBM DOS ALC CONVERSION AID FOR SYSTEM/360, 370 SYSTEMS GUIDE - FDP NUMBER 5798-AMC
64	**GB21-0734-0		ARITHMETIC PROFICIENCY TRAINING PROGRAM USING SYSTEM/360 FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-ALY
64	**SB21-0735-0		ARITHMETIC PROFICIENCY TRAINING PROGRAM USING SYSTEM/360 FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ALY
64	**LB21-0736-0	**LN20-6155	ARITHMETIC PROFICIENCY TRAINING PROGRAM USING SYSTEM/360, 370 SYSTEMS GUIDE - FDP NUMBER 5798-ALY
30	**GB21-0740-0		DOS 3330 DATA SET CONVERSION AID AVAILABILITY NOTICE - FDP NUMBER 5798-AMN
30	**SB21-0741-0		DOS 3330 DATA SET CONVERSION AID PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AMN
30	**LB21-0742-0		DOS 3330 DATA SET CONVERSION AID SYSTEMS GUIDE - FDP NUMBER 5798-AMN
81	**GB21-0749-0		CUSTOMER INFORMATION FILE (CIF) USING CICS UNDER OS/VS1 AVAILABILITY NOTICE - FDP NUMBER 5798-AMR
81	**SB21-0750-0		CUSTOMER INFORMATION FILE (CIF) USING CICS UNDER OS/VS1 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AMR
81	**LB21-0751-0	**LN20-6172	CUSTOMER INFORMATION FILE (CIF) USING CICS UNDER OS/VS1 SYSTEM GUIDE - FDP NUMBER 5798-AMR
30	**GB21-0761-0		STREAM - A3270 INFORMATION DISPLAY SYSTEM PROGRAMMING FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-ANE
30	**SB21-0762-0		STREAM - A3270 INFORMATION DISPLAY SYSTEM PROGRAMMING AID FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ANE
30	**LB21-0763-0		STREAM - A3270 INFORMATION DISPLAY SYSTEM PROGRAMMING AID FOR SYSTEM/360, 370 SYSTEMS GUIDE - FDP NUMBER 5798-ANE
67	**GB21-0764-0		TELLER CONTROL SYSTEM UNDER CICS/DOS/360-370 ONLINE AVAILABILITY NOTICE - FDP NUMBER 5798-AND
67	**SB21-0765-0	**SN20-6173	TELLER CONTROL SYSTEM UNDER CICS/DOS/360-370 ONLINE PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AND
67	**LB21-0766-0		TELLER CONTROL SYSTEM UNDER CICS/DOS/360-370 ONLINE SYSTEMS GUIDE - FDP NUMBER 5798-AND
67	**SB21-0777-0		TELLER CONTROL FOR SYSTEM/370 CS PDOM - FDP NUMBER 5798-ANN
81	**GB21-0800-0		CPU CONSOLE AS SYSTEM/360, 370 CICS MASTER TERMINAL FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-ANK
81	**SB21-0801-1		CPU CONSOLE AS SYSTEM/360, 370 CICS MASTER TERMINAL FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ANK
81	**LB21-0802-0	**LN20-6162	CPU CONSOLE AS SYSTEM/360, 370 CICS MASTER TERMINAL FOR SYSTEM/360, 370 SYSTEMS GUIDE - FDP NUMBER 5798-ANK
24	**GB21-0836-0		BURROUGHS 2500 SERIES COBOL TO IBM ANS COBOL CONVERSION AID AVAILABILITY NOTICE - FDP NUMBER 5798-APH
24	**SB21-0837-0		BURROUGHS 2500 SERIES COBOL TO IBM ANS COBOL CONVERSION AID PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-APH
24	**LB21-0838-0		BURROUGHS 2500 SERIES COBOL TO IBM ANS COBOL CONVERSION AID SYSTEMS GUIDE - FDP NUMBER 5798-APH
67	**SB21-0852-0		THE TELLER CONTROL SYSTEM UNDER CICS/DOS/360-370 OFF-LINE PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-APX
67	**LB21-0853-0		TELLER CONTROL SYSTEM UNDER CICS/DOS/360-370 OFF-LINE SYSTEMS GUIDE - FDP NUMBER 5798-APX
32	**GB21-0857-0		OS/DITTO AVAILABILITY NOTICE - FDP NUMBER 5798-ARD
32	**SB21-0858-0		OS/DITTO PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ARD
32	**LB21-0859-0		OS/DITTO SYSTEMS GUIDE - FDP NUMBER 5798-ARD
32	**GB21-0875-1		DOS/DITTO FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-ARN
32	**SB21-0876-0		DOS/DITTO FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ARN
32	**LB21-0877-0		DOS/DITTO FOR SYSTEM/360, 370 SYSTEMS GUIDE - FDP NUMBER 5798-ARN
32	**GB21-0890-0		DOS FILE GENERATION UTILITY AVAILABILITY NOTICE - FDP NUMBER 5798-ARX
32	**SB21-0891-0		DOS FILE GENERATION UTILITY PDOM - FDP NUMBER 5798-ARX
32	**LB21-0892-0		DOS FILE GENERATION UTILITY SYSTEMS GUIDE - FDP NUMBER 5798-ARX
80	**GB21-0908-1		IMS/360 2260-3270 CCNVERSION AID FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-ASG
80	**SB21-0909-0	**SN20-6179	IMS/360 2260-3270 CCNVERSION AID FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ASG

80	**LB21-0910-0			IMS/360 2260-3270 CONVERSION AID FOR SYSTEM/360, 370 SYSTEMS GUIDE - FDP NUMBER 5798-ASG
74	**GB21-0935-0			HEALTH CARD SUPPORT/ADMISSIONS SYSTEM FOR SYSTEM/370 AVAILABILITY NOTICE - FDP NUMBER 5798-ASZ
79	**GB21-0938-0			DATA COMPRESSION/EXPANSION FOR S/360/370 AVAILABILITY NOTICE FDP NUMBER 5798-ATB
79	**SB21-0939-0			DATA COMPRESSION/EXPANSION FOR S/360/370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ATB
74	**GB21-0963-0			HEALTH CARE SUPPORT/PATIENT HISTORY SYSTEM FOR SYSTEM/370 AVAILABILITY NOTICE - FDP NUMBER 5798-ATR
74	**SB21-0964-0			HEALTH CARE SUPPORT/PATIENT HISTORY SYSTEM FOR SYSTEM/370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ATR
74	**LB21-0965-0			HEALTH CARE SUPPORT/PATIENT HISTORY SYSTEM FOR SYSTEM/370 SYSTEMS GUIDE - FDP NUMBER 5798-ATR
72	**GB21-0975-0			INTERACTIVE PLOTTING PCST PROCESSOR FOR APT UNDER CMS AVAILABILITY NOTICE - FDP NUMBER 5798-ARX
72	**SB21-0976-0			INTERACTIVE PLOTTING POST PROCESSOR FOR APT UNDER CMS PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ATX
79	**GB21-9945-0			DATA EDITING AND FORMATTING AIDS FOR S/360/370 REFERENCE CARD - FDP NUMBER 5798-AKS
81	**GB21-9947-0			S/360-S/370 YALE ALUMNI RECORDS DATA SYSTEM (YARDS) MARKETING MATERIALS FOLDER - IUP NUMBER 5796-ABF
85	**GB21-9949-1			CUSTOMER FDP/IUP POCKET INFORMATION BROCHURE
78	GB21-9981-0			VEHICLE MAINTENANCE AND COST ANALYSIS SYSTEM - MARKETING GUIDE - PROGRAM NUMBER 5798-AAG
24	GB21-9985-0			TIME SHARING OPTION CN-LINE COBOL SYMECLIC DEBUG REQUESTS REFERENCE SUMMARY FOR FDP
34	GB21-9986-0			SMF SELECTABLE ANALYZER AND ACCOUNTING FOR DP OPERATIONS FDP REPORTS MANUAL, PROG. NO. 5798-AAR
21	LCB6-3772-1	**LSC0-5101	**LSC0-5104	IBM SYSTEM/360 OS ASSEMBLER H - PROGRAM NUMBER 5734-AS1
33	LCB8-6757-2	**LSC0-5102	**LSC0-5103	
14	GCB8-6796-0			SYSTEM/360 DISK OPERATING SYSTEM SORT/MERGE PROGRAM NUMBER 5736-SM1
14	GCB8-6797-0			IBM 2947-4 CHECK COLLECTION CONTROLLER (RPQ #888264) SEQUENTIAL ACCESS METHOD (CSAM) MAIN MODULE-DOS MICROFICHE LISTING, PROG. NO. 5799-WAF
14	GCB8-6798-0			IBM 2947-4 CHECK COLLECTION CONTROLLER (RPQ #888264) SEQUENTIAL ACCESS METHOD (CSAM) ERR MODULE-DOS MICROFICHE LISTING - PROGRAM NUMBER 5799-WAF
14	GCB8-6799-0			IBM 2947-4 CHECK COLLECTION CONTROLLER (RPQ #888264) SEQUENTIAL ACCESS METHOD (CSAM) MAIN MODULE-OS MICROFICHE LISTING - PROGRAM NUMBER 5799-WAG
80	**SC09-0007-1			IBM 2947-4 CHECK COLLECTION CONTROLLER (RPQ #888264) SEQUENTIAL ACCESS METHOD (CSAM) ERR MODULE-OS MICROFICHE LISTING - PROGRAM NUMBER 5799-WAG
15	GC19-0001-5*	**GN19-0124	**GN19-0108	VANDL-1 PRPQ DESCRIPTION AND OPERATION MANUAL (VANCOUVER DATA LANGUAGE ONE) - PROGRAM NUMBER 5799-AEY
15	**GC19-0004-2	**GN19-0125	**GN19-0129	IBM SYSTEM/360 WORLD TRADE INSTALLATION MANUAL PHYSICAL PLANNING
		**GN19-0127	**GN19-0132	IBM SYSTEM/370 INSTALLATION MANUAL -- PHYSICAL PLANNING
85	GC20-1618-5#			NUMBER SYSTEMS - STUDENT TEXT
20	GC20-1619-8	**GN20-0030-29		CATALOG OF PROGRAMS FOR IBM SYSTEM/360 MODELS 25 AND ABOVE
85	SC20-1637-3			A GUIDE TO PL/I FOR FORTRAN USERS
85	SC20-1646-6			A PROGRAMMER'S INTRODUCTION TO IBM SYSTEM/360 ASSEMBLER LANGUAGE
85	**GC20-1649-6			INTRODUCTION TO IBM SYSTEM/360 DIRECT ACCESS STORAGE DEVICES AND ORGANIZATION METHODS
85	SC20-1651-2			A GUIDE TO PL/I FOR COMMERCIAL PROGRAMMERS COURSE CODE P3668
85	GC20-1667-1			INTRODUCTION TO IBM SYSTEM/360 ARCHITECTURE
85	GC20-1684-3#			AN INTRODUCTION TO IBM DATA PROCESSING SYSTEMS
36	GC20-1685-1			SYSTEM/360 DISK OPERATING SYSTEM USER'S GUIDE: CONTROL STATEMENT TECHNIQUES
04	**GC20-1686-3			OCR INPUT PREPARATION GUIDE FOR THE IBM 1287/1288 OPTICAL CHARACTER READERS
06	GC20-1688-3#			IBM 2260 DISPLAY STATION OPERATOR MANUAL
85	SC20-1689-1			AN INTRODUCTION TO THE COMPILE-TIME FACILITIES OF PL/I
85	**GC20-1699-4			A DATA PROCESSING GLOSSARY
85	GC20-1706-1			COURSEWRITER III (VERSION 2) STUDENT TEXT, PROG. NO. 360A-UX-01X
01	**GC20-1729-2			A GUIDE TO THE IBM SYSTEM/370 MODEL 155
01	**GC20-1730-2			A GUIDE TO THE IBM SYSTEM/370 MODEL 165
04	**GC20-1733-0			IBM 1287/1288 OCR ERROR RECOVERY GUIDE
01	**GC20-1734-2			A GUIDE TO THE IBM SYSTEM/370 MODEL 145
01	**GC20-1738-4			A GUIDE TO THE IBM SYSTEM/370 MODEL 135
04	**GC20-1739-0			HANDPRINTING CONSIDERATIONS FOR THE IBM 1287/1288 OPTICAL CHARACTER READERS
60	**GC20-1740-2			STATE AND LOCAL GOVERNMENT INDUSTRIES BIBLIOGRAPHY
85	GC20-1744-0			COURSEWRITER III, VERSION 3 STUDENT TEXT PROGRAM NUMBERS 5734-E13, 5736-E11
60	GC20-1747-0			BIBLIOGRAPHY OF APPLICATION PUBLICATIONS EDUCATION INDUSTRY
04	GC20-1751-0			IBM 3881 OPTICAL MARK READER SYSTEMS DESIGN GUIDE
01	GC20-1752-0			OS/VS1 FEATURES SUPPLEMENT (OPTIONAL SECTION FOR GC20-1734, GC20-1738, GC20-1754, OR GC20-1755)
01	GC20-1753-0			OS/VS2 FEATURES SUPPLEMENT (OPTIONAL SECTION FOR GC20-1734, GC20-1754, OR GC20-1755)
01	GC20-1754-0			A GUIDE TO THE IBM SYSTEM/370 MODEL 158
01	GC20-1755-0			A GUIDE TO THE IBM SYSTEM/370 MODEL 168
04	**GC20-1760-0			IBM 3886 OPTICAL CHARACTER READER FORMS KIT
20	**GC20-1800-0	**GN20-2600	**GN20-2604	IBM VIRTUAL MACHINE FACILITY/370 - INTRODUCTION MANUAL PROGRAM NUMBER 5749-010
34	**GC20-1801-1	**GN20-2607		IBM VIRTUAL MACHINE FACILITY/370 PLANNING AND SYSTEM GENERATION GUIDE

21	**GC20-1802-0	**GN20-2601		IBM VIRTUAL MACHINE FACILITY/370 ASSEMBLER PROGRAMMER'S GUIDE
23	**GC20-1803-1			IBM VIRTUAL MACHINE FACILITY/370 BASIC LANGUAGE REFERENCE MANUAL
36	**GC20-1804-0	**GN20-2602		IBM VIRTUAL MACHINE FACILITY/370 COMMAND LANGUAGE USER'S GUIDE - PROGRAM NUMBER 5749-010
36	**GC20-1805-0	**GN20-2603		IBM VIRTUAL MACHINE FACILITY/370 EDIT GUIDE
40	**GC20-1806-0	**GN20-2606		IBM VIRTUAL MACHINE FACILITY/370 OPERATOR'S GUIDE PROGRAM NUMBER 5749-010
37	**GC20-1807-0	**GN20-2608		IBM VIRTUAL MACHINE FACILITY/370 PROGRAMMER'S GUIDE TO DEBUGGING
40	**GC20-1808-1			IBM VIRTUAL MACHINE FACILITY/370 SYSTEM MESSAGES MANUAL
37	**GC20-1809-0	**GN20-2605		IBM VIRTUAL MACHINE FACILITY/370 OLTSEP AND ERROR RECORDING GUIDE - PROGRAM NUMBER 5749-010
40	**GC20-1810-0	**GN20-2611		IBM VIRTUAL MACHINE FACILITY/370 TERMINAL USER'S GUIDE PROGRAM NUMBER 5749-010
34	**GC20-1811-0	**GN20-2609		IBM VIRTUAL MACHINE FACILITY/370: RELEASE 1 GUIDE - PROGRAM NUMBER 5749-010
85	SC20-8092-1#			SYSTEM/360 DOS OPERATION TRAINING MANUAL: STUDENT TEXT, COURSE CODE A3650
85	**GC20-8095-2			IBM SYSTEM/360 INTRODUCTION TO TELE-PROCESSING STUDENT TEXT
25	GC21-5000-1	GN28-0219		IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT FORTRAN IV (CARD) PROGRAMMER'S GUIDE PROGRAM NUMBER 360P-FO-205
32	GC21-5001-1			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT DISTRIBUTION PROGRAM SPECIFICATIONS AND OPERATING GUIDE PROGRAM NUMBER 360P-UT-208
30	GC21-5004-2	**GN21-7658	**GN21-5147	OS DATA MANAGEMENT SERVICES AND MACRO INSTRUCTIONS FOR IBM 1285/1287/1288
28	**SC21-5005-3	**SN28-1021		IBM DOS RPG II LANGUAGE, PROG. NO. 5736-RG1
30	**GC21-5006-3			OS DATA MANAGEMENT SERVICES AND MACRO INSTRUCTIONS FOR IBM 1419/1275
30	GC21-5008-0			IBM SYSTEM/360 OPERATING SYSTEM PLANNING FOR THE IBM 3211 PRINTER DATA MANAGEMENT MACRO INSTRUCTIONS AND SERVICES
32	**SC21-5013-1	**SN21-5198		DOS IBM 1288 BASIC UNFORMATTED READ SYSTEM: A DATA CAPTURE UTILITY PROGRAM, PROG. NO. 5736-UT1
32	**SC21-5014-1	**SN21-5197		OS IBM 1288 BASIC UNFORMATTED READ SYSTEM: A DATA CAPTURE UTILITY PROGRAM, PROG. NO. 5734-UT3
28	GC21-5021-1			IBM DOS RPG II GENERAL INFORMATION MANUAL PROGRAM NUMBER 5736-RG1
30	GC21-5027-0			IBM SYSTEM/360 OS PROGRAM PLANNING GUIDE FOR IBM 3505 CARD READER AND IBM 3525 CARD PUNCH ON IBM SYSTEM/370
28	GC21-5028-3			IBM DISK OPERATING SYSTEM RPG II PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5736-RG1
28	SC21-5033-0	**SN28-1016		IBM SYSTEM/360 DISK OPERATING SYSTEM RPG TO RPG II CONVERSION REFERENCE MANUAL
30	GC21-5034-0			IBM SYSTEM/360 DISK OPERATING SYSTEM: PLANNING FOR THE IBM 3505 CARD READER AND THE IBM 3525 CARD PUNCH
30	GC21-5047-0			IBM 2596 CARD READ PUNCH DOS PROGRAM PLANNING GUIDE
28	GC21-5052-0			IBM DISK OPERATING SYSTEM RPG II AUTO REPORT FEATURE GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5736-RG1
28	SC21-5056-0	**SN28-1022		IBM DOS RPG II AUTO REPORT FEATURE - REFERENCE MANUAL PROGRAM NUMBER 5736-RG1
30	**GC21-5059-0			DOS PROGRAM PLANNING GUIDE FOR IBM 3886 OPTICAL CHARACTER READER MODEL 1
30	GC21-5063-0			DOS PROGRAMMING SUPPORT FOR IBM 2596 CARD READ PUNCH
32	**GC21-5067-1			PROGRAM PRODUCT FUNCTIONAL DESCRIPTION FOR IBM DOS 1288 BASIC UNFORMATTED READ SYSTEM - PROGRAM PRODUCT NUMBER 5736-UT1
32	**GC21-5068-0			PROGRAM PRODUCT FUNCTIONAL DESCRIPTION FOR IBM 1288 BASIC UNFORMATTED READ SYSTEM (MFT/MVT/VSI/VS2) PROG. NO. 5734-UT3
30	**GC21-5069-0	**GN21-5206		OS/VSI PROGRAMMING PLANNING GUIDE FOR IBM 3886 OPTICAL CHARACTER READER, MODEL 1 - PROGRAM NUMBER 5741-SC1-D5
07	**GC21-5072-1			IBM 3540 DISKETTE INPUT/OUTPUT UNIT SYSTEM INFORMATION MANUAL
28	GC21-7514-1			INTRODUCTION TO RPG II
25	GC21-9040-1	GN28-0223		IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT SPECIFICATIONS FORTRAN IV (16K CARD)
15	GC22-6820-11	**GN22-0441		IBM SYSTEM/360 INSTALLATION MANUAL - PHYSICAL PLANNING
15	GC22-6922-1			IBM 2911 MODELS 1, 2, AND 5 AND IBM 2989 MODEL 8, INSTALLATION MANUAL - PHYSICAL PLANNING
15	GC22-6939-0			IBM SYSTEM/360 SPECIAL FEATURE: 2680 CRT PRINTER INSTALLATION MANUAL PHYSICAL PLANNING
15	**GC22-7004-2	GN22-2009		IBM SYSTEM/370 INSTALLATION MANUAL -- PHYSICAL PLANNING
33	GC24-3320-7			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT SORT/MERGE PROGRAMS SPECIFICATIONS PROGRAMS: 1 - CHANNEL - 360P-SM-043 2 - CHANNEL - 360P-SM-044
33	GC24-3321-4	GN28-2389		IBM SYSTEM/360 BASIC OPERATING SYSTEM SORT/MERGE PROGRAM SPECIFICATIONS PROGRAM NUMBER 360B-SM-308
28	GC24-3337-5#	**GN21-5204		OS RPG LANGUAGE SPECIFICATIONS, PROG. NO. 360S-RG-038
37	GC24-3343-3#			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT AUTOTEST SPECIFICATIONS (8K TAPE) PROGRAM NUMBER 360P-PT-045
33	GC24-3345-3			IBM 1401/1460 TIMING PROGRAMS FOR IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT SORT/MERGE PROGRAMS (8K TAPE) PROGRAM 1401-LM-078, VERSION 2 (2401-2404) PROGRAM 1401-LM-080, VERSION 1 (2415)
36	GC24-3354-7	GN33-8596	GN33-8569	IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT BASIC TAPE SYSTEM PROGRAMMER'S GUIDE PROGRAM NUMBER 360P-AS-091

21	GC24-3355-7			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT ASSEMBLER WITH INPUT/OUTPUT MACROS (TAPE) SPECIFICATIONS
21	GC24-3361-6	GN33-8608 GN33-8571	GN33-8564 GN33-8633	SYSTEMS REFERENCE LIBRARY - PROGRAM NUMBER 360P-AS-021 IBM SYSTEM/360 BASIC OPERATING SYSTEM ASSEMBLER WITH INPUT/OUTPUT MACROS SPECIFICATIONS PROGRAM NUMBER 360B-AS-309
32	**GC24-3363-7#			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT DASD UTILITY PROGRAMS SPECIFICATIONS
21	GC24-3364-3	GN33-8639		IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT BASIC OPERATING SYSTEM MACRO DEFINITION LANGUAGE
36	GC24-3372-6	GN33-8605 GN33-8572 GN33-8531 GN24-5336	GN33-8565 GN33-8544 GN24-5328 GN33-8634	IBM SYSTEM/360 BASIC OPERATING SYSTEM PROGRAMMER'S GUIDE
28	GC24-3374-2			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT SPECIFICATIONS REPORT PROGRAM GENERATOR (CARD)
33	GC24-3377-0			IBM 1401/1460 TIMING PROGRAM FOR IBM BASIC OPERATING SYSTEM/360 SORT/MERGE PROGRAM PROGRAM 1401-LM-079
37	**GC24-3378-3#			IBM SYSTEM/360 BASIC OPERATING SYSTEM SPECIFICATIONS AUTOTEST (8K DISK) PROGRAM NUMBER 360B-PT-306
28	GC24-3387-5#			IBM SYSTEM/360 BASIC OPERATING SYSTEM REPORT PROGRAM GENERATOR SPECIFICATIONS PROGRAM NUMBER 360B-RG-307
40	GC24-3391-4	GN33-8573 GN33-8640	GN33-8562	IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT BASIC TAPE SYSTEM OPERATING GUIDE PROGRAM NUMBER 360P-AS-091 RPG PROGRAM NUMBER 360P-RG-201
32	GC24-3392-8	GN33-8641		IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT DASD UTILITY PROGRAMS OPERATING GUIDE
32	GC24-3396-4#			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT UNIVERSAL CHARACTER SET UTILITY PROGRAM OPERATING GUIDE PROGRAM NUMBER 360P-UT-048
30	**GC24-3398-5#			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT INPUT/OUTPUT 1412/1419 SPECIFICATIONS AND OPERATING GUIDE PROGRAM NUMBER 360P-IO-058
30	GC24-3408-2	GN33-8575		IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT INPUT/OUTPUT 1231 SPECIFICATIONS AND OPERATING GUIDE PROGRAM NUMBER: 360P-IO-060
32	GC24-3409-3	GN28-2338		IBM SYSTEM/360 BASIC OPERATING SYSTEM UTILITY PROGRAMS SPECIFICATIONS PROGRAM NUMBERS 360B-UT-300, 360B-UT-301
33	GC24-3413-3			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT SORT/MERGE PROGRAMS OPERATING GUIDE PROGRAMS: 1 - CHANNEL - 360P-SM-043 2 - CHANNEL - 360P-SM-044
21	GC24-3414-9#	**GN33-8157		IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEM ASSEMBLER LANGUAGE
37	GC24-3417-3#	**GN33-8642		IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT AUTOTEST OPERATING GUIDE PROGRAM NUMBER 360P-PT-045
28	GC24-3418-3			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT REPORT PROGRAM GENERATOR (TAPE) SPECIFICATIONS PROGRAM NUMBER 360P-RG-201
30	**GC24-3427-8#			DOS DATA MANAGEMENT CONCEPTS, PROG. NO. 360N-CL-453
30	GC24-3430-3			IBM SYSTEM/360, TAPE OPERATING SYSTEM, DATA MANAGEMENT CONCEPTS
24	**GC24-3433-6#			IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS COBOL LANGUAGE SPECIFICATIONS COBOL DOS PROGRAM NUMBER 360N-CB-452 COBOL TOS PROGRAM NUMBER 360M-CB-402
30	GC24-3437-2	GN33-8576	GN24-5350	IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT INPUT/OUTPUT 1418/1428 SPECIFICATIONS AND OPERATING GUIDE PROGRAM NUMBER 360P-IO-059
33	**GC24-3438-5#			IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS TAPE SORT/MERGE PROGRAM PROGRAM NUMBERS 360M-SM-400 360N-SM-400
33	GC24-3439-3			IBM 1401/1460 TIMING PROGRAM FOR DOS AND TOS TAPE SORT/MERGE PROGRAM, PROG. NO. 1401-LM-010(2401-2404), 1401-LM-012(2415)
37	**GC24-3441-4#			IBM SYSTEM/360 TAPE OPERATING SYSTEM AUTOTEST SPECIFICATIONS PROGRAM NUMBER 360M-PT-407
33	GC24-3444-5			IBM SYSTEM/360 DISK OPERATING SYSTEM DISK SORT/MERGE PROGRAM PROGRAM NUMBER 360N-SM-450
33	GC24-3445-2			IBM 1401/1460 TIMING PROGRAM FOR IBM SYSTEM/360 DISK OPERATING SYSTEM SORT/MERGE PROGRAM PROGRAM NUMBER 1401-LM-011
40	GC24-3450-3	GN33-8566 GN33-8533	GN33-8577	IBM SYSTEM/360 BASIC OPERATING SYSTEM OPERATING GUIDE
28	GC24-3464-2	GN21-5106		IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT REPORT PROGRAM GENERATOR (CARD) OPERATING GUIDE
32	GC24-3465-7	**GN33-8738		IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS UTILITY PROGRAMS SPECIFICATIONS PROGRAM NUMBERS 360N-UT-461, 462, 463
34	GC24-5015-6	GN24-5450		IBM SYSTEM/360 TAPE OPERATING SYSTEM, SYSTEM GENERATION AND MAINTENANCE
34	GC24-5020-5			IBM SYSTEM/360, TAPE OPERATING SYSTEM, PERFORMANCE ESTIMATES
40	GC24-5021-4			IBM SYSTEM/360, TAPE OPERATING SYSTEM, OPERATING GUIDE
40	**GC24-5022-12#			IBM SYSTEM/360 DISK OPERATING SYSTEM OPERATING GUIDE PROGRAM NUMBER 360N-CL-453
40	GC24-5024-4#			IBM SYSTEM/360 BASIC OPERATING SYSTEM OPERATOR MESSAGES
24	**GC24-5025-6#			IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS COBOL PROGRAMMER'S GUIDE PROGRAM NUMBERS 360N-CB-452 360M-CB-402
32	GC24-5026-2	GN28-2340		IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT CARD AND TAPE UTILITY PROGRAMS SPECIFICATIONS
32	GC24-5027-4	GN33-8658		IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT CARD AND TAPE UTILITY PROGRAMS OPERATING GUIDE

24	**GC24-5029-4#			IBM SYSTEM/360 OPERATING SYSTEM COBOL (E) PROGRAMMER'S GUIDE PROGRAM NUMBER 360S-CO-503
20	**GC24-5030-11#			IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS CONCEPTS AND FACILITIES
34	**GC24-5033-12			IBM SYSTEM/360 DISK OPERATING SYSTEM: SYSTEM GENERATION AND MAINTENANCE
34	GC24-5033-11	GN24-5434	GN33-8680	
		GN33-8702	**GN33-8735	
36	GC24-5034-2			IBM SYSTEM/360 TAPE OPERATING SYSTEM, SYSTEM CONTROL AND SYSTEM SERVICE PROGRAMS
30	GC24-5035-4			IBM SYSTEM/360, TAPE OPERATING SYSTEM, SUPERVISOR AND INPUT/OUTPUT MACROS
36	GC24-5036-7	**GN33-8736		IBM SYSTEM/360 DISK OPERATING SYSTEM: SYSTEM CONTROL AND SYSTEM SERVICE PROGRAMS
30	GC24-5037-11#	**GN33-8737		IBM SYSTEM/360 DISK OPERATING SYSTEM SUPERVISOR AND INPUT/OUTPUT MACROS
	GC24-5037-10#			SYSTEMS REFERENCE LIBRARY - PROGRAM NUMBER 360N-CL-453
25	**GC24-5038-4#			IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS BASIC FORTRAN IV PROGRAMMERS GUIDE
24	GC24-5039-1			PROGRAM NUMBERS 360N-FO-451 AND 360M-FO-409
20	GC24-5041-2			IBM SYSTEM/360 DISK OPERATING SYSTEM COBOL DASD MACROS PROGRAM NUMBER 360N-CB-468
32	GC24-5042-6	GN33-8697		IBM SYSTEM/360 BASIC OPERATING SYSTEM, MASTER INDEX DOS AND TOS UTILITY MACROS PROG. NOS. 360M-UT-411 AND 360N-UT-471
34	GC24-5061-4	GN33-8636		IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT BASIC TAPE SYSTEM SYSTEM GENERATION AND MAINTENANCE PROGRAM NUMBER 360P-AS-091
37	GC24-5062-1			IBM SYSTEM/360 DISK OPERATING SYSTEM AUTCTEST SPECIFICATIONS DOS MASTER INDEX
20	GC24-5063-4			IBM SYSTEM/360 TAPE OPERATING SYSTEM, PROGRAMMING INDEX TOS OLTEP SPECIFICATIONS AND OPERATING GUIDE, PROG. NO. 360M-DN-418
20	GC24-5064-1			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT MASTER INDEX IBM SYSTEM/360 BASIC SUPPORT
37	GC24-5066-3	GN24-5452		MODULAR FILE MAINTENANCE PROGRAM SPECIFICATIONS AND OPERATING GUIDE PROGRAM NUMBER 360P-UT-219
20	GC24-5067-1			BPS, BOS, TOS, AND DOS: TAPE LABELS
32	**GC24-5069-1#			IBM SYSTEM/360 DISK OPERATING SYSTEM, DASD LABELS DISK OPERATING SYSTEM SYSTEM PROGRAMMER'S GUIDE
30	**GC24-5070-3#			DOS MESSAGES - PROG. NO. 370N-CL-453
30	**GC24-5072-2#			DOS TO OS/MFT, OS/MVT, OR OS/VS1 MANAGEMENT PLANNING GUIDE DOS OLTEP
36	GC24-5073-2			OS/VS1 PLANNING AND USE GUIDE
40	GC24-5074-4	**GN33-8730		OS/VS PROGRAMMER'S REFERENCE DIGEST
34	**GC24-5082-1			OS/VS1 RELEASE 1 GUIDE
37	**GC24-5086-4#			OS/VS1 DEBUGGING GUIDE NUMBER 5741-010
34	**GC24-5090-1			OS/VS1 STORAGE ESTIMATES - SYSTEM LIBRARY
36	**GC24-5091-1			DOS TO OS/VS1 IMPLEMENTATION GUIDE
34	**GC24-5092-0	**GN24-5463	**GN24-5469	OS/VS1 RELEASE 2 GUIDE - PROG. NO. 5741-020
37	**GC24-5093-1			IBM SYSTEM/360 DOS-TO-OS IMPLEMENTATION GUIDE
34	**GC24-5094-1	**GN24-5460		DOS AND TOS PL/I (D) COMPILER PROGRAMMER'S GUIDE PL/I - PROGRAMMER'S GUIDE
34	**GC24-5095-1	GN24-5453		IBM SYSTEM/360 CONVERSION AIDS: THE 1401/1440/1460 TAPE OVERLAP EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 30, PROGRAM NUMBER 360C-EU-097
34	**GC24-5097-0	GN33-9124	GN33-9130	DOS AND TOS RPG LANGUAGE SPECIFICATIONS, PROG. NOS. 360N-RG-460 (DOS), 360M-RG-408 (TOS)
34	GC24-6000-0	GN33-9129		IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION: TSO ASSEMBLER PROMPTER DESIGN OBJECTIVES, PROGRAM 5734-CP2
29	GC24-9005-6			IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER H DESIGN OBJECTIVES SHEET, PROGRAM NUMBER 5734-AS1
35	GC26-3564-2			OS TSO ASSEMBLER PROMPTER USER'S GUIDE, PROG. NO. 5734-CP2
28	GC26-3570-7			IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER H SPECIFICATION SHEET, PROGRAM NUMBER 5734-AS1
21	GC26-3734-0			OS DATA MANAGEMENT SERVICES GUIDE - SYSTEMS REFERENCE LIBRARY - PROGRAM NUMBERS 360S-AS-036,037 360S-DM-508,509 360S-IO-526
21	GC26-3735-1			IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER (F) PROGRAMMER'S GUIDE - PROGRAM NUMBER 360S-AS-037
21	**SC26-3740-1			OS ASSEMBLER H GENERAL INFORMATION MANUAL, PROG. #5734-AS1
21	**GC26-3743-3			OS ASSEMBLER H PROGRAMMER'S GUIDE, PROG. NO. 5734-AS1
30	GC26-3746-1			IBM 2740/2968 AUDIO-VISUAL CONTROL USER'S GUIDE RPQ NUMBER F30209
21	**GC26-3756-7#	**GN33-8155		OS ASSEMBLER H SYSTEM INFORMATION, PROG. NO. 5734-AS1
21	**GC26-3758-2	GN33-8151		OS ASSEMBLER H MESSAGES, PROG. NO. 5734-AS1
21	**SC26-3759-1			OS ASSEMBLER H LANGUAGE, PROG. NO. 5734-AS1
14	GC26-3767-0			EMULATING DOS ON SYSTEM/370 UNDER OS
21	**SC26-3768-2			IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION ASSEMBLER PROMPTER PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5734-CP2
21	**SC26-3770-1			OS/VS DATA MANAGEMENT SERVICES GUIDE
21	**GC26-3771-2	GN33-8149		OS/VS CHECKPOINT/RESTART MANUAL
35	**GC26-3777-3	**GN33-7036		OS/VS SYSTEM GENERATION INTRODUCTION MANUAL
21	**GC26-3782-1			OS/VS1 SYSTEM GENERATION REFERENCE
30	**GC26-3783-2#	GN26-0763		OS/VS2 SYSTEM GENERATION REFERENCE
36	**GC26-3784-1	**GN26-0754		OS/VS DATA MANAGEMENT MACRO INSTRUCTIONS MANUAL
34	**GC26-3790-1			OS DATA MANAGEMENT MACRO INSTRUCTIONS - SYSTEMS REFERENCE LIBRARY - LIBRARY MANUAL - PROGRAM NUMBERS 360S-DM-508, 509 360S-IO-526
34	**GC26-3791-1	**GN26-0762	**GN26-0764	OS/VS TAPE LABELS MANUAL
34	**GC26-3792-1			OS TESTRAN SYSTEM INFORMATION - SYSTEMS REFERENCE LIBRARY PROGRAM NUMBER 360S-PT-516
30	**GC26-3793-2#			
30	GC26-3794-0			
30	**GC26-3795-1			
37	GC26-3796-0			

30	**GC26-3799-1			OS/VS VIRTUAL STORAGE ACCESS METHOD (VSAM) PLANNING GUIDE
31	**GC26-3813-1			OS/VS LINKAGE EDITOR AND LOADER MANUAL
30	GC26-5929-7			IBM SUBROUTINE LIBRARY (SRL), PRG. NCS. 1130-LM-001, 002
28	GC26-5999-1			IBM SYSTEM/360 RPG TRANSLATOR
35	GC27-6908-3	GN27-1323	GN27-1340	IBM SYSTEM/360 CONVERSION AIDS: THE 7074 EMULATOR PROGRAM
		GN27-1361		FOR IBM SYSTEM/360, MODELS 50 AND 65, PROGRAM NUMBER 360C-EU-725
30	**GC27-6909-6#			IBM SYSTEM/360 OPERATING SYSTEM, GRAPHIC PROGRAMMING
				SERVICES FOR IBM 2250 DISPLAY UNIT, PROGRAM NUMBER 360S-IO-523
35	**GC27-6911-3#			IBM SYSTEM/360 CONVERSION AIDS: THE 7080 EMULATOR PROGRAM
				FOR IBM SYSTEM/360 MODEL 65, PROGRAM NUMBER 360C-EU-727
30	GC27-6912-8			IBM SYSTEM/360 OPERATING SYSTEM GRAPHIC PROGRAMMING SERVICES
				FOR IBM 2260 DISPLAY STATION (LOCAL ATTACHMENT) PROGRAM NUMBER 360S-IO-523
31	GC27-6918-3			IBM SYSTEM/360 OPERATING SYSTEM: MAINTENANCE PROGRAM;
				PROGRAM NUMBER 360S-UT-506
32	GC27-6924-2			IBM SYSTEM/360 DISK OPERATING SYSTEM VOCABULARY FILE UTILITY
				PROGRAM FOR THE IBM 7772 AUDIO RESPONSE UNIT PROGRAM NUMBER 360N-UT-472
30	GC27-6927-1			IBM SYSTEM/360 OPERATING SYSTEM GRAPHIC PROGRAMMING SERVICES
				FOR IBM 2280 AND 2282 FILM UNITS PROGRAM NUMBER 360S-IO-523
35	GC27-6929-0			IBM SYSTEM/360 CONVERSION AIDS: SAMPLE PROBLEMS FOR IBM
				SYSTEM/360 EMULATOR PROGRAMS PROGRAM NUMBERS: 360C-EU-074 360C-EU-726 360C-EU-729 360C-EU-097 360C-EU-727 360C-EU-731 360C-EU-725 360C-EU-728 360C-EU-733
30	**GC27-6932-4#			IBM SYSTEM/360 OPERATING SYSTEM, GRAPHIC SUBROUTINE
				PACKAGE (GSP) FOR FORTRAN IV, COBOL, AND PL/I, PROGRAM NUMBER 360S-LM-537
30	GC27-6933-3	GN27-1371		IBM SYSTEM/360 OPERATING SYSTEM USER'S GUIDE FOR JOB CONTROL
				FROM THE IBM 2250 DISPLAY UNIT, PROGRAM NUMBER 360S-RC-541
36	GC27-6935-0			IBM SYSTEM/360 OPERATING SYSTEM PLANNING FOR ROLLOUT/ROLLIN
25	**GC27-6937-2#			IBM SYSTEM/360 OPERATING SYSTEM AND 1130 DISK MONITOR
				SYSTEM, SYSTEM/360 - 1130 DATA TRANSMISSION FOR FORTRAN PROGRAM NUMBERS 360S-LM-542 AND 1130-LM-011
30	GC27-6938-1	GN27-1315	GN27-1330	IBM SYSTEM/360 OPERATING SYSTEM AND 1130 DISK MONITOR SYSTEM
		GN27-1370		USER'S GUIDE FOR JOB CONTROL FROM AN IBM 2250 DISPLAY UNIT
				ATTACHED TO AN IBM 1130 SYSTEM PROGRAM NUMBERS 360S-RC-543 AND 1130-CQ-012
34	GC27-6939-10	**GN28-2546		IBM SYSTEM/360 OPERATING SYSTEM: MFT GUIDE
				A FIXED NUMBER OF TASKS (MFT) PROGRAM NUMBER 360S-CI-505
35	**GC27-6940-5#			SYSTEM/360 DISK OPERATING SYSTEM 1401/1440/1460
				EMULATOR PROGRAMS COMPATIBILITY SUPPORT 30/40 PROGRAM NUMBERS 360N-EU-484 AND 360N-EU-485
36	GC27-6942-2			IBM SYSTEM/360 OPERATING SYSTEM INTRODUCTION TO MAIN STORAGE
				HIERARCHY SUPPORT FOR IBM 2361 MODELS 1 AND 2
35	GC27-6948-2			EMULATING THE IBM 7074 ON THE IBM SYSTEM/370 MODEL 165
				USING OS/360
39	**GC27-6949-2			IBM SYSTEM/360 OPERATING SYSTEM: OPERATOR'S GUIDE FOR
				DISPLAY CONSOLES
35	GC27-6951-2			EMULATING THE IBM 7094 ON IBM MODELS 85 AND 165 USING OS/360
				PROG. NO. 360C-EU-734 (FOR MOD 85), 360C-EU-740 (FOR MOD 165)
35	GC27-6952-1			EMULATING THE IBM 7080 ON THE IBM SYSTEM/370 MODEL 165
				USING OS/360 - PROGRAM NUMBER 360C-EU-737
30	**SC27-6955-1			VIDEO/370 USERS GUIDE - PROGRAM PRODUCTS 5734-RC5, 5736-RC3
30	**SC27-6960-2			VIDEO/370 SYSTEM INFORMATION MANUAL - PROGRAM PRODUCTS
				5734-RC5, 5736-RC3
30	**GC27-6967-0			PROGRAM PRODUCT SPECIFICATIONS VIDEO/370 OS - PROGRAM NUMBER
				5734-RC5
30	**GC27-6969-0			PROGRAM PRODUCT SPECIFICATIONS VIDEO/370 DOS - PROGRAM
				NUMBER 5736-RC3
37	GC27-6970-0			IBM SYSTEM/360 OPERATING SYSTEM PROBLEM DETERMINATION AIDS
				AND MESSAGES AND CODES FOR GPS AND GSP - PROGRAM NUMBERS
				AND MESSAGES AND CODES FOR GPS AND GSP - PROGRAM NUMBERS
				360S-IO-523 AND 360S-LM-537
30	**GC27-6971-0	**GN27-1391		OS/VS GRAPHIC PROGRAMMING SERVICES (GPS) FOR IBM 2250
				DISPLAY UNIT - MANUAL
30	**GC27-6972-0	**GN27-1392		OS/VS GRAPHIC PROGRAMMING SERVICES (GPS) FOR IBM 2260
				DISPLAY STATION (LOCAL ATTACHMENT) - SYSTEM LIBRARY MANUAL
30	**GC27-6973-0	**GN27-1393		OS/VS GRAPHIC SUBROUTINE PACKAGE (GSP) FOR FORTRAN IV,
				COBOL, AND PL/I - SYSTEM LIBRARY
30	**GC27-6974-0	**GN27-1394		OS/VS PROBLEM DETERMINATION AIDS AND MESSAGES AND CODES FOR
				GPS AND GSP
30	GC27-6975-0			IBM 2260 BTAM AND 2260 GAM TO IBM 3270 BTAM CONVERSION
				GUIDE - PROGRAM NUMBERS 360S-CQ-513, 360N-CQ-469
30	GC27-6977-0			DOS PROGRAMMING SUPPLEMENT FOR THE 3270 INFORMATION DISPLAY
				SYSTEM - MANUAL
30	**GC27-6978-1			DOS VERSION 4 - BASIC TELECOMMUNICATIONS ACCESS METHOD
				MANUAL - PROGRAM NUMBER 370N-CQ-469
36	**GC27-6979-1	**GN27-1400	**GN27-1405	OS/VS SUPERVISOR SERVICES AND MACRO INSTRUCTIONS
30	**GC27-6980-1	**GN27-1417		OS/VS BTAM
30	**GC27-6987-1	**GN27-1416		INTRODUCTION TO VTAM (VIRTUAL TELECOMMUNICATIONS ACCESS
				METHOD)
36	**GC27-6992-0			OS/VS2 HASP II VERSION 4 - SYSTEMS PROGRAMMER'S GUIDE
				PROGRAM NUMBER 370H-TX-001
36	**GC27-6993-0			OS/VS2, HASP II VERSION 4 OPERATOR'S GUIDE
				PROG. NO. 370H-TX-001
30	**GC27-6995-0			VIRTUAL TELECOMMUNICATIONS ACCESS METHOD (VTAM) APPLICATION
				PROGRAMMER'S REFERENCE MANUAL - COMPONENT NUMBERS
				5741-SC1-DE AND 5742-SC1-DE
30	**GC27-6999-0			AN INTRODUCTION TO PROGRAMMING THE IBM 3270

34	**GC28-0600-2			OS/VS2 PLANNING AND USE GUIDE
34	**GC28-0601-1			OS/VS2 RELEASE 1 GUIDE
20	**GC28-0602-0			OS/VS MASTER INDEX
34	**GC28-0604-0			OS/VS2 STORAGE ESTIMATES MANUAL
36	**GC28-0617-2			OS/VS JCL SERVICES NUMBER 5741-010
36	**GC28-0618-2#			OS/VS JCL REFERENCE - SYSTEMS PUBLICATION
30	**GC28-0631-2#			OS/VS DATA MANAGEMENT FOR SYSTEM PROGRAMMERS
37	**GC28-0632-0	**GN28-2560		OS/VS2 DEBUGGING GUIDE
37	**GC28-0633-1	**GN28-2540		OS/VS SERVICE AIDS MANUAL
37	**GC28-0636-1#			OS/VS OLTEP MANUAL
37	**GC28-0638-1			OS/VS SYS1. LOGREC ERROR RECORDING MANUAL
37	**GC28-0640-0			OS/VS DYNAMIC SUPPORT SYSTEM - FEATURE NUMBERS 5007, 5008, 5413, AND 5414 - PROGRAM NUMBERS 5741 AND 5742
39	**GC28-0644-0			OS/VS2 TSO GUIDE
39	**GC28-0645-0			OS/VS2 TSO TERMINAL USER'S GUIDE
39	**GC28-0646-0	**GN28-2537		OS/VS2 TSO COMMAND LANGUAGE REFERENCE
39	**GC28-0648-0			OS/VS2 TSO GUIDE TO WRITING A TERMINAL MONITOR PROGRAM OR COMMAND PROCESSOR
34	**GC28-0661-1			INTRODUCTION TO OS/VS2 RELEASE 2
37	**GC28-0666-0	**GN28-2556		OS/VS OLTEP SYSTEMS PUBLICATION - COMPONENT NUMBERS 5741-SC1-06 AND 5742-SC1-06
34	**GC28-0667-0			OS/VS2 PLANNING GUIDE FOR RELEASE 2
21	GC28-2000-4			IBM SYSTEM/360 TIME-SHARING SYSTEM ASSEMBLER LANGUAGE
36	GC28-2001-7	GN28-3203		IBM SYSTEM/360 TIME-SHARING SYSTEM COMMAND SYSTEM USER'S GUIDE
20	GC28-2003-5			IBM SYSTEM/360 TIME SHARING SYSTEM CONCEPTS AND FACILITIES
21	GC28-2004-5#	GN28-3202		IBM SYSTEM/360 TIME-SHARING SYSTEM ASSEMBLER USER MACRO INSTRUCTIONS - SYSTEMS REFERENCE LIBRARY
31	GC28-2005-4	GN28-3206		IBM SYSTEM/360 TIME-SHARING SYSTEM LINKAGE EDITOR
37	GC28-2006-1			IBM SYSTEM/360 TIME-SHARING SYSTEM TIME SHARING SUPPORT SYSTEM
25	GC28-2007-3			IBM SYSTEM/360 TIME-SHARING SYSTEM FORTAN IV
36	GC28-2008-3	GN28-3210		IBM SYSTEM/360 TIME SHARING SYSTEM SYSTEM PROGRAMMER'S GUIDE
34	GC28-2010-6			IBM SYSTEM/360 TIME-SHARING SYSTEM SYSTEM GENERATION AND MAINTENANCE
40	GC28-2017-4			IBM SYSTEM/360 TIME SHARING SYSTEM VERSION 8.1: TERMINAL USER'S GUIDE
20	GC28-2023-3			IBM SYSTEM/360 TIME SHARING SYSTEM MASTER INDEX
36	GC28-2024-4			IBM SYSTEM/360 TIME-SHARING SYSTEM MANAGER'S AND ADMINISTRATOR'S GUIDE
25	GC28-2025-4	GN28-3204		IBM SYSTEM/360 TIME-SHARING SYSTEM FORTRAN PROGRAMMER'S GUIDE
25	GC28-2026-3	GN28-3182		IBM SYSTEM/360 TIME SHARING SYSTEM FORTRAN IV LIBRARY SUBPROGRAMS
37	GC28-2028-0	GN28-3198	GN28-3211	IBM SYSTEM/360 TIME SHARING SYSTEM TEST AND MAINTENANCE USER'S GUIDE - PROGRAM NUMBER 360G-CL-627
21	GC28-2032-5#	GN28-3201		IBM SYSTEM/360 TIME-SHARING SYSTEM ASSEMBLER PROGRAMMER'S GUIDE
40	GC28-2033-8	GN28-3207		IBM SYSTEM/360 TIME-SHARING SYSTEM OPERATOR'S GUIDE
34	GC28-2034-1	GN28-3184		IBM SYSTEMS/360 TIME SHARING SYSTEM MULTITERMINAL TASK PROGRAMMING AND OPERATION PROGRAM NUMBER 360S-CI-555
40	GC28-2037-7	GN28-3209	**GN28-3220	IBM SYSTEM/360 TIME SHARING SYSTEM: SYSTEM MESSAGES
32	GC28-2038-2	GN28-3205		IBM SYSTEM/360 TIME-SHARING SYSTEM INDEPENDENT UTILITIES
20	GC28-2043-12			IBM SYSTEM/360 TIME-SHARING SYSTEM ADDENDUM PROGRAM NUMBER 360S-CI-555
38	GC28-2044-0			IBM SYSTEM/360 TIME-SHARING SYSTEM PLANNING FOR REMOTE JOB ENTRY
29	GC28-2045-1	GN28-3171	GN28-3185	IBM SYSTEM/360 TIME-SHARING SYSTEM PL/I REFERENCE MANUAL PROGRAM NUMBERS 360G-CL-625 360G-CL-626
29	GC28-2046-1			IBM SYSTEM/360 TIME-SHARING SYSTEM PL/I LIBRARY COMPUTATIONAL SUBROUTINES - PROGRAM NUMBER 360G-CL-627
20	GC28-2048-4			IBM SYSTEM/360 TIME SHARING SYSTEM INTRODUCING TSS/360 A PRIMER FOR FORTRAN USERS PROGRAM NUMBER 360S-CI-555
29	GC28-2049-1#	GN28-3208		IBM SYSTEM/360 TIME SHARING SYSTEM PL/I PROGRAMMER'S GUIDE
30	GC28-2056-1			IBM SYSTEM/360 TIME SHARING SYSTEM DATA MANAGEMENT FACILITIES
38	GC28-2057-1			IBM SYSTEM/360 TIME SHARING SYSTEM REMOTE JOB ENTRY
24	**GC28-6380-4#			IBM SYSTEM/360 OPERATING SYSTEM COBOL (F) PROGRAMMER'S GUIDE PROGRAM NUMBER 360S-CB-524 360S-LM-525
24	**GC28-6394-3#			IBM DOS FULL AMERICAN NATIONAL STANDARD CCBOL, PROG. NOS. 360N-CB-482(V1 & 2), 5736-CB2(V3 COMPILER), LM2(V3 LIBRARY)
24	**GC28-6395-2#			IBM SYSTEM/360 COBOL DIFFERENCES USA STANDARD COBOL CONVERSION
24	GC28-6396-3	**GN28-1002		IBM OS FULL AMERICAN NATIONAL STANDARD COBOL SYSTEM LIBRARY MANUAL - PROGRAM NUMBERS: VERSION 2 360S-CB-545 VERSION 3 5734-CB1 VERSION 4 5734-CB2 (COMPILER AND LIBRARY) 5734-LM2 (LIBRARY ONLY)
25	GC28-6397-2	GN28-0592		IBM SYSTEM/360 DISK OPERATING SYSTEM FORTRAN IV PROGRAMMER'S GUIDE PROGRAM NUMBERS 360N-FO-479 360N-LM-480
24	**GC28-6398-3#	**GN28-1023		IBM SYSTEM/360 DISK OPERATING SYSTEM, FULL AMERICAN NATIONAL STANDARD COBOL: PROGRAMMER'S GUIDE, PROG. NO. 360N-CB-482
24	**GC28-6399-2			AMERICAN NATIONAL STANDARD COBOL PROGRAMMER'S GUIDE
24	**GC28-6400-1#			IBM CONVERSION AIDS: CCBOL-TC-AMERICAN NATIONAL STANDARD COBOL LANGUAGE CONVERSION PROGRAM PROGRAM NUMBERS 360N-CV-489, 360C-CV-713
24	**GC28-6402-3			IBM SYSTEM/360 DISK OPERATING SYSTEM: AMERICAN NATIONAL STANDARD SUBSET COBOL CCOMPILER GENERAL INFORMATION

24	GC28-6403-1			IBM SYSTEM/360 DISK OPERATING SYSTEM: AMERICAN NATIONAL STANDARD SUBSET COBOL PROGRAM NUMBER 5736-CB1
24	GC28-6406-1#			IBM SYSTEM/360 OPERATING SYSTEM FULL AMERICAN NATIONAL STANDARD (ANS) COBOL COMPILER VERSION 3 DESIGN OBJECTIVES SHEET, PROGRAM NUMBER 5734-CB1
24	GC28-6407-2			IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3: GENERAL INFORMATCN, PROG. NO. 5734-CB1
24	**GC28-6408-1			IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 4 - PPDO - PROG. NOS. 5734-CB2, -LM2
24	**GC28-6420-3			IBM DOS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER, VERSION 3: PPDO, PROG. NO. 5736-CB2 PROGRAM NUMBER 5736-CB2
24	GC28-6421-3#			IBM DOS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3, RELEASE 2, GENERAL INFORMATION PROG. NOS. 5736-CB2 (COMPILER), 5736-LM2 (LIBRARY) GENERAL INFORMATION
24	**GC28-6428-3			IBM DOS FULL AMERICAN NATIONAL STANDARD COBOL OBJECT-TIME SUBROUTINE LIBRARY: PPDC, PROG. NO. 5736-LM2 SUBROUTINE LIBRARY - PROGRAM NUMBER 5736-LM2
31	GC28-6429-0			IBM SYSTEM/360 OPERATING SYSTEM: LINKAGE EDITOR (G) INSTALLATION REFERENCE MATERIAL PROGRAM NUMBER 360S-ED-510
25	GC28-6430-0			IBM SYSTEM/360 OPERATING SYSTEM: FORTRAN IV (E) COMPILER, INSTALLATION REFERENCE MATERIAL PROGRAM NUMBER 360S-FO-092
24	GC28-6431-0	**GN28-0496	**GN28-1015	OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 4, PLANNING GUIDE - PROGRAM NOS. 5734-CB2, -LM2
24	**SC28-6432-1			IBM SYSTEM/360 OPERATING SYSTEM FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3, INSTALLATION REFERENCE MANUAL, PROGRAM NUMBER 5734-CB1
24	**SC28-6433-1			IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION COBOL PROMPTER TERMINAL USER'S GUIDE AND REFERENCE INFORMATION PROGRAM NUMBER 5734-CP1
24	SC28-6434-0	SN28-0445	**SN28-0476	IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) COBOL PROMPTER INSTALLATION REFERENCE MATERIAL 5734-CP1
24	GC28-6435-0			IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) COBOL PROMPTER PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5734-CP1
24	**GC28-6436-2			IBM SYSTEM/360 OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3, PROGRAM PRODUCT SPECIFICATIONS (PPS) - PROGRAM NUMBER 5734-CB1
24	**SC28-6437-1#	**SN28-0497		IBM SYSTEM/360 OPERATING SYSTEM FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3, PROGRAMMER'S GUIDE - PROGRAM NUMBER 5734-CB1
24	SC28-6438-0	SN28-0470		IBM SYSTEM/360 DISK OPERATING SYSTEM SUBSET AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY INSTALLATION REFERENCE MATERIAL - PROGRAM NUMBER 5736-CB1
24	SC28-6439-0	SN28-0472 **SN28-1017	SN28-0483	IBM SYSTEM/360 DISK OPERATING SYSTEM SUBSET AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY PROGRAMMER'S GUIDE - PROGRAM NUMBER 5736-CB1
24	SC28-6440-0			IBM SYSTEM/360 OPERATING SYSTEM FULL AMERICAN NATIONAL STANDARD COBOL, VERSION 3, MESSAGES PROGRAM NUMBER 5734-CB1
24	SC28-6441-1			IBM SYSTEM/360 DISK OPERATING SYSTEM: FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3 SYSTEM REFERENCE LIBRARY PROGRAMMER'S GUIDE PROGRAM NUMBERS 5736-CB2, 5736-LM2
24	SC28-6442-0	SN28-0450	SN28-0487	IBM DOS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3: INSTALLATION REFERENCE MANUAL, PROG. NOS. 5736-CB2 AND 5736-LM2
24	GC28-6443-2			IBM SYSTEM/360 DISK OPERATING SYSTEM FULL AMERICAN NATIONAL STANDARD COBOL COMPILER VERSION 3 SYSTEM REFERENCE LIBRARY PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5736-CB2
24	GC28-6444-2			IBM SYSTEM/360 DISK OPERATING SYSTEM: FULL AMERICAN NATIONAL STANDARD COBOL OBJECT TIME SUBROUTINE LIBRARY PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-LM2
24	**SC28-6445-1#			IBM SYSTEM/360 DISK OPERATING SYSTEM: FULL AMERICAN NATIONAL STANDARD COBOL VERSION 3 MESSAGES - SYSTEM REFERENCE LIBRARY MANUAL - PROGRAM NUMBERS 5736-CB2, 5736-LM2
24	SC28-6446-0	SN28-0484	**SN28-1018	IBM SYSTEM/360 DISK OPERATING SYSTEM SUBSET AMERICAN NATIONAL STANDARD COBOL MESSAGES - PROGRAM NUMBER 5736-CB1
24	GC28-6450-2			IBM SYSTEM/360 DISK OPERATING SYSTEM SUBSET AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY (PROGRAM PRODUCT SPECIFICATIONS) PROGRAM NUMBER 5736-CB1
24	**GC28-6454-1			IBM OS COBOL INTERACTIVE DEBUG AND (TSO) COBOL PROMPTER GENERAL INFORMATION MANUAL - PROGRAM PRODUCTS 5734-CB4, 5734-CP1
24	**SC28-6456-1#	**SN28-1029		IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY VERSION 4, PROGRAMMERS GUIDE - PROGRAM PRODUCTS 5734-CB2 AND 5734-LM2
24	**SC28-6457-0			IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 4, MESSAGES MANUAL - PROGRAM NUMBERS 5734-CB2, AND 5734-LM2
24	**SC28-6458-0	**SN28-1012		IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY VERSION 4 MESSAGE MANUAL - PROGRAM PRODUCTS 5734-CB2 AND 5734-LM2
24	**GC28-6463-1+			IBM OS COBOL INTERACTIVE DEBUG PROGRAM PRODUCT DESIGN OBJECTIVE - PROGRAM NUMBER 5734-CB4

24	**GC28-6464-2			IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 4 - PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBERS 5734-CB2, 5734-LM2
24	**SC28-6465-0			IBM OS COBOL INTERACTIVE DEBUG TERMINAL USER'S GUIDE AND REFERENCE - PROGRAM NUMBER 5734-CB4
24	**SC28-6468-0			IBM OS (TSO) COBOL INTERACTIVE DEBUG INSTALLATION REFERENCE MATERIAL - PROGRAM NUMBER 5734-CB4
24	**SC28-6469-0			IBM VM/370 OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 4 CMS - USER'S GUIDE PROGRAM NUMBERS 5734-CB2 AND 5734-LM2
24	**GC28-6473-0			IBM DOS/V S COBOL COMPILER AND LIBRARY GENERAL INFORMATION PROGRAM NUMBERS 5746-CB1 AND 5746-LM4
24	**GC28-6474-0			DOS/V S COBOL COMPILER AND LIBRARY DESIGN OBJECTIVES PROGRAM PRODUCT 5746-CB1 (COMPILER AND LIBRARY) AND 5746-LM4 (LIBRARY ONLY)
24	**GC28-6480-0			IBM DOS SUBSET AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY DESIGN OBJECTIVES PROG. PROD. 5736-CB1
21	GC28-6503-8#			BPS (CARD) BASIC ASSEMBLER & BASIC UTILITY PROGRAMS: SPECIFICATIONS & OPERATING GUIDE, PROG. NO. 360P-AS-021 AND 360P-UT-017 THROUGH 020
21	GC28-6514-8	**GN33-8154		IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER LANGUAGE PROGRAM NUMBERS 360S-AS-037, 360S-AS-036
25	**GC28-6515-9#	**GN28-0610		SYSTEM/360 AND SYSTEM/370 FORTRAN IV LANGUAGE, PROG. NO. 360N-LM-480
24	**GC28-6516-9#			IBM SYSTEM/360 OPERATING SYSTEM COBOL LANGUAGE PROGRAM NUMBER (COBOL E) 360S-CO-503 (COBOL F) 360S-CB-524
35	GC28-6529-2			IBM SYSTEM/360 CONVERSION AIDS: THE 1620 SIMULATOR FOR IBM SYSTEM/360, PROGRAM NUMBER 360C-SI-752
35	GC28-6530-1	GN33-7000		IBM SYSTEM/360 CONVERSION AIDS: THE 7070/7074 SIMULATOR FOR SYSTEM/360 - SYSTEMS REFERENCE LIBRARY PROGRAM NUMBER 360C-SI-753
35	GC28-6531-1			IBM SYSTEM/360 CONVERSION AIDS: THE 7080 SIMULATOR FOR IBM SYSTEM/360, PROG. NO. 360C-SI-751
35	GC28-6532-2			IBM SYSTEM/360 CONVERSION AIDS: THE 7090/7094 SIMULATOR FOR IBM SYSTEM/360 PROGRAM NUMBER 360C-SI-750
20	**GC28-6534-4#			IBM SYSTEM/360 OPERATING SYSTEM INTRODUCTION
31	**GC28-6538-10#			IBM OS LINKAGE EDITOR AND LOADER MANUAL - PROGRAM NUMBERS 360S-ED-510, 360S-ED-521, 360S-LD-547
33	**GC28-6538-9#	**GN26-0761		IBM SYSTEM/360 OPERATING SYSTEM, SORT/MERGE PROGRAM NUMBER 360S-SM-023
33	**GC28-6543-8			OS DATA MANAGEMENT FOR SYSTEM PROGRAMMERS - PROGRAM NUMBER 360S-CI-555
30	**GC28-6550-11			IBM SYSTEM/360 OPERATING SYSTEM: STORAGE ESTIMATES OS SYSTEM GENERATION GENERATION - SYSTEMS REFERENCE LIBRARY
34	**GC28-6551-16			IBM SYSTEM/360 CONVERSION AIDS: COBOL LANGUAGE CONVERSION PROGRAM FOR THE IBM 1401, PROGRAM NUMBER 1401-CB-701
34	**GC28-6554-12			IBM SYSTEM/360 TRANSITION AIDS: FORTRAN II LANGUAGE CONVERSION PROGRAM (1401-FO-702) FOR THE IBM 1401
24	GC28-6559-2			IBM SYSTEM/360 CONVERSION AIDS: THE 1401/1460 EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 40, PROGRAM NUMBER 360C-EU-074
25	GC28-6560-2#			IBM SYSTEM/360 CONVERSION AIDS: THE 1410/7010 EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 40, PROGRAM NUMBER 360C-EU-728
35	**GC28-6561-5#			IBM SYSTEM/360 CONVERSION AIDS: THE 1401/1460 EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 40, PROGRAM NUMBER 360C-EU-729
35	GC28-6563-4#			IBM SYSTEM/360 CONVERSION AIDS: THE 1410/7010 EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 40, PROGRAM NUMBER 360C-EU-726
35	GC28-6565-4	GN27-1322	GN27-1359	IBM SYSTEM/360 TRANSITION AIDS COBOL LANGUAGE DIFFERENCES IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT FORTRAN IV (TAPE) PROGRAMMER'S GUIDE PROGRAM NUMBER 360P-FO-031
35	GC28-6568-2	GN27-1326	GN27-1280	IBM SYSTEM/360 CONVERSION AIDS: THE 1401/7044 EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 65 PROGRAM NUMBER 360C-EU-733
24	GC28-6570-0			IBM SYSTEM/360 OPERATING SYSTEM: UTILITIES SYSTEMS REFERENCE LIBRARY - PROGRAM NUMBERS 360S-UT-506, 507
25	GC28-6583-2	GN28-0230		IBM SYSTEM/360 OPERATING SYSTEM, PL/I SUBROUTINE LIBRARY, COMPUTATIONAL SUBROUTINES, PROGRAM NUMBER 360S-LM-512
35	GC28-6585-1	GN27-1321 GN27-1295 GN27-1261	GN27-1305 GN27-1283 GN27-1360	IBM SYSTEM/360 OPERATING SYSTEM PL/I (F) PROGRAMMER'S GUIDE-PROG. NO. 360S-NL-511
31	**GC28-6586-15#			IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER (E) PROGRAMMER'S GUIDE - PROGRAM NUMBER 360S-AS-036
29	GC28-6590-2#			IBM SYSTEM/360 FORTRAN IV LIBRARY SUBPROGRAMS PROG. NOS. 360S-LM-501, 360F-LM-619, 360N-LM-480
29	**GC28-6594-8			IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (E) PROGRAMMER'S GUIDE PROGRAM NUMBER 360S-FO-092
21	GC28-6595-2	GN33-8084		IBM SYSTEM/360 OPERATING SYSTEM, ALGOL LANGUAGE OS/360 SYSTEM CONTROL BLOCKS PROG. NO. 360S-CI-566
25	GC28-6596-4	GN28-0588		IBM SYSTEM/360 BASIC FORTRAN LANGUAGE (OS, DOS, TOS & BPS)
25	GC28-6603-3			IBM SYSTEM/360 OPERATING SYSTEM: MESSAGES AND CODES SYSTEMS REFERENCE LIBRARY
26	GC28-6615-3			IBM SYSTEM/360 OPERATING SYSTEM MASTER INDEX
36	**GC28-6628-9			OS/360 SYSTEM SUPERVISOR SERVICES AND MACRO INSTRUCTIONS SYSTEMS REFERENCE LIBRARY MANUAL
25	GC28-6629-2			IBM SYSTEM/360 OPERATING SYSTEM TESTRAN
39	**GC28-6631-13			IBM SYSTEM/360 OPERATING SYSTEM: ONLINE TEST EXECUTIVE PROGRAM MANUAL OS RELEASE 21 - PROGRAM NUMBER 360S-DN-533
20	GC28-6644-6			IBM SYSTEM/360 OPERATING SYSTEM, SORT/MERGE TIMING ESTIMATES, PROGRAM NUMBER 360S-SM-023
36	GC28-6646-6	**GN27-1419		
37	GC28-6648-1			
37	GC28-6650-6	**GN28-2549		
33	GC28-6662-1			

36	**GC28-6670-6#	**GN28-2545		IBM SYSTEM/360 OPERATING SYSTEM: PROGRAMMER'S GUIDE TO DEBUGGING
33	**GC28-6676-5			IBM SYSTEM/360 DISK OPERATING SYSTEM
33	GC28-6679-1			TAPE AND DISK SORT/MERGE SRL MANUAL, PRG. NO. 360N-SM-483
30	**GC28-6680-5			IBM SYSTEM/360 DISK OPERATING SYSTEM TAPE AND DISK SORT/MERGE TIMING ESTIMATES PROGRAM NUMBER 360N-SM-483
14	GC28-6687-1			IBM SYSTEM/360 OPERATING SYSTEM: TAPE LABELS
30	SC28-6689-1			USER'S GUIDE FOR THE IBM 2947-4 CHECK COLLECTION CONTROLLER SEQUENTIAL ACCESS METHOD PROGRAM SUPPORTING RPQ 888264 PROGRAM NUMBERS 5799-WAF, 5799-WAG
40	**GC28-6691-3	**GN28-2544		USER'S GUIDE FOR THE IBM 2947 MODEL 4 CHECK COLLECTION CONTROLLER ASSEMBLY FACILITIES, PROGRAMMING - PRPQ P88003 PROGRAM NUMBER 5799-AAH
39	GC28-6692-2#			IBM SYSTEM/360 OPERATING SYSTEM OPERATOR'S REFERENCE
33	SC28-6695-1	SN33-8108		IBM SYSTEM/360 OPERATING SYSTEM: OPERATOR'S PROCEDURES
39	**GC28-6698-6			IBM SYSTEM/360 DISK OPERATING SYSTEM: TAPE AND DISK SORT/MERGE PROGRAM, REFERENCE MANUAL, PRG. NO. 5736-SM1
36	**GC28-6704-3			IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION PLANNING FOR TSO
36	GC28-6708-4			IBM SYSTEM/360 OPERATING SYSTEM: JOB CONTROL LANGUAGE REFERENCE
14	GC28-6709-0	GN28-2528		OS ADVANCED CHECKPOINT/RESTART
14	GC28-6711-0	GN28-2529		IBM 2969 PROGRAMMABLE TERMINAL INTERCHANGE MODEL 1 CONTROL PROGRAM OPERATOR'S GUIDE SUPPORTING RPQ 888117
34	**GC28-6712-7			IBM 2969 PROGRAMMABLE TERMINAL INTERCHANGE MODEL 1 CONTROL PROGRAM USER'S GUIDE SUPPORTING RPQ 888117
34	GC28-6716-0	GN28-2449		IBM SYSTEM/360 OPERATING SYSTEM SYSTEM MANAGEMENT FACILITIES REFERENCE MANUAL - PROGRAM NUMBERS 360S-CI-505, 360S-CI-535
37	GC28-6719-2	**GN28-2552		IBM SYSTEM/360 OPERATING SYSTEMS FEATURE GUIDE
34	GC28-6720-4	**GN28-2553		IBM SYSTEM/360 OPERATING SYSTEM: SERVICE AIDS
34	**GC28-6730-5			SYSTEMS REFERENCE LIBRARY
39	**GC28-6732-4			IBM SYSTEM/360 OPERATING SYSTEM MVT GUIDE
34	GC28-6733-1	GN28-2432	GN28-2434	IBM SYSTEM/360 OPERATING SYSTEM: RELEASE 20 GUIDE
37	**GC28-6747-3	GN28-2453	GN28-2466	IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION: COMMAND LANGUAGE
33	GC28-6753-1			IBM SYSTEM/360 OPERATING SYSTEM: RELEASE 19 GUIDE
33	SC28-6755-0	SN28-2431	SN33-8105	IBM SYSTEM/360 OPERATING SYSTEM: RELIABILITY DATA EXTRACTOR USER'S GUIDE
32	GC28-6758-0			IBM SYSTEM/360 DISK OPERATING SYSTEM: TAPE AND DISK SORT/MERGE PROGRAM, PROGRAM NUMBER 5736-SM1
32	**GC28-6759-2			PROGRAM PRODUCT SPECIFICATIONS
32	SC28-6760-0	**SN33-8707		IBM SYSTEM/360 DISK OPERATING SYSTEM: TAPE AND DISK SORT/MERGE PROGRAM, SYSTEM INFORMATION - PROGRAM NUMBER 5736-SM1
39	**GC28-6762-1			IBM SYSTEM/360 OPERATING SYSTEM DATA SET UTILITIES SUPPORT FOR ASCII - PROGRAM NUMBER 5734-UT2
39	GC28-6763-2#	**GN28-2555		OS/MPT, OS/MVT, AND OS/VS DATA SET UTILITIES SUPPORT FOR ASCII - PPS - PRG. NO. 5734-UT2
39	**GC28-6764-2			OS/MPT, OS/MVT, AND OS/VS DATA SET UTILITIES SUPPORT FOR ASCII: USER'S GUIDE, PRG. NO. 5734-UT2
32	**SC28-6765-3	**SN33-8719		OS/MVT AND OS/VS2 TSO TERMINALS MANUAL
32	SC28-6767-1	SN28-2505	**SN33-8710	IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION TERMINAL USER'S GUIDE
32	**GC28-6768-2	**SN33-8718		IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION GUIDE TO WRITING A TERMINAL MONITOR PROGRAM OR A COMMAND PROCESSOR
85	SC28-6808-1#			OS/MVT AND OS/VS2 TSO DATA UTILITIES: COPY, FORMAT, LIST & MERGE: USER'S GUIDE AND REFERENCE, PRG. NO. 5734-UT1
20	GC28-6810-2			OS/MVT AND OS/VS2 TSO DATA UTILITIES: COPY, FORMAT, LIST, & MERGE - PPS - PRG. NO. 5734-UT1
21	GC28-6811-1	GN33-8543	GN33-8663	A PL/I PRIMER
36	**GC28-6812-3#			IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEMS CONCEPTS AND FACILITIES
25	GC28-6813-2	GN33-8602	GN33-8665	IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM ASSEMBLER LANGUAGE, PROGRAM NUMBER 360F-AS-616
36	GC28-6814-1	GN33-8547	GN33-8666	IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM GUIDE TO SYSTEM USE
40	GC28-6815-3	GN33-8598	GN33-8667	IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM
35	GC28-6816-0			GUIDE TO SYSTEM USE FOR FORTRAN PROGRAMMERS
25	**GC28-6817-3#			IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM SYSTEMS PROGRAMMER'S GUIDE
25	**GC28-6818-1#			SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM OPERATOR'S GUIDE
25	GC28-6819-0			IBM SYSTEM/360 CONVERSION AIDS: 1620 SIMULATOR FOR IBM SYSTEM/360 MODEL 44 PROGRAM NUMBER 360C-SI-755
29	GC28-6820-2			IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (G AND H) PROGRAMMER'S GUIDE
29	GC28-6821-2			PROGRAM NUMBERS 360S-FO-500 360S-FO-520
29	GC28-6825-2	GN28-0451	**GN28-1010	OS FORTRAN IV LIBRARY: MATHEMATICAL AND SERVICE SUBPROGRAMS, PRG. NO. 360S-LM-501
				IBM SYSTEM/360 FORTRAN IV LANGUAGE HANDBOOK FOR CONVERSION FROM IBM 7090/7094 FORTRAN IV PROGRAM NUMBER 7090-PR-130
				OS ITF: PL/I AND BASIC PROGRAM PRODUCT DESIGN OBJECTIVES PROGRAM NUMBERS 5734-RC1 AND 5734-RC3
				IBM SYSTEM/360 DISK OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY
				PL/I AND BASIC (PROGRAM PRODUCT DESIGN OBJECTIVES) PROGRAM NUMBERS 5736-RC1, 5736-RC2
				IBM SYSTEM/360 OS/DOS AND OS (TSO) ITF: PL/I AND BASIC GENERAL INFORMATION, PRG. NCS. 5734-RC1/2/3/4, 5736-RC1/2

29	**GC28-6829-4			IBM SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY: PL/I (5734-RC1) AND BASIC (5734-RC3) SPECIFICATION SHEET
29	GC28-6830-2			IBM SYSTEM/360 DISK OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY: PL/I AND BASIC - PPS PROGRAM NUMBERS: 5736-RC1 5736-RC2
39	GC28-6831-0			IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) INTERACTIVE TERMINAL FACILITY: PL/I AND BASIC PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBERS 5734-RC2, 5734-RC4
25	**GC28-6832-2			IBM SYSTEM/360 OPERATING SYSTEM CODE AND GO FORTRAN PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-FO1
29	SC28-6833-1			IBM SYSTEM/360 OS/DOS ITF: PL/I INTRODUCTION PROGRAM NUMBERS 5734-RC1, 5736-RC1
29	SC28-6834-1	**SN28-1020		IBM SYSTEM/360 OS/DOS ITF: PL/I TERMINAL USER'S GUIDE PROGRAM NUMBERS 5734-RC1, 5736-RC1
23	SC28-6835-1#	**SN28-1019	SN28-0453	IBM SYSTEM/360 OS/DOS ITF: BASIC TERMINAL USER'S GUIDE PROGRAM NUMBERS 5736-RC2, 5734-RC3
34	**SC28-6836-2			IBM SYSTEM/360 OS/DOS ITF INSTALLATION REFERENCE MATERIAL PROGRAM NUMBERS 5734-RC1, 3; 5736-RC1, 2
23	GC28-6837-0			BASIC LANGUAGE REFERENCE MANUAL
39	SC28-6838-0			IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) INTERACTIVE TERMINAL FACILITY: PL/I INTRODUCTION PROGRAM NUMBER 5734-RC2
39	SC28-6839-0	SN28-0448	**SN28-1034	IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) INTERACTIVE TERMINAL FACILITY: PL/I TERMINAL USER'S GUIDE PROGRAM NUMBER 5734-RC2
39	SC28-6840-0	SN28-0449	**SN28-1035	IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) INTERACTIVE TERMINAL FACILITY: BASIC TERMINAL USER'S GUIDE PROGRAM NUMBER 5734-RC4
39	**SC28-6841-1			IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) INTERACTIVE TERMINAL FACILITY INSTALLATION REFERENCE MANUAL PROGRAM NUMBERS 5734-RC2, 5734-RC4
25	SC28-6842-1	SN28-0601		IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) CODE AND GO FORTRAN PROCESSOR-TERMINAL USER'S GUIDE PROGRAM NUMBERS 5734-FO1, 5734-LM1
25	GC28-6844-1#			IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV LIBRARY MOD 1 DESIGN OBJECTIVES - PROGRAM NUMBER 5734-LM1
25	GC28-6847-0			IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV LIBRARY (MOD II) PROGRAM NUMBER 5734-LM3
25	**GC28-6850-2			SYSTEM/360 OPERATING SYSTEM FORTRAN IV LIBRARY MOD 1 PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-LM1
25	SC28-6851-0			IBM SYSTEM/360 DISK OPERATING SYSTEM - FORTRAN IV LIBRARY ASCII SUPPORT: PROGRAMMER'S GUIDE SUPPLEMENT PROGRAM NUMBER 5736-LM1
25	**SC28-6852-1			IBM SYSTEM/360 OPERATING SYSTEM: FORTRAN IV (H EXTENDED) COMPILER, PROGRAMMER'S GUIDE - PROGRAM NUMBER 5734-FO3 5734-LM3
25	**SC28-6853-1			IBM OS CODE AND GO FORTRAN AND FORTRAN IV (G1) PROGRAMMER'S GUIDE, PROG. NOS. 5734-FO1, 2, -LM1
25	**GC28-6854-2			OS FORTRAN IV (G1) PROCESSOR - PPS - PROG. NO. 5734-FO2
25	SC28-6855-1	SN28-0600		IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) TERMINAL USER'S SUPPLEMENT FOR FORTRAN IV (G1) PROCESSOR AND TSO FORTRAN - PROGRAM PRODUCT MANUAL PROGRAM NUMBERS 5734-FO2, 5734-CP3, 5734-LM1
25	**SC28-6856-1			FORTRAN IV (G1) PROCESSOR AND TSO FORTRAN PROMPTER FOR OS AND VM/370 (CMS): INSTALLATION REFERENCE MATERIAL, PROG. NOS. 5734-FO2, 5734-CP3
25	GC28-6857-1			IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION FORTRAN PROMPTER - PROGRAM PRODUCT SPECIFICATION
25	SC28-6858-0	**SN28-0607		IBM SYSTEM/360 FORTRAN IV LIBRARY (MODEL I) INSTALLATION REFERENCE MATERIAL, PROGRAM NUMBER 5734-LM1
25	**SC28-6859-1			IBM SYSTEM/360 OPERATING SYSTEM CODE AND GO FORTRAN PROCESSOR INSTALLATION REFERENCE MATERIAL PROGRAM NUMBER 5734-FO1
25	**SC28-6861-1			IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (H EXTENDED) COMPILER AND LIBRARY (MOD II) IRM MODULE II INSTALLATION REFERENCE MATERIAL - PROGRAM NUMBERS 5734-FO3, 5734-LM3
25	**GC28-6862-2			IBM SYSTEM/360 OPERATING SYSTEM: FORTRAN IV (H EXTENDED) COMPILER PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5734-FO3
25	**GC28-6863-2			OS FORTRAN IV LIBRARY (MOD II) - PPS - PROG. NO. 5734-LM3
25	SC28-6864-0			IBM SYSTEM/360 OS: FORTRAN IV MATH AND SVC SUBPROGRAM SUPPLEMENT FOR MODE I and MODEL II LIBRARIES PROGRAM NUMBERS 5734-LM1, 5734-LM3
25	GC28-6865-0			IBM SYSTEM/360 OS: FORTRAN IV (H EXTENDED) COMPILER AND LIBRARY (MODEL II), MESSAGES - SYSTEM REFERENCE LIBRARY MANUAL, PROGRAM NUMBERS 5734-FO3, 5734-LM3
25	SC28-6868-0			IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (H EXTENDED) PLUS COMPILER & LIBRARY USER SUPPLEMENT - PROGRAM NUMBER 5799-AAW
25	GC28-6872-0			SYSTEM/360 DISK OPERATING SYSTEM FORTRAN IV LIBRARY, OPTION 1 - PROGRAM PRODUCT DESIGN OBJECTIVE PROGRAM NUMBER 5746-LM3
38	**GC28-6878-0	**GN24-5466		OS/VS1 RES SYSTEM PROGRAMMER'S GUIDE
38	**GC28-6879-0	**GN24-5467		OS/VS1 RES WORKSTATION USER'S GUIDE
25	GC28-6881-1			FORTRAN INTERACTIVE DEBUG FOR OS(TSO) AND VM/370(CMS) PROGRAM PRODUCT DESIGN OBJECTIVES, PROG. NO. 5734-FO5
25	GC28-6882-0			DISK OPERATING SYSTEM FORTRAN IV LIBRARY OPTION 1 - PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5746-LM3
25	SC28-6883-0			DOS FORTRAN IV LIBRARY OPTION/PROGRAMMERS'S GUIDE SUPPLEMENT - PROGRAM PRODUCT 5746-LM3
24	**GC28-6884-0			IBM FORTRAN PROGRAM PRODUCTS FOR OS AND THE CMS COMPONENT OF VM/370: GENERAL INFORMATION, PROG. NOS. 5734-FO1,2,3,5 -LM1,3,-CP3

25	**SC28-6885-1			FORTRAN INTERACTIVE DEBUG FOR OS (TSO) TERMINAL USER'S GUIDE - PROGRAM PRODUCT 5734-FO5
25	**SC28-6886-1			FORTRAN INTERACTIVE DEBUG FOR OS (TSO) INSTALLATION REFERENCE MATERIAL PROGRAM NUMBER 5734-FO5
25	**GC28-6888-1			FORTRAN INTERACTIVE DEBUG FOR OS (TSO) PPS PROGRAM NUMBER 5734-FO5
25	**SC28-6891-0	**SN28-0609		IBM VM/370 (CMS) TERMINAL USER'S GUIDE FOR FORTRAN IV PROGRAM NUMBERS 5734-FO1, 5734-FO2, 5734-FO3, 5734-LM1 AND 5734-LM3
25	GC28-8193-0			IBM SYSTEM/360 DISK OPERATING SYSTEM ECRTAN IV LIBRARY ASCII SUPPORT PROGRAM NUMBER 5736-LM1
25	GC28-8194-0			IBM SYSTEM/360 DISK OPERATING SYSTEM FORTRAN IV LIBRARY ASCII SUPPORT
20	**GC28-8200-0			PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-LM1 SYSTEM/370 PROGRAM PRODUCTS: LANGUAGE AND SORT PROCESSORS -OS, DOS, VM/370-CMS (CATALOG)
29	**GC28-8201-4#			IBM SYSTEM/360 OPERATING SYSTEM PL/I (F) LANGUAGE REFERENCE MANUAL
29	GC28-8202-3#			DOS AND TOS PL/I SUBSET REFERENCE MANUAL
30	**GC30-1007-1			OS/MFT AND OS/MVT TCAM COMPONENT LEVEL RELEASE GUIDE PROGRAM NUMBER 360S-CQ-548
30	GC30-2003-4			IBM SYSTEMS REFERENCE LIBRARY MANUAL - IEM SYSTEM/360 OPERATING SYSTEM QUEUED TELECOMMUNICATIONS ACCESS METHOD MESSAGE PROCESSING PROGRAM SERVICES PROGRAM NUMBER 360S-CQ-519
30	GC30-2004-7	**GN27-1420		IBM SYSTEM/360 OPERATING SYSTEM BASIC TELECOMMUNICATIONS ACCESS METHOD PROGRAM NUMBER 360S-CQ-513
30	GC30-2005-3			IBM SYSTEMS REFERENCE LIBRARY IBM SYSTEM/360 OPERATING SYSTEM QUEUED TELECOMMUNICATIONS ACCESS METHOD MESSAGE CONTROL PROGRAM PROGRAM NUMBER 360S-CQ-519
38	GC30-2006-5	**GN28-0602	**GN28-0611	IBM SYSTEM/360 OPERATING SYSTEM REMOTE JOB ENTRY PROGRAM NUMBER 360S-RC-536
38	GC30-2012-1	**GN28-0596		OS/MFT, OS/MVT AND OS/VS1: CRJE CONCEPTS AND FACILITIES PROG. NO. 360S-RC-551 (MFT/MVT), 5741-SC1-0A (VS1)
38	GC30-2014-1	**GN28-0597	**GN28-0612	OS/MFT, OS/MVT AND OS/VS1: CRJE TERMINAL USER'S GUIDE PROG. NO. 360S-RC-551 (MFT/MVT), 5741-SC1-0A (VS1)
38	GC30-2015-0			IBM SYSTEM/360 OPERATING SYSTEM REMOTE JOB ENTRY - PLANNING FOR IBM 2770 RJE SUPPORT
38	GC30-2016-1	**GN28-0598	**GN28-0613	OS/MFT, OS/MVT AND OS/VS1: CRJE SYSTEM PROGRAMMER'S GUIDE PROG. NO. 360S-RC-551 (MFT/MVT), 5741-SC1-0A (VS1)
30	**GC30-2022-2#			OS TCAM CONCEPTS AND FACILITIES, PROG. NO. 360S-CQ-548
30	**GC30-2024-3	GN30-2575		OS/MFT AND OS/MVT TCAM PROGRAMMER'S GUIDE
30	**GC30-2025-1	**GN30-2578		OS TCAM USER'S GUIDE (OS/MFT, /MVT: OS/VS1, /VS2) PROG. NO. 360S-CQ-548; VS COMPONENTS 5741(62)-SC1-21
30	**GC30-2026-2#			IBM SYSTEM/360 OPERATING SYSTEM CONVERSION GUIDE FROM QUEUED TELECOMMUNICATIONS ACCESS METHOD OR BASIC TELECOMMUNICATIONS ACCESS METHOD TO TELECOMMUNICATIONS ACCESS METHOD SYSTEM REFERENCE LIBRARY PROGRAM NUMBER 360S-CQ-548
30	GC30-2026-1#	**GN30-3008		PLANNING FOR TCAM WITH THE IBM 3705 COMMUNICATIONS CONTROLLER PROGRAM NUMBER 360S-CQ-548
30	**GC30-2028-1			OS/VS TCAM PROGRAMMER'S GUIDE, PROG. NO. 5744-AW1
30	**GC30-2034-2			OS/VS1 TCAM LEVEL 2 COMPONENT RELEASE GUIDE
30	**GC30-2035-0			OS/VS TCAM LEVEL 4 COMPONENT RELEASE GUIDE
30	**GC30-2036-0			IBM 3705 COMMUNICATIONS CONTROLLER NETWORK PROGRAM GENERATION AND UTILITIES GUIDE AND REFERENCE MANUAL
30	**GC30-3000-1			IBM 3735 PROGRAMMER'S GUIDE (OS, DOS, AND VS SYSTEMS) IBM 3705 COMMUNICATIONS CONTROLLED EMULATION PROGRAM GENERATION AND UTILITIES, GUIDE AND REFERENCE MANUAL PROGRAM NUMBERS 360H-TX-033, 035, 036; 5735-SC1; 5744-AN1
30	**GC30-3001-3#			IBM 3705 COMMUNICATIONS CONTROLLER ASSEMBLER LANGUAGE MANUAL - PROGRAM NUMBERS 360H-TX-035 (OS), 360H-TX-036 (DOS)
35	**GC30-3002-2			IBM 3704 AND 3705 COMMUNICATIONS CONTROLLERS PRINCIPLES OF OPERATION
21	**GC30-3003-0	GN30-3002	**GN30-3009	IBM 3705 COMMUNICATIONS CONTROLLER EMULATION PROGRAM STORAGE AND PERFORMANCE REFERENCE MANUAL
09	GC30-3004-0	**GN30-3010		IBM 3705 COMMUNICATIONS CONTROLLER NETWORK CONTROL PROGRAM STORAGE AND PERFORMANCE ESTIMATES - PROG. NO. 360H-TX-034
35	**GC30-3005-2			IBM SYSTEM/360 DISK OPERATING SYSTEM BASIC TELECOMMUNICATIONS ACCESS METHOD PROGRAM NUMBER 360N-CQ-469
30	GC30-3006-0			DOS QTAM MESSAGE PROCESSING SERVICES, PROG. NO. 360N-CQ-470
30	**GC30-5001-10			IBM SYSTEM/360 DISK OPERATING SYSTEM IBM SYSTEM/360 DISK OPERATING SYSTEM QTAM MESSAGE CONTROL PROGRAM NUMBER 360N-CQ-470
30	GC30-5003-4			OS PL/I OPTIMIZING CCMPILER: GENERAL INFORMATION MANUAL PROGRAM NUMBER 5734-PL1
30	GC30-5004-3			OS PL/I CHECKOUT COMPILER: GENERAL INFORMATION PROGRAM NUMBERS 5734-PL2, 5734-LM4
29	GC33-0001-1	GN33-6024 GN33-6044 GN33-6069 GN33-6048	GN33-6034 GN33-6057 **GN33-6085 GN33-6063	DOS PL/I OPTIMIZING COMPILER: GENERAL INFORMATION MANUAL - PROG. PROD. 5736-PL1
29	GC33-0003-1			DOS PL/I OPTIMIZING COMPILER: LANGUAGE REFERENCE MANUAL PROGRAM NOS. 5736-PL1, AND 5736-PL3
29	**GC33-0004-3			OS PL/I OPTIMIZING COMPILER - PROGRAMMER'S GUIDE PROGRAM NUMBERS 5734-PL1, 5734-LM4, 5734-LM5
29	SC33-0005-2#	**SN33-6076		SYSTEM/360 OPERATING SYSTEM PL/I CHECKOUT COMPILER PROGRAMMER'S GUIDE - PROGRAM NUMBERS 5734-PL2, 5734-LM5
29	**SC33-0006-1#	**SN33-6081		DOS PL/I OPTIMIZING COMPILER: PROGRAMMER'S GUIDE PROG. PROD. 5736-PL1
29	**SC33-0007-0	SN33-6046 SN33-6070	SN33-6056 **SN33-6083	OS PL/I OPTIMIZING AND CHECKOUT COMPILER LANGUAGE REFERENCE MANUAL PROGRAM NUMBERS 5734-PL1, 5734-PL2, 5734-PL3
29	**SC33-0008-1	**SN33-6075		
29	**SC33-0009-2#	**SN33-6082		

29	GC33-0010-1			DOS PL/I OPTIMIZING COMPILER PROGRAM PRODUCT DESIGN OBJECTIVES - PROGRAM NUMBER 5736-PL1
29	GC33-0013-1			IBM SYSTEM/360 OPERATING SYSTEM PL/I OPTIMIZING COMPILER DESIGN OBJECTIVES - PROGRAM NUMBER 5734-PL1
29	**GC33-0016-3			DOS PL/I OPTIMIZING COMPILER PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5736-PL1
29	**GC33-0017-3			DOS PL/I RESIDENT LIBRARY PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5736-LM4
29	**GC33-0018-3			DOS PL/I TRANSIENT LIBRARY PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5736-LM5
29	SC33-0019-0	SN33-6029 **SN33-6078	**SN33-6050	DISK OPERATING SYSTEM/360 PL/I OPTIMIZING COMPILER: EXECUTION LOGIC PROGRAM NUMBERS 5736-PL1, 5736-LM4, 5736-LM5
29	**SC33-0020-2			DOS PL/I OPTIMIZING COMPILER: INSTALLATION PROGRAM NOS. 5736-PL1, LM4, LM5 NOTE: THESE PRODUCTS ARE ALSO DISTRIBUTED AS COMPOSITE PACKAGE 5736-PL3
29	**SC33-0021-1	**SN33-6077		DOS PL/I OPTIMIZING COMPILER: MESSAGES MANUAL, PROG. PROD. 5736-PL1, 5736-LM5
29	**GC33-0022-3			SYSTEM/360 OS PL/I OPTIMIZING COMPILER PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-PL1
29	**GC33-0023-3			OS PL/I RESIDENT LIBRARY - PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5734-LM4
29	**GC33-0024-3			OS PL/I TRANSIENT LIBRARY - PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5734-LM5
29	**SC33-0025-1#			OS PL/I OPTIMIZING COMPILER: EXECUTION LOGIC PROGRAM NOS. 5734-PL1, 5734-LM4 AND 5734-LM5
29	**SC33-0026-2#	**SN33-6086		SYSTEM/360 OPERATING SYSTEM PL/I OPTIMIZING COMPILER: SYSTEM INFORMATION - PROGRAM NUMBERS 5734-PL1, 5734-LM4, 5734-LM5
29	**SC33-0027-1			OPERATING SYSTEM PL/I OPTIMIZING COMPILER: MESSAGES PROG. NOS. 5734-PL1, 5734-LM5
29	SC33-0029-1			OS TIME SHARING OPTION: PL/I OPTIMIZING COMPILER, PROG. NOS. 5734-PL1, -LM4, AND -LM5 OR (COMPOSITE PACKAGE) 5734-PL3
29	**GC33-0030-1			OS PL/I CHECKOUT COMPILER - PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5734-PL2
29	**SC33-0031-1			OS PL/I CHECKOUT COMPILER: INSTALLATION - PROGRAM PRODUCTS 5734-PL2 AND 5734-LM5
29	SC33-0032-0			SYSTEM/360 OPERATING SYSTEM PL/I CHECKOUT COMPILER EXECUTION LOGIC MANUAL - PROGRAM NUMBERS 5734-PL2 5734-LM5
29	**SC33-0033-1			OS TIME SHARING OPTION: PL/I CHECKOUT COMPILER
29	SC33-0034-0	SN33-6054	**SN33-6071	SYSTEM/360 OPERATING SYSTEM PL/I CHECKOUT COMPILER: MESSAGES MANUAL - PROGRAM NUMBERS 5734-PL2, 5734-LM5
29	**SC33-0035-0			DOS PL/I TRANSIENT LIBRARY: MESSAGES SYSTEM LIBRARY MANUAL PROGRAM NUMBER 5736-LM5
29	**GC33-0036-0			PL/I UNDER CMS - PROGRAM PRODUCT DESIGN OBJECTIVES: PL/I OPTIMIZING COMPILER, PROG. NO. 5734-PL1 PL/I RESIDENT LIBRARY, PROG. NO. 5734-LM4 PL/I TRANSIENT LIBRARY, PROG. NO. 5734-LM5
29	**SC33-0037-0			OS PL/I OPTIMIZING COMPILER: CMS USERS GUIDE - PROGRAM NUMBER 5734-PL1
26	GC33-2000-2#			IBM SYSTEM/360 CONVERSION AIDS: ALGOL-TO-PL/I LANGUAGE CONVERSION PROGRAM FOR IBM SYSTEM/360 OPERATING SYSTEM, PROGRAM NUMBER 360C-CV-711
25	**GC33-2002-2#			IBM SYSTEM/360 CONVERSION AIDS: FORTRAN IV-TO-PL/I LANGUAGE CONVERSION PROGRAM FOR IBM SYSTEM/360 OPERATING SYSTEM - SRL MANUAL - PROGRAM NUMBER 360C-CV-710
35	GC33-2003-0			IBM SYSTEM/360 CONVERSION AIDS: THE 1410/7010 SIMULATOR FOR IBM SYSTEM/360, PROGRAM NUMBER 360C-SI-754
35	**GC33-2004-3			1401/1440/1460/DOS EMULATOR ON MODELS 135/145/155 REFERENCE MANUAL - PROGRAM NUMBER 370N-EU-490
35	GC33-2005-2#			1410/7010 DOS EMULATOR ON MODELS 145/155 REFERENCE MANUAL PROGRAM NUMBER 370N-EU-490
35	**GC33-2006-3			MODEL 20 DOS EMULATOR ON SYSTEM/360 REFERENCE MANUAL
01	**GC33-2007-0			SYSTEM/360 MODEL 20 TO SYSTEM/370 MODEL 125 TRANSITION GUIDE
35	**GC33-2008-2			1401/1440/1460 OS EMULATOR ON SYSTEM/370 REFERENCE - PROGRAM NO. 360C-EU-735 (MFT/MVT); 5744-AH1 (VS)
35	**GC33-2009-2	GN33-7040		1410/7010 EMULATOR ON SYSTEM/370 145/155 - REFERENCE, PROG. NOS. 360C-EU-736 AND 5744-AG1
35	**GC33-2010-0			MODEL 20 EMULATOR ON SYSTEM/370 USING DOS AND DOS/V5 PLANNING - PROGRAM NUMBER 370N-IC-002
26	GC33-4000-3	**GN12-5900		IBM SYSTEM/360 OPERATING SYSTEM ALGOL PROGRAMMER'S GUIDE PROGRAM NUMBERS 360S-AL-531, 360S-LM-532
33	**SC33-4004-3			OS SORT/MERGE SYSTEM INFORMATION: SYSTEM GENERATION/INSTALLATION, STORAGE REQUIREMENTS, MESSAGES - PROG. NO. 5734-SM1
33	GC33-4006-2			IBM SYSTEM/360 OPERATING SYSTEM, SORT/MERGE PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-SM1
33	**SC33-4007-3			IBM SYSTEM/360 OPERATING SYSTEM, SORT/MERGE PROGRAMMER'S GUIDE - PROGRAM NUMBER 5734-SM1
21	**GC33-4010-1#			OS/V5 AND DOS/V5 ASSEMBLER LANGUAGE
21	GC33-4014-0			IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER (E) INSTALLATION GUIDE PROGRAM NUMBER 360S-AS-036
33	GC33-4015-0			IBM SYSTEM/370 MODEL 155 SORT/MERGE TIMING ESTIMATES PLANNING GUIDE PROGRAM NUMBER 360S-SM-023
33	GC33-4017-1			IBM SYSTEM/360 DOS SORT MERGE DESIGN OBJECTIVES PROG. NO. 5743-SM1
33	SC33-4018-0			DOS SORT/MERGE PROGRAMMER'S GUIDE - PROGRAM NUMBER 5743-SM1
33	**GC33-4019-1			DOS SORT/MERGE SPECIFICATIONS - PROGRAM NUMBER 5743-SM1
33	GC33-4020-2			IBM SYSTEM/360 DISK OPERATING SYSTEM SORT/MERGE GENERAL INFORMATION, PROGRAM NUMBER 5743-SM1

21	**GC33-4021-1#		OS/VS ASSEMBLER PROGRAMMER'S GUIDE - SYSTEM LIBRARY
33	GC33-4022-0		SYSTEM/360 OPERATING SYSTEM SORT/MERGE GENERAL INFORMATION
			MANUAL - PROGRAM NUMBER 5734-SM1
33	SC33-4023-0		DOS SORT/MERGE INSTALLATION REFERENCE MANUAL
			PROGRAM NUMBER 5743-SM1
33	**GC33-4027-1		DOS/VS SORT/MERGE DESIGN OBJECTIVES - PROGRAM PRODUCT
			5746-SM1
21	**SC33-4029-0	**SN33-8163	OS TSO ASSEMBLER PROMPTER INSTALLATION REFERENCE MANUAL
			PROGRAM NUMBER 5734-CP2
33	**GC33-4030-0		DOS/VS SORT/MERGE GENERAL INFORMATION - PROGRAM NUMBER
			5746-SM1
32	GC33-5000-0		IBM SYSTEM/360 DISK OPERATING SYSTEM ASCII MAGNETIC TAPE
			UTILITIES
			PROGRAM NUMBER 5736-UT2
32	SC33-5001-0		IBM SYSTEM/360 DOS ASCII MAGNETIC TAPE UTILITIES
			PROGRAM GUIDE - PROGRAM NUMBER 5736-UT2
32	GC33-5002-0		SYSTEM/360 DOS ASCII MAGNETIC TAPE UTILITIES PROGRAM
			PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-UT2
30	GC33-5004-0		SYSTEM/360 DOS PLANNING GUIDE FOR PROGRAMMING THE 3330
			DIRECT ACCESS STORAGE FACILITY
20	GC33-5007-0	**GN33-8722	SYSTEM/370 DISK OPERATING SYSTEM VERSION 4 - MANUAL
34	GC33-5008-0	**GN33-8723	DOS VERSION 4 SYSTEM GENERATION
40	**GC33-5009-1#		DOS VERSION 4 MESSAGES - SYSTEMS REFERENCE LIBRARY MANUAL
	GC33-5009-0#	**GN33-8724	PROGRAM NUMBER 360N-CL-453
20	**GC33-5370-1		INTRODUCTION TO DOS/VS - MANUAL
34	GC33-5371-0		DOS/VS SYSTEM MANAGEMENT GUIDE
30	GC33-5372-0	**GN33-8752	DOS/VS DATA MANAGEMENT GUIDE
36	GC33-5373-0		DOS/VS SUPERVISOR AND I/C MACRCS SRL MANUAL
01	**GC33-5386-0		SYSTEM/360 MODEL 20 TO SYSTEM/370 MODEL 115 TRANSITION GUIDE
			DOS/VS
34	**GC33-5400-0		DOS/VS PROGRAMMING GUIDE FOR IBM 3340 DASD, ROTATIONAL
			POSITION SENSING (RPS) AND BLOCK MULTIPLEX CHANNEL SUPPORT
34	GC33-5401-0		PLANNING GUIDE FOR DCS/VS SYSTEM ENHANCEMENTS
34	**GC33-5402-1	**GN33-9139	DOS/VS PLANNING GUIDE FOR PROGRAMMING THE SYSTEM/370
			MODEL 115 AND THE IBM 5203 AND 3203 PRINTERS
34	**GC35-0004-3		OS/VS SYSTEM MANAGEMENT FACILITIES (SMF)
32	GC35-0005-1#		OS/VS UTILITIES
01	**GC38-0005-2		IBM SYSTEM/370 MODEL 135 OPERATING PROCEDURES
01	**GC38-0015-3		IBM SYSTEM/370 MODEL 145 OPERATING PROCEDURES
01	**GC38-0025-0		IBM SYSTEM/370 MODEL 158 OPERATING PROCEDURES
01	**GC38-0030-0		SYSTEM/370 MODEL 168 OPERATING PROCEDURES
40	GC38-0110-2		OPERATOR'S LIBRARY: OS/VS1 REFERENCE
40	**GC38-0120-2		OPERATOR'S LIBRARY: OS/VS CONSOLE CONFIGURATIONS
40	**GC38-0210-0		OPERATOR'S LIBRARY: OS/VS2 REFERENCE
39	**GC38-0220-0		OPERATOR'S LIBRARY: OS/VS2 TSO
30	**GC38-0255-1		OPERATOR'S LIBRARY: OS/VS1 DISPLAY CONSOLES
30	**GC38-0260-0	**GN27-1431	OPERATOR'S LIBRARY: OS/VS2 DISPLAY CONSOLES
30	**GC38-0305-0		OPERATOR'S LIBRARY: OS/VS TCAM - PROGRAM NUMBER 5741-SC1-21
38	**GC38-0330-0	**GN24-5465	OPERATOR'S LIBRARY OS/VS1 RES - PROGRAM NUMBER 5741-SC1-BB
38	**GC38-0335-0		OPERATOR'S LIBRARY: OS/VS1 CRJE
40	**GC38-1001-1		OS/VS MESSAGE LIBRARY: VS1 SYSTEM MESSAGES
40	**GC38-1002-0	**GN28-2557	OS/VS MESSAGE LIBRARY: VS2 SYSTEM MESSAGES
40	**GC38-1003-1		OS/VS MESSAGE LIBRARY: SYSTEM CODES
40	**GC38-1004-2		OS/VS MESSAGE LIBRARY: ROUTING AND DESCRIPTOR CODES
32	**GC38-1005-2		OS/VS MESSAGE LIBRARY: UTILITIES MESSAGES
37	**GC38-1006-2		OS/VS MESSAGE LIBRARY: SERVICE AIDS AND CLTEP MESSAGES
31	**GC38-1007-2#		OS/VS MESSAGE LIBRARY: LINKAGE EDITOR AND LOADER MESSAGES
40	**GC38-1008-0	**GN28-2558	OS/VS MESSAGE LIBRARY: VS2 SYSTEM CODES
39	GC38-1009-0	**GN28-2559	OS/VS MESSAGE LIBRARY: VS2 TSO MESSAGES
30	**GC38-1010-0	**GN24-5462	OS/VS MESSAGE LIBRARY: VS1 RES RTAM AND ACCOUNT MESSAGES
14	GC50-0001-2#		IBM 2701 DATA ADAPTER UNIT AND ASCII AUTCDIN ADAPTER
			(RQ F16124): PRINCIPLES OF OPERATION
76	GE20-0022-1#		PUBLIC UTILITY CUSTOMER ACCOUNTING WITH THE IBM SYSTEM/360
			ONLINE COMMUNICATION SYSTEM
63	GE20-0188-5#		RETAIL IMPACT (INVENTORY MANAGEMENT PROGRAM AND CONTROL
			TECHNIQUES): APPLICATION DESCRIPTION
			PROG. NOS. 360A-DR-04X,05X,08X,09X
67	GE20-0228-1#		OPTIMUM BOND BIDDING - USER'S MANUAL
			PROGRAM NUMBER 360A-FI-06X
67	GE20-0246-1#		SYSTEM/360 DEMAND DEPOSIT ACCOUNTING APPLICATION DESCRIPTION
			PROGRAM NUMBER 360A-FB-15X
73	GE20-0256-2		SYSTEM/360 TEXT PROCESSOR -- COMPOSITION/360,
			APPLICATION DESCRIPTION
			PROGRAM NUMBER 360A-DP-08X
73	GE20-0257-2		SYSTEM/360 TEXT PROCESSOR - HYPHENATION/360 APPLICATION
			DESCRIPTION, PROGRAM NUMBER 360A-DP-07X
63	GE20-0306-1		1287 INPUT CONVERSION PROGRAM, APPLICATION DESCRIPTION
			PROGRAM NUMBER 360A-DR-07X
85	**GE20-0312-2#		PREFACE TO PL/I PROGRAMMING IN SCIENTIFIC COMPUTING
73	GE20-0324-1		SYSTEM/360 TEXT PROCESSOR -- EDIT/360, APPLICATION
			DESCRIPTION MANUAL PROGRAM NUMBER 5736-K11
82	GE20-0350-0		A PREFACE TO LINEAR PROGRAMMING AND ITS APPLICATIONS
85	**GF20-0012-0		PREPARING BRAILLE USING SYSTEM/360
85	**GF20-0015-2#		INTRODUCTION TO THE LIST PROCESSING FACILITIES OF PL/I
85	**GF20-0019-0		TECHNIQUES FOR PROCESSING POINTER LISTS AND LISTS OF
			LISTS IN PL/I
85	**GF20-0020-0		TECHNIQUES FOR PROCESSING RELOCATABLE LISTS IN PL/I
85	**GF20-0385-0		AN INTRODUCTION TO MICROPROGRAMMING
00	**GF20-8172-8		BIBLIOGRAPHY OF DATA PROCESSING TECHNIQUES
82	**GB12-5102-0		SYSTEM/360 AND SYSTEM/370 MATRIX SYSTEM (MATSYS) (OS AND
			TSO) GENERAL INFORMATION MANUAL - PROGRAM PRODUCT 5734-XM7
82	GB12-5103-0		IBM SYSTEM/360 AND SYSTEM/370, IBM 1130 AND 1800 SUBROUTINE
			LIBRARY-MATHEMATICS (SL-MATH) GENERAL INFORMATION MANUAL
			PROG. NOS. 5736-XM7, 5711-XM2

82	**SH12-5403-0*			MATRIX SYSTEM (MATSYS) (CS AND TSO) - PROGRAM REFERENCE MANUAL - PROGRAM NUMBER 5734-XM7
79	SH12-5407-0	**SN12-5007		IBM SYSTEM/360 AND SYSTEM/370, STORAGE AND INFORMATION RETRIEVAL SYSTEM (STAIRS), PROGRAM PRODUCT REFERENCE MANUAL - PROGRAM NUMBER 5734-XR3
79	SH12-5509-1			IBM SYSTEM/360 AND SYSTEM/370, STORAGE AND INFORMATION RETRIEVAL SYSTEM (STAIRS), OPERATION GUIDE PROGRAM PRODUCT 5734-XR3
81	GH19-0014-1	**GN19-0085		IBM SYSTEM/360 RESOURCE ALLOCATION (REAL/360) FOR PROJECT CONTROL SYSTEM/360 APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-XP2
81	SH19-0026-0			IBM SYSTEM/360 RESOURCE ALLOCATION (REAL/360) FOR PROJECT CONTROL SYSTEM/360 PROGRAM DESCRIPTION AND OPERATIONS MANUAL PROGRAM NUMBER: 5736-XP2
79	**GH19-0044-0*			AUTOFLOW, IBM SYSTEM/360 AND SYSTEM/370, GENERAL INFORMATION MANUAL - PROGRAM PRODUCTS 5734-DC1 (OS) AND 5736-DC1 (DOS)
79	**SH19-0045-0*			AUTOFLOW, IBM SYSTEM/360 AND SYSTEM/370 INSTALLATION GUIDE DOS - PROGRAM PRODUCT 5736-DC1
79	**SH19-0046-0*			AUTOFLOW, IBM SYSTEM/360 AND SYSTEM/370 INSTRUCTOR'S GUIDE PROGRAM PRODUCT - PROGRAM PRODUCTS 5734-DC1 (OS) AND 5736-DC1 (DOS)
79	**SH19-0047-0*			AUTOFLOW, IBM SYSTEM/360 AND SYSTEM/370 OPERATIONS GUIDE PROGRAM PRODUCT - PROGRAM PRODUCTS 5734-DC1 (OS) AND 5736-DC1 (DOS)
79	**SH19-0048-0*			AUTOFLOW IBM SYSTEM/360 AND SYSTEM/370 COBOL SERIES REFERENCE MANUAL PROGRAM PRODUCT - PROGRAM PRODUCTS 5734-DC1 (OS) AND 5736-DC1 (DOS)
79	**SH19-0049-0*			AUTOFLOW IBM SYSTEM/360 AND SYSTEM/370 FORTRAN SERIES REFERENCE MANUAL - PROGRAM PRODUCTS 5734-DC1 (OS) AND 5736-DC1 (DOS)
79	**SH19-0050-0*			AUTOFLOW IBM SYSTEM/360 AND SYSTEM/370 ASSEMBLY SERIES REFERENCE MANUAL - PROGRAM PRODUCTS 5734-DC1 (OS) AND 5736-DC1 (DOS)
79	**SH19-0051-0*			AUTOFLOW IBM SYSTEM/360 AND SYSTEM/370 PL/I SERIES REFERENCE MANUAL - PROGRAM PRODUCTS 5734-DC1 (OS) AND 5736-DC1 (DOS)
79	**SH19-0052-0*			AUTOFLOW, IBM SYSTEM/360 AND SYSTEM/370 INSTALLATION GUIDE OS - PROGRAM PRODUCTS 5734-DC1
79	**GH19-0057-0*			AUTOFLOW FOR PL/I, COBOL, FORTRAN AND ASSEMBLER PROGRAM SPECIFICATIONS - PROGRAM PRODUCTS 5734-DC1 AND 5736-DC1
79	**GH19-0058-0*			AUTOFLOW COMPUTER DOCUMENTATION SYSTEM PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-DC1
79	**GH19-1008-2*	**GN19-6131		SYSTEM/360 AND SYSTEM/370 DECISION TABLE TRANSLATOR (DECTAT) FOR COBOL AND PL/I 5734-XR2
79	**SH19-1009-2*	**SN19-6132		SYSTEM/360 AND SYSTEM/370 DECISION TABLE TRANSLATOR (DECTAT) FOR COBOL AND PL/I PROGRAM DESCRIPTION MANUAL - PROGRAM PRODUCT 5734-XR2
79	**SH19-1010-1*	**SN19-6133		SYSTEM/360 AND SYSTEM/370 DECISION TABLE TRANSLATOR (DECTAT) FOR COBOL AND PL/I OPERATION MANUAL - PROGRAM NUMBER 5734-XR2
79	**GH19-1028-1*			SYSTEM/360 AND SYSTEM/370 STATISTICAL ANALYSIS OF FILES STAF/OS - GENERAL INFORMATION MANUAL - PROGRAM PRODUCT 5734-XA2
79	**SH19-1030-1*			STAF/OS PROGRAM REFERENCE MANUAL PROGRAM NUMBER 5734-XA2
79	**SH19-1031-0*	**SN19-6094		IBM SYSTEM/360 AND SYSTEM/370 STATISTICAL ANALYSIS OF FILES (STAF/OS) OPERATIONS GUIDE - PROGRAM PRODUCT 5734-XA2
67	**GH19-1038-0	**GN19-6097		SYSTEM/360 AND SYSTEM/370 BUDGETS AND PLANS GENERATOR BUDPLAN GENERAL INFORMATION MANUAL PROGRAM PRODUCT 5734-F51
67	**SH19-1040-1			S/360 AND S/370 BUDGETS AND PLANS GENERATOR (BUDPLAN) PROGRAM REFERENCE MANUAL - PROGRAM PRODUCT 5734-F51
67	**SH19-1041-0	**SN19-6099		SYSTEM/360 AND SYSTEM/370 BUDGETS AND PLANS GENERATOR BUDPLAN OPERATIONS GUIDE - PROGRAM PRODUCT 5734-F51
67	**GH19-1042-1*			BUDGETS AND PLANS GENERATOR (BUDPLAN) SPECIFICATIONS S/360/370 OS AND OS/VIS - PROGRAM PRODUCT 5734-F51
78	GH19-2000-0			IBM VEHICLE SCHEDULING PROGRAM--EXTENDED GENERAL INFORMATION MANUAL PROGRAM NUMBERS 5734-XM5 (OS), 5736-XM3 (DOS)
78	SH19-2304-0	SN12-5000		IBM VEHICLE SCHEDULING PROGRAM--EXTENDED (OS AND DOS) PROGRAM DESCRIPTION MANUAL PROGRAM NUMBERS 5734-XM5 (OS), 5736-XM3 (DOS)
78	SH19-2607-0	SN12-5001		IBM VEHICLE SCHEDULING PROGRAM - EXTENDED (OS) OPERATIONS MANUAL, PROGRAM NUMBER 5734-XM5
78	SH19-2608-0			IBM VEHICLE SCHEDULING PROGRAM - EXTENDED (DOS) OPERATIONS MANUAL, PROGRAM NUMBER 5736-XM3
78	GH19-2903-0			IBM VEHICLE SCHEDULING PROGRAM - EXTENDED (DOS) SPECIFICATIONS - PROGRAM NUMBER 5736-XM3
81	**GH19-4000-0	**GN19-6123	**GN19-6116	FORECASTING AND MODELING SYSTEM (FAMS) GENERAL INFORMATION MANUAL - PROGRAM PRODUCTS 5736-XS4 (DOS VERSION), 5734-XS7 (OS VERSION)
		**GN19-6120	**GN19-6103	
81	**SH19-4001-0	**SN19-6119	**SN19-6124	FORECASTING AND MODELING SYSTEM (FAMS) PROGRAM REFERENCE MANUAL - PROGRAM PRODUCTS 5736-XS4 (DOS VERSION), 5734-XS7 (OS VERSION)
		**SN19-6115		
81	**SH19-4002-1	**SN19-6125		FORECASTING AND MODELING SYSTEM (FAMS) OPERATIONS GUIDE
82	GH19-5012-1#			MATRIX GENERATOR AND REPORT WRITER GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5734-XMC
83	**GH19-5035-0			SIMPL/I (SIMULATION LANGUAGE BASED ON PL/I) - PROGRAM PRODUCT GENERAL INFORMATION MANUAL - PROGRAM NO. 5734-XXE
83	**SH19-5038-0*	**SN19-5076		SIMPL/I (SIMULATION LANGUAGE BASED ON PL/I) OPERATIONS GUIDE PROGRAM PRODUCT 5734-XXB
83	**GH19-5039-0			SIMPL/I (SIMULATION LANGUAGE BASED ON PL/I) - PROGRAM PRODUCT SPECIFICATIONS - PROGRAM PRODUCT 5734-XXB

82	**GH19-5041-0			IBM S/360 AND S/370 MATRIX GENERATOR AND REPORT WRITER (MGRW) PPS - PROGRAM NUMBER 5734-XMC
82	GH19-5042-1#			MATRIX GENERATOR AND REPORT WRITER (MGRW) PRIMER PROGRAM PRODUCT 5734-XMC
83	**SH19-5060-0	**SN19-5077		SIMPL/I (SIMULATION LANGUAGE BASED ON PL/I) PROGRAM REFERENCE MANUAL - PROGRAM PRODUCT 5734-XXB
83	**GH19-7000-1	**GN19-0117	**GN19-0151	CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) AND GRAPHIC FEATURE (CSMP III GRAPHIC FEATURE) GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5734-XS9
83	**SH19-7001-2			CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) PROGRAM REFERENCE MANUAL - PROGRAM NUMBER 5734-XS9
83	**SH19-7002-1			CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) OPERATIONS GUIDE - PROGRAM NUMBER 5734-XS9
83	**SH19-7003-1			CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) GRAPHIC FEATURE - PROGRAM REFERENCE MANUAL - PROGRAM NUMBER 5734-XS9
83	**SH19-7004-1			CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) GRAPHIC FEATURE OPERATIONS GUIDE - PROGRAM NUMBER 5734-XS9
83	GH19-7010-0			GRAPHIC FEATURE FOR THE CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) - PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5734-XS9
71	GH20-0126-4	GN20-2100	GN20-2176	ADVANCED LIFE INFORMATION SYSTEM (DOS): APPLICATION DESCRIPTION MANUAL, PROG. NOS. 360A-IL-09X, 5736-N11
82	GH20-0136-4#	GN20-2516		MATHEMATICAL PROGRAMMING SYSTEM/360 APPLICATION DESCRIPTION, PROG. NOS. 360A-CO-14X (MPS/360), -15X (MARVEL), AND -20X (MPSRG)
67	GH20-0149-3			SYSTEM/360 ONLINE TELLER PROGRAM WITH BACKGROUND PROCESSING CAPABILITY (360A-FB-16X) APPLICATION DESCRIPTION
76	GH20-0165-1			COMMUNICATION CONTROL APPLICATION PROGRAM (360A-SC-01X) APPLICATION DESCRIPTION
82	GH20-0166-5			SYSTEM/360 SCIENTIFIC SUBROUTINE PACKAGE (360A-CM-03X) VERSION III APPLICATION DESCRIPTION
63	GH20-0173-3			SYSTEM/360 WHOLESALE IMPACT PROGRAM LIBRARY (360A-DW-05X) - APPLICATION DESCRIPTION
72	GH20-0181-2			SYSTEM/360 APT NUMERICAL CONTROL PROCESSOR VERSIONS 3 AND 4 (360-CN-10X) APPLICATION DESCRIPTION
83	GH20-0186-3#			GENERAL PURPOSE SIMULATION SYSTEM/360 - APPLICATION DESCRIPTION
32	GH20-0194-1			PROGRAM NUMBERS 360A-CS-17X, 360A-CS-19X
72	GH20-0197-3#			SYSTEM/360 DATA CONVERSION UTILITIES - APPLICATION DESCRIPTION PROGRAM NUMBERS, 360A-SE-15X, 360A-SE-20X, 360A-SE-26X
79	GH20-0199-2#			S/360 BILL OF MATERIAL PROCESSOR (360A-ME-06X) APPLICATION DESCRIPTION
64	GH20-0202-1			FLOWCHART - APPLICATION DESCRIPTION
82	GH20-0205-4#			PROGRAM NUMBERS 360A-SE-22X
81	GH20-0210-1			STUDENT SCHEDULING SYSTEM/360 APPLICATION DESCRIPTION PROGRAM NUMBERS 360A-US-06X, 360A-US-07X
24	GH20-0217-0			SYSTEM/360 SCIENTIFIC SUBROUTINE PACKAGE (360A-CM-03X) VERSION III PROGRAMMER'S MANUAL
64	GH20-0220-0			PROJECT MANAGEMENT SYSTEM (360A-CP-04X) VERSION 2 FOR IBM SYSTEM/360 - APPLICATION DESCRIPTION
81	GH20-0222-2			SYSTEM/360 COBOL EDIT ON THE 1401 PROGRAM REFERENCE MANUAL (1401-SE-13X)
32	GH20-0232-1			STUDENT SCHEDULING SYSTEM/360 THE TALLY AND CONFLICT MATRIX PROGRAMS (360A-US-06X) USER'S MANUAL
32	GH20-0233-1			SYSTEM/360 PROJECT CONTROL SYSTEM (360A-CP-06X) VERSION 2 APPLICATION DESCRIPTION
64	GH20-0239-1			SYSTEM/360 DATA CONVERSION UTILITY I PROGRAMMER'S MANUAL (360A-SE-15X)
83	GH20-0240-3			SYSTEM/360 DATA CONVERSION UTILITY I OPERATOR'S MANUAL (360A-SE-15X)
30	GH20-0242-1			STUDENT SCHEDULING SYSTEM/360 THE SCHEDULER PROGRAM (360A-US-07X) USER'S MANUAL
30	GH20-0243-1			SYSTEM/360 CONTINUOUS SYSTEM MODELING PROGRAM (360A-CX-16X) APPLICATION DESCRIPTION
76	GH20-0244-1			SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR OS/360 APPLICATION DESCRIPTION
76	GH20-0245-0			PROGRAM NUMBER 360A-SE-33X
72	GH20-0246-2	GN20-2011	GN20-1870	SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR DOS/360 APPLICATION DESCRIPTION
72	GH20-0254-2#	GN20-2213		COMMUNICATIONS CONTRCL APPLICATION PROGRAM (360A-SC-01X) PROGRAMMER'S MANUAL
63	GH20-0255-2	GN20-2201	GN20-2262	COMMUNICATIONS CONTRCL APPLICATION PROGRAM (360A-SC-01X) (CCAP) OPERATOR'S MANUAL
63	GH20-0256-3#			S/360 BILL OF MATERIAL PROCESSOR (360-ME-06X) VERSION 2 PROGRAMMER'S MANUAL
67	GH20-0262-0			S/360 BILL OF MATERIAL PROCESSOR (360A-ME-06X) VERSION 2 OPERATOR'S MANUAL
67	GH20-0263-2			SYSTEM/360 WHOLESALE IMPACT PROGRAM LIBRARY (360A-DW-05X) - USER'S MANUAL
71	GH20-0283-4	**GN20-2900		SYSTEM/360 WHOLESALE IMPACT PROGRAM LIBRARY (360A-DW-05X) - OPERATOR'S MANUAL
32	GH20-0285-0	GN20-1006		SYSTEM/360 DEMAND DEPOSIT ACCOUNTING (360A-FB-15X) - --OPERATOR'S MANUAL
32	GH20-0286-0			SYSTEM/360 DEMAND DEPOSIT ACCOUNTING (360A-FB-15X) PROGRAMMER'S MANUAL
				PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS): APPLICATION DESCRIPTION, PROG. NOS. 5736-N21/22/24/25 AND 360A-IF-10X/11X/13X
				SYSTEM/360 DATA CONVERSION UTILITY III, VERSION 2 PROGRAMMER'S MANUAL (360A-SE-26X)
				SYSTEM/360 DATA CONVERSION UTILITY III, VERSION 2 OPERATOR'S MANUAL PROGRAM NUMBER 360A-SE-26X

82	GH20-0290-3	GN20-1999	GN20-1078	MATHEMATICAL PROGRAMMING SYSTEM/360 (360A-CO-14X) VERSION 2 CONTROL LANGUAGE USER'S MANUAL
79	GH20-0293-2			SYSTEM/360 FLOWCHART USER'S MANUAL (360A-SE-22X)
79	GH20-0294-1	GN20-1943		SYSTEM/360 FLOWCHART OPERATOR'S MANUAL PROGRAM NUMBER 360A-SE-22X
79	GH20-0297-3			SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM-OS (ATS/OS) (360A-CX-19X) APPLICATION DESCRIPTION MANUAL
74	GH20-0302-3			SHARED HOSPITAL ACCOUNTING SYSTEM (SHAS) VERSION 2 APPLICATION DESCRIPTION, PROG. NO. 360A-UH-11X
83	GH20-0304-4	GN20-2419		GENERAL PURPOSE SIMULATION SYSTEM/360 INTRODUCTORY USER'S MANUAL PROGRAM NUMBERS 360A-CS-17X, 360A-CS-19X
67	GH20-0305-1	GN20-2205		SYSTEM/360 ON LINE TELLER PROGRAM WITH BACKGROUND PROCESSING CAPABILITY (PROGRAM NUMBER 360A-FB-16X) PROGRAMMER'S MANUAL
72	GH20-0309-5#			SYSTEM/360 APT NUMERICAL CONTROL PROCESSOR VERSION 4 PART PROGRAMMING MANUAL PROGRAM NUMBER 360A-CN-10X
83	GH20-0311-3	GN20-2420		GENERAL PURPOSE SIMULATION (360A-CS-17X) SYSTEM/360-OS - OPERATOR'S MANUAL
32	GH20-0314-1	GN20-1091		SYSTEM/360 DATA CONVERSION UTILITY II, VERSION 3 (DIRECT ACCESS INDEXED SEQUENTIAL) - OPERATOR'S MANUAL (360A-SE-20X)
79	GH20-0315-0			IBM SYSTEM/360 DOCUMENT PROCESSING SYSTEM (360A-CX-12X) APPLICATION DESCRIPTION
81	GH20-0318-7			CUSTOMER INFORMATION CONTROL SYSTEM (CICS) OS-STANDARD V1 WITH LANGUAGE/TERMINAL (L/T) FEATURE: APPLICATION DESCRIP- TION, PROG. NO. 5736-U11
30	GH20-0319-2#			SYSTEM/360 DATA CONVERSION AND LABEL PROCESSING SUBROUTINES, VERSION 2 PROGRAM REFERENCE MANUAL (360A-SE-23X)
36	GH20-0321-8			IBM SYSTEM/360 AND SYSTEM/370 ATTACHED SUPPORT PROCESSOR SYSTEM (ASP) VERSION 2 CONSOLE OPERATOR'S MANUAL PROGRAM NUMBER 360A-CX-15X
36	GH20-0322-7			IBM SYSTEM/360 AND SYSTEM/370 ATTACHED SUPPORT PROCESSOR SYSTEM (ASP) VERSION 2, APPLICATION PROGRAMMER'S MANUAL PROGRAM NUMBER 360A-CX-15X
36	GH20-0323-8			IBM SYSTEM/360 AND SYSTEM/370 ATTACHED SUPPORT PROCESSOR SYSTEM (ASP) VERSION 2, SYSTEM PROGRAMMER'S MANUAL PROGRAM NUMBER 360A-CX-15X
67	GH20-0325-1	GN20-2204		SYSTEM/360 ONLINE TELLER PROGRAM WITH BACKGROUND PROCESSING CAPABILITY (PROGRAM NUMBER 360A-FB-16X) OPERATOR'S MANUAL
83	GH20-0326-4	GN20-2470		GENERAL PURPOSE SIMULATION SYSTEM/360 USER'S MANUAL
83	GH20-0327-3			GENERAL PURPOSE SIMULATION SYSTEM/360, DISK OPERATING SYSTEM (360A-CS-19X) OPERATOR'S MANUAL
72	GH20-0329-2#			SYSTEM/360 PRODUCT STRUCTURE RETRIEVAL PROGRAM APPLICATION DESCRIPTION PROGRAM NUMBERS 360A-ME-07X
72	GH20-0331-6			SYSTEM/360 APT NUMERICAL CONTROL PROCESSOR (360A-CN-10X) VERSION 4 OPERATIONS MANUAL
81	GH20-0344-2			PROJECT MANAGEMENT SYSTEM/360 (360A-CP-04X) VERSION 2 PROGRAM DESCRIPTION AND OPERATIONS MANUAL
30	GH20-0346-0	GN20-1903		SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR DOS/360 USER'S MANUAL (360A-SE-32X)
30	GH20-0347-1#			SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR DOS/360 OPERATOR'S MANUAL (360A-SE-32X)
30	GH20-0349-1#			SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR OS/360 USER'S MANUAL (360A-SE-33X)
30	GH20-0350-1			SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR OS/360 OPERATOR'S MANUAL (360A-SE-33X)
79	GH20-0352-2			1400 AUTOCODER TO COBOL CONVERSION AID PROGRAM - APPLICATION DESCRIPTION (360A-SE-19X)
38	GH20-0354-2	GN20-2365		SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM (RAX) (360A-CX-17X) VERSION 4 PRGCRAM DESCRIPTION MANUAL
38	GH20-0355-1	GN20-1939		SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM (RAX) (360A-CX-17X) VERSION 3 OPERATIONS MANUAL
83	GH20-0367-4			SYSTEM/360 CONTINUOUS SYSTEM MODELING PROGRAM (360A-CX-16X) USER'S MANUAL
83	GH20-0368-3			SYSTEM/360 CONTINUOUS SYSTEM MODELING PROGRAM (360A-CX-16X) OPERATIONS MANUAL
72	GH20-0369-0			SYSTEM/360 PRODUCT STRUCTURE RETRIEVAL PROGRAM (360A-ME-07X) PROGRAMMER'S MANUAL
72	GH20-0370-0			SYSTEM/360 PRODUCT STRUCTURE RETRIEVAL PROGRAM (360A-ME-07X) OPERATOR'S MANUAL
82	GH20-0372-3			MATHEMATICAL PROGRAMMING SYSTEM/360 (360A-CO-14X) VERSION 2 READ COMMUNICATIONS FORMAT (READCOMM) PROGRAM REFERENCE MANUAL
72	GH20-0373-2			S/360 AUTOSPOT NUMERICAL CENTRCL PROCESSOR VERSION 2: "PART" PROGRAMMING MANUAL - PROG. NO. 360A-CN-08X
72	GH20-0374-2			S/360 AUTOSPOT (360A-CN-08X) AND AD-APT/AUTCSPT (360A-CN-09X) NUMERICAL CONTROL PROCESSORS-VERSION 2 OPERATOR'S MANUAL
72	GH20-0375-2#			SYSTEM/360 AD-APT/AUTOSPOT NUMERICAL CONTROL PROCESSOR (360A-CN-09X) VERSION 2 PART PROGRAMMING MANUAL
81	GH20-0376-3#			PROJECT CONTROL SYSTEM/360 (360A-CP-06X) VERSION 2 PROGRAM DESCRIPTION AND OPERATIONS MANUAL
72	GH20-0462-0	GN20-1064		S/360 AUTOSPOT NUMERICAL CONTROL PROCESSOR: APPLICATION DESCRIPTION, PROG. NO. 360A-CN-08X
72	GH20-0463-0	GN20-1065		SYSTEM/360 AD-APT/AUTOSPOT NUMERICAL CONTROL PROCESSOR (360A-CN-09X) APPLICATION DESCRIPTION
78	GH20-0464-1	GN20-1917	GN20-1954	IBM SYSTEM/360 VEHICLE SCHEDULING PROGRAM (360A-ST-06X) APPLICATION DESCRIPTION
72	GH20-0471-2			SYSTEM/360 INVENTORY CONTROL APPLICATION DESCRIPTION
82	GH20-0476-2#	GN20-1077		MATHEMATICAL PROGRAMMING SYSTEM/360 (360A-CO-14X) LINEAR AND SEPARABLE PROGRAMMING - USER'S MANUAL
79	GH20-0477-2#			IBM SYSTEM/360 DOCUMENT PROCESSING SYSTEM (360A-CX-12X) PROGRAM DESCRIPTION AND OPERATIONS MANUAL

82	GH20-0479-1	GN20-2069		SYSTEM/360 MATRIX LANGUAGE (MATLAN) (360A-CM-05X) APPLICATION DESCRIPTION
63	GH20-0480-1#	GN20-2586		IBM RETAIL IMPACT FASHION SYSTEM UNDER OPERATING SYSTEM/360 (360A-DR-04X) - PROGRAM DESCRIPTION MANUAL
63	GH20-0481-1			RETAIL IMPACT FASHION SYSTEM UNDER OPERATING SYSTEM/360 (360A-DR-04X) - OPERATIONS MANUAL
71	GH20-0483-1	GN20-2108	GN20-2177	ADVANCED LIFE INFORMATION SYSTEM (DOS): POLICY MASTER RECORD CODE BOOK, PROG. NOS. 360A-IL-09X, 5736-N11
72	GH20-0487-3	GN20-2517		SYSTEM/360 REQUIREMENTS PLANNING APPLICATION DESCRIPTION PROGRAM NUMBER 360A-MF-05X
65	GH20-0489-1	GN20-2582		PROGRAM FOR OPTICAL SYSTEM DESIGN/II (POSD/II) - APPLICATION DESCRIPTION, PROG. NOS. 1130-EO-14X AND 360A-EO-15X, 16X
31	GH20-0490-1			PROBLEM LANGUAGE ANALYZER (PLAN) APPLICATION DESCRIPTION PROGRAM NUMBERS 1130-CX-25X 360A-CX-26X 360A-CX-27X
25	GH20-0492-1			SYSTEM/360 DECISION LOGIC TRANSLATOR APPLICATION DESCRIPTION PROGRAM NUMBER 360A-CX-32X
82	**GH20-0496-1#			MARVEL/360 (360A-CO-15X) PRIMER
71	GH20-0497-2			PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS) BASIC PROGRAM (360A-IF-10X) PROGRAM DESCRIPTION AND SYSTEM MANUAL
71	GH20-0498-2			PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS) BASIC PROGRAM (360A-IF-10X) OPERATIONS MANUAL
71	GH20-0499-1			PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS) AUTOMOBILE PREMIUM PROCESSING PROGRAM DESCRIPTION AND SYSTEM MANUAL PROGRAM NUMBERS: 360A-IF-11X, 5736-N21
71	GH20-0500-1			PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS) AUTOMOBILE CLAIMS PROCESSING (360A-IF-11X) PROGRAM DESCRIPTION AND SYSTEM MANUAL
71	GH20-0501-0			PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS) PROGRAM DESCRIPTION MANUAL PROGRAM NUMBERS 360A-IF-10X, 360A-IF-11X, 360A-IF-13X, 5736-N21
71	GH20-0503-1	GN20-2174		PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS) OTHER LINES PREMIUM PROCESSING (360A-IF-13X) PROGRAM DESCRIPTION AND SYSTEM MANUAL
71	GH20-0504-1	GN20-2173		PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS) OTHER LINES CLAIMS PROCESSING (360A-IF-13X) PROGRAM DESCRIPTION AND SYSTEM MANUAL
82	GH20-0505-1			MARVEL/360 (360A-CO-15X) PROGRAM DESCRIPTION MANUAL
78	GH20-0506-1#			SYSTEM/360 VEHICLE SCHEDULING PROGRAM (360A-ST-06X) PROGRAM DESCRIPTION AND OPERATIONS MANUAL
60	**GH20-0507-4			APPLICATION BIBLIOGRAPHY FINANCE AND SECURITIES INDUSTRIES
79	GH20-0508-1	GN20-2135		SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM DOS (ATS/DOS) (360A-CX-18X) PROGRAM DESCRIPTION MANUAL
79	GH20-0509-1			SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM DOS (ATS/DOS) (360A-CX-18X) TERMINAL OPERATOR'S MANUAL
79	GH20-0510-2			SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM DOS (ATS/DOS) (360A-CX-18X) APPLICATION DESCRIPTION
79	GH20-0511-1			SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM DOS (ATS/DOS) (360A-CX-18X) COMPUTER CENTER OPERATOR'S MANUAL
82	GH20-0512-1	GN20-1956		MARVEL/360 (360A-CO-15X) OPERATIONS MANUAL
82	GH20-0513-1			LINEAR PROGRAMMING SYSTEM/360 (LPS/360) (360A-CO-18X) APPLICATION DESCRIPTION
71	GH20-0517-2	GN20-2518	GN20-2567	ADVANCED LIFE INFORMATION SYSTEM (DOS) OPERATIONS MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
71	GH20-0518-2	GN20-2519		ADVANCED LIFE INFORMATION SYSTEM (DOS) PROGRAM DESCRIPTION MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
71	GH20-0519-1	GN20-2062	GN20-2179	ADVANCED LIFE INFORMATION SYSTEM (DOS) UTILITY PROGRAM DESCRIPTION MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
80	GH20-0521-2			SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-CX1
60	GH20-0522-3			BIBLIOGRAPHY OF APPLICATION PUBLICATIONS - DISTRIBUTION INDUSTRIES
72	GH20-0523-0			SYSTEM/360 AD-APT/AUTOSPOT (OS) NUMERICAL CONTROL PROCESSOR APPLICATION DESCRIPTION PROGRAM NUMBER 360A-CN-12X
80	GH20-0524-2#			INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360 (SYSTEM DESCRIPTION) APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-CX3
73	GH20-0525-0	GN20-2789		SYSTEM/360 TEXT PROCESSOR - HYPHENATION/360 (360A-DP-07X), PROGRAM DESCRIPTION MANUAL
73	GH20-0526-1			SYSTEM/360 TEXT PROCESSOR - HYPHENATION/360 (360A-DP-07X), OPERATIONS MANUAL
63	GH20-0527-0	GN20-2021		SYSTEM/360 1287 INPUT CONVERSION PROGRAM (360A-DR-07X) PROGRAM DESCRIPTION MANUAL
63	GH20-0528-0	GN20-2022		SYSTEM/360 1287 INPUT CONVERSION PROGRAM (360A-DR-07X) OPERATIONS MANUAL
60	**GH20-0530-4			BIBLIOGRAPHY OF APPLICATION PUBLICATIONS, PUBLIC UTILITY INDUSTRIES
60	GH20-0531-3			BIBLIOGRAPHY OF APPLICATION PUBLICATIONS - MEDIA INDUSTRIES
76	GH20-0532-4	GN20-2814		SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR ELECTRIC UTILITY INDUSTRY WITH POWER FLOW OUTPUT & CAPACITY FEATURE & SHORT CIRCUIT Ro FEATURE: APPLICATION DESCRIPTION, PROGRAM NUMBER 5736-U12
74	GH20-0533-2#	**GN20-3003		SHARED HOSPITAL ACCOUNTING SYSTEM (SHAS) (360A-UH-11X) PROGRAM DESCRIPTION MANUAL
74	GH20-0534-2	**GN20-3002		SHARED HOSPITAL ACCOUNTING SYSTEM (SHAS) (360A-UH-11X) VERSION 2: OPERATIONS MANUAL

30	GB20-0535-2			PLAN GRAPHICS SUPPORT FOR THE IBM 2250 ON SYSTEM/360 (OS) OR IBM 1130 - APPLICATION DESCRIPTION MANUAL, PROG. NOS. 1130-CX-33X AND 360A-CX-34X
60	GB20-0536-3			BIBLIOGRAPHY OF APPLICATION PUBLICATIONS INSURANCE INDUSTRY
30	GB20-0539-1			GRAPHIC ANALYSIS OF THREE-DIMENSIONAL DATA (GATD) APPLICATION DESCRIPTION MANUAL (5734-XX2)
63	GB20-0540-0	GN20-2017	GN20-1909	RETAIL IMPACT FASHION SYSTEM UNDER DISK OPERATING SYSTEM/360 (360A-DR-08X) PROGRAM DESCRIPTION MANUAL
63	GB20-0541-0	GN20-2588 GN20-1910	GN20-2545	RETAIL IMPACT FASHION SYSTEM UNDER DISK OPERATING SYSTEM/360 (360A-DR-08X), OPERATIONS MANUAL
82	GB20-0544-1			SYSTEM/360 SCIENTIFIC SUBROUTINE PACKAGE (PL/I) (360A-CM-07X) APPLICATION DESCRIPTION MANUAL
38	GB20-0545-1			SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM (RAX) (360A-CX-17X) VERSION 4 APPLICATION DESCRIPTION
72	GB20-0549-1			SYSTEM/360 AD-APT/AUTCSPOT (OS) NUMERICAL CONTROL PROCESSOR (360A-CN-12X) PART PROGRAMMING MANUAL
72	GB20-0555-1	GN20-2434		SYSTEM/360 INVENTORY CONTROL (360A-MF-04X) PROGRAM DESCRIPTION MANUAL
72	GB20-0556-1#			SYSTEM/360 INVENTORY CONTROL (360A-MF-04X) OPERATIONS MANUAL
72	GB20-0557-2			SYSTEM/360 AD-APT/AUTCSPOT (OS) NUMERICAL CONTROL PROCESSOR (360A-CN-12X) OPERATION'S MANUAL
82	GB20-0558-1			SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE APPLICATION DESCRIPTION MANUAL
82	GB20-0559-1			PROGRAM NUMBERS 5736-P71, 5736-P72 SYSTEM/360 MATRIX LANGUAGE (MATLAN) (360A-CM-05X) OPERATIONS MANUAL
82	GB20-0560-1#			MATHEMATICAL PROGRAMMING SYSTEM/360 REPORT GENERATOR (MPSRG) (360A-CO-20X) PROGRAM DESCRIPTION MANUAL
82	GB20-0561-0	GN20-1949		MATHEMATICAL PROGRAMMING SYSTEM/360 REPORT GENERATOR (MPSRG) (360A-CO-20X) OPERATIONS MANUAL
82	GB20-0564-1#			SYSTEM/360 MATRIX LANGUAGE (MATLAN) (360A-CM-05X) PROGRAM DESCRIPTION MANUAL
25	GB20-0572-0			SYSTEM/360 DECISION LOGIC TRANSLATOR (360A-CX-32X) PROGRAM DESCRIPTION MANUAL
25	GB20-0573-0	GN20-2223		SYSTEM/360 DECISION LOGIC TRANSLATOR (360A-CX-32X) OPERATIONS MANUAL
80	GB20-0574-1#			SYSTEM/360 GENERALIZED INFORMATION SYSTEM APPLICATION DESCRIPTION MANUAL (5736-CX1)
65	GB20-0577-1	GN20-2583		PROGRAM FOR OPTICAL SYSTEM DESIGN/II (POSD/II) (1130-EO-14X, 360A-EO-15X, 360A-EO-16X) PROGRAM DESCRIPTION MANUAL
65	GB20-0578-1	GN20-2584		PROGRAM FOR OPTICAL SYSTEM DESIGN/II (POSD/II) (1130-EO-14X, 360A-EO-15X, 360A-EO-16X) OPERATIONS MANUAL
73	GB20-0579-0	GN20-2246	GN20-2560	SYSTEM/360 TEXT PROCESSOR - COMPOSITION/360 (360A-DP-08X), OPERATIONS MANUAL
79	GB20-0582-1#			SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM-OS (ATS/OS) (360A-CX-19X) PROGRAM DESCRIPTION MANUAL
72	GB20-0583-0	GN20-3041		SYSTEM/360 REQUIREMENTS PLANNING (360A-MF-05X) OPERATIONS MANUAL
72	GB20-0584-0	GN20-2513	**GN20-2982	SYSTEM/360 REQUIREMENTS PLANNING (360A-MF-05X) PROGRAM DESCRIPTION MANUAL
73	GB20-0585-0	GN20-2245	GN20-2559	SYSTEM/360 TEXT PROCESSOR - COMPOSITION/360 (360A-DP-08X), PROGRAM DESCRIPTION MANUAL
82	GB20-0586-0	GN20-2034		SYSTEM/360 SCIENTIFIC SUBROUTINE PACKAGE (PL/I) (360A-CM-07X) PROGRAM DESCRIPTION AND OPERATIONS MANUAL
64	GB20-0587-1			COURSEWRITER III FOR SYSTEM/360 VERSION 2 APPLICATION DESCRIPTION PROGRAM NUMBER 360A-UX-01X
71	GB20-0588-1	GN20-2098		ADVANCED LIFE INFORMATION SYSTEM (DOS): HOME OFFICE INQUIRY PROGRAM, TERMINAL OPERATIONS MANUAL, PROG. NOS. 360A-IL-09X, 5736-N11
79	GB20-0589-2#			SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM-CS (ATS/OS) (360A-CX-19X) TERMINAL OPERATIONS MANUAL
79	GB20-0590-1#			SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM - OS (ATS/OS) CONSOLE OPERATIONS MANUAL, PROG. NO. 360A-CX-19X
63	GB20-0591-2#	GN20-2554		SYSTEM/360 RETAIL IMPACT STAPLE SYSTEM (OS) PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 360A-DR-05X
63	GB20-0592-1	GN20-2547		SYSTEM/360 RETAIL IMPACT STAPLE SYSTEM (DOS) OPERATIONS MANUAL - PROGRAM NUMBER 360A-DR-09X
63	GB20-0593-1#			SYSTEM/360 RETAIL IMPACT STAPLE SYSTEM (OS) OPERATIONS MANUAL, PROG. NO. 360A-DR-05X
31	GB20-0594-1			PROBLEM LANGUAGE ANALYZER (PLAN): PROGRAM DESCRIPTION MANUAL PROG. NOS. 1130-CX-25X AND 360A-CX-36X, -27X
31	GB20-0596-1#			SYSTEM/360 PROBLEM LANGUAGE ANALYZER (PLAN) (OS) OPERATIONS MANUAL - PROGRAM NUMBER 360A-CX-27X
31	GB20-0597-0			SYSTEM/360 PROBLEM LANGUAGE ANALYZER (PLAN) (DOS) (360A-CX-26X) OPERATIONS MANUAL
65	**GB20-0598-0	**GN20-2127		RIGID FRAME SELECTION PROGRAM (RFSP): APPLICATION DESCRIPTION, PROG. NOS. 1130-EC-09X, 5734-EC1, 5736-EC1
63	GB20-0599-4#			SYSTEM/360 RETAIL IMPACT STAPLE SYSTEM (DOS) PROGRAM DESCRIPTION MANUAL - PROGRAM NUMBER 360A-DR-09X
82	GB20-0602-0			MATHEMATICAL PROGRAMMING SYSTEM/360 (360A-CO-14X) OPERATIONS MANUAL
82	GB20-0603-0			MATHEMATICAL PROGRAMMING SYSTEM/360 (360A-CO-14X) MESSAGE MANUAL
63	GB20-0604-1			SYSTEM/360 ORDER ALLOCATION SYSTEM APPLICATION DESCRIPTION MANUAL - 5736-D41
81	SB20-0605-2			CUSTOMER INFORMATION CONTROL SYSTEM, OS-STANDARD (CICS/OS) (5736-U11), PROGRAM DESCRIPTION
81	SB20-0606-1			CUSTOMER INFORMATION CONTROL SYSTEM, OS-STANDARD (CICS/OS), (5736-U11) OPERATION MANUAL
82	GB20-0607-0			LINEAR PROGRAMMING SYSTEM/360 (LPS/360) (360A-CO-18X) PROGRAM DESCRIPTION MANUAL

64	GH20-0608-1			COURSEWRITER III FOR SYSTEM/360 (360A-UX-01X) STUDENT/MONITOR USER'S GUIDE VERSION 2
64	GH20-0609-1#	GN20-2232		COURSEWRITER III FOR SYSTEM/360 (360A-UX-01X) VERSION 2 AUTHOR'S GUIDE
64	GH20-0610-1	GN20-2207	GN20-2345	COURSEWRITER III FOR SYSTEM/360 (360A-UX-01X) VERSION 2 SUPERVISOR'S GUIDE
82	GH20-0611-0	GN20-2377		LINEAR PROGRAMMING SYSTEM/360 (LPS/360) (360A-CO-18X) OPERATIONS MANUAL
65	SH20-0612-0			RIGID FRAME SELECTION PROGRAM (RFSP) OPERATIONS MANUAL PROGRAM NUMBER 1130-EC-09X 5734-EC1 5736-EC1
65	SH20-0613-0			RIGID FRAME SELECTION PROGRAM RFSP PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5734-EC1 5736-EC1
30	GH20-0614-0			PLAN GRAPHICS SUPPORT FOR THE IBM 2250 ON SYSTEM/360 (OS) OR IBM 1130 PROGRAM DESCRIPTION MANUAL PROGRAM NUMBERS 360A-CX-34X AND 1130-CX-33X
30	GH20-0615-0			PLAN GRAPHICS SUPPORT FOR THE IBM 2250 ON SYSTEM/360 (OS) OPERATIONS MANUAL PROGRAM NUMBER 360A-CX-34X
65	GH20-0617-0			MECHANISM DESIGN SYSTEM-KINEMATICS PROGRAM DESCRIPTION MANUAL PROGRAM NOS. 1130-EM-03X, 360A-EM-04X AND 360A-EM-05X
65	GH20-0618-0			MECHANISM DESIGN SYSTEM-KINEMATICS OPERATIONS MANUAL PROGRAM NOS. 1130-EM-03X, 360A-EM-04X AND 360A-EM-05X
82	SH20-0619-0			SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE: PROGRAM DESCRIPTION MANUAL, PROG. NOS. 5736-P71, -P72
82	SH20-0620-0			SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE - PS: OPERATIONS MANUAL - PROGRAM NUMBER 5736-P71
82	GH20-0621-0			SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE - OS: OPERATIONS MANUAL - PROGRAM NUMBER 5736-P72
80	SH20-0622-2#			SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) PROGRAM DESCRIPTION MANUAL VOLUME 1: SYSTEM OVERVIEW AND CONTROL (5736-CX1)
80	SH20-0623-1	SN20-2216		SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) AND SYSTEM/360 GENERALIZED INFORMATION SYSTEM PROGRAM DESCRIPTION MANUAL VOLUME II: DATA DESCRIPTION LANGUAGE (5736-CX1)
80	SH20-0625-1#			SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) OPERATIONS MANUAL (5736-CX1)
31	GH20-0626-0			PROBLEM LANGUAGE ANALYZER (PLAN) USERS' INTRODUCTION PROGRAM NUMBERS 1130-CX-25X, 360A-CX-26X AND 360A-CX-27X
72	GH20-0627-2			SYSTEM/360 CAPACITY PLANNING - INFINITE LOADING SYSTEM/360 CAPACITY PLANNING - FINITE LOADING APPLICATION DESCRIPTION MANUAL PROGRAM NUMBERS: 5736-M11 5736-M12
70	GH20-0629-0	GN20-2230		LAW ENFORCEMENT MANPOWER RESOURCE ALLOCATION SYSTEM (LEMNAS): APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-G21
80	SH20-0630-1			SYSTEM/360 GENERALIZED INFORMATION SYSTEM PROGRAM DESCRIPTION MANUAL VOLUME 1: SYSTEM OVERVIEW AND CONTROL (5736-CX1)
80	SH20-0632-1#			SYSTEM/360 GENERALIZED INFORMATION SYSTEM OPERATIONS MANUAL (5736-CX1)
80	SH20-0634-1	SN20-2339		INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360 PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5736-CX3
80	SH20-0635-1	SN20-2340		INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360: OPERATIONS MANUAL, VOLUME I - SYSTEMS OPERATION PROGRAM NUMBER 5736-CX3
80	SH20-0636-1	SN20-2341		INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360 OPERATIONS MANUAL VOLUME II - MACHINE OPERATIONS PROGRAM NUMBER 5736-CX3
71	GH20-0645-0	GN20-2137 GN20-2158	GN20-2097 GN20-2521	ADVANCED LIFE INFORMATION SYSTEM (DOS) BATCH EDIT, SYSTEM MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
71	GH20-0646-0	GN20-2109 GN20-2522	GN20-2159	ADVANCED LIFE INFORMATION SYSTEM (DOS) ALIS -- INPUT EDIT, SYSTEM MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
71	GH20-0647-0	GN20-2160	GN20-2523	ADVANCED LIFE INFORMATION SYSTEM (DOS) FREQUENTLY USED RECORD FORMATS, SYSTEM MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
71	GH20-0648-0	GN20-2105 GN20-2524	GN20-2161	ADVANCED LIFE INFORMATION SYSTEM (DOS) MISCELLANEOUS VOLUME, SYSTEM MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
71	GH20-0649-1	GN20-2525		ADVANCED LIFE INFORMATION SYSTEM (DOS) FILE MAINTENANCE RUN EXECUTIVE, SYSTEM MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
71	GH20-0650-1	GN20-2526		ADVANCED LIFE INFORMATION SYSTEM (DOS) DATA CELL REORGANIZATION PROGRAM, POLICY MASTER RECORD MERGE PROGRAM, DATA CELL RECONSTRUCTION PROGRAM, AND DATA CELL RESTORE PROGRAM, SYSTEMS MANUAL PROGRAM NUMBERS 360A-IL-09X AND 5736-N11
71	GH20-0651-1	GN20-2287		ADVANCED LIFE INFORMATION SYSTEM (DOS) ALIS -- FILE MAINTENANCE INCLUDE (R) ROUTINES (NARRATIVES), SYSTEM MANUAL - PROGRAM NUMBERS 360A-IL-09X AND 5736-N11
71	GH20-0652-1			ADVANCED LIFE INFORMATION SYSTEM (DOS) FILE MAINTENANCE INCLUDE (R) ROUTINES (FLOWCHARTS), SYSTEM MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
71	GH20-0653-1	**GN20-2528		ADVANCED LIFE INFORMATION SYSTEM (DOS) FILE MAINTENANCE CALL (S) ROUTINES (NARRATIVES), SYSTEM MANUAL PROGRAM NUMBERS 360A-IL-09X, 5736-N11
71	GH20-0654-1			ADVANCED LIFE INFORMATION SYSTEM (DOS) FILE MAINTENANCE CALL ROUTINES (S) (FLOWCHARTS), SYSTEM MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

71	GH20-0655-0	GN20-2094 GN20-2529	GN20-2167	ADVANCED LIFE INFORMATION SYSTEM (DOS) FILE MAINTENANCE ISSUES, ADDITIONS, COMPLEX CHANGES, AND TERMINATIONS TRANSACTIONS, SYSTEM MANUAL PROGRAM NUMBERS 360A-IL-09X AND 5736-N11
71	**GH20-0656-1			ADVANCED LIFE INFORMATION SYSTEM (DOS) FILE MAINTENANCE SIMPLE CHANGES TRANSACTIONS, SYSTEM MANUAL PROGRAM NUMBERS 5736-N11 AND 360A-IL-09X
71	GH20-0657-0	GN20-2093 GN20-2530	GN20-2181	ADVANCED LIFE INFORMATION SYSTEM (DOS) FILE MAINTENANCE 36XX FINANCIAL TRANSACTIONS - PAYMENTS, SYSTEM MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
71	GH20-0658-0	GN20-2092 GN20-2565	GN20-2182	ADVANCED LIFE INFORMATION SYSTEM (DOS) FILE MAINTENANCE FINANCIAL TRANSACTIONS ACCOUNTING ENTRIES, SYSTEM MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
71	GH20-0659-0	GN20-2091 GN20-2531	GN20-2169	ADVANCED LIFE INFORMATION SYSTEM (DOS) FILE MAINTENANCE STATUS TRANSACTIONS - PROCESS AND QUOTE TERMINATIONS, SYSTEM MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
71	GH20-0660-0	GN20-2090 GN20-2532	GN20-2170	ADVANCED LIFE INFORMATION SYSTEM (DOS) FILE MAINTENANCE STATUS TRANSACTIONS - PROCESS AND QUOTE MISCELLANEOUS, LOAN VALUES, AND PARTICIPATION VALUES, SYSTEM MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
71	GH20-0661-0	GN20-2171	GN20-2566	ADVANCED LIFE INFORMATION SYSTEM (DOS) FILE MAINTENANCE BILLING TRANSACTIONS SYSTEM MANUAL (PROGRAM NUMBER: VERSION 1-360A-IL-09X VERSION 2 - 5736-N11)
71	GH20-0662-0	GN20-2104 GN20-2533	GN20-2183	ADVANCED LIFE INFORMATION SYSTEM (DOS) FILE MAINTENANCE PREMIUM DUE, OVERDUE, AND ANNIVERSARY PROCESSING TRANSACTIONS, SYSTEM MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
71	GH20-0663-0	GN20-2089		ADVANCED LIFE INFORMATION SYSTEM (DOS) FILE MAINTENANCE RATE FILE EXTRACT AND ANNIVERSARY EXTRACT UPDATE TRANSACTIONS, SYSTEM MANUAL PROGRAM NUMBERS 360A-IL-09X AND 5736-N11
71	GH20-0664-0	GN20-2088 GN20-2534	GN20-2184	ADVANCED LIFE INFORMATION SYSTEM (DOS) FILE MAINTENANCE CONTRACTUAL CHANGES AND NOTIFICATIONS, SYSTEM MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
71	GH20-0665-0	GN20-2138 GN20-2185	GN20-2087 GN20-2535	ADVANCED LIFE INFORMATION SYSTEM (DOS) OUTPUT ANALYSIS, SYSTEM MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
71	GH20-0666-0	GN20-2186		ADVANCED LIFE INFORMATION SYSTEM (DOS) TRANSACTION REGISTER, SYSTEM MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
71	**GH20-0667-1#			ADVANCED LIFE INFORMATION SYSTEM STATUS PRINT, SYSTEM MANUAL (PROGRAM NUMBER: VERSION 1-360A-IL-09X VERSION 2 - 5736-N11)
71	GH20-0668-1#			ADVANCED LIFE INFORMATION SYSTEM (DOS) POLICY ACCOUNTING JOURNAL, SYSTEM MANUAL PROGRAM NUMBERS 360A-IL-09X AND 5736-N11
71	GH20-0669-0	GN20-2085		ADVANCED LIFE INFORMATION SYSTEM (DOS) ACCOUNTING CONTROL, SYSTEM MANUAL PROGRAM NUMBERS 360A-IL-09X AND 5736-N11
71	GH20-0670-1#			ADVANCED LIFE INFORMATION SYSTEM (DOS) ERROR REGISTER, SYSTEM MANUAL PROGRAM NUMBERS 360A-IL-09X AND 5736-N11
71	GH20-0671-0	GN20-2136	GN20-2083	ADVANCED LIFE INFORMATION SYSTEM (DOS) RATE FILE, SYSTEM MANUAL PROGRAM NUMBERS 360A-IL-09X AND 5736-N11
71	GH20-0672-0	GN20-2082	GN20-2187	ADVANCED LIFE INFORMATION SYSTEM (DOS) HOME OFFICE INQUIRY PROGRAM SYSTEM MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
20	GH20-0673-4	**GN20-2779		CALL/360-OS SYSTEM DESCRIPTION MANUAL, PROGRAM NUMBER 360A-CX-42X
76	SH20-0675-2	**SN20-2843	**SN20-2999	SYSTEM/360 POWER SYSTEM PLANNING FOR THE ELECTRIC UTILITY INDUSTRY (OS) (5736-U12)
76	SH20-0676-4	SN20-2813	**SN20-2997	SYSTEM/360 POWER SYSTEM PLANNING FOR THE ELECTRIC UTILITY INDUSTRY (OS) (5736-U12), OPERATIONS MANUAL
81	SH20-0677-0	SN20-2199		PROJECT MANAGEMENT SYSTEM/360 VERSION 3 PROGRAM DESCRIPTION AND OPERATIONS MANUAL PROGRAM NUMBER 5734-XP1
30	GH20-0678-0			GRAPHIC ANALYSIS OF THREE-DIMENSIONAL DATA (GATD) PROGRAM DESCRIPTION MANUAL - PROGRAM NUMBER 5734-XX2
30	SH20-0679-0			GRAPHIC ANALYSIS OF THREE-DIMENSIONAL DATA (GATD) OPERATIONS MANUAL - PROGRAM NUMBER 5734-XX2
30	SH20-0680-0			GRAPHIC ANALYSIS OF THREE-DIMENSIONAL DATA (GATD) TERMINAL OPERATIONS MANUAL
22	GH20-0689-2#			APL/360 PRIMER - PROGRAM NUMBERS 5734-XM1 AND 5736-XM1
81	GH20-0690-0			PROJECT MANAGEMENT SYSTEM/360 VERSION 3 APPLICATION DESCRIPTION MANUAL - PROGRAM NUMBER 5734-XP1
83	GH20-0691-0			GENERAL PURPOSE SIMULATION SYSTEM/360 (OS AND DOS) VERSION 2 APPLICATION DESCRIPTION, PROG. NOS. 5734-XS1 AND 5736-XS1
83	SH20-0692-0	SN20-2403		GENERAL PURPOSE SIMULATION SYSTEM/360 OS VERSION 2 OPERATOR'S MANUAL - PROGRAM NUMBER 5734-XS1
83	SH20-0693-0	SN20-2119 SN20-2435	SN20-2243	GENERAL PURPOSE SIMULATION SYSTEM/360 OS AND DOS VERSION 2 INTRODUCTORY USER'S MANUAL, PROG. NOS. 5734-XS1 AND 5736-XS1
83	SH20-0694-1			GENERAL PURPOSE SIMULATION SYSTEM/360 OS AND DOS VERSION 2 USER'S MANUAL PROGRAM NUMBERS 5734-XS1 AND 5736-XS1
70	SH20-0695-0	SN20-2574		LAW ENFORCEMENT MANPOWER RESOURCE ALLOCATION SYSTEM (LEMNAS) PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5736-G21
70	SH20-0696-0	SN20-2231		LAW ENFORCEMENT RESOURCE ALLOCATION SYSTEM (LEMNAS) OPERATIONS MANUAL (5736-G21)

74	GH20-0697-0			MEDICAL INFORMATION SYSTEM PROGRAMS (MISP)
83	SH20-0698-0	SN20-2414		PROGRAMMER'S MANUAL - PROGRAM NUMBER 360A-UH-08L
23	**GH20-0699-3			GENERAL PURPOSE SIMULATION SYSTEM/360 DOS VERSION 2
29	GH20-0700-2	**GN20-2785		OPERATION MANUAL - PROGRAM NUMBER 5736-XS1
74	GH20-0709-0			CALL-OS BASIC LANGUAGE REFERENCE MANUAL - PROGRAM NUMBER
73	SH20-0711-0			360A-CX-44X
73	SH20-0712-0			CALL/360-OS PL/I LANGUAGE REFERENCE MANUAL
31	**GH20-0719-2			SHARED LABORATORY INFORMATION SYSTEM (SLIS)
64	GH20-0720-0	GN20-2255	GN20-2410	APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-H12
63	GH20-0721-2			SYSTEM/360 TEXT PROCESSOR - EDIT/360 OPERATIONS MANUAL
63	GH20-0722-4			PROGRAM NUMBER 5736-K11
30	GH20-0723-0	GN20-2198		SYSTEM/360 TEXT PROCESSOR - EDIT/360
63	SH20-0726-0			PROGRAM DESCRIPTION MANUAL
63	SH20-0728-0	SN20-2247		PROGRAM NUMBER 5736-K11
78	GH20-0730-0			360 DOS POWER II APPLICATION DESCRIPTION MANUAL
64	GH20-0735-0			PROGRAM NUMBER 360D-05.2.006
80	SH20-0736-0	SN20-2217	SN20-2423	COURSEWRITER III FOR SYSTEM/360 VERSION 2 OPERATOR'S GUIDE
31	**GH20-0737-3			PROGRAM NUMBER 360A-UX-01X
38	GH20-0743-1			SYSTEM/360 CONSUMER GOODS SYSTEM (COGS)
64	SH20-0744-1			ALLOCATION (DOS) (OS) APPLICATION DESCRIPTION MANUAL
79	GH20-0745-1#	GN20-2234		PROGRAM NUMBERS (DOS) 5736-D31, (OS) 5734-D32
79	GH20-0746-1#	GN20-2237		SYSTEM/360 CONSUMER GOODS SYSTEM (COGS) FORECASTING (DOS)
72	GH20-0751-1			(OS) - APPLICATION DESCRIPTION MANUAL - PROGRAM NUMBER
72	GH20-0752-1	**GN20-3077		DOS 5736-D32, OS 5734-D33
72	GH20-0753-2#			DATA/360-DOS APPLICATION DESCRIPTION MANUAL
72	GH20-0754-1			PROGRAM NUMBER 5736-XS2
31	GH20-0757-0	GN20-2191		SYSTEM/360 ORDER ALLOCATION SYSTEM
31	GH20-0758-1			PROGRAM DESCRIPTION MANUAL
31	GH20-0759-1	GN20-2369	GN20-2549	PROGRAM NUMBER 5736-D41
38	GH20-0761-1#	**GN33-9135		ORDER ALLOCATION SYSTEM OPERATIONS MANUAL
67	GH20-0763-1			PROGRAM NUMBER 5736-D41
63	GH20-0764-1			TARIFF PUBLISHING SYSTEM (BOUND TARIFFS) AND TRAFFIC PROFILE
80	**GH20-0765-3	**GN20-2981	**GN20-9002	ANALYSIS SYSTEM (POINT-TO-POINT TARIFF ITEM SELECTION):
79	SH20-0766-0	SN20-2235		APPLICATION DESCRIPTION MANUAL, PROG. NOS. 5736-T21, -T22
79	SH20-0767-0	SN20-2236		COURSEWRITER III FOR SYSTEM/360 (OS AND DOS) VERSION 2
79	SH20-0768-2#			APPLICATION DESCRIPTION MANUAL - PROG. NOS. 5734-E12,
74	SH20-0769-0	SN20-2572		360A-UX-01X
80	GH20-0771-1	**GN20-2912		SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) SYSTEM/360
67	GH20-0775-0	GN20-2442		GENERALIZED INFORMATION SYSTEM PROGRAM DESCRIPTION MANUAL
72	SH20-0776-0	SN20-2480		VOLUME III: PROCEDURAL LANGUAGE
72	**SH20-0777-2			PROGRAM NUMBER 5736-CX1
				IBM SYSTEM/360 DOS POWER II PROGRAM DESCRIPTION AND
				OPERATIONS MANUAL
				PROGRAM NUMBER 360D-05.2.006
				IBM SYSTEM/360 DOS POWER II REMOTE JOB ENTRY PROGRAM
				APPLICATION DESCRIPTION MANUAL
				PROGRAM NUMBER 360D-05.2.006
				COURSEWRITER III FOR SYSTEM/360 (OS) VERSION 2
				OPERATOR'S GUIDE PROGRAM NUMBER 5734-E12
				SYSTEM/360 OS LEARN ADMINISTRATIVE TERMINAL SYSTEM
				APPLICATION DESCRIPTION MANUAL (PROGRAM NO. 5734-XX8)
				SYSTEM/360 DOS LEARN ADMINISTRATIVE TERMINAL SYSTEM
				APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-XX3
				OS/360 REQUIREMENTS PLANNING -
				APPLICATION DESCRIPTION MANUAL
				PROGRAM NUMBER 5734-M51
				OS/360 INVENTORY CONTROL APPLICATION DESCRIPTION MANUAL
				(5734-M52)
				SYSTEM/360 SHOP FLOOR CONTROL APPLICATION DESCRIPTION MANUAL
				PROGRAM NUMBER 5736-M31
				SYSTEM/360 SHOP FLOOR CONTROL DATA BASE MANUAL
				PROGRAM NUMBER 5736-M31
				CONVERSATIONAL PROGRAMMING SYSTEM (CPS)
				SYSTEM PROGRAMMER'S GUIDE
				CONVERSATIONAL PROGRAMMING SYSTEM (CPS) TERMINAL USER'S
				MANUAL - PROGRAM NUMBER 360D-03.4-016
				CONVERSATIONAL PROGRAMMING SYSTEM (CPS)
				INSTALLATION AND ADMINISTRATION MANUAL
				POWER II/RJE: PROGRAM DESCRIPTION AND OPERATIONS MANUAL,
				PROG. NO. 360D-05-2.006
				FINANCIAL TERMINAL SYSTEM APPLICATION DESCRIPTION FTS/360
				PROGRAM NUMBER 5736-F12
				SYSTEM/360 AGRIBUSINESS MANAGEMENT INFORMATION SYSTEM
				APPLICATION DESCRIPTION MANUAL
				PROGRAM NUMBER 5736-D51
				INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360
				(SYSTEM DESCRIPTION) APPLICATION DESCRIPTION MANUAL
				(VERSION 2) PROGRAM NUMBER 5734-XX6
				IBM SYSTEM/360 OS LEARN ADMINISTRATIVE TERMINAL SYSTEM
				PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5734-XX8
				IBM SYSTEM/360 DOS LEARN ADMINISTRATIVE TERMINAL SYSTEM
				PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5736-XX3
				IBM SYSTEM/360 LEARN ATS WORKBOOK
				PROGRAM NUMBERS 5734-XX8, 5736-XX3
				SHARED LABORATORY INFORMATION SYSTEM (SLIS)
				LABORATORY MANUAL PROGRAM NUMBER 5736-H12
				SYSTEM/360 DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR
				APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-XX4
				SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM
				APPLICATION DESCRIPTION MANUAL, PROGRAM NUMBER 5736-F32
				OS/360 INVENTORY CONTROL PROGRAM DESCRIPTION MANUAL
				PROGRAM NUMBER 5734-M52
				OS/360 REQUIREMENTS PLANNING PROGRAM DESCRIPTION MANUAL
				PROGRAM NUMBER 5734-M51

72	SH20-0778-1			OS/360 INVENTORY CONTROL OPERATIONS MANUAL PROGRAM NUMBER 5734-M52
74	SH20-0780-0			SHARED LABORATORY INFORMATION SYSTEM (SLIS) 5736-H12 PROGRAM DESCRIPTION MANUAL
74	SH20-0781-0			SHARED LABORATORY INFORMATION SYSTEM (SLIS) (5736-H12). OPERATIONS MANUAL
72	**SH20-0782-2			OS/360 REQUIREMENTS PLANNING PROGRAM PRODUCT 5734-M51 OPERATIONS MANUAL
34	GH20-0786-3			CALL/360-OS EXECUTIVE AND UTILITIES PROGRAM DESCRIPTION MANUAL (PROGRAM NUMBER 360A-CX-42X)
40	GH20-0787-2			CALL-OS TERMINAL OPERATIONS MANUAL PROGRAM NUMBER 360A-CX-42X
40	GH20-0788-2			CALL/360-OS OPERATOR'S MANUAL PROGRAM NUMBER 360A-CX-42X
67	GH20-0789-2#			BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE) VERSION 2 APPLICATION DESCRIPTION - PROGRAM NUMBER 5736-F31
72	SH20-0790-0			SYSTEM/360 REQUIREMENTS PLANNING INTERFACE 5736-M13 PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5736-M13
72	SH20-0791-0			SYSTEM/360 REQUIREMENTS PLANNING INTERFACE (5736-M13) OPERATIONS MANUAL
78	**SH20-0792-1			TARIFF PUBLISHING SYSTEM (BOUND TARIFFS) FORMAT AND STANDARD CODES MANUAL PROGRAM NUMBER 5736-T21
72	**SH20-0795-1			SYSTEM/360 CAPACITY PLANNING OPERATIONS MANUAL PROGRAM PRODUCT 5736-M11, PROGRAM PRODUCT 5736-M12
72	SH20-0796-1	**SN20-3043		SYSTEM/360 CAPACITY PLANNING - INFINITE LOADING SYSTEM/360 CAPACITY PLANNING - FINITE LOADING PROGRAM DESCRIPTION MANUAL PROGRAM NUMBERS 5736-M11, 5736-M12
78	**SH20-0798-2			TARIFF PUBLISHING SYSTEM (BOUND TARIFFS) DATA PREPARATION MANUAL 5736-T21
36	**GH20-0802-3			CONTRCL PROGRAM-67 / CAMBRIDGE MONITOR SYSTEM (CP-67/CMS) SYSTEM DESCRIPTION MANUAL - PROGRAM NUMBER 360D-05.2.005
63	SH20-0803-3			CONSUMER GOODS SYSTEM (COGS) FORECASTING (DCS) (OS) OPERATIONS MANUAL, PROGRAM NUMBERS DOS 5736-D32, OS 5734-D33
63	**SH20-0804-3			SYSTEM/360 CONSUMER GOODS SYSTEM (COGS) FORECASTING PROGRAM DESCRIPTION MANUAL (PROGRAM NUMBER 5736-D32)
74	SH20-0805-0	SN20-2283		MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) PROGRAM 5736-H11 OPERATIONS MANUAL
74	GH20-0806-0			MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) VERSION 2 APPLICATION DESCRIPTION MANUAL, PROGRAM NUMBER 5736-H11
74	SH20-0807-0			MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) VERSION 2: INSTALLATION AID MANUAL, PROG. NO. 5736-H11
74	SH20-0808-0			MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) 5736-H11 PROGRAM DESCRIPTION MANUAL
74	SH20-0809-0			MEDICAL INFORMATION SYSTEM PROGRAM (MISP) 5736-H11 PROGRAMMER'S MANUAL
30	GH20-0810-0	GN20-2299	GN20-2482	IBM SYSTEM/360 FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL - LOW CORE (FASTER LC) APPLICATION DESCRIPTION - PROGRAM NUMBER 5736-G22
78	SH20-0811-0			TRAFFIC PROFILE ANALYSIS SYSTEM 5736-T22, PROGRAM DESCRIPTION AND OPERATION MANUAL
78	SH20-0812-1	**SN20-2852		TARIFF PUBLISHING SYSTEM (BOUND TARIFFS) PROGRAM DESCRIPTION AND OPERATIONS MANUAL PROGRAM NUMBER 5736-T21
71	GH20-0813-0			CFO AUTOCODER TO ASSEMBLER LANGUAGE INSTRUCTION SET TRANSLATOR (CATALIST) APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-XX2
71	SH20-0814-1			CFO AUTOCODER TO ASSEMBLER LANGUAGE INSTRUCTION SET TRANSLATOR (CATALIST) PROGRAM DESCRIPTION AND OPERATIONS MANUAL PROGRAM NUMBER 5736-XX2
74	SH20-0815-0			MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) VERSION TWO - APPLICATION FILE DESCRIPTION MANUAL PROGRAM NUMBER 5736-H11
63	SH20-0820-2#			CONSUMER GOODS SYSTEM (COGS) ALLOCATION (DOS) (OS) OPERATIONS MANUAL, PROGRAM NUMBERS DOS-5736-D31, OS-5734-D32
63	SH20-0821-2			CONSUMER GOODS SYSTEM (COGS) ALLOCATION (DOS) (OS) PROGRAM DESCRIPTION, PROGRAM NUMBERS DOS 5736-D31, OS 5734-D32
36	GH20-0824-0	GN20-2315		INTRODUCTION TO THE REAL-TIME MONITOR
83	GH20-0825-0	**GN20-3044		GENERAL PURPOSE SIMULATION SYSTEM V (OS) APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5734-XS2
83	GH20-0826-0			GENERAL PURPOSE SIMULATION SYSTEM V (DOS) APPLICATION DESCRIPTION MANUAL, PROGRAM NUMBER 5736-XS3
72	SH20-0827-1			SYSTEM/360 SHOP FLOOR CONTROL 5736-M31 OPERATOR'S MANUAL SHOP FLOOR CONTROL, PROGRAM NUMBERS 5736-M31 (DOS), 5734-M31 (OS) - PROGRAM DESCRIPTION MANUAL
72	SH20-0828-1	SN20-2752		SYSTEM/360 DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR 5736-XX4 PROGRAM DESCRIPTION MANUAL
80	**SH20-0829-2#	**SN20-2799		SYSTEM/360 DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR 5736-XX4 OPERATIONS MANUAL
80	SH20-0829-1#			SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM WITH DOS (RAX-DOS) PROGRAMMING RPQ: APPLICATION DESCRIPTION, PROG. NO. 5799-AAA
80	SH20-0830-2			SYSTEM/360 TEXT PROCESSOR - PAGINATION/360 PROGRAM DESCRIPTION VOLUME 1 PROGRAM NUMBER 5736-K12
38	GH20-0832-0			SYSTEM/360 TEXT PROCESSOR - PAGINATION/360 PROGRAM DESCRIPTION VOLUME 2 - PROGRAM NUMBER 5736-K12
73	SH20-0833-1	SN20-2372	**SN20-2853	SYSTEM/360 TEXT PROCESSOR-PAGINATION/360: PROGRAM DESCRIPTION VOLUME 3, PROG. NO. 5736-K12
73	SH20-0834-1#	SN20-2373	**SN20-2911	SYSTEM/360 TEXT PROCESSOR - PAGINATION/360 OPERATIONS MANUAL PROGRAM NUMBER 5736-K12
73	SH20-0835-1#	SN20-2374	**SN20-2985	SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM WITH DISK OPERATING SYSTEM (RAX-DOS) PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5799-AAA
73	**SH20-0836-3			
38	SH20-0837-0			

30	GH20-0838-0	GN20-2479		INTRODUCTION TO DATA/360 - DOS PROGRAM NUMBER 5736-XS2
81	GH20-0841-2#	**GN20-3076		DISPLAY MANAGEMENT SYSTEM APPLICATION DESCRIPTION PROGRAM NUMBER 5734-XC1
38	SH20-0843-0			SYSTEM/360 REMOTE ACCESS COMPUTING WITH DISK OPERATING SYSTEM (RAX-DOS) OPERATIONS MANUAL PROGRAM NUMBER 5799-AAA
76	GH20-0844-0			MANAGEMENT INFORMATION SYSTEM FOR PUBLIC UTILITIES WITH THE IBM SYSTEM/370
63	**SH20-0846-1			SYSTEM/360 AGRIBUSINESS MANAGEMENT INFORMATION SYSTEM PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5736-D51
63	**SH20-0847-1			SYSTEM/360 AGRIBUSINESS MANAGEMENT INFORMATION SYSTEM OPERATIONS MANUAL PROGRAM NUMBER 5736-D51
82	**GH20-0849-3			INTRODUCTION TO MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) - PROGRAM PRODUCT MANUAL - PROGRAM NUMBER 5734-XM4
22	GH20-0850-1#	**GN20-3014		APL/360 - OS (5734-XM6) AND APL/360 - DOS (5736-XM6) GENERAL INFORMATION MANUAL
83	SH20-0851-1	SN20-2471	**SN20-3046	GENERAL PURPOSE SIMULATION SYSTEM V USER'S MANUAL, PROG. NOS. 5734-XS2 (OS) AND 5736-XS3 (DOS)
81	GH20-0852-2			INTRODUCTION TO MINIPERT PROGRAM NUMBER 5734-XP3
30	GH20-0853-0			DATA/360-OS: GENERAL INFORMATION MANUAL, PROG. NO. 5734-XS3
82	GH20-0854-1			PROCEDURE LIBRARY-MATHEMATICS (PL-MATH) GENERAL INFORMATION MANUAL, PROGRAM NUMBER 5734-XM3
81	GH20-0855-1			INTRODUCTION TO PROJECT MANAGEMENT SYSTEM IV (PMSIV), PROGRAM PRODUCT MANUAL - PROGRAM NUMBER 5734-XP4
36	**GH20-0856-2			CP-67/CMS VERSION 3.1: CP-67 OPERATOR'S GUIDE, PROG. NO. 360D-05.2.005
36	**GH20-0857-2			CP-67/CMS VERSION 3.1: INSTALLATION GUIDE, PROG. NO. 360D-05.2.005
36	GH20-0858-1	GN20-2497	**GN20-2620	CONTROL PROGRAM - 67/CAMBRIDGE MONITOR SYSTEM (CP-67/CMS) HARDWARE MAINTAINABILITY GUIDE PROGRAM NUMBER 360D-05.2.005
36	**GH20-0859-2	**GN20-2618		CP-67/CMS VERSION 3.1: USER'S GUIDE, PROG. NO. 360D-05.2.005
36	GH20-0860-0			CONTROL PROGRAM - 67/CAMBRIDGE MONITOR SYSTEM (CP-67/CMS) VERSION 3 CMS SCRIPT USER'S MANUAL
30	SH20-0863-0	SN20-2265	SN20-2298	IBM SYSTEM/360 FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL-LOW CORE (FASTER LC)
		SN20-2466	SN20-2481	5736-G22 PROGRAM DESCRIPTION MANUAL
30	SH20-0864-0	SN20-2297	SN20-2465	SYSTEM/360 FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL-LOW CORE (FASTER LC)
		SN20-2483		5736-G22 OPERATIONS MANUAL
83	SH20-0866-1	SN20-2473	**SN20-3045	GENERAL PURPOSE SIMULATION SYSTEM V INTRODUCTORY USER'S MANUAL, PROG. NOS. 5734-XS2 (OS) AND 5736-XS3 (DOS)
83	**SH20-0867-3			GENERAL PURPOSE SIMULATING SYSTEM V-OS (GPSS V-OS) OPERATIONS MANUAL PROGRAM NUMBER 5734-XS2
83	SH20-0868-1	**SN20-3048		GENERAL PURPOSE SIMULATION SYSTEM V - DOS (GPSS V - DOS) OPERATIONS MANUAL, PROGRAM NUMBER 5736-XS3
67	SH20-0870-0			SYSTEM/360 FINANCIAL TERMINAL SYSTEM, PROGRAM DESCRIPTION MANUAL, PROGRAM NUMBER 5736-F12
67	SH20-0871-0			SYSTEM/360 FINANCIAL TERMINAL SYSTEM, OPERATIONS MANUAL, PROGRAM NUMBER 5736-F12
67	SH20-0872-0			SYSTEM/360 FINANCIAL TERMINAL SYSTEM, PROGRAMMER'S MANUAL, PROGRAM NUMBER 5736-F12
78	GH20-0873-3			FARE QUOTE/TICKETING APPLICATION DESCRIPTION MANUAL
83	GH20-0874-1#			COMPUTER SYSTEM SIMULATOR II (CSS II) GENERAL INFORMATION MANUAL, PROGRAM NUMBER 5734-XS5
83	SH20-0875-1	SN20-2413		COMPUTER SYSTEM SIMULATOR II (CSS II) PROGRAM DESCRIPTION AND OPERATIONS MANUAL PROGRAM NUMBER 5734-XS5,
36	GH20-0876-0			THE REAL-TIME MONITOR (RTM) PROGRAM DESCRIPTION MANUAL, PROGRAM NUMBER 360A-SV-001
36	GH20-0877-0			THE REAL-TIME MONITOR (RTM), PROGRAM NUMBER 360A-SV-001 OPERATIONS AND PROGRAMMER'S GUIDE
30	SH20-0879-0	SN20-2399	SN20-2478	DATA/360 - DOS CONSOLE OPERATOR'S GUIDE PROGRAM NUMBER 5736-XS2
71	GH20-0883-1			CONSOLIDATED FUNCTIONS ORDINARY II (CEO II) SYSTEM, APPLICATION DESCRIPTION, PROGRAM NUMBER 5736-N13
30	SH20-0885-1			DATA/360 - DOS TERMINAL OPERATOR'S GUIDE PROGRAM NUMBER 5736-XS2
70	GH20-0888-0	GN20-2392		BASIC COURTS SYSTEM (BCS) APPLICATION DESCRIPTION MANUAL, PROGRAM NUMBER 5736-G26
22	SH20-0890-0			APL/360 - OS OPERATIONS AND INSTALLATION MANUAL, PROGRAM NUMBER 5734-XM6
80	GH20-0892-0	GN20-2393	GN20-2397	IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) APPLICATION DESCRIPTION, PROG. NO. 5734-XX1
67	SH20-0893-1#	**GN20-2895	**GN20-9023	SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM OPERATIONS MANUAL, PROGRAM NUMBER 5736-F32
67	SH20-0894-0	SN20-2441		SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM TERMINAL OPERATOR'S MANUAL PROGRAM NUMBER 5736-F32
67	SH20-0895-0	SN20-2447		SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM PROGRAM DESCRIPTION MANUAL, PROGRAM NUMBER 5736-F32
25	GH20-0896-0			FORTRAN CONVERSION AID PROGRAM, GENERAL INFORMATION MANUAL PROGRAM NUMBER 5799-AAJ, REFERENCE NUMBER FA1287
25	SH20-0897-0			FORTRAN CONVERSION AID PROGRAM, PROGRAM DESCRIPTION AND OPERATIONS MANUAL, PROGRAM NUMBER 5799-AAJ, REFERENCE NUMBER FA1287
81	SH20-0898-0	SN20-2760		PMS IV, COST PROCESSOR, PROGRAM DESCRIPTION AND OPERATIONS PROGRAM PRODUCT MANUAL - PROGRAM NUMBER 5734-XP4
81	SH20-0899-1			PMS IV, NETWORK PROCESSOR, PROGRAM DESCRIPTION AND OPERATIONS MANUAL, PROGRAM NUMBER 5734-XP4
81	SH20-0900-0			PROJECT MANAGEMENT SYSTEM IV (PMSIV) RESOURCE ALLOCATION PROCESSOR, PROGRAM DESCRIPTION/ OPERATIONS MANUAL - PROGRAM NUMBER 5734-XP4

81	SH20-0901-1			PROJECT MANAGEMENT SYSTEM IV (PMS IV) REPCRT PROCESSOR PROGRAM DESCRIPTION/OPERATIONS MANUAL PROGRAM NUMBER 5734-XP4
30	GH20-0903-1			IBM DISK OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL - MULTITHREAD (DOS FASTER MT) APPLICATION DESCRIPTION, PROGRAM NUMBER 5736-G24
22	GH20-0906-0			APL/360-OS (5734-XM6), APL/360-DOS (5736-XM6), USER'S MANUAL
82	SH20-0908-0			MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) MIXED INTEGER PROGRAMMING(MIP) PROGRAM DESCRIPTION MANUAL
81	SH20-0909-0			DISPLAY MANAGEMENT SYSTEM PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5734-XC1
80	**SH20-0910-3	**SN20-2913	**SN20-9003	INFORMATION MANAGEMENT SYSTEM/360, VERSION 2 SYSTEM/APPLICATION DESIGN GUIDE PROGRAM NUMBER 5734-XX6
80	SH20-0911-3	**SN20-2914	**SN20-9004	INFORMATION MANAGEMENT SYSTEM/360, VERSION 2 SYSTEM PROGRAMMING REFERENCE MANUAL PROGRAM NUMBER 5734-XX6
80	SH20-0912-3	**SN20-2915	**SN20-9005	INFORMATION MANAGEMENT SYSTEM/360, VERSION 2 APPLICATION PROGRAMMING REFERENCE MANUAL PROGRAM NUMBER 5734-XX6
80	SH20-0913-3	**SN20-2916	**SN20-9006	INFORMATION MANAGEMENT SYSTEM/360, VERSION 2, OPERATOR'S REFERENCE MANUAL PROGRAM NUMBER 5734-XX6
80	SH20-0914-3	**SN20-2917	**SN20-9007	INFORMATION MANAGEMENT SYSTEM/360, VERSION 2, MESSAGES AND CODES REFERENCE MANUAL, PROGRAM NUMBER 5734-XX6
80	SH20-0915-2	**SN20-2918	**SN20-9008	INFORMATION MANAGEMENT SYSTEM/360 VERSION 2 UTILITIES REFERENCE MANUAL, PROG. NO. 5734-XX6
81	SH20-0919-0			DISPLAY MANAGEMENT SYSTEM OPERATOR'S MANUAL PROGRAM NUMBER 5734-XC1
24	GH20-0920-0			CONTROL PROGRAM-67 ONLINE COBOL SYMBOLIC DEBUG PROGRAM NUMBER 5799-AAE - APPLICATION DESCRIPTION MANUAL
24	SH20-0921-0			CONTROL PROGRAM - 67 ONLINE COBOL SYMBOLIC DEBUG USER'S GUIDE - PROGRAM NUMBER 5799-AAE
24	SH20-0922-0			CONTROL PROGRAM - 67 ONLINE COBOL SYMBOLIC DEBUG INSTALLATION MANUAL, PROGRAM NUMBER 5799-AAE
24	SH20-0923-0			CONTROL PROGRAM - 67 ONLINE COBOL SYMBOLIC DEBUG OPERATING SYSTEM/360 IN A VIRTUAL MACHINE, PROGRAM NUMBER 5799-AAE
82	**SH20-0924-1			MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX), OPERATIONS MANUAL - PROGRAM NUMBER 5734-XM4
30	SH20-0925-0			DATA/360-OS TERMINAL OPERATOR'S GUIDE, PROGRAM NUMBER 5734-XS3
30	SH20-0926-1	SN20-2778		DATA/360-OS CONSOLE OPERATOR'S GUIDE, PROGRAM NUMBER 5734-XS3
82	SH20-0932-0			MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) CONTROL LANGUAGE USER'S MANUAL, PROGRAM NUMBER 5734-XM4
63	GH20-0935-1			IBM FASHION REPORTER: APPLICATION DESCRIPTION, PROG. NO. 5736-D11
71	SH20-0936-1	**SN20-2902		CONSOLIDATED FUNCTION ORDINARY SYSTEM II (CFO II) PROGRAM DESCRIPTION VOLUME II: POLICY MASTER RECORD CODE BOOK, PROG. NO. 5736-N13
71	SH20-0937-1	**SN20-2901		CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII) MISCELLANEOUS PROGRAM DATA, PROGRAM DESCRIPTION MANUAL VOLUME III - PROGRAM NUMBER 5736-N13
22	SH20-0938-0			APL/360 - DOS OPERATIONS AND INSTALLATION MANUAL, PROGRAM NUMBER 5736-XM6
82	**SH20-0959-1			MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) MESSAGE MANUAL, PROGRAM NUMBER 5734-XM4
82	SH20-0960-0			MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) READ COMMUNICATIONS FORMAT (READCOMM) PROGRAM DESCRIPTION MANUAL, PROGRAM NUMBER 5734-XM4
80	GH20-0961-1#			BILL PROCESSOR SYSTEMS - IMS/360 BRIDGE, APPLICATION DESCRIPTION MANUAL, PROGRAM NUMBER 5734-XX9
70	SH20-0963-0	SN20-2437	SN20-2792	BASIC COURTS SYSTEM - PROGRAM PRODUCT DESCRIPTION MANUAL PROGRAM PRODUCT 5736-G26
70	SH20-0964-0	SN20-2436		BASIC COURTS SYSTEM PROGRAM PRODUCT OPERATIONS MANUAL PROGRAM NUMBER 5736-G26
82	**SH20-0968-1			MPSX LINEAR AND SEPARABLE PROGRAMMING, PROGRAM DESCRIPTION MANUAL, PROGRAM NUMBER 5734-XM4
60	GH20-0970-1	GN20-2459		BIBLIOGRAPHY OF APPLICATION PUBLICATIONS MEDICAL INDUSTRIES
72	SH20-0978-0			OS CAPACITY PLANNING - INFINITE LOADING, OS CAPACITY PLANNING - FINITE LOADING, OPERATIONS MANUAL PROGRAM NUMBERS 5734-M53 AND 5734-M54
78	SH20-0979-3			FARE QUOTE/ISSUE TICKET USER'S GUIDE PROGRAM NUMBER 5736-T11
78	SH20-0980-2			TARIFF MAINTENANCE USER'S GUIDE, PROGRAM NUMBER 5736-T11
78	**SH20-0981-3			FARE QUOTE/TICKETING SYSTEM IMPLEMENTATION GUIDE, PROGRAM NUMBER 5736-T11
78	**SH20-0982-3			TARIFF MAINTENANCE OPERATOR'S GUIDE, PROGRAM NUMBER 5736-T11
65	GH20-0983-1			ELECTRONIC CIRCUIT ANALYSIS PROGRAM II (ECAP II) FOR THE IBM OPERATING SYSTEM AND 1130 COMPUTING SYSTEM: APPLICATION DESCRIPTION, PROG. NOS. 5734-EE1, 5711-EE1
82	SH20-0985-0	SN20-2443		PROCEDURE LIBRARY - MATHEMATICS (PL-MATH) PROGRAM DESCRIPTION MANUAL, PROGRAM NUMBER 5734-XM3
72	SH20-0986-0			OS SHOP FLOOR CONTROL OPERATIONS MANUAL PROGRAM NUMBER 5734-M31
64	**GH20-0987-2			COURSEWRITER III, VERSION 3 APPLICATION DESCRIPTION MANUAL PROGRAM NUMBERS 5734-E13, 5736-E11

82	SH20-0988-0	SN20-2446		PROCEDURE LIBRARY - MATHEMATICS (PL-MATH)
81	SH20-0995-0			OPERATIONS MANUAL, PROGRAM NUMBER 5734-XM3
67	SH20-0997-1			MINIPERT PROGRAM DESCRIPTION AND OPERATIONS MANUAL
				PROGRAM NUMBER 5734-XP3
67	SH20-0998-1			BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE) VERSION 2
				PROGRAM DESCRIPTION MANUAL VOLUME 1: NARRATIVE
				PROGRAM NUMBER 5736-F31
67	**SH20-0999-1			BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE) VERSION 2
				OPERATIONS MANUAL, PROG. NO. 5736-F31
70	**GH20-1002-1			BUDGET ACCOUNTING INFORMATION SYSTEM (BACIS) FOR PUBLIC
				INSTITUTIONS - GENERAL INFORMATION MANUAL
				PROGRAM NUMBER 5736-G25
80	**SH20-1007-2	**SN20-9017		INFORMATION MANAGEMENT SYSTEM/360 VERSION 2 MASTER INDEX
				PROGRAM NUMBER 5734-XX6
67	GH20-1008-0			CHECK PROCESSING CONTROL SYSTEM (CPCS) GENERAL INFORMATION
64	SH20-1009-0	SN20-2561	SN20-2577	MANUAL - PROGRAM PRODUCT 5734-F11
		**SN20-2845		COURSEWRITER III, VERSION 3 AUTHOR'S GUIDE - OPERATING
				SYSTEM AND DISK OPERATING SYSTEM
64	**SH20-1010-2			PROGRAM NUMBERS 5734-E13, 5736-E11
				COURSEWRITER III, VERSION 3 STUDENT/MONITOR USER'S GUIDE
				OPERATING SYSTEM AND DISK OPERATING SYSTEM
				PROGRAM NUMBERS 5734-E13, 5736-E11
64	SH20-1011-1	**SN20-2846		COURSEWRITER III, VERSION 3 SUPERVISOR'S GUIDE
				OPERATING SYSTEM AND DISK OPERATING SYSTEM
				PROGRAM NUMBERS 5734-E13, 5736-E11
64	**SH20-1012-1	**SN20-2876		COURSEWRITER III, VERSION 3 OPERATOR'S GUIDE
				DISK OPERATING SYSTEM - PROGRAM NUMBERS 5736-E11
65	SH20-1015-0			ELECTRONIC CIRCUIT ANALYSIS PROGRAM II (ECAP II) FOR THE IEM
				OPERATING SYSTEM AND 1130 COMPUTING SYSTEM
				PROGRAM DESCRIPTION MANUAL, PROG. NOS. 5734-EE1, 5711-EE1
71	SH20-1016-0	**SN20-2905		CONSOLIDATED FUNCTIONS ORDINARY II SYSTEM (CFOII)
				OPERATIONS MANUAL - PROGRAM NUMBER 5736-N13
71	SH20-1017-1	**SN20-2815		CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII)
				UTILITY PROGRAM DESCRIPTION MANUAL
				PROGRAM NUMBER 5736-N13
36	**GH20-1021-0+			OS/MVT WITH RESOURCE SECURITY INSTALLATION AND SYSTEM
				PROGRAMMERS GUIDE - PROGRAM NUMBER 360A-SV-007
64	**SH20-1022-2	**SN20-2877		COURSEWRITER III/OS VERSION 3 - OPERATOR'S GUIDE
				PROGRAM NUMBER 5734-E13
71	SH20-1024-0	**SN20-2904		CONSOLIDATED FUNCTIONS ORDINARY II (CFO II)
				PROGRAM DESCRIPTION MANUAL - VOLUME I
				PROCESSING DESCRIPTION - PROGRAM NUMBER 5736-N13
65	SH20-1025-0			ELECTRONIC CIRCUIT ANALYSIS PROGRAM II (ECAP II) FOR THE IEM
				OPERATING SYSTEM - OPERATIONS MANUAL
				PROGRAM NUMBER 5734-EE1
79	**GH20-1027-3			STAT/BASIC FOR SYSTEM/3 AND ITF - GENERAL INFORMATION MANUAL
				PROGRAM NUMBERS 5703-XA1, 5734-XA3
81	**GH20-1028-3	**GN20-2984		CUSTOMER INFORMATION CONTROL SYSTEM (CICS) DOS-ENTRY
				(CICS/DOSE) DOS-STANDARD (CICS/DOSS) OS-STANDARD V2
				(CICS/OS) GENERAL INFORMATION MANUAL
				PROGRAM NUMBERS 5734-XX7, 5736-XX6, 5736-XX7
36	GH20-1029-0	**GN20-2616		CP-67/CMS VERSION 3.1: OPERATING SYSTEMS IN A VIRTUAL
				MACHINE, PROG. NO. 360D-05.2.005
80	**SH20-1030-1	**SN20-9000	**SN20-9022	IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2)
				PROGRAM DESCRIPTION MANUAL, VOLUME 1: SYSTEM OVERVIEW
				AND CONTROL - PROGRAM PRODUCT MANUAL
				PROGRAM NUMBER 5734-XX1
30	GH20-1031-0	GN20-2485		IBM OPERATING SYSTEM FILING AND SOURCE DATA ENTRY
				TECHNIQUES FOR EASIER RETRIEVAL - MULTITHREAD (OS FASTER MT)
				GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5734-G21
80	SH20-1032-0	SN20-2750	**SN20-2893	IBM GENERALIZED INFORMATION SYSTEM, VERSION 2 (GIS/2)
				OPERATIONS MANUAL - PROGRAM NUMBER 5734-XX1
80	**SH20-1033-1	**SN20-9001		GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2)
				VOLUME 3, PROCEDURAL LANGUAGE - PROGRAM DESCRIPTION MANUAL
				PROGRAM NUMBER 5734-XX1
81	SH20-1034-11	**SN20-2839		CUSTOMER INFORMATION CONTROL SYSTEM (CICS) OPERATIONS
				GUIDE - PROGRAM NUMBERS DOS-ENTRY 5736-XX6 DOS-STANDARD
				5736-XX7
81	GH20-1035-1			PLANNING SYSTEM GENERATOR II (PSGII) GENERAL INFORMATION
				MANUAL PROGRAM NUMBER 5734-XT1
67	**GH20-1039-2+			SECURITIES ORDER MATCHING GENERAL INFORMATION MANUAL
				PROGRAM NUMBER 5734-F32
80	SH20-1040-0	SN20-2460	SN20-2592	GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) VOLUME 2:
				DATA DESCRIPTION LANGUAGE - PROGRAM DESCRIPTION MANUAL
				PROGRAM NUMBER 5734-XX1
81	SH20-1041-0			PLANNING SYSTEMS GENERATOR II (PSG II)
				OPERATIONS MANUAL - PROGRAM NUMBER 5734-XT1
81	SH20-1042-0			PLANNING SYSTEMS GENERATOR II (PSG II) PROGRAM REFERENCE
				MANUAL - PROGRAM NUMBER 5734-XT1
81	**SH20-1043-4	**SN20-2986		CUSTOMER INFORMATION CONTROL SYSTEM (CICS) SYSTEM
				PROGRAMMER'S REFERENCE MANUAL PROGRAM NUMBERS
				DOS-ENTRY 5736-XX6, DOS-STANDARD 5736-XX7,
				OS-STANDARD V2 5734-XX7
81	**SH20-1044-3			CUSTOMER INFORMATION CONTROL SYSTEM (CICS) TERMINAL
				OPERATOR'S GUIDE - PROGRAM NUMBERS DOS-ENTRY 5736-XX6,
				DOS-STANDARD 5736-XX7, OS-STANDARD V2 5734-XX7
81	**SH20-1047-4	**SN20-2983		CUSTOMER INFORMATION CONTROL SYSTEM DOS - ENTRY (CIS
				DOS - STANDARD (CICS/DOSS) OS - STANDARD VERSION 2 (CICS/OS)
				APPLICATION PROGRAMMER'S REFERENCE MANUAL
				PROGRAM NUMBERS 5736-XX6, 5736-XX7, 5734-XX7

81	**SH20-1048-2		CUSTOMER INFORMATION CONTROL SYSTEM (CICS) OPERATING SYSTEM STANDARD VERSION 2 OPERATIONS GUIDE PROGRAM NUMBER 5734-XX7
30	SH20-1051-1#	**SN20-3062	IBM DISK OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL - MULTITHREAD (DOS FASTER MT) PROGRAM DESCRIPTION PROGRAM NUMBER 5736-G24
30	SH20-1052-1	**SN20-3061	IBM DISK OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL - MULTITHREAD (DOS FASTER MT) OPERATIONS MANUAL - PROGRAM NUMBER 5736-G24
63	**SH20-1053-1		IBM FASHION REPORTER, PROGRAM DESCRIPTION MANUAL, PROGRAM NUMBER 5736-D11
63	SH20-1054-0	SN20-2506	IBM FASHION REPORTER, OPERATIONS MANUAL PROGRAM NUMBER 5736-D11
36	**GH20-1057-0+		OS/MVT WITH RESOURCE SECURITY, SECURITY OFFICER'S GUIDE PROGRAM NUMBER 360A-SV-007
36	**GH20-1058-0+		RESOURCE SECURITY (FOR OS/MVT)-GENERAL INFORMATION AND PLANNING MANUAL, PROG. NO. 360A-SV-007
31	GH20-1066-0	**GN20-3056	PROBLEM LANGUAGE ANALYZER (PLAN) PROGRAM REFERENCE MANUAL PROGRAM NUMBERS 1130-CX-25X, 360A-CX-27X
72	SH20-1067-0		SYSTEM/360 OPERATING SYSTEM REQUIREMENTS PLANNING EXTENSIONS (PROGRAMMING RPQ EA6264) - PROGRAM DESCRIPTION AND OPERATIONS MANUAL - PROGRAM NUMBER 5799-AAY
79	**SH20-1069-2		STAT/BASIC FOR SYSTEM/3 AND INTERACTIVE TERMINAL FACILITY PROGRAM REFERENCE - PROGRAM NUMBERS 5703-XA1, 5734-XA3
79	**SH20-1070-2		STAT/BASIC FOR INTERACTIVE TERMINAL FACILITY OPERATIONS GUID PROGRAM NUMBER 5734-XA3
80	GH20-1074-1	**GN20-2823	**GN20-2873
80	SH20-1075-0		INTERACTIVE QUERY FACILITY (IQF) FOR IMS/360 VERSION 2 PROGRAM NUMBER 5734-XX6 - GENERAL INFORMATION MANUAL
80	SH20-1076-0		BILL PROCESSOR SYSTEMS - IMS/360 BRIDGE PROGRAM DESCRIPTION MANUAL - PROGRAM NUMBER 5734-XX9
78	SH20-1081-0		BILL PROCESSOR SYSTEMS - IMS/360 BRIDGE, OPERATIONS MANUAL - PROGRAM NUMBER 5734-XX9
73	**SH20-1089-1#		FARE QUOTE/TICKETING STUDENT STUDY GUIDE PROGRAM NUMBER 5736-T11
81	**SH20-1092-1#		AN APL TEXT EDITOR AND COMPOSER PROGRAM DESCRIPTION/ OPERATIONS MANUAL - PROGRAM NUMBER 5796-PAC
78	SH20-1094-0		APL/PDTS PROGRAMMING DEVELOPMENT TRACKING SYSTEM (PDTS): PROGRAM DESCRIPTION/OPERATIONS MANUAL IUP #5796-PAD
78	SH20-1095-0		FLIGHT DATA DISPLAY SYSTEM INSTALLATION GUIDE PROGRAM NUMBER 5796-PAE
78	SH20-1096-0		FLIGHT DATA DISPLAY SYSTEM OPERATORS MANUAL PROGRAM NUMBER 5796-PAE
76	**SH20-1101-0		FLIGHT DATA DISPLAY SYSTEM USERS GUIDE PROGRAM NUMBER 5796-PAE
39	**SH20-1103-0		LOADFLOW PLOTTING SYSTEM, VARIBUS CORP. A GULF STATES UTILITY COMPANY SUBSIDIARY - PROGRAM DESCRIPTION/OPERATIONS MANUAL - IUP NUMBER 5796-AAF
39	**SH20-1104-0		S/360 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE COMPUTING (MUSIC) PROGRAM DESCRIPTION OPERATIONS MANUAL - IUP NUMBER 5796-AAT
80	**SH20-1105-1#	**SN20-3058	S/360-S/370 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE COMPUTING (MUSIC) USER'S GUIDE - IUP NUMBER 5796-AAT
71	**SH20-1112-0		DATA DICTIONARY/DIRECTORY SYSTEM, WITH CMIS DATA ELEMENT GLOSSARY - PROGRAM DESCRIPTION OPERATIONS MANUAL - IUP NUMBER 5796-PAG
73	**SH20-1114-0		CONSOLIDATED FUNCTIONS EQUITY PRODUCTS VARIABLE ANNUITIES, MUTUAL FUNDS DATAMANN, INC. - SUBSIDIARY OF HORACE MANN EDUCATORS SPRINGFIELD, ILLINCIS PROGRAM DESCRIPTION/OPERATIONS MANUAL PROGRAM NUMBER 5796-AAP
81	**SH20-1115-0		SCRIPT/370 - PROGRAM DESCRIPTION/OPERATION MANUAL - IUP NUMBER 5796-PAF
72	**SH20-1117-0		S/360-S/370 YALE ALUMNI RECORDS DATA SYSTEM (YARDS) PROGRAM DESCRIPTION OPERATIONS MANUAL - IUP NUMBER 5796-APF
82	**SH20-1118-0		CYCLE-TIME SIMULATOR SYSTEM - PROGRAM DESCRIPTION/OPERATIONS MANUAL - IUP NUMBER 5796-PBG
82	**SH20-1119-0		ADVANCED STATISTICAL ANALYSIS PROGRAM (ASTAP) PROGRAM REFERENCE MANUAL - IUP NUMBER 5796-PBH
63	**SH20-1122-0		ADVANCED STATISTICAL ANALYSIS PROGRAM (ASTAP) OPERATIONS GUIDE - IUP NUMBER 5796-PBH
72	**SH20-1123-0		IBM WAREHOUSE SIMULATOR PROGRAM DESCRIPTION/OPERATIONS MANUAL - IUP NUMBER 5796-PBK
82	**GH20-1128-3		IBM MULTIPLAN SOURCING PROGRAM DESCRIPTION/OPERATIONS MANUAL IUP NUMBER 5796-PBL
64	**GH20-1129-1		MATH/BASIC FOR SYSTEM/3 AND INTERACTIVE TERMINAL FACILITY (ITF) GENERAL INFORMATION MANUAL - PROGRAM NUMBERS 5703-XM2, 5734-XM8
78	GH20-1134-0		EPIC SOCRATES STUDENT SCHEDULING SYSTEM FOR EDUCATIONAL INSTITUTIONS - PROGRAM PRODUCT GENERAL INFORMATION PROGRAM NUMBER 5735-E91
78	GH20-1135-0	**GN20-2830	FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) GENERAL INFORMATION MANUAL - PROGRAM NUMBERS 5795-AAA (OS MESSAGE SWITCHING) 5795-AAB (OS EQUIPMENT CONTROL) 5795-AAC (DOS MESSAGE SWITCHING) 5795-AAD (DOS EQUIPMENT CONTROL)
78	SH20-1136-0	**SN20-2831	FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) OPERATIONS MANUAL - PROGRAM NUMBER 5795-AAA (OS MESSAGE SWITCHING)
78	SH20-1137-0		FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST), SYSTEM PROGRAMMER'S - REFERENCE MANUAL PROGRAM NUMBER 5795-AAA (OS MESSAGE SWITCHING)
			FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) - TERMINAL OPERATOR'S MANUAL - PROGRAM NUMBERS 5795-AAA (OS MESSAGE SWITCHING) 5795-AAC (DOS MESSAGE SWITCHING)

78	LH20-1138-0	**LN20-2832		FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) - PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 5795-AAA (OS MESSAGE SWITCHING)
78	GH20-1139-0	**GN20-2833		FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) - FILE DESCRIPTION MANUAL - PROGRAM NUMBERS 5795-AAA (OS MESSAGE SWITCHING)
30	SB20-1146-1	**SN20-3059		IBM OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL MULTITHREAD (OS FASTER MT) OPERATIONS GUIDE - PROGRAM NUMBER 5734-G21
30	SH20-1147-1#	**SN20-3060		IBM OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL MULTITHREAD (OS FASTER MT) PROGRAM NUMBER 5734-G21
71	GH20-1148-0			PROPERTY AND LIABILITY INFORMATION SYSTEM ENHANCEMENTS PLANNING MANUAL - PROGRAM NUMBERS 5736-N24 AND 5736-N25
70	**SH20-1150-1			BUDGET ACCOUNTING INFORMATION SYSTEM (BACIS) PROGRAM PRODUCT - OPERATOR'S GUIDE - PROGRAM NUMBER 5736-G25
70	**SH20-1151-1			BUDGET ACCOUNTING INFORMATION SYSTEM (BACIS) FOR PUBLIC INSTITUTIONS; PROGRAM PRODUCT REFERENCE MANUAL PROGRAM NUMBER 5736-G25
35	**GH20-1152-1	**GN33-7027		RCA 301 EMULATOR ON SYSTEM/370 USING DOS AND DOS/V (PRPQ) - TRANSITION GUIDE, PROG. NO. 5799-ADR
35	**GH20-1153-1	**GN33-7028		HONEYWELL SERIES 200 EMULATOR ON SYSTEM/370 USING DOS AND DOS/V (PRPQ) - TRANSITION GUIDE, PROG. NO. 5799-ADT
67	SB20-1154-0	SN20-2790		MARKETABLE SECURITIES INVENTORY SYSTEM, PROGRAMMING RPQ MB4259, PROGRAM REFERENCE MANUAL - PROG. NO. 5799-ABY
67	**SH20-1155-0			MARKETABLE SECURITIES INVENTORY SYSTEM PROGRAMMING RPQ MB4259 - PROGRAM NUMBER 5799-ABY OPERATIONS GUIDE
82	**SH20-1157-2			MATH/BASIC PROGRAM PRODUCT FOR ITF - OPERATOR'S GUIDE PROGRAM NUMBER 5734-XM8
82	**SH20-1158-2			MATH/BASIC FOR SYSTEM/3 MODEL 6 AND INTERACTIVE TERMINAL FACILITY (ITF) - PROGRAM PRODUCT REFERENCE MANUAL PROGRAM NUMBERS 5703-XM2 (S/3 MODEL 6) 5734-XM8 (ITF-OS, DOS AND TOS)
67	SB20-1159-0			REGISTERED REPRESENTATIVE SYSTEM PROGRAMMING OVERVIEW PROGRAM NUMBER 5734-F34
67	**GH20-1160-0			REGISTERED REPRESENTATIVE SYSTEM GENERAL INFORMATION MANUAL PROGRAM NUMBER 5734-F34
31	GH20-1163-0			(CPS) CONVERSATIONAL PROGRAMMING SYSTEM BASIC TERMINAL USER'S MANUAL - PROGRAM NUMBER 360D-03.4-016
81	SB20-1164-0			PLANNING SYSTEMS GENERATOR II (PSG II) DCS OPERATOR'S GUIDE PROGRAM PRODUCT 5736-XT1
78	**SH20-1166-1			FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) SYSTEM PROGRAMMER'S REFERENCE MANUAL - PROGRAM PRODUCT 5795-AAC (DOS MESSAGE SWITCHING)
78	SB20-1167-0	**SN20-2835	**SN20-3052	FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) OPERATIONS MANUAL - PROGRAM PRODUCT 5795-AAC (DOS MESSAGE SWITCHING)
78	LH20-1168-0	**LN20-2836		FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) PROGRAM LOGIC MANUAL - PROGRAM PRODUCT 5797-AAC (DOS MESSAGE SWITCHING)
78	SB20-1169-0	**SN20-2837	**SN20-3053	FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) FILE DESCRIPTION MANUAL - PROGRAM PRODUCT 5795-AAC (DOS MESSAGE SWITCHING)
64	**GH20-1170-1	**GN20-3064		INTERACTIVE TRAINING SYSTEM - GENERAL INFORMATION MANUAL PROGRAM NUMBER 5734-XXC
36	**GH20-1171-0			SYSTEM/370 DISTRIBUTED SYSTEM PROGRAM (S/370 DSP) GENERAL INFORMATION MANUAL, PROG. NO. 360A-TX-032
36	**GH20-1173-1			IBM SYSTEM/360 AND SYSTEM/370 ASP VERSION 3 ASYMMETRIC MULTI PROCESSING SYSTEM: GENERAL INFORMATION MANUAL, PROG. NO. 360A-CX-15X
81	SB20-1174-0			PLANNING SYSTEMS GENERATOR II (PSG II) DCS - PROGRAM REFERENCE MANUAL - PROGRAM PRODUCT 5736-XT1
82	**GH20-1175-2#			BUSINESS ANALYSIS/BASIC FOR SYSTEM/3 BASIC AND SYSTEM/360 AND SYSTEM/370 INTERACTIVE TERMINAL FACILITY GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5703-XM3, 5734-XMB
80	**SH20-1177-1			PLANNING GUIDE FOR THE PL/1 QUERY SUPPORT FEATURE OF GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) PROGRAM NUMBER 5734-XX1
74	GH20-1179-0			HEALTH CARE SUPPORT/ACCOUNTING SYSTEM & DATA COMMUNICATIONS: GENERAL INFORMATION MANUAL, PROG. NO. 5746-H14 (DOS/V)
78	**LH20-1182-0	**LN20-2878		FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 5795-AAB, AND 5795-AAD (OS AND DCS EQUIPMENT CONTROL)
78	**SH20-1183-1			FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) SYSTEM PROGRAM REFERENCE MANUAL - PROGRAM NUMBER 5795-AAD - (DOS EQUIPMENT CONTROL)
78	**SH20-1184-0	**SN20-2880	**SN20-3006	FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) SYSTEM PROGRAM REFERENCE MANUAL - PROGRAM NUMBER 5795-AAB (OS EQUIPMENT CONTROL)
78	**SH20-1185-0	**SN20-2881		FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) OPERATIONS MANUAL - PROGRAM NUMBER 5795-AAB (OS EQUIPMENT CONTROL)
78	**SH20-1186-0	**SN20-2882 **SN20-3054	**SN20-3007	FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) FILE DESCRIPTION MANUAL - PROGRAM NUMBERS 5795-AAB AND 5795-AAD (OS AND DOS EQUIPMENT CONTROL)
78	**SH20-1187-0	**SN20-2883	**SN20-3008	FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) TERMINAL OPERATOR'S MANUAL - PROGRAM NUMBERS 5795-AAB, AND 5795-AAD (OS AND DOS EQUIPMENT CONTROL)
71	**GH20-1188-2			ALPHA SEARCH INQUIRY SYSTEM, GENERAL INFORMATION MANUAL (PROGRAM NUMBER 5736-N14)
74	GH20-1190-0			HEALTH CARE SUPPORT/LABORATORY INFORMATION SYSTEM: GENERAL INFORMATION MANUAL, PROG. NO. 5746-H12 (DOS/V)

78	**SB20-1195-0	**SN20-2884 **SN20-3055	**SN20-3009 **SN20-3091	FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) OPERATIONS MANUAL - PROGRAM NUMBER 5795-AAC (DOS EQUIPMENT CONTROL)
39	**SB20-1197-0			CPS UNDER TSO TERMINAL USERS MANUAL (PRPQ) - PROGRAM NUMBER 5799-ADY
39	**SB20-1198-0			CPS UNDER TSO BASIC TERMINAL USERS MANUAL (PRPQ) - PROGRAM NUMBER 5799-ADY
39	**SB20-1199-0	**SN20-2850		CPS UNDER TSO OPERATOR'S GUIDE (PRPQ) - PROGRAM NUMBER 5799-ADY
30	**GB20-1207-1#			TELECOMMUNICATIONS CONTROL SYSTEM (TCS) CONCEPTS AND FACILITIES MANUAL - PROGRAM PRODUCT 5734-F31
30	**SH20-1208-0	**SN20-3012		TELECOMMUNICATIONS CONTROL SYSTEM (TCS) PROGRAMMER'S GUIDE AND REFERENCE MANUAL - PROGRAM PRODUCT 5734-F31
30	**SH20-1209-0	**SN20-3011		TELECOMMUNICATIONS CONTROL SYSTEM (TCS) OPERATIONS GUIDE, PROGRAM NUMBER 5734-F31
64	**SH20-1213-0	**SN20-2885	**SN20-3067	INTERACTIVE TRAINING SYSTEM COURSE AUTHORIZING GUIDE - PROGRAM NUMBER 5734-XXC
64	**SH20-1214-0	**SN20-2886	**SN20-3066	INTERACTIVE TRAINING SYSTEM OPERATIONS GUIDE - PROGRAM NUMBER 5734-XXC
64	**SH20-1215-0	**SN20-2887		INTERACTIVE TRAINING SYSTEM TERMINAL USER'S GUIDE - PROGRAM NUMBER 5734-XXC
64	**SH20-1216-0	**SN20-3065		INTERACTIVE TRAINING SYSTEM PROGRAM REFERENCE MANUAL PROGRAM NUMBER 5734-XXC
64	**SH20-1217-0	**SN20-2888		INTERACTIVE TRAINING SYSTEM SUPERVISOR'S GUIDE - PROGRAM NUMBER 5734-XXC
30	**SB20-1219-0	**SN20-2990		DATA/360 - II CONSOLE OPERATOR'S GUIDE - PROGRAM NUMBER 5734-XS8
30	**GH20-1220-0	**GN20-2988		DATA/360 - II GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5734-XS8
30	**SH20-1221-0	**SN20-2989		DATA/360 - II TERMINAL OPERATOR'S GUIDE - PROGRAM NUMBER 5734-XS8
80	**GB20-1222-0			INTERACTIVE QUERY FACILITY (IQF) INTRODUCTION LANGUAGE GUIDE PROGRAM NUMBER 5734-XX6
80	**GH20-1223-0	**GN20-2872		IQF TERMINAL USERS REFERENCE GUIDE (INTERACTIVE QUERY FACILITY) (IMS/360) - PROGRAM NUMBER 5734-XX6
67	**SB20-1224-0			SECURITIES ORDER MATCHING PROGRAM REFERENCE MANUAL - PROGRAM NUMBER 5734-F32
67	**SB20-1225-0			SECURITIES ORDER MATCHING OPERATIONS GUIDE - PROGRAM NUMBER 5734-F32
67	**GH20-1226-1			SECURITIES ORDER MATCHING SCOPE OPERATIONS GUIDE - PROGRAM NUMBER 5734-F32
72	GH20-1233-0			SYSTEM/370 APT-BP NUMERICAL CONTROL PROCESSOR GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5740-M51
72	**GB20-1234-0			SYSTEM/370 APT-1C AND APT-AC NUMERICAL CONTROL PROCESSORS GENERAL INFORMATION MANUAL - PROGRAM NUMBERS 5740-M52 (IC) AND 5740-M53 (AC)
63	**GH20-1241-0			IBM FASHION REPORTER, USER'S GUIDE - PROGRAM NUMBER 5736-I11
64	**SB20-1242-0			EPIC: SOCRATES (STUDENT SCHEDULING SYSTEM FOR EDUCATIONAL INSTITUTIONS) USER'S GUIDE - PROGRAM NUMBER 5735-E91
64	**SB20-1245-0	**SN20-3042		EPIC: SOCRATES OPERATION'S GUIDE - PROGRAM NUMBER 5735-E91
80	**GH20-1246-1			DATA LANGUAGE/I DISK OPERATING SYSTEM/VIRTUAL STORAGE (DL/I DOS/VS) GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5746-XX1
74	**GB20-1249-0			HEALTH CARE SUPPORT/ELECTROCARDIOGRAM (ECG) ANALYSIS GENERAL INFORMATION MANUAL - PROGRAM NUMBERS 5734-H11 AND 5736-H15
64	**SB20-1252-0	**SN20-3070		EPIC: BUDGET/FINANCE OPERATIONS GUIDE - PROGRAM NUMBER 5735-E93
64	**SB20-1253-0	**SN20-3071		EPIC: BUDGET/FINANCE USER'S GUIDE - PROGRAM NUMBER 5735-E93
80	**GH20-1260-0			INFORMATION MANAGEMENT SYSTEM VIRTUAL STORAGE (IMS/VS) GENERAL INFORMATION MANUAL PROGRAM NUMBER 5740-XX2
82	**SB20-1262-1			BUSINESS ANALYSIS/BASIC FOR ITF MANUAL - PROGRAM PRODUCT 5734-XMB
82	**SB20-1264-2			BUSINESS ANALYSIS/BASIC (CALL-OS) MANUAL
74	**GB20-1265-0			HEALTH CARE SUPPORT/ELECTROCARDIOGRAM (ECG) ANALYSIS PROGRAM PHYSICIANS GUIDE - PROGRAM NUMBERS 5736-H15 AND 5734-H11
81	**SB20-1268-0			THE CICS FEATURE (6024-6028) OF THE DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR, PROGRAM AND OPERATIONS MANUAL PROGRAM PRODUCT 5736-XX4
74	**SB20-1270-0			HEALTH CARE SUPPORT/ELECTROCARDIOGRAM (ECG) ANALYSIS PROGRAM PROGRAM REFERENCE MANUAL AND OPERATIONS GUIDE
82	**GH20-1271-0			PROG. NOS. 5734-H11 (OS, OS/VS) AND 5736-H15 (DOS, DOS/VS) ADVANCED STATISTICAL ANALYSIS PROGRAM (ASTAP)
80	**GH20-1272-0			GENERAL INFORMATION MANUAL - PROG. NO. 5796-PBH
80	**GH20-1273-0			DATA BASE DESIGN EVALUATION (DBPROTOTYPE) GENERAL INFORMATION MANUAL - IUP NUMBER 5796-PBB
80	**GH20-1273-0			PROGRAMMING LANGUAGE FOR IMS-PLIMS GENERAL INFORMATION MANUAL - IUP NUMBER 5796-PBF
74	**SB20-1276-0			SELF-STUDY IMPLEMENTATION COURSE FOR HEALTH CARE SUPPORT ECG PROGRAM PRODUCT - PROG. NOS. 5734-H11 AND 5736-H15
81	**GH20-1280-0			CUSTOMER INFORMATION CONTROL SYSTEM (CICS/VS) GENERAL INFORMATION MANUAL PROGRAM NUMBERS CICS/OS/VS 5740-XX1 AND CICS/DOS/VS 5746-XX3
64	**SB20-1281-0			EPIC: STUDENT RECORD SYSTEM FOR EDUCATIONAL INSTITUTIONS OPERATIONS GUIDE PROGRAM NUMBER 5735-E94
64	**SB20-1282-0			EPIC: FAST STUDENT TESTING SYSTEM FOR EDUCATIONAL INSTITUTIONS OPERATIONS GUIDE - PROGRAM NUMBER 5735-E92
64	**SB20-1283-0			EPIC: FAST STUDENT TESTING SYSTEM FOR EDUCATIONAL INSTITUTIONS USER'S MANUAL - PROG. NO. 5735-E92
64	**SB20-1284-0			EPIC: STUDENT - STUDENT RECORD SYSTEM FOR EDUCATIONAL INSTITUTIONS USER'S GUIDE - PROGRAM NUMBER 5735-E94
36	**GB20-1289-0			ASYMMETRIC MULTIPROCESSING SYSTEM - OPERATIONS MANUAL PROGRAM NUMBER 360A-CX-15X

36	**GH20-1290-0		SYMMETRIC MULTIPROCESSING SYSTEM - MESSAGES AND CODES MANUAL PROGRAM NUMBER 360A-CX-15X
36	**GH20-1291-0		ASYMMETRIC MULTIPROCESSING SYSTEM - APPLICATION PROGRAMMER'S MANUAL - PROGRAM NUMBER 360A-CX-15X
36	**GH20-1292-0		IBM SYSTEM/360 AND SYSTEM/370 ASP VERSION 3 ASYMMETRIC MULTIPROCESSING SYSTEM - SYSTEM PROGRAMMER'S MANUAL PROG. NO. 360A-CX-15X
67	**SH20-1300-0		DEMAND DEPOSIT ACCOUNTING WITH OVERDRAFT BANKING SYSTEM/360-370 DOS - THE PLANTERS NATIONAL BANK AND TRUST COMPANY ROCKY MOUNT, NORTH CAROLINA PROGRAM DESCRIPTION/OPERATIONS MANUAL - PROG. NO. 5796-AEL
80	**SH20-1303-0		DBPROTOTYPE PROGRAM DESCRIPTION/OPERATIONS MANUAL - IUP NUMBER 5796-PBB
80	**SH20-1304-1		PROGRAMMING LANGUAGE FOR IMS - PLIMS PROGRAM DESCRIPTION/OPERATIONS MANUAL - IUP NUMBER 5796-PBF
80	**SH20-1305-0		IMSMAP - DATA BASE MAPPING PROGRAMS - PROGRAM DESCRIPTION/ OPERATIONS MANUAL - IUP NUMBER 5796-PBC
80	**SH20-1306-0		BTS (BATCH TERMINAL SIMULATOR) PROGRAM DESCRIPTION/OPERATIONS MANUAL - IUP NUMBER 5796-PBB
80	**SH20-1307-1#		TEST IMS UTILITIES PROGRAM DESCRIPTION/OPERATIONS MANUAL IUP NUMBER 5796-PBE
75	**SH20-1314-0	**SN20-2703	MULTICOLUMN DISTILLATION PROGRAM - PROGRAM DESCRIPTION OPERATIONS MANUAL - IUP NUMBER 5796-PAH
63	**SH20-1321-0		DISTRIBUTION ORDER ENTRY SYSTEM LAG DRUG COMPANY CHICAGO, ILLINOIS - PROGRAM DESCRIPTION/OPERATIONS MANUAL PROG. NO. 5796-ABT
80	**SH20-1328-0		RESPONSIBILITY ACCOUNTING SYSTEM - THE PHILADELPHIA NATIONAL BANK - PROGRAM DESCRIPTION/OPERATIONS MANUAL PROGRAM NO. 5796-ACA
71	**SH20-1405-0		ALPHA SEARCH INQUIRY SYSTEM PROGRAM REFERENCE MANUAL
71	**SH20-1406-0		ALPHA SEARCH INQUIRY SYSTEM OPERATIONS GUIDE
74	GH20-4001-1		SHAS COMPATIBLE TELEPROCESSING SPECIFICATION SHEET PROGRAM NUMBER 5736-H13
72	GH20-4005-1		OS/360 REQUIREMENTS PLANNING PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5734-M51
79	GH20-4006-0		LEARN ATS-DOS: PROGRAM PRODUCT SPEC., PROG. NO. 5736-XX3 PROGRAM NUMBER 5736-XX3
79	GH20-4007-0		LEARN ATS-OS: PROGRAM PRODUCT SPEC., PROG. NO. 5734-XX8 PROGRAM NUMBER 5734-XX8
72	GH20-4008-0		OS/360 INVENTORY CONTRCL PROGRAM NUMBER 5734-M52 SPECIFICATION SHEETS
72	GH20-4012-0		SYSTEM/360 REQUIREMENTS PLANNING INTERFACE PROGRAM NUMBER 5736-M13
72	**GH20-4013-0		SYSTEM/360 CAPACITY PLANNING--FINITE LOADING: PROGRAM PRODUCT SPECIFICATIONS, PROG. NO. 5736-M12
72	GH20-4014-0		SYSTEM/360 CAPACITY PLANNING - INFINITE LOADING PROGRAM PRODUCT SPEC'S PROG. NO. 5736-M11
71	GH20-4015-0		CFO AUTOCODER TO ASSEMBLER LANGUAGE INSTRUCTION SET TRANSLATOR (CATALIST) PROGRAM NUMBER 5736-XX2
78	**GH20-4016-2		TARIFF PUBLISHING SYSTEM (BCUND TARIFFS) PROGRAM PRODUCT SPEC'S, PROG. NO. 5736-T21
76	GH20-4017-1		POWER SYSTEM PLANNING PROGRAM SPECIFICATIONS SHEETS PROGRAM NUMBER 5736-U12
74	GH20-4019-0		MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) VERSION 2 SPECIFICATIONS SHEET - PROGRAM NUMBER 5736-H11
74	GH20-4021-0		SHARED LABRATORY INFORMATION SYSTEM (SLIS) PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5736-H12
63	GH20-4022-0		CONSUMER GOODS SYSTEMS (COGS) - ALLCCATION PROGRAM PRODUCT SPECIFICATIONS, PROG. NO. 5736-D31
63	GH20-4023-0		THE CONSUMER GOODS SYSTEMS (COGS) - FORECASTING PROGRAM NUMBER 5736-D32
38	GH20-4026-0		SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM WITH DISK OS (RAX-DOS) PROGRAM NUMBER 5799-AAA SPECIFICATION SHEET
80	**GH20-4028-2		DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR PROGRAM PRODUCT SPECIFICATIONS, PROG. NO. 5736-XX4
71	**GH20-4031-1		PALIS ADDITIONAL FILE FACILITY VERSION 1 MODIFICATION LEVEL 1 SPECIFICATIONS - PROGRAM PRODUCT 5736-N22
30	GH20-4032-0		FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL - LOW CORE (FASTER LC) SPECIFICATIONS - PROGRAM NUMBER 5736-G22
83	**GH20-4035-2		GENERAL PURPOSE SIMULATION SYSTEM V-OS (GPSS V-OS) PROGRAM NUMBER 5734-XS2
73	GH20-4037-1		SYSTEM/360 TEXT PROCESSOR PAGINATION/360 PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-K12
30	GH20-4039-0		DIRECT ACCESS TERMINAL APPLICATION (DATA/360-DOS) PROGRAM NUMBER 5736-XS2
83	GH20-4040-0		GENERAL PURPOSE SIMULATION SYSTEM V-DOS (GPSS V-DOS) PROGRAM NUMBER 5736-XS3
78	GH20-4041-0		IBM VEHICLE SCHEDULEING PROGRAM - EXTENDED (OS) PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-XM5
78	GH20-4042-0		IBM VEHICLE SCHEDULING PROGRAM - EXTENDED (DOS) PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-XM3
81	GH20-4043-0		CUSTOMER INFORMATION CMTRCL SYSTEM OS - STANDARD (CICS/OS) AND LANGUAGE AND TERMINAL FEATURE (L/T) NO. 6004, 6005, OR 6006, PROGRAM PRODUCT SPECIFICATIONS, PROG. NO. 5736-U11
67	GH20-4044-1		SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM (ACIP) PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-F32
22	**GH20-4046-1		PAL/360-DOS SPECIFICATIONS - PROGRAM PRODUCT 5736-XM6
22	**GH20-4047-2		AEL/360 OS SPECIFICATIONS - PROGRAM PRODUCT 5734-XM6
63	GH20-4048-0		SYSTEM/360 CONSUMER GCODS SYSTEM (COGS) FORECASTING (OS) PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-D33
63	GH20-4049-0		SYSTEM/360 CONSUMER GOODS SYSTEM (COGS) ALLCCATION (OS) PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-D32

30	GH20-4076-0	SYSTEM/360 GRAPHIC ANALYSIS OF THREE-DIMENSIONAL DATA (OS) PROGRAM PRODUCT FUNCTIONAL DESCRIPTION SHEET PROGRAM PRODUCT 5734-XX2
82	GH20-4079-0	SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE - PS (M44) PROGRAM PRODUCT FUNCTIONAL DESCRIPTION SHEET PROGRAM NUMBER 5736-P71
82	GH20-4080-1	SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE - OS PROGRAM PRODUCT FUNCTIONAL DESCRIPTION, PROG. NO. 5736-P72
81	GH20-4081-0	PROJECT MANAGEMENT SYSTEM/360 VERSION 3 FUNCTIONAL DESCRIPTION SHEET - PROGRAM NUMBER 5734-XE1
70	GH20-4085-0	LAW ENFORCEMENT MANPOWER RESOURCE ALLOCATION SYSTEM (LEMNAS) FUNCTIONAL DESCRIPTION - PROGRAM PRODUCT 5736-G21
67	**GH20-4087-0	FINANCIAL TERMINAL SYSTEM (FTS) FUNCTIONAL DESCRIPTION SHEET PROGRAM PRODUCT 5736-F12
81	**GH20-4089-0	IBM SYSTEM/360 RESOURCE ALLOCATION FOR PROJECT CONTROL SYSTEM/360 FUNCTIONAL DESCRIPTION - PROGRAM PRODUCT 5736-XP2
83	**GH20-4090-0	COMPUTER SYSTEMS SIMULATOR II (CSS II) FUNCTIONAL DESCRIPTION - PROGRAM PRODUCT 5734-XS5
24	GH20-4101-0	ONLINE COBOL SYMBOLIC DEBUG FOR IBM CP-67 SYSTEMS (RPQ) PROGRAM NUMBER 5799-AAE - REFERENCE PRPQ AA0476 PROGRAM PRODUCT SPECIFICATION SHEET
82	**GH20-4102-3	MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) SPECIFICATION SHEET - PROGRAM NUMBER 5734-XM4
81	GH20-4103-0	DISPLAY MANAGEMENT SYSTEM (DMS): PROGRAM PRODUCT SPEC'S PROG. NO. 5734-XC1
81	GH20-4104-0	PROJECT MANAGEMENT SYSTEM IV, PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5734-XP4
30	GH20-4105-0	DIRECT ACCESS TERMINAL APPLICATION (DATA/360-OS) PROGRAM NUMBER 5734-XS3
80	**GH20-4106-4	INFORMATION MANAGEMENT SYSTEM/360 (IMS/360) VERSION 2 SPECIFICATIONS - PROGRAM PRODUCT 5734-XX6
82	GH20-4109-0	PROCEDURE LIBRARY-MATHEMATICS (PL-MATH) PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-XM3
72	GH20-4110-0	OS/360 REQUIREMENTS PLANNING SPECIAL FEATURE #6015 PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-M51
72	GH20-4111-0	OS CAPACITY PLANNING - INFINITE LOADING PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-M53
72	GH20-4112-0	OS CAPACITY PLANNING - FINITE LOADING PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-M54
72	GH20-4113-0	OS SHOP FLOOR CONTROL, PROGRAM NUMBER 5734-M31 PROGRAM PRODUCT SPECIFICATION SHEET
70	GH20-4118-1	IBM BASIC COURTS SYSTEM SPECIFICATIONS SHEETS PROGRAM NUMBER 5736-G26
67	**GH20-4121-2	BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE) SPECIFICATIONS PROGRAM PRODUCT 5736-F31
81	GH20-4122-0	MINIPERT - PROGRAM NUMBER 5734-XP3
78	GH20-4123-0	FARE QUOTE/TICKETING SPECIFICATION SHEET PROGRAM NUMBER 5736-T11
80	**GH20-4124-3	GENERALIZED INFORMATION SYSTEM, VERSION 2 (GIS/2) SPECIFICATIONS SHEET PROGRAM NUMBER 5734-XX1
71	GH20-4127-0	CONSOLIDATED FUNCTIONS ORDINARY II - CFO-II SPECIFICATIONS SHEETS - PROGRAM NUMBER 5736-N13
64	**GH20-4128-1	COURSEWRITER III/DOS VERSION 3 - SPECIFICATION SHEET PROGRAM NUMBER 5736-E11
30	**GH20-4130-1	THE DISK OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL - MULTITHREAD (DOS FASTER MT) PROGRAM NUMBER 5736-G24
81	**GH20-4131-3	CUSTOMER INFORMATION CONTROL SYSTEM/DOS-STANDARD (CICS/DOS- STANDARD), PROG. NO. 5736-XX7, 3330 SUPPORT FEATURE 5003, 5004, 5005: PROGRAM PRODUCT SPECIFICATIONS
72	GH20-4133-1	OS REQUIREMENTS PLANNING EXTENSIONS - SPECIFICATIONS PROGRAMMING RPQ EA6264 - PROGRAM NUMBER 5799-AAV
81	**GH20-4134-3	CUSTOMER INFORMATION CONTROL SYSTEM/DOS ENTRY (CICS/DOS- ENTRY), PROG. NO. 5736-XX6, 3330 SUPPORT FEATURE 5000, 5001, 5002: PROGRAM PRODUCT SPECIFICATIONS
72	GH20-4135-0	3330/2305 APT SUPPORT PROGRAMMING RPQ WB5773 PROGRAM NUMBER 5799-ACZ (PRPQ SPECIFICATIONS)
81	GH20-4136-1	PLANNING SYSTEMS GENERATOR II (PSG II): PROGRAM PRODUCT SPEC'S, PROG. NO. 5734-XT1
65	GH20-4137-0	ELECTRONIC CIRCUIT ANALYSIS PROGRAM II (ECAP-II) FOR THE OPERATING SYSTEM AND 1130 SYSTEM - SPECIFICATIONS SHEET PROGRAM NUMBERS 5734-EE1 AND 5711-EE1
79	GH20-4139-1	STAT/BASIC FOR ITF - SPECIFICATION SHEET PROGRAM 5734-XA3
81	**GH20-4140-4	CUSTOMER INFORMATION CONTROL SYSTEM/OS - STANDARD V2 (CICS/OS - STANDARD V2) SPECIFICATIONS - PROGRAM PRODUCT 5734-XX7
80	GH20-4141-0	BILL PROCESSOR SYSTEMS - IMS/360 BRIDGE PROGRAM NUMBER 5734-XX9
63	GH20-4142-0	FASHION REPORTER PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5736-D11
76	GH20-4144-0	SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR THE ELECTRIC UTILITY INDUSTRY SHORT CIRCUIT RO FEATURE SPECIFICATIONS PROGRAM NUMBER 5736-U12
82	GH20-4146-0	IBM SYSTEM/360 AND SYSTEM/370 SUBROUTINE LIBRARY MATHEMATICS (SL-MATH) SPECIFICATIONS - PROGRAM NUMBER 5736-XM7
70	GH20-4148-0	BACIS (BUDGET ACCOUNTING INFORMATION SYSTEM) FOR PUBLIC INSTITUTIONS - PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5736-G25
30	**GH20-4149-1	THE OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL-MULTITHREAD (OS FASTER MT) PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-G21
80	GH20-4170-1	GENERALIZED INFORMATION SYSTEM, VERSION 2 (GIS/2) DESIGN OBJECTIVES - PROGRAM NUMBER 5734-XX1

67	**GH20-4179-1	CHECKPROCESSING CONTROL SYSTEM (CPCS) DESIGN OBJECTIVES PROGRAM PRODUCT 5734-F11
71	GH20-4199-1#	PALIS ADDITIONAL FILE FACILITY - PROGRAM NUMBER 5736-N22
30	GH20-4203-0	PROGRAM PRODUCT DESIGN OBJECTIVES THE DISK OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL MULTITHREAD (DOS FASTER MT) DESIGN OBJECTIVES - PROGRAM NUMBER 5736-G24
72	**GH20-4228-0	SYSTEM/370 AUTOMATICALLY PROGRAMMED TOOL - PPDO: BASIC POSITIONING (APT-BP) PRG. NO. 5740-M51 INTERMEDIATE CONTOURING (APT-IC), PRG. NO. 5740-M52 ADVANCED CONTOURING (APT-AC), PRG. NO. 5740-M53
80	**GH20-4230-1	DATA LANGUAGE/I DISK OPERATING SYSTEM/VIRTUAL STORAGE (DL/I DOS/VS) - PPDO - PRG. NO. 5746-XX1
71	**GH20-4231-0	ALPHA SEARCH INQUIRY/SYSTEM-PPDO - PROGRAM NUMBER 5736-N14
74	**GH20-4233-0	HEALTH CARE SUPPORT/DATA COMMUNICATIONS PROGRAM DESIGN OBJECTIVES - PROGRAM PRODUCT 5746-H13
74	**GH20-4234-0	HEALTH CARE SUPPORT/ACCOUNTING SYSTEM DESIGN OBJECTIVES PROGRAM NUMBER 5746-H14 - FEATURE 6001 OR 6002
74	**GH20-4235-0	HEALTH CARE SUPPORT/LABORATORY INFORMATION SYSTEM DESIGN OBJECTIVES - PROGRAM PRODUCT 5746-H12
81	**GH20-4236-1	CUSTOMER INFORMATION CONTROL SYSTEM/DOS/VS (CICS/DOS/VS)
81	**GH20-4237-0	CUSTOMER INFORMATION SYSTEM/CS/VS (CICS/CS/VS) DESIGN OBJECTIVES, - PRG. PROD. 5740-XX1
80	**GH20-4238-0	INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/VS) DESIGN OBJECTIVES - PRG. PROD. 5740-XX2
81	**GH20-4241-0	DISPLAY MANAGEMENT SYSTEM II (DMS II CS/VS) DESIGN OBJECTIVES - PROGRAM PRODUCT 5734-XC4
81	**GH20-4242-0	DISPLAY MANAGEMENT SYSTEM II (DMS II DCS/VS) DESIGN OBJECTIVES - PROGRAM PRODUCT 5736-XC4
22	**GH20-4243-0	PROGRAMMING RPQ #WE1191 APL SHARED VARIABLES (APLSV) DESIGN OBJECTIVES - PROGRAM PRODUCT 5799-AJF
64	**GH20-4301-1	COURSEWRITER III/OS VERSION 3 - SPECIFICATION SHEET PROGRAM NUMBER 5734-E13
71	GH20-4302-0	PALIS AUTOMOBILE ENHANCEMENT - SPECIFICATION SHEET PROGRAM NUMBER 5736-N24
83	**GH20-4303-2	CONTINUOUS SYSTEM MODELING PROGRAM (CSMP III) PPS - PROGRAM NUMBER 5734-XS9
67	GH20-4304-1	MARKETABLE SECURITIES INVENTORY SYSTEM PROGRAMMING RPQ MB4259 - SPECIFICATION SHEET - PROGRAM NUMBER 5799-AEY
71	GH20-4307-0	PALIS HOMEOWNERS ENHANCEMENTS - PROGRAM NUMBER 5736-N25 PROGRAM PRODUCT SPECIFICATIONS
82	GH20-4308-1	MATH/BASIC FOR SYSTEM/3 AND ITF (OS, DOS AND TSO) SPECIFICATIONS - PROGRAM PRODUCT 5703-XM2, 5734-XM8
81	GH20-4309-0	PSG II DOS - SPECIFICATIONS, PRG. NO. 5736-XT1
79	GH20-4312-0	STORAGE AND INFORMATION RETRIEVAL SYSTEM SPECIFICATION SHEET (STAIRS) - PROGRAM NUMBER 5734-XR3
64	**GH20-4314-1	INTERACTIVE TRAINING SYSTEM - PROGRAM NUMBER 5734-XXC COURSE STRUCTURING FEATURE 5734-XXC
39	**GH20-4315-0	CPS UNDER TSO PRPQ SPECIFICATIONS PROGRAM NUMBER 5799-ADY
80	**GH20-4316-1	INTERACTIVE QUERY FACILITY (IQF) FEATURE FOR INFORMATION MANAGEMENT SYSTEM (IMS/360) V2 - SPECIFICATION SHEET PRG. PROD. 5734-XX6
64	**GH20-4317-1	EPIC SOCRATES STUDENT SCHEDULING SYSTEM SPECIFICATION SHEET - PRG. NO. 5735-E91
30	**GH20-4318-0	DIRECT ACCESS TERMINAL APPLICATION (DATA/360-11) PPS, PROGRAM NUMBER 5734-XS8
80	**GH20-4320-0	VANCOUVER DATA LANGUAGE-CNE (VANDL-1) SPECIFICATIONS - PROGRAM NO. 5799-AEY
67	**GH20-4321-1	IBM SYSTEM/360 AND SYSTEM/370 CS BUDGETS AND PLANS GENERATOR BUDEPLAN SPECIFICATIONS
64	**GH20-4322-2	EPIC: BUDGET/FINANCE SPECIFICATIONS - PROGRAM NUMBER 5735-E93
67	**GH20-4323-0	IBM SECURITIES ORDER MATCHING (SOM) SPECIFICATIONS - PROGRAM PRODUCT 5734-F32
30	**GH20-4324-0	IBM TELECOMMUNICATIONS CONTROL SYSTEM (TCS) SPECIFICATIONS PROGRAM PRODUCT 5734-F31
81	**GH20-4325-0	SYSTEM/360 AND SYSTEM/370 FORECASTING AND MODELING SYSTEMS SPECIFICATIONS - PROGRAM PRODUCTS 5736-XS4 (DOS VERSION) AND 5734-XS7 (OS VERSION)
82	GH20-4326-1	BUSINESS ANALYSIS/BASIC FOR SYSTEM/3 MDEL 6 AND ITF (OS, DOS, TSO) SPECIFICATIONS - PROGRAM PRODUCTS 5703-XM3 AND 5734-XMB
82	**GH20-4327-0	IBM SYSTEM/360 AND SYSTEM/370 MATRIX GENERATOR AND REPORT WRITER (MGRW) SPECIFICATIONS - PROGRAM PRODUCT 5734-XMC
81	**GH20-4328-0	CICS FEATURE OF DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR SPECIFICATIONS - PROGRAM PRODUCT 5736-XX4
64	**GH20-4331-0	EPIC: STUDENT PROGRAM PRODUCT SPECIFICATION - PROGRAM NUMBER 5735-E94
64	**GH20-4332-0	EPIC: FAST TEST SCORING SYSTEM PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5735-E92
74	**GH20-4333-0	IBM HEALTH CARE SUPPORT/ELECTROCARDIOGRAM (ECG) ANALYSIS PROGRAM PPS - PROGRAM PRODUCTS 5734-H11 AND 5736-H15
71	**GH20-4337-0	ALPHA SEARCH (INQUIRY SYSTEM SPECIFICATIONS) - PROGRAM NUMBER 5736-N14
71	**GH20-4407-0	CFO AUTOCODER TO ASSEMBLER LANGUAGE INSTRUCTION SET TRANSLATOR (CATALIST) - FUNCTIONAL DESCRIPTION PROGRAM PRODUCT 5736-XX2
63	**GH20-4408-0	SYSTEM/360 CONSUMER GOODS SYSTEM (COGS) - ALLOCATION (OS) FUNCTIONAL DESCRIPTION - PROGRAM NUMBER 5734-D32
63	**GH20-4409-0	SYSTEM/360 CONSUMER GOODS SYSTEM (COGS) FORECASTING (OS) FUNCTIONAL DESCRIPTION - PROGRAM NUMBER 5734-D33
63	**GH20-4410-0	CONSUMER GOODS SYSTEM (COGS) ALLOCATION FUNCTIONAL DESCRIPTION - PROGRAM PRODUCT 5736-D31

78	**GH20-4411-0		TARIFF PUBLISHING SYSTEM (BOUND TARIFFS)
74	**GH20-4412-0		FUNCTIONAL DESCRIPTION - PROG. PROD. 5736-T21
			MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) VERSION 2
76	**GH20-4413-0		FUNCTIONAL DESCRIPTION - PROG. PROD. 5736-H11
			POWER SYSTEM PLANNING PROGRAM - FUNCTIONAL DESCRIPTION
67	**GH20-4414-0		PROGRAM PRODUCT 5736-U12
			SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM (ACIP)
72	**GH20-4415-0		FUNCTIONAL DESCRIPTION - PROG. PROD. 5736-F32
			SHOP FLOOR CONTROL FUNCTIONAL DESCRIPTION - PROGRAM PRODUCT
74	GH20-4416-0		5736-M31
			SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM (ACIP)
63	GH20-4417-0		FUNCTIONAL DESCRIPTION - PROG. PROD. 5736-F32
			SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM (ACIP)
63	**GH20-4418-0		FUNCTIONAL DESCRIPTION - PROG. PROD. 5736-F32
			THE CONSUMER GOODS SYSTEM (COGS - FORECASTING FUNCTIONAL
99	**GJD1-0001-0		DESCRIPTION) - PROGRAM PRODUCT - 5736-D32
			SYSTEM/370 MODELS 158/168 SYSGEN ICR OS RELEASE 21.6
99	**GJD1-0010-0	**GSCO-3001	PROGRAM NO. 360S-OS-609
			IBM 3735 MACROS AND UTILITY PROGRAMS - MICROFICHE LISTING
99	GJD1-0015-0		PROGRAM NUMBER 360S-CQ-563
			3830 4-CHANNEL SWITCH SUPPORT (CALTRON) ICR - PROGRAM
00	**GJD1-1010-3#		NUMBER 360-OS-587
			SYSTEM/360 OS PRIMARY CONTROL PROGRAMS - MICROFICHE LISTING
99	GJD1-1011-2#		PROGRAM NUMBERS 360S-CI-505/535/555/566
			OPERATING SYSTEM/360 TIME SHARING OPTION PROGRAM LISTING
99	GJD1-1012-3#		(TSO) PROGRAM NUMBER 360S-CI-555
99	GJD1-1013-3#		SYSTEM/360 OS MVT
			SYSTEM/360 OS DATA MANAGEMENT
99	GJD1-1014-3#	**GSCO-0106	MICROFICHE LISTINGS - PROGRAM NUMBER 360S-DM-508
			SYSTEM/360 OS BASIC DIRECT ACCESS METHOD
99	GJD1-1015-3#	**GSCO-0405	MICROFICHE LISTING - PROGRAM NUMBER 360S-DM-509
			SYSTEM/360 OS REMOTE JOB ENTRY
99	GJD1-1016-3#		MICROFICHE LISTING - PROGRAM NUMBER 360S-RC-536
			SYSTEM/360 OS BTAM
99	GJD1-1017-3#	**GSCO-0505	MICROFICHE LISTINGS - PROGRAM NUMBER 360S-CQ-513
			SYSTEM/360 OS QTAM
99	GJD1-1018-3#		MICROFICHE LISTING - PROGRAM NUMBER 360S-CQ-519
			SYSTEM/360 OS OLTEP
99	GJD1-1019-3#		MICROFICHE LISTINGS - PROGRAM NUMBER 360S-DN-533
			OPERATING SYSTEM/360 CONVERSATIONAL REMOTE JOB ENTRY
99	GJD1-1020-3#		MICROFICHE LISTINGS - PROGRAM NUMBER 360S-RC-551
			SYSTEM/360 OS ISAM
99	GJD1-1021-3#	**GSCO-0256	MICROFICHE LISTINGS - PROG. NO. 360S-IO-526
			SYSTEM/360 OS UTILITIES
99	GJD1-1022-2#		MICROFICHE LISTINGS - PROGRAM NUMBER 360S-UT-506
			OPERATING SYSTEM/360 INDEPENDENT UTILITIES
99	GJD1-1023-3#		MICROFICHE LISTINGS - PROGRAM NUMBER 360S-UT-507
			OPERATING SYSTEM/360 TELEPROCESSING
			COMMUNICATIONS ACCESS METHOD (TCAM)
			PROGRAM LISTING - PROGRAM NUMBER 360S-CQ-548
99	GJD1-1025-0		SYSTEM/360 OS ALGOL COMPILER-F
			MICROFICHE LISTING - PROGRAM NUMBER 360S-AL-531
99	GJD1-1026-0#		SYSTEM/360 OS ALGOL LIBRARY
			MICROFICHE LISTING - PROGRAM NUMBER 360S-LM-532
99	GJD1-1030-0		MICROFICHE - SOURCE LISTING
			SYSTEM/360-OS ASSEMBLER E 360S-AS-036
99	GJD1-1035-3#		MICROFICHE - SOURCE LISTING
			SYSTEM/360-OS ASSEMBLER F 360S-AS-037
99	GJD1-1040-2#		SYSTEM/360 OS COBOL COMPILER-E
			MICROFICHE LISTING - PROGRAM NUMBER 360S-CO-503
99	GJD1-1042-3#		SYSTEM/360 OS ANS COBOL
			MICROFICHE LISTING - PROGRAM NUMBER 360S-CB-545
99	GJD1-1043-3#		SYSTEM/360 OS ANS COBOL LIBRARY
			MICROFICHE LISTING - PROGRAM NUMBER 360S-LM-546
99	GJD1-1044-2		SYSTEM/360 OS COBOL F LIBRARY
			MICROFICHE LISTING - PROGRAM NUMBER 360S-LM-525
99	GJD1-1045-2		SYSTEM/360 OS COBOL COMPILER-F
			MICROFICHE LISTINGS - PROGRAM NUMBER 360S-CB-524
99	GJD1-1048-2		SYSTEM/360 OS COBOL LIBRARY
			MICROFICHE LISTING - PROGRAM NUMBER 360S-LM-504
99	GJD1-1050-0		MICROFICHE - SOURCE LISTING
			SYSTEM/360-OS FORTRAN E IV 360S-FO-092
99	GJD1-1052-3#		SYSTEM/360 OS FORTRAN G IV
			MICROFICHE LISTING - PROGRAM NUMBER 360S-FO-520
99	GJD1-1054-2		OPERATING SYSTEM/360 FORTRAN SYNTAX CHECKER
			MICROFICHE LISTINGS - PROGRAM NUMBER 360S-FO-550
99	GJD1-1055-3#		SYSTEM/360 OS FORTRAN H IV
			MICROFICHE LISTINGS - PROGRAM NUMBER 360S-FO-500
99	GJD1-1058-3#		SYSTEM/360 OS FORTRAN LIBRARY IV
			MICROFICHE LISTINGS - PROGRAM NUMBER 360S-LM-501
99	GJD1-1060-3#		SYSTEM/360 OS PL/1 COMPILER F
			MICROFICHE LISTINGS - PROGRAM NUMBER 360S-NL-511
99	GJD1-1062-3#	**GSCO-2055	SYSTEM/360 OS SERVICE AIDS
			MICROFICHE LISTINGS - PROGRAM NUMBER 360S-DN-554
99	GJD1-1065-3#		OPERATING SYSTEM/360 PL/I SYNTAX CHECKER
			MICROFICHE LISTINGS - PROGRAM NUMBER 360S-PL-552
99	GJD1-1068-3#	**GSCO-1305	SYSTEM/360 OS PL/1 LIBRARY F
			MICROFICHE LISTINGS - PROGRAM NUMBER 360S-LM-512
99	GJD1-1070-0		MICROFICHE - SOURCE LISTING
			SYSTEM/360-OS LINKAGE EDITOR E 360S-ED-510
99	GJD1-1072-3#		SYSTEM/360 OS LINKAGE EDITOR LOADER
			MICROFICHE LISTINGS - PROGRAM NUMBER 360S-LD-547
99	GJD1-1075-3#	**GSCO-1456	SYSTEM/360 OS LINKAGE EDITOR F
			MICROFICHE LISTINGS - PROGRAM NUMBER 360S-ED-521

99 GJD1-1076-3# **GSC0-1507 SYSTEM/360 OS SER0, SER1

99 GJD1-1077-3# **GSC0-1555 MICROFICHE LISTINGS - PROGRAM NUMBER 360S-DN-527
SYSTEM/360 OS RECOVERY MANAGEMENT

99 GJD1-1080-2 MICROFICHE LISTINGS - PROGRAM NUMBER 360S-DN-539
SYSTEM/360 OS SORT MERGE

99 GJD1-1085-2 MICROFICHE LISTINGS - PROGRAM NUMBER 360S-SM-023
SYSTEM/360 OS TESTRAN

99 GJD1-1090-3# **GSC0-1705 MICROFICHE LISTINGS - PROGRAM NUMBER 360S-PT-516
SYSTEM/360 OS GRAPHIC PROGRAMMING SERVICES

99 GJD1-1091-3# **GSC0-1755 MICROFICHE LISTINGS - PROGRAM NUMBER 360S-IO-523
SYSTEM/360 OS GRAPHIC SUB-ROUTINE PROGRAM

99 GJD1-1092-2 MICROFICHE LISTINGS - PROGRAM NUMBER 360S-LM-537
SYSTEM/360 OS SATELLITE GRAPHIC JOB PROCESS

99 GJD1-1093-1 MICROFICHE LISTING - PROGRAM NUMBER 360S-RC-543
SYSTEM/360 OS GRAPHIC JOB PROCESS

99 GJD1-1094-1 MICROFICHE LISTING - PROGRAM NUMBER 360S-RC-541
MICROFICHE - SOURCE LISTING

99 GJD1-1095-2 SYSTEM/360-OS 1130/360 DATA TRANSMISSION 360S-LM-542
SYSTEM/360 OS REPORT PROGRAM GENERATOR

99 GJD1-1096-0 PROGRAM NUMBER 360S-RG-038
MICROFICHE FOR OPERATING SYSTEM RELEASE 20.7 PROGRAMS:
360S-CI-505 360S-CI-535 360S-CI-555 360S-CQ-548
360S-DM-508 360S-DM-509 360S-DN-527 360S-DN-533
360S-DN-554 360S-ED-521 360S-IO-526 360S-LD-547
360S-LM-512 360S-NL-511 360S-UT-506 360S-UT-507

99 GJD1-1097-0 SYSTEM/360 OPERATING SYSTEM RELEASE SUPPORT DOCUMENTATION
(MICROFICHE)

99 GJD1-1098-0 SYSTEM/360 OPERATING SYSTEM RELEASE SUPPORT DOCUMENTATION
(MICROFICHE)

99 GJD1-1100-0 MICROFICHE - SOURCE LISTING
ATTACHED SUPPORT PROCESSOR (ASP) PROGRAM NUMBER 360A-CX-15X

99 GJD1-1310-0 MICROFICHE - SOURCE LISTING
SYSTEM/360 SIMULATOR 1410/7010 360C-SI-754

99 GJD1-1370-0 MICROFICHE - SOURCE LISTING
SYSTEM/360 SIMULATOR 7070/7074 360C-SI-753

99 GJD1-1380-0 MICROFICHE - SOURCE LISTING
SYSTEM/360 SIMULATOR 7080 360C-SI-551

99 GJD1-1390-0 MICROFICHE - SOURCE LISTING
SYSTEM/360 SIMULATOR 7090/7094 360C-SI-750

99 GJD1-1400-0 MICROFICHE - SOURCE LISTING
SYSTEM/360 EMULATOR (MODEL 40) 1401/1410 360C-EU-074

99 GJD1-1410-0 MICROFICHE - SOURCE LISTING
SYSTEM/360 EMULATOR (MODEL 40) 360C-EU-728

99 GJD1-1420-1 IBM 7094 EMULATOR FOR THE SYSTEM/360 MODEL 85 UNDER OS/360
MICROFICHE LISTINGS - PROGRAM NUMBER 360C-EU-734

99 GJD1-1480-2 IBM OPERATING SYSTEM/360 DOS EMULATOR PROGRAM FOR
SYSTEM/370 MODELS 145 AND 155 - PROGRAM NUMBER 360C-EU-738

99 GJD1-1500-0 MICROFICHE - SOURCE LISTING
SYSTEM/360 EMULATOR (MODEL 50) 1410/7010 360C-EU-726

99 GJD1-1510-1 MICROFICHE - SOURCE LISTING
SYSTEM/360 EMULATOR (MODELS 50 AND 65) 7070/7074 360C-EU-725

99 GJD1-1600-0 MICROFICHE - SOURCE LISTING
SYSTEM/360 EMULATOR (MODEL 65) 7040/7044 360C-EU-733

99 GJD1-1620-1 MICROFICHE - SOURCE LISTING
SYSTEM/360 EMULATOR (MODEL 65) 7080 360C-EU-727

99 GJD1-1630-0 MICROFICHE - SOURCE LISTING
SYSTEM/360 EMULATOR (MODEL 65) 7090/7094 360C-EU-729

99 GJD1-1640-1# OPERATING SYSTEM 370/165 OS-7094 INTEGRATED EMULATOR
MICROFICHE LISTINGS - PROGRAM NUMBER 360C-EU-740

99 GJD1-1641-0 SYSTEM/360 OPERATING SYSTEM EMULATOR FOR 7074
ON 370/165 UNDER OPERATING SYSTEM
PROGRAM LISTING MICROFICHE - PROGRAM NUMBER 360C-EU-739

99 GJD1-1642-0 7080 EMULATOR FOR SYSTEM/370 MODEL 165 UNDER OPERATING
SYSTEM/360 - MICROFICHE LISTING - PROGRAM NUMBER 360C-EU-737

99 GJD1-1643-0 EMULATOR FOR 7074 ON S/370 MODEL 155 UNDER OS
MICROFICHE - PROGRAM NUMBER 360C-EU-741

99 GJD1-1700-0 MICROFICHE - SOURCE LISTING
SYSTEM/360 MODEL 44 BASIC PROGRAMMING SUPPORT (BPS)
360F-UT-601

99 GJD1-1720-0 MICROFICHE - SOURCE LISTING
SYSTEM/360 MODEL 44 BASIC PROGRAMMING SUPPORT 360F-IO-613

99 GJD1-1740-0 MICROFICHE - SOURCE LISTING
SYSTEM/360 MODEL 44 1620 SIMULATOR FOR 1620 360C-SI-755

99 GJD1-2000-0 MICROFICHE - SOURCE LISTING
SYSTEM/360 BASIC PROGRAMMING SUPPORT (BPS)
PROGRAM NUMBERS BEGINNING WITH 360P

99 GJD1-2010-0 MICROFICHE - SOURCE LISTING
SYSTEM/360-BOS BASIC OPERATING SYSTEM (COMPLETE)

99 GJD1-2012-0 MICROFICHE - SOURCE LISTING
SYSTEM/360 BOS MACRO LISTINGS, PROGRAM NUMBERS 360B-CL-302,
360B-IO-303, 360B-IO-304, 360B-IO-305
360B-SU-023

99 GJD1-2020-0 MICROFICHE - SOURCE LISTING
SYSTEM/360-TOS CONTROL PROGRAM (COMPLETE)

99 GJD1-2032-2# SYSTEM/360 DISK OPERATING SYSTEM (360N) MACRO LISTINGS

99 GJD1-2035-1 SYSTEM/360 DISK OPERATING SYSTEM
SORT/MERGE - TAPE
MICROFICHE LISTINGS - PROGRAM NUMBER 360N-SM-400

99 GJD1-2036-1 SYSTEM/360 DISK OPERATING SYSTEM
SORT/MERGE - DISK
MICROFICHE LISTINGS - PROGRAM NUMBER 360N-SM-450

99 GJD1-2037-0 SYSTEM/360 DISK OPERATING SYSTEM
BASIC FORTRAN IV
MICROFICHE LISTING - PROGRAM NUMBER 360N-FO-451

99	GJD1-2038-2#			SYSTEM/360 DISK OPERATING SYSTEM
00	GJD1-2039-2			COBOL - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-CB-452
				SYSTEM/360 DISK OPERATING SYSTEM
				SYSTEM CONTROL/IOCS
99	GJD1-2040-1			MICROFICHE LISTINGS - PROGRAM NUMBER 360N-CL-453
				SYSTEM/360 DISK OPERATING SYSTEM
				ISFMS - MICROFICHE LISTING - PROGRAM NUMBERS 360N-IO-457,
				360N-IO-477, 360N-IO-478
99	GJD1-2042-0			MICROFICHE - SOURCE LISTING
				SYSTEM/360-DOS AUTOTEST 360N-PT-459
99	GJD1-2043-1			SYSTEM/360 DISK OPERATING SYSTEM
				RPG/DISK - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-RG-460
99	GJD1-2044-2#			SYSTEM/360 DISK OPERATING SYSTEM
				UTILITY GROUP 1 - MICROFICHE LISTING - PROGRAM 360N-UT-461
99	GJD1-2045-2			SYSTEM/360 DISK OPERATING SYSTEM
				UTILITY GROUP 2
				MICROFICHE LISTINGS - PROGRAM NUMBER 360N-UT-462
99	GJD1-2046-1			SYSTEM/360 DISK OPERATING SYSTEM
				UTILITY GROUP 3
				MICROFICHE LISTINGS - PROGRAM NUMBER 360N-UT-463
99	GJD1-2047-2#			SYSTEM/360 DISK OPERATING SYSTEM
				PL/I - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-PL-464
99	GJD1-2048-2#			SYSTEM/360 DISK OPERATING SYSTEM
				ASSEMBLER - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-AS-465
99	GJD1-2049-2			SYSTEM/360 DISK OPERATING SYSTEM
				ASSEMBLER F - MICROFICHE LISTINGS - PROGRAM 360N-AS-466
99	GJD1-2050-2#			SYSTEM/360 DISK OPERATING SYSTEM
				BTAM - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-CQ-479
99	GJD1-2052-2#			SYSTEM/360 DISK OPERATING SYSTEM
				QTAM - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-CQ-470
99	GJD1-2053-1			SYSTEM/360 DISK OPERATING SYSTEM
				MPS UTILITY MACROS
				MICROFICHE LISTINGS - PROGRAM NUMBER 360N-UT-471
99	GJD1-2054-1			S/360 DISK OPERATING SYSTEM
				VOCABULARY FILE UTILITY PROGRAM - MICROFICHE LISTINGS
				PROGRAM NUMBER 360N-UT-472
99	GJD1-2055-2#			SYSTEM/360 DISK OPERATING SYSTEM
				COMPILER I/O MODULES
				MICROFICHE LISTINGS - PROGRAM NUMBER 360N-IO-476
99	GJD1-2056-2#			SYSTEM/360 DISK OPERATING SYSTEM
				FORTRAN IV MICROFICHE LISTING - PROGRAMS 360N-FO-479, LM-480
99	GJD1-2057-3			SYSTEM/360 DISK OPERATING SYSTEM RELEASE 26 OLTEP
				PROGRAM NUMBER 360N-DN-481
99	GJD1-2058-2			SYSTEM/360 DISK OPERATING SYSTEM
				SORT/MERGE DISK/TAPE
				MICROFICHE LISTINGS - PROGRAM NUMBER 360N-SM-483
99	GJD1-2059-1			SYSTEM/360 DISK OPERATING SYSTEM - MICROFICHE LISTINGS -
				CE SERVICEABILITY PROGRAM
				OLTEP - PROGRAM NUMBER 360N-DN-481
99	GJD1-2060-2#			SYSTEM/360 DISK OPERATING SYSTEM
				ANS COBOL - MICROFICHE LISTING - PROGRAM NUMBER 360N-CB-482
99	GJD1-2063-1#			DISK OPERATING SYSTEM MODEL 155 EMULATOR
				MICROFICHE LISTINGS - PROGRAM NUMBER 360N-EU-490
99	GJD1-2100-1#			EMULATOR FOR 1401/1440/1460 ON THE SYSTEM/370 MODEL 155
				UNDER OS, MICROFICHE LISTING - PROGRAM NUMBER 360C-EU-735
99	GJD1-2150-1#			EMULATOR FOR THE IBM 1401/1440/1460 ON THE SYSTEM/370
				MODEL 155 UNDER OS PROGRAM NUMBER 360C-EU-735
				MICROFICHE LISTINGS
99	**GJD1-4601-1			MODEL 20 EMULATOR ON S/370 USING DOS (V4) - PROGRAM NUMBER
				370N-IC-002
35	**GJD1-4602-0			IBM EMULATOR FOR HONEYWELL SERIES 200 ON SYSTEM/370 USING
				DOS - MICROFICHE - PROGRAM NUMBER 5799-ADT
35	**GJD1-4603-0			IBM EMULATOR FOR RCA 301 ON SYSTEM/370 USING DOS MICROFICHE
				PROGRAM NUMBER 5799-ADR
99	GJD1-4610-0#			MICROFICHE - SOURCE LISTING
				SYSTEM/360 FORTRAN IV TO PL/I LANGUAGE CONVERSION PROGRAM
				360C-CV-710
99	GJD1-4620-0#			MICROFICHE - SOURCE LISTING
				SYSTEM/360 COBOL TO PL/I LANGUAGE CONVERSION PROGRAM
				360C-CV-712
99	GJD1-9000-3#			MICROFICHE - SOURCE LISTING
				SYSTEM/360 USA STANDARD COBOL LANGUAGE CONVERSION PROGRAM
				360C-CV-713
99	GJD1-9030-1			MICROFICHE - SOURCE LISTING
				SYSTEM/360-TSS (CONTROLLED RELEASE I) 360G-CL-627
99	**SJD2-0001-0			MICROFICHE FOR OS/VS2 RELEASE 1.6 REFERENCE LISTINGS
99	SJD2-0010-0			OS/VS2 SMF (5742-SC1-02)
99	SJD2-0020-0			OS/VS2 IEHINITT (5742-SC1-UD)
99	SJD2-0030-0			OS/VS2 IEHSTATR (5742-SC1-UE)
99	SJD2-0040-0	**SSC0-5040	**SSC0-5042	OS/VS2 TAPE ERP/VES (5742-SC1-CC)
99	SJD2-0050-0			OS/VS2 IEBEDIT (5742-SC1-U9)
99	SJD2-0060-0	**SSC0-5062		OS/VS2 IEHLIST (5742-SC1-U2)
99	SJD2-0070-0	**SSC0-5072		OS/VS2 IEHPRGM (5742-SC1-U3)
99	SJD2-0080-0	**SSC0-5082		OS/VS2 CATALOG (5742-SC1-D3)
99	SJD2-0090-0	**SSC0-5092		OS/VS2 SMF SCHEDULER (5742-SC1-00)
99	SJD2-0100-0			OS/VS2 TSO TRACE (5742-SC1-T9)
99	SJD2-0110-0			OS/VS2 PASSWORD PROTECT (5742-SC1-DC)
99	SJD2-0120-0	**SSC0-5122		OS/VS2 TSO UTILITIES (5742-SC1-T2)
99	SJD2-0130-0	**SSC0-5130	**SSC0-5132	OS/VS2 TSO TEST (5742-SC1-T1)
99	SJD2-0140-0			OS/VS2 EXT/PREC/FLT PT SIM (5742-SC1-CP)
99	SJD2-0160-0	**SSC0-5160	**SSC0-5162	OS/VS2 IEHMOVE (5742-SC1-UC)
99	SJD2-0170-0	**SSC0-5172		OS/VS2 IEBCOPY (5742-SC1-U6)
99	SJD2-0180-0	**SSC0-5182		OS/VS2 IEBGENER (5742-SC1-U7)

99	SJD2-0190-0	**SSC0-5192	OS/VS2 IEBUPDTE (5742-SC1-U8)
99	SJD2-0200-0	**SSC0-5202	OS/VS2 IEBTPCH (5742-SC1-UA)
99	SJD2-0210-0	**SSC0-5212	OS/VS2 IEBCOMPR (5742-SC1-UK)
99	SJD2-0220-0	**SSC0-5222	OS/VS2 IEBISAM (5742-SC1-UH)
99	SJD2-0230-0	**SSC0-5232	OS/VS2 IEBDG (5742-SC1-UJ)
99	SJD2-0240-0	**SSC0-5240	OS/VS2 TSO EDIT (5742-SC1-T0)
99	SJD2-0250-0		OS/VS2 IPL (5742-SC1-C1)
99	SJD2-0260-0	**SSC0-5260	OS/VS2 SUPERVISOR (5742-SC1-C5)
		**SSC0-5262	
99	SJD2-0270-0	**SSC0-5263	OS/VS2 RMS (5742-SC1-CE)
		**SSC0-5270	
		**SSC0-5273	
99	SJD2-0280-0	**SSC0-5280	OS/VS2 GSP (5742-SC1-07)
99	SJD2-0290-0	**SSC0-5292	OS/VS2 GAM (5742-SC1-G0)
99	SJD2-0300-0	**SSC0-5300	OS/VS2 DIDOCS (5742-SC1-C4)
		**SSC0-5302	
99	SJD2-0310-0	**SSC0-5310	OS/VS2 DSS (5742-SC1-10)
		**SSC0-5313	
99	SJD2-0320-0	**SSC0-5320	OS/VS2 TSO SUPERVISOR (5742-SC1-T7)
		**SSC0-5321	
99	SJD2-0330-0	**SSC0-5332	OS/VS2 SYSTEM RESTART (5742-SC1-B3)
99	SJD2-0350-0	**SSC0-5350	OS/VS2 ALLOCATION (5742-SC1-B4)
		**SSC0-5352	
99	SJD2-0360-0	**SSC0-5360	OS/VS2 Q MANAGER (5742-SC1-B5)
99	SJD2-0370-0	**SSC0-5370	OS/VS2 INITIATOR (5742-SC1-B6)
		**SSC0-5373	
99	SJD2-0380-0	**SSC0-5380	OS/VS2 TERMINATION (5742-SC1-B7)
99	SJD2-0390-0	**SSC0-5390	OS/VS2 COMMANDS (5742-SC1-B8)
99	SJD2-0400-0	**SSC0-5402	OS/VS2 READER/INTERPRETER (5742-SC1-B9)
99	SJD2-0410-0	**SSC0-5410	OS/VS2 TSO SCHEDULER (5742-SC1-T4)
		**SSC0-5413	
99	SJD2-0420-0	**SSC0-5420	OS/VS2 OBR/SDR/EREP (5742-SC1-CD)
99	SJD2-0430-0	**SSC0-5430	OS/VS2 GTF (5742-SC1-11)
		**SSC0-5433	
99	SJD2-0440-0	**SSC0-5442	OS/VS2 AMASPZAP (5742-SC1-12)
99	SJD2-0450-0	**SSC0-5450	OS/VS2 AMDPRDMP (5742-SC1-13)
		**SSC0-5452	
99	SJD2-0460-0	**SSC0-5460	OS/VS2 AMDSADMP (5742-SC1-15)
99	SJD2-0470-0	**SSC0-5472	OS/VS2 AMAPTFLE (5742-SC1-16)
99	SJD2-0480-0	**SSC0-5480	OS/VS2 AMDPRDME/EDIT (5742-SC1-18)
99	SJD2-0490-0		OS/VS2 3735 MACROS/UTILITY (5742-SC1-22)
99	SJD2-0530-0		OS/VS2 EXTENDED SVC ROUTER (5742-SC1-CF)
99	SJD2-0540-0	**SSC0-5542	OS/VS2 MAPPING MACROS (5742-SC1-01)
99	SJD2-0550-0	**SSC0-5550	OS/VS2 OLTEP (5742-SC1-06)
		**SSC0-5553	
99	SJD2-0560-0	**SSC0-5560	OS/VS2 BTAM (5742-SC1-20)
		**SSC0-5563	
99	SJD2-0570-0	**SSC0-5575	OS/VS2 TCAM (5742-SC1-21)
		**SSC0-5572	
		**SSC0-5571	
		**SSC0-5573	
99	SJD2-0580-0		OS/VS2 IEBTCRIN (5742-SC1-UG)
99	SJD2-0590-0		OS/VS2 3505/3525 (5742-SC1-DD)
99	SJD2-0600-0	**SSC0-5602	OS/VS2 OCR (5742-SC1-D5)
99	SJD2-0640-0	**SSC0-5640	OS/VS2 OVERLAY SUPERVISOR (5742-SC1-C2)
99	SJD2-0650-0	**SSC0-5650	OS/VS2 FETCH (5742-SC1-C7)
99	SJD2-0660-0	**SSC0-5660	OS/VS2 SAM (5742-SC1-D0)
99	SJD2-0670-0	**SSC0-5672	OS/VS2 PAM (5742-SC1-D2)
99	SJD2-0680-0	**SSC0-5682	OS/VS2 MICR (5742-SC1-D6)
99	SJD2-0690-0	**SSC0-5690	OS/VS2 DAM (5742-SC1-D7)
		**SSC0-5693	
99	SJD2-0700-0	**SSC0-5700	OS/VS2 IOS (5742-SC1-C3)
99	SJD2-0710-0	**SSC0-5712	OS/VS2 DASD ERP (5742-SC1-CA)
99	SJD2-0720-0	**SSC0-5720	OS/VS2 UNIT RECORD ERP (5742-SC1-CB)
99	SJD2-0730-0	**SSC0-5731	OS/VS2 TSO SUBRTN TCAM (5742-SC1-T8)
99	SJD2-0740-0	**SSC0-5741	OS/VS2 TSO DATA MANAGEMENT (5742-SC1-T3)
99	SJD2-0750-0	**SSC0-5752	OS/VS2 IBCDMPRS (5742-SC1-I0)
99	SJD2-0760-0	**SSC0-5762	OS/VS2 IBCDASDI (5742-SC1-I1)
99	SJD2-0770-0	**SSC0-5770	OS/VS2 IEHDASDR (5742-SC1-U0)
99	SJD2-0780-0		OS/VS2 IEHATLAS (5742-SC1-UF)
99	SJD2-0790-0	**SSC0-5790	OS/VS2 SYSOUT WRITER (5742-SC1-B2)
99	SJD2-0800-0	**SSC0-5802	OS/VS2 ICAPRTBL (5742-SC1-I2)
99	SJD2-0810-0	**SSC0-5810	OS/VS2 ISAM (5742-SC1-D8)
99	SJD2-0820-0	**SSC0-5820	OS/VS2 CHECKPOINT/RESTART (5742-SC1-09)
99	SJD2-0830-0	**SSC0-5830	OS/VS2 OPEN/CLOSE/EOV (5742-SC1-D1)
99	SJD2-0840-0	**SSC0-5840	OS/VS2 DADSM (5742-SC1-D4)
99	SJD2-0850-0	**SSC0-5850	OS/VS2 LINK LOADGO PROMPTER (5742-SC1-T5)
99	SJD2-0860-0	**SSC0-5860	OS/VS2 LINKAGE EDITOR (5742-SC1-04)
		**SSC0-5862	
99	SJD2-0870-0	**SSC0-5870	OS/VS2 LOADER (5742-SC1-05)
99	SJD2-0880-0	**SSC0-5880	OS/VS2 AMBLIST (5742-SC1-14)
99	SJD2-0890-0	**SSC0-5890	OS/VS2 ASSEMBLER XF (5742-SC1-03)
99	**SJD2-1220-0		OS VS2 VTAM RBL 1.6 - PROG. NO. 5742-SC1-DE
99	**SJD2-2000-1#		IPL OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-C1
99	**SJD2-2001-1#		IOS/OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-C3
99	**SJD2-2002-1#		SUPERVISOR OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-C5
99	**SJD2-2003-0		MAPPING MACROS OS/VS1 RELEASE 2 - PROGRAM NUMBER 5741-SC1-01
99	**SJD2-2004-0		MODULE/MACRO TOTAL SYSTEM INDEX OS/VS1 RELEASE 2
99	**SJD2-2009-1#		SCHEDULER SMF OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-00
99	**SJD2-2010-1#		UNIT RCD ERP OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-CB
99	**SJD2-2014-1#		JEC5 OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-B0

99	**SJD2-2015-1#		I/P STREAM CTL OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-B1
99	**SJD2-2016-1#		O/P STREAM CTL OS/VS1 MICROFICHE LISTING - PROGRAM NUMBER 5741-SC1-B2
99	**SJD2-2017-1#		SYSTEM RESTART OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-B3
99	**SJD2-2018-1#		ALLOCATION OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-B4
99	**SJD2-2019-1#		Q MANAGER OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-B5
99	**SJD2-2020-1#		INITIATOR OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-B6
99	**SJD2-2021-1#		TERMINATION OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-B7
99	**SJD2-2022-1#		COMMANDS OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-B8
99	**SJD2-2023-1#		INTERPRETER OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-B9
99	**SJD2-2024-1#		OS/VS1 RESTART RDR/DSDR PROCESSING (5741-SC1-BD)
99	**SJD2-2025-1#		SYSTEM LOG OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-BE
99	**SJD2-2026-1#		WTP OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-BF
99	**SJD2-2027-1#		MSI OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-BG
99	**SJD2-2028-1#		IMCJOBQD OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-17
99	**SJD2-2030-1#		DIDOCs OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-C4
99	**SJD2-2031-1#		GAM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-G0
99	**SJD2-2032-1#		GSP OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-07
99	**SJD2-2033-1#		RMS OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-CE
99	**SJD2-2034-1#		OS/VS1 ASSEMBLER XF (5741-SC1-03)
99	**SJD2-2038-1#		OBR/EREP/RDE OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-CD
99	**SJD2-2041-1#		GTF OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-11
99	**SJD2-2042-1#		HMASPZAP OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-12
99	**SJD2-2043-1#		HMDPRDMP OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-13
99	**SJD2-2044-1#		HMSADMMP OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-15
99	**SJD2-2045-1#		HMAPTPLE OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-16
99	**SJD2-2046-1#		OLTEP OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-06
99	**SJD2-2047-1#		EXTENDED SVC ROUTER OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-CF
99	**SJD2-2048-1#		IEHLIST MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-U2
99	**SJD2-2049-1#		BTAM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-20
99	SJD2-2050-0	**SSC0-7550	OS/VS1 TCAM LEVEL 2 (5744-AW1)
99	SJD2-2051-0	**SSC0-7552	OCR OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-D5
99	**SJD2-2053-1#		IEBTCRIN OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-UG
99	**SJD2-2054-1#		CHECKPOINT RESTART OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-09
99	**SJD2-2055-1#		FETCH OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-C7
99	**SJD2-2056-1#		OVERLAY SUPERVISOR MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-C2
99	**SJD2-2057-1#		SAM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-D0
99	**SJD2-2058-1#		OPEN/CLOSE/EOV OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-D1
99	**SJD2-2059-1#		PAM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-D2
99	**SJD2-2060-1#		DADSM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-D4
99	**SJD2-2061-1#		MICR OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-D6
99	**SJD2-2062-1#		DAM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-D7
99	**SJD2-2063-1#		ISAM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-D8
99	**SJD2-2064-1#		JAM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-D9
99	**SJD2-2067-1#		DASD ERP OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-CA
99	**SJD2-2068-1#		OS/VS1 LINKAGE EDITOR MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-04
99	**SJD2-2069-1#		LOADER OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-05
99	**SJD2-2074-1#		OS/VS1 JES COMPATIBILITY INTERFACE (5741-SC1-DB)
99	**SJD2-2076-1#		HMBLIST OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-14
99	**SJD2-2077-1#		IBCDMPRS OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-I0
99	**SJD2-2078-1#		IBCDASDI MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-I1
99	**SJD2-2079-1#		ICAPRTBL MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-I2
99	**SJD2-2080-1#		IEHDASDR OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-U0
99	**SJD2-2081-1#		IEHOSUP OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-U1
99	**SJD2-2082-1#		IEHATLAS OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-UF
99	**SJD2-2084-1#		CRJE OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-0A
99	**SJD2-2085-1#		IEBCOPY OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-U6

99	**SJD2-2086-1#			OS/VS1 IEBGENER (5741-SC1-U7)
99	**SJD2-2087-1#			IEBUPDTE OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-U8
99	**SJD2-2088-1#			IEBPTPCH OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-UA
99	**SJD2-2089-1#			OS/VS1 IEBCOMPR (5741-SC1-UK)
99	**SJD2-2090-1#			IEBISAM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-UH
99	**SJD2-2091-1#			IEBDG OS/VS1 MICROFICHE LISTING COMPONENT NUMBER 5741-SC1-UJ
99	**SJD2-2092-1#			IEHMOVE OS/VS1 MICROFICHE LISTING COMPONENT NUMBER - 5741-SC1-UC
99	**SJD2-2094-1#			SMF OS/VS1 MICROFICHE LISTING COMPONENT NUMBER - 5741-SC1-02
99	**SJD2-2096-1#			OS/VS1 IEHPROGM (5741-SC1-U3)
99	**SJD2-2097-1#			OS/VS1 IEHINITT (5741-SC1-UD)
99	**SJD2-2098-1#			OS/VS1 IEHSTATR (5741-SC1-UE)
99	**SJD2-2099-1#			CATALOG OS/VS1 MICROFICHE LISTING COMPONENT NUMBER - 5741-SC1-D3
99	**SJD2-2100-1#			PASSWORD PROTECT OS/VS1 MICROFICHE LISTING COMPONENT NUMBER - 5741-SC1-DC
99	**SJD2-2101-1#			TAPE ERP/VES OS/VS1 MICROFICHE LISTING COMPONENT NUMBER - 5741-SC1-CC
99	SJD2-2102-0			IEBEDIT OS/VS1 MICROFICHE LISTING COMPONENT NUMBER - 5741-SC1-U9
99	**GJD2-4001-0			DOS/360 BTAM MICROFICHE LISTING - PROGRAM NUMBER 360N-CQ-469
99	**GJD2-4002-0			370 DOS BTAM, MICROFICHE LISTING, PROG. NO. 370N-CQ-469
99	**GJD2-4100-0	**GSC0-8000	**GSC0-8003	IBM 3705 SYSTEM SUPPORT PACKAGE FOR OS - MICROFICHE LISTING PROG. NO. 360H-TX-035
99	**GJD2-4101-0	**GSC0-8006	**GSC0-8007	IBM 3705 SYSTEM SUPPORT PACKAGE FOR DOS - MICROFICHE LISTING - PROGRAM NUMBER 360H-TX-036
99	**GJD2-4102-3	**GSC0-8004		3705 EMULATOR UNDER OS - MICROFICHE LISTING - PROGRAM NUMBER 360H-TX-033
99	SJD2-4103-0	**GSC0-8002	**SSC0-8005	3705-OS/VS-ASM PROGRAM LISTING MICROFICHE INDEPENDENTLY DISTRIBUTED PROGRAM 5744-AN1
99	**SJD2-4104-3	**SSC0-8008		IBM 3705 EMULATOR PROGRAM FOR VIRTUAL STORAGE - MICROFICHE PROGRAM NUMBER 360H-TX-033
99	**GJD2-4105-0	**GSC0-8009		IBM 3705 NETWORK CONTROL PROGRAM
14	GL19-0003-1			CUSTOM SYSTEM DESCRIPTION: IBM 2970 MODEL 8 BANK TERMINAL, RPQ 858230
14	GL21-9071-0	GN21-0131		IBM 2501 CARD READER, MODELS A AND B RPQ FEATURES
14	GL22-6871-3			IBM SYSTEM/360 2911 MANUAL SWITCHING UNIT MODELS 1, 2, and 5 AND 2989 REMOTE SWITCHING CONSOLE SPECIAL SYSTEMS FEATURE
14	GL22-6901-1			IBM 2937 MODELS 1, 2, AND 3, MULTIPLIER-SUMMATION PROCESSOR, SPECIAL SYSTEM FEATURE, RPQ 880626
14	GL22-6902-0			IBM SYSTEM/360 MODEL 40 SUM OF PRODUCTS INSTRUCTION - RPQ W12561 SPECIAL SYSTEMS FEATURE
14	GL22-6903-0			IBM SYSTEM/360 MODEL 40, HALFWORD TRANSLATE INSTRUCTION - RPQ W13462 SPECIAL SYSTEMS FEATURE
14	GL22-6904-0			IBM SYSTEM/360 MODEL 40, TABLE ADDRESS CHAINING - RPQ W13518 SPECIAL SYSTEMS FEATURE
15	GL22-6928-0	GN22-0353		IBM AIRLINES RESERVATION SYSTEM, REMOTE EQUIPMENT INSTALLATION MANUAL - PHYSICAL PLANNING
15	GL22-6936-1			IBM 2914 SWITCHING UNIT MODEL 1, RPQ 880882, CUSTOM FEATURE: INSTALLATION MANUAL - PHYSICAL PLANNING
14	GL22-6937-1#			IBM SYSTEM/360 CUSTOM FEATURE DESCRIPTION 2914 SWITCHING UNIT MODEL 1 - RPQ 880882
14	GL22-6940-1			IBM 2969 PROGRAMMABLE TERMINAL INTERCHANGE MODEL 1--RPQ888117
15	GL22-6945-1			IBM 2969 PROGRAMMABLE TERMINAL INTERCHANGE MODEL 1, RPQ 888117 - INSTALLATION MANUAL - PHYSICAL PLANNING
14	GL22-6960-0	GN22-0374		IBM RESERVATION SYSTEM CUSTOM FEATURE DESCRIPTION
14	GL22-6979-1	**GN22-0445		IBM 2947 MODEL 4 CHECK COLLECTION CONTROLLER (RPQ 888264) FUNCTIONAL CHARACTERISTICS - REFERENCE MANUAL
15	GL22-6982-0			IBM 2947 CHECK COLLECTION CONTROLLER MODEL 4 (RPQ 888264) INSTALLATION MANUAL PHYSICAL PLANNING
14	GL22-7015-0			IBM 7441-1/1980-9 CUSTOM TERMINAL FUNCTIONAL CHARACTERISTICS OPERATING PROCEDURES AND PHYSICAL PLANNING
14	GL24-3570-0	GN24-0477		IBM 2946 TERMINAL CONTROL SUBSYSTEM COMPONENT DESCRIPTION AND OPERATING GUIDE
15	GL24-3571-2	**GN24-0503	**GN24-0506	IBM 2946 TERMINAL CONTROL SUBSYSTEM INSTALLATION MANUAL PHYSICAL PLANNING
14	**GL24-3591-1			IBM 2927 TAPE-TO-PRINTER UNIT RPQ 812390 & 812391 COMPONENT DESCRIPTION
15	**GL24-3592-1			IBM 2927 TAPE-TO-PRINTER UNIT, RPQ 812390 AND 812391: INSTALLATION MANUAL - PHYSICAL PLANNING
15	**GL24-3596-3			IBM 2922 PROGRAMMABLE TERMINAL RPQ'S 810563, 810564, 810565 INSTALLATION MANUAL--PHYSICAL PLANNING
14	**GL24-3597-1#			IBM 2922 PROGRAMMABLE TERMINAL (RPQ 810563, 810564 AND 810565) COMPONENT DESCRIPTION AND OPERATING PROCEDURES
14	GL24-3597-0#	**GN24-0500		2905 REMOTE MULTIPLEXER COMPONENT DESCRIPTION
14	GL27-3009-1			IBM SYSTEM/360 CUSTOM SYSTEMS UNIT, 2905 REMOTE MULTIPLEXER, 2906 TRANSMISSION CONTROL, INSTALLATION MANUAL - PHYSICAL PLANNING
15	GL27-3010-0			CUSTOM SYSTEM DESCRIPTION: IBM 2740-1/2950-2 BATCH BUFFER TERMINAL SYSTEMS REFERENCE
14	GL27-3022-1			IBM 2740-1/2950-2 BATCH BUFFER TERMINAL INSTALLATION MANUAL - PHYSICAL PLANNING
15	GL27-3025-1			IBM SYSTEM/360 OPERATING SYSTEM RELEASE 20 MFT GUIDE A FIXED NUMBER OF TASKS (MFT) PROGRAM NUMBER 360S-CI-505
34	GQ27-6939-8			OS/VS ICL SERVICES
36	GQ28-0617-1			OS STORAGE ESTIMATES (PRIOR RELEASE)
34	GQ28-6551-12	**GN28-2455		

34	**GQ28-6554-11	**GN26-0637		OS/360 SYSTEM GENERATION
36	GQ28-6628-6	GN28-2464		OS SYSTEM CONTROL BLCCKS (PRIOR EDITION)
39	GQ28-6631-10	GN28-2461		OS MESSAGES AND CODES (PRIOR EDITION)
36	GQ28-6646-4	GN27-1350		OS SUPERVISOR SERVICES AND MACRC INSTRUCTIONS (PRIOR EDITION)
37	GQ28-6650-4			IBM SYSTEM/360 OPERATING SYSTEM RELEASE 20 ON-LINE TEST EXECUTIVE PROGRAM SYSTEMS REFERENCE LIBRARY MANUAL - PROGRAM NUMBER 360S-DN-533
30	**GQ28-6680-4			OS/360 TAPE LABELS
36	GQ28-6703-1			IBM SYSTEM/360 OPERATING SYSTEM RELEASE 20 JOB CONTROL LANGUAGE USER'S GUIDE
34	GQ28-6720-2	GN28-2460		OS MVT GUIDE (PRIOR EDITION)
30	**GQ30-2034-1			OS/V5 TCAM PROGRAMMER'S GUIDE - PROGRAM NUMBER 5742-SC1-21
40	**GQ38-0120-1			OPERATOR'S LIBRARY: OS/V5 CONSOLE CONFIGURATIONS
40	**GQ38-1004-1			OS/V5 MESSAGE LIBRARY: RCUTING AND DESCRIPTOR CODES
32	**GQ38-1005-1			OS/V5 MESSAGE LIBRARY UTILITIES MESSAGES
37	**GQ38-1006-1			OS/V5 MESSAGE LIBRARY: SERVICE AIDS AND OLTEP MESSAGES
30	**SQ66-3785-1			OS/V5 OPEN/CLOSE/EOV LCGIC
36	GQ68-6660-6			OS MVT JOB MANAGEMENT - PLM (PRIOR EDITION)
30	**SQ75-0003-1			OS/V5 CATALOG MANAGEMENT LOGIC
01	SR20-1078-3			SYSTEM/360 - 370 OPERATOR'S REFERENCE GUIDE
85	**GR20-4260-1			INTRODUCTION TO VIRTUAL STORAGE IN SYSTEM/370 STUDENT TEXT
30	**GT00-0001-0	**GN21-5124	**GN21-5154	OS IBM 1285, 1287 AND 1288 OPTICAL READER DATA MANAGEMENT MACROS AND SERVICES (PRIOR EDITION)
30	GT00-0002-0	GN26-0631	GN26-0624	OS DATA MANAGEMENT SERVICES (PRIOR EDITION)
21	GT00-0003-0	GN33-8100		OS ASSEMBLER (F) PROGRAMMER'S GUIDE PROGRAM NUMBER 360S-AS-037 (PRIOR EDITION)
30	GT00-0004-0			OS GRAPHIC PROGRAMMING SERVICES FOR THE IBM 2260 DISPLAY STATION - PROGRAM NUMBER 360S-IO-523 (PRIOR EDITION)
34	GT00-0005-0			OS MFT GUIDE - PROGRAM NUMBER 360S-CI-505 (PRIOR EDITION)
21	GT00-0006-0			OS ASSEMBLER LANGUAGE - PROGRAM NUMBERS 360S-AS-036 360S-AS-037 (PRIOR EDITION)
31	GT00-0007-0	GN28-0435	GN28-0474	OS LINKAGE EDITOR AND LOADER PROGRAM NUMBERS 360S-ED-521, 360S-ED-510 AND 360S-LD-547 (PRIOR EDITION)
		GN28-0272	GN28-0423	
33	GT00-0008-0	GN33-8096		OS SORT/MERGE - PROGRAM NUMBER 360S-SM-023 (PRIOR EDITION)
36	GT00-0009-0	GN28-2494		OS DATA MANAGEMENT FOR SYSTEM PROGRAMMER'S GUIDE PROGRAM NUMBER 360S-CI-555 (PRIOR EDITION)
34	GT00-0010-0	GN28-2495	GN28-2499	OS STORAGE ESTIMATE (PRIOR RELEASE)
34	GT00-0011-0	GN26-0634	GN26-0635	OS SYSTEM GENERATION (PRIOR RELEASE)
		GN26-0627	GN26-0629	
31	GT00-0012-0	GN35-0001	GN35-0003	OS UTILITIES - PROGRAM NUMBERS 360S-UT-506, 360S-UT-507 (PRIOR EDITION)
26	GT00-0013-0			OS ALGOL LANGUAGE
36	GT00-0014-0			OS SYSTEM CONTROL BLOCKS (PRIOR EDITION)
39	GT00-0015-0	GN28-2501		OS MESSAGES AND CODES (PRIOR EDITION)
36	GT00-0016-0			OS SUPERVISOR SERVICES AND MACRO INSTRUCTIONS (PRIOR EDITION)
37	GT00-0017-0			OS ON-LINE TEXT EXECUTIVE PROGRAM (PRIOR EDITION)
36	GT00-0018-0	GN28-2457	GN28-2472	OS PROGRAMMER'S GUIDE TO DEBUGGING (PRIOR EDITION)
30	GT00-0019-0	GN26-0625		OS TAPE LABELS (PRIOR EDITION)
39	GT00-0020-0	GN28-2463	GN28-2473	OS SYSTEM/360 OPERATING SYSTEM OPERATOR'S REFERENCE MANUAL (PRIOR EDITION)
		GN28-2500		
39	GT00-0021-0	GN28-2502	GN28-2497	OS TSO GUIDE
36	GT00-0022-0			OS JOB CONTROL LANGUAGE REFERENCE MANUAL (PRIOR EDITION)
36	GT00-0023-0	GN26-0620	GN26-0623	OS ADVANCED CHECKPOINT/RESTART (PRIOR EDITION)
34	GT00-0024-0	GN35-0002		OS SYSTEMS MANAGEMENT FACILITIES (PRIOR EDITION)
37	GT00-0025-0	GN28-2478		OS SERVICE AIDS (PRIOR EDITION)
34	GT00-0026-0			OS MVT GUIDE (PRIOR EDITION)
34	GT00-0027-0	GN28-2514	GN28-2516	OS RELEASE GUIDE (PRIOR EDITION)
		GN28-2498	GN28-2496	
39	GT00-0028-0	GN28-2480	GN28-2503	OS TSO COMMAND LANGUAGE REFERENCE (PRIOR EDITION)
37	GT00-0029-0			OS RDE GUIDE (PRIOR EDITION)
39	GT00-0030-0	GN28-2483		OS TSO TERMINAL USER'S GUIDE (PRIOR EDITION)
39	GT00-0031-0	GN28-2484		OS TSO GUIDE TO WRITING A TERMINAL MONITOR PROGRAM OR A COMMAND PROCESSOR (PRIOR EDITION)
38	GT00-0032-0	GN30-2547	GN30-2555	OS REMOTE JOB ENTRY (PRIOR EDITION)
38	GT00-0033-0	**GN30-2543		OS CONVERSATIONAL RJE CONCEPTS AND FACILITIES (PRIOR EDITION)
38	GT00-0034-0	GN30-2549		OS CONVERSATIONAL RJE TERMINAL USER'S GUIDE (PRIOR EDITION)
38	GT00-0035-0	GN30-2548		OS CONVERSATIONAL RJE SYSTEM PROGRAMMER'S GUIDE (PRIOR EDITION)
30	**GT00-0036-0			OS TCAM PROGRAMMER'S GUIDE AND REFERENCE MANUAL - PROGRAM NUMBER 360S-CQ-548
26	GT00-0037-0	GN33-8091		OS ALGOL PROGRAMMER'S GUIDE (PRIOR EDITION)
37	**GT00-0038-0			IBM OPERATING SYSTEM/360 REFERENCE CARD: SERVICE AIDS
30	GT00-0039-0	GN21-5123	GN21-5136	OS IBM 1285, 1287, 1288 OPTICAL READERS - PLM (PRIOR EDITION)
		GN21-5155		
30	GT00-0040-0			OS GRAPHICS ACCESS METHOD - PLM (PRIOR EDITION)
36	GT00-0041-0	GN28-2468		OS JOB MANAGEMENT WITH MFT-PLM (PRIOR EDITION)
31	GT00-0042-0			OS MACHINE CHECK HANDLER FOR S/370 MODEL 155, 165-PLM (PRIOR EDITION)
39	GT00-0043-0			OS TSO CONTROL PROGRAM - PLM (PRIOR EDITION)
36	GT00-0044-0	GN27-1349	GN27-1364	OS MFT SUPERVISOR - PLM (PRIOR EDITION)
31	GT00-0045-0			OS MACHINE CHECK HANDLER FOR S/370 MODELS 135, AND 145 PLM (PRIOR EDITION)
24	GT00-0046-0	GN28-0416	GN28-0400	OS AMERICAN NATIONAL STANDARD COBOL - PLM (PRIOR EDITION)
33	GT00-0047-0	GY33-8030		OS SORT/MERGE - PLM (PRIOR EDITION)
30	GT00-0048-0			OS SEQUENTIAL ACCESS METHOD - PLM (PRIOR EDITION)
30	GT00-0049-0	GN26-8006	GY35-0002	OS CATALOG MANAGEMENT - PLM (PRIOR EDITION)
		GY35-0007		
30	GT00-0050-0			OS DIRECT ACCESS DEVICE SPACE MANAGEMENT - PLM (PRIOR EDITION)

30	**GT00-0051-0	**GN26-8015		OS/360 OPEN/CLOSE/EOV LOGIC - PROGRAM NUMBER 360S-DM-508
31	**GT00-0052-0	GY35-0001		OS UTILITIES - PLM (PRIOR EDITION)
30	**GT00-0053-0			OS INPUT/OUTPUT SUPERVISOR - PLM (PRIOR EDITION)
30	**GT00-0054-0			OS BASIC DIRECT ACCESS METHOD - PLM (PRIOR EDITION)
30	**GT00-0055-0			OS INDEXED SEQUENTIAL ACCESS METHODS - PLM (PRIOR EDITION)
37	**GT00-0056-0			OS ON-LINE TEST EXECUTIVE PROGRAM - PLM (PRIOR EDITION)
36	**GT00-0057-0	GN27-1354	GN27-1363	OS MVT SUPERVISOR - PLM (PRIOR EDITION)
36	**GT00-0058-0			OS MVT JOB MANAGEMENT - PLM (PRIOR EDITION)
36	**GT00-0059-0	GN27-1344	GN27-1353	OS INITIAL PROGRAM LOADER AND INITIALIZATION PROGRAM - PLM (PRIOR EDITION)
31	**GT00-0060-0	GN28-0434		OS LINKAGE EDITOR (F) - PLM (PRIOR EDITION)
39	**GT00-0061-0			OS TSO TERMINAL MONITOR PROGRAM AND SERVICE ROUTINES - PLM (PRIOR EDITION)
38	**GT00-0062-0	GY30-2550	GY30-2553	OS CONVERSATIONAL RJE - PLM (PRIOR EDITION)
39	**GT00-0063-0	GN28-2485		OS TSO COMMAND PROCESSOR VOL. 3 - PLM (PRIOR EDITION)
39	**GT00-0064-0	GN27-1356	GN27-1362	OS OPERATOR'S GUIDE FOR DISPLAY CONSOLE
30	**GT00-0065-0	**GY30-2566		OS TCAM PLM - PROGRAM NUMBER 360S-CQ-548
32	**GT00-0066-0			OS/360 UTILITIES (PCP ONLY) - PROGRAM NUMBERS 360S-UT-506,507
24	**GT00-0067-0	**GN28-0437	**GN28-0473	ANS COBOL PROGRAMMER'S GUIDE - PROGRAM NUMBERS 360S-CB-545 AND 360S-LM-546
30	**GT00-0069-0	**GN28-0408	**GN28-0422	OS BTAM PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-OS-601
30	**GT00-0070-0	**GY30-2552	**GY30-2564	OS TCAM PROGRAMMER'S GUIDE AND REFERENCE MANUAL - PROGRAM NUMBER 360S-CQ-548
34	**GT00-0071-0	**GN28-2530	**GN28-2532	OS/360 RELEASE 21 GUIDE
34	**GT00-0072-0			OS/360 RELEASE 21 GUIDE
39	**GT00-0073-0	**GN28-2523		OS/360 TSO GUIDE TO WRITING A TERMINAL MONITOR PROGRAM OR A COMMAND PROCESSOR
39	**GT00-0074-0	**GN28-2524		OS/360 TSO TERMINAL MONITOR PROGRAM AND SERVICE ROUTINES LOGIC - PROGRAM NUMBER 360S-CI-555
30	**GT00-0076-0	**GN30-2561		OS TCAM CONCEPTS AND FACILITIES - PROGRAM NUMBER 360S-CQ-548
36	**GT00-0077-0			OS/360 JOB CONTROL LANGUAGE USERS GUIDE
39	**GT00-0111-0			OS/360 TSO GUIDE
39	**GT00-0112-0			OS/360 TSO COMMAND LANGUAGE REFERENCE
34	**GT00-0113-0			OS/360 STORAGE ESTIMATES
36	**GT00-0114-0			OS/360 SYSTEM CONTROL BLOCKS
36	**GT00-0115-0			OS/360 JOB CONTROL LANGUAGE REFERENCE
40	**GT00-0116-0			OS/360 MESSAGES AND CODES
30	**GT00-0117-0			OS/360 DATA MANAGEMENT FOR SYSTEM PROGRAMMERS
34	**GT00-0118-0			OS/VS SYSTEM MANAGEMENT FACILITIES (SMF)
31	GT00-0119-0			OS/360 MACHINE CHECK HANDLER FOR SYSTEM/370 MODELS 155, 165 PLM
36	**GT00-0120-0	**GN27-1378		OS/360 MFT SUPERVISOR PLM
36	**GT00-0121-0	**GN27-1379		OS/360 MVT SUPERVISOR PLM
34	**GT00-0122-0			OS/360 RELEASE 21.6 GUIDE
32	**GT00-0123-0			OS/360 UTILITIES
37	**GT24-5086-2	**GN28-2535		DOS OLTEP RELEASE 26 - PROG. NO. 360N-DN-481
34	**GT24-5090-0	**GN24-5454		OS/VS1 PLANNING AND USE GUIDE - PROGRAM NUMBER 5741
37	**GT24-5093-0			OS/VS1 DEBUGGING GUIDE
34	**GT24-5094-0			OS/VS1 STORAGE ESTIMATES
34	**GT24-5095-0			DOS TO OS/VS1 IMPLEMENTATION GUIDE
21	**GT26-3756-4	**GN33-8075		OS ASSEMBLER (F) PROGRAMMER'S GUIDE 360S-AS-037 PRIOR ED.
34	**GT26-3791-0			OS/VS1 SYSTEM GENERATION REFERENCE
34	**GT26-3792-0	**GN26-0760		OS/VS2 SYSTEM GENERATOR REFERENCE
30	**GT26-3799-0			OS/VS ACCESS METHOD (VSAM) PLANNING GUIDE
40	GT27-6949-1	GN27-1374		OS/360 OPERATOR'S GUIDE FOR DISPLAY CONSOLE
30	**GT27-6980-0	**GN27-1397		OS/VS BTAM
32	**GT28-0601-0			OS/VS2 RELEASE 1 GUIDE
37	**GT28-0638-0			OS/VS, SYS1.LOGREC ERROR RECORDING
24	**GT28-6396-2	**GN28-0439	**GN28-0428	IBM SYSTEM/360 OPERATING SYSTEM USA STANDARD COBOL
00	GT28-6514-6	**GN28-0478		
		**GN33-8072		IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER LANGUAGE PROGRAM NUMBERS 360S-AS-037, 360S-AS-036 BACK LEVEL
20	**GT28-6534-2	**GN28-2458	**GN28-2450	IBM SYSTEM/360 OPERATING SYSTEM INTRODUCTION (BACK LEVEL)
20	**GT28-6535-7	**GN28-2436		IBM SYSTEM/360 OPERATING SYSTEM CONCEPTS AND FACILITIES MANUAL - BACK LEVEL
33	GT28-6543-5	GN33-8070	GN33-8054	IBM SYSTEM/360 OPERATING SYSTEM SORT/MERGE PROGRAM NUMBER 360S-SM-023 BACK LEVEL
36	GT28-6550-8	GN28-2437	GN28-2452	OS DATA MANAGEMENT FOR SYSTEM PROGRAMMER'S GUIDE PROGRAM NUMBER 360S-CI-555 (PRIOR EDITION)
34	GT28-6551-11	GN28-2456	**GN26-0750	OS STORAGE ESTIMATE (PRIOR RELEASE)
34	GT28-6554-9	GN28-2438	GN26-0613	OS SYSTEM GENERATION (PRIOR RELEASE)
32	GT28-6586-11	GN28-2439		OS UTILITIES PROGRAM NUMBERS 360S-UT-506, 360S-UT-507 (PRIOR EDITION)
36	GT28-6628-5			OS SYSTEM CONTROL BLOCKS (PRIOR EDITION)
39	GT28-6631-9	GN28-2429	GN28-2440	OS MESSAGES AND CODES (PRIOR EDITION)
20	**GT28-6644-5			IBM SYSTEM/360 OPERATING SYSTEM MASTER INDEX
36	**GT28-6646-3			OS SUPERVISOR SERVICES AND MACRC INSTRUCTIONS PRIOR ED.
36	**GT28-6647-4			IBM SYSTEM/360 OPERATING SYSTEM SUPERVISOR AND DATA MANAGEMENT MACRO INSTRUCTIONS
37	**GT28-6650-3			IBM SYSTEM/360 OPERATING SYSTEM ONLINE TEST EXECUTIVE PROGRAM - PROGRAM NUMBER 360S-DN-533 BACK LEVEL
36	GT28-6670-3#			OS PROGRAMMER'S GUIDE TO DEBUGGING (PRIOR EDITION)
30	GT28-6680-2			OS TAPE LABELS (PRIOR EDITION)
39	GT28-6691-1	GN28-2433	GN28-2444	OS SYSTEM/360 OPERATING SYSTEM OPERATOR'S REFERENCE MANUAL (PRIOR EDITION)
39	GT28-6698-2			OS TSO GUIDE (PRIOR EDITION)
36	GT28-6703-0			IBM SYSTEM/360 OPERATING SYSTEM JOB CONTROL LANGUAGE
36	GT28-6704-0	GN28-2451		OS JOB CONTROL LANGUAGE REFERENCE MANUAL (PRIOR EDITION)
34	GT28-6712-6			OS/360 SYSTEM MANAGEMENT FACILITIES
37	GT28-6719-0			OS SERVICE AIDS (PRIOR EDITION)
34	GT28-6730-0	GN28-2465		OS RELEASE GUIDE (PRIOR EDITION)

37	**GT28-6747-2			OS/360 RELIABILITY DATA EXTRACTOR USER'S GUIDE
39	**GT28-6762-0	**GN28-2487		OS/MVT AND OS/VS2 TSO TERMINALS MANUAL
32	**GT28-6768-1			OS TIME SHARING OPTION DATA UTILITIES: COPY FORMAT LIST
29	GT28-6825-1			MERGE PROGRAM PRODUCT SPECIFICATIONS - PROG. NO. 5734-UT1
29	GT28-6830-0			IBM SYSTEM/360 OPERATING SYSTEM, DISK OPERATING SYSTEM
29	ST28-6833-0			INTERACTIVE TERMINAL FACILITY: PLI AND BASIC
34	ST28-6836-0	SN28-0410	SN28-0418	GENERAL INFORMATION - PROGRAM NUMBERS 5736-RC1, 5736-RC2
30	**GT30-2005-2	**GN30-2526		IBM SYSTEM/360 DISK OPERATING SYSTEM INTERACTIVE TERMINAL
30	**GT30-2024-0	**GN30-2558		FACILITY: PL/I AND BASIC - PROGRAM NUMBERS 5736-RC1, RC2
30	GT30-2025-0			IBM SYSTEM/360 OS/DOS ITF: PL/I INTRODUCTION PROGRAM
40	**GT38-0110-0			NUMBERS 5734-RC1, 5736-RC1
30	**GT38-0255-0			IBM SYSTEM/360 OS/DOS ITF INSTALLATION REFERENCE MATERIAL
40	**GT38-1001-0			PROGRAM NUMBERS 5734-RC1, 5734-RC3, 5736-RC1, 5736-RC2
40	**GT38-1003-0			IBM SYSTEM/360 OPERATING SYSTEM QUEUED TELECOMMUNICATIONS
40	GT40-0788-1			ACCESS METHOD MESSAGE CONTROL PROGRAM - SYSTEMS REFERENCE
36	GT60-0305-2			LIBRARY - PROGRAM NUMBER 360S-CQ-519
37	**GT64-5154-2			IBM SYSTEM/360 OPERATING SYSTEM TELECOMMUNICATIONS ACCESS
36	**ST64-5155-0			METHOD PROGRAMMER'S GUIDE AND REFERENCE MANUAL
30	**ST64-5156-0			PROGRAM NUMBER 360S-CQ-548
36	**ST64-5159-0			OS TCAM USER'S GUIDE
36	**ST64-5160-0			OPERATORS LIBRARY: OS/VS1 REFERENCE MANUAL
36	**ST64-5161-0	**GY33-8028		OPERATOR'S LIBRARY: OS/VS1 DISPLAY CONSOLES
21	**GT66-3700-1			OS/VS MESSAGE LIBRARY: VS1 SYSTEM MESSAGES
30	**ST66-3787-0	**SN26-8023		OS/VS MESSAGE LIBRARY: SYSTEM CODES
30	**ST66-3823-0			CALL/360-OS TERMINAL OPERATIONS MANUAL PROGRAM NUMBER
31	**GT67-7184-0	**GN27-1332		360A-CX-42X
37	**ST67-7239-0	**SN27-1399		SYSTEM/360 ATTACHED SUPPORT PROCESSOR SYSTEM (ASP)
36	**ST68-0605-0			VERSION 2 SYSTEM MANUAL PROGRAM NUMBER 360A-CX-15X
37	**ST68-0639-0			DOS OLTEP LOGIC RELEASE 26 - PROG. NO. 360N-DN-481
30	GT68-6604-3	GN26-8009		OS/VS1 SUPERVISOR LOGIC
30	GT68-6607-6	GN26-8012		OS/VS I/O SUPERVISOR LOGIC
30	**GT68-6609-4			OS/VS CATALOG MANAGEMENT LOGIC
31	GT68-6614-6#	GY35-0006		OS/VS1 IPL AND NIP LOGIC
30	GT68-6616-7	GN26-8013		OS/VS1 JOB MANAGEMENT LOGIC
30	GT68-6617-4	GN26-8007		IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER F
30	GT68-6618-3	GN26-8001		PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-AS-037
37	**GT68-6651-2			OS/VS DADSM LOGIC
36	GT68-6661-3			OS/VS2 I/O SUPERVISOR LOGIC
31	GT68-6667-0	GY28-6404	GY28-6401	IBM SYSTEM/360 OPERATING SYSTEM MACHINE CHECK HANDLER
31	**GT68-6714-0	**GY28-2401	**GY28-6405	FOR IBM SYSTEM/360 MODEL 85
20	**GT68-6717-2	**GN28-0482		PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-DN-539
25	**GT68-6831-0	**GN28-2447		OS/VS RECOVERY MANAGEMENT SUPPORT LOGIC
36	LT68-6832-0	LN28-0409		COMPONENT NOS. 5741-SC1-CE AND 5742-SC1-CE
36	LT68-6833-0	LN28-0417		OS/VS1 SYSTEM DATA AREAS
36	LT68-6834-0			OS/VS SYS1.LOGREC ERROR RECORDING LOGIC
20	LT68-6840-0			OS SEQUENTIAL ACCESS METHOD - PLM (PRIOR EDITION)
30	**ST70-2039-1			IBM SYSTEM/360 OPERATING SYSTEM DIRECT ACCESS DEVICE
29	ST88-6813-0			SPACE MANAGEMENT - PROGRAM LOGIC MANUAL
23	ST88-6814-0			PROGRAM NUMBER 360S-AS-037
89	GX20-1702-1#			IBM SYSTEM/360 OPERATING SYSTEM INPUT/OUTPUT SUPPORT
01	GX20-1703-9#			(OPEN/CLOSE/EOV) PROGRAM LOGIC MANUAL
				PROGRAM NUMBER 360S-DM-508
				OS UTILITIES - PLM (PRIOR EDITION)
				IBM SYSTEM/360 OPERATING SYSTEM: INPUT/OUTPUT
				SUPERVISOR PROGRAM LOGIC MANUAL
				PROGRAM NUMBER 360S-CI-505
				OS BASIC DIRECT ACCESS METHOD - PLM (PRIOR EDITION)
				IBM SYSTEM/360 OPERATING SYSTEM INDEXED SEQUENTIAL
				ACCESS METHOD - PROGRAM LOGIC MANUAL
				PROGRAM NUMBER 360S-IO-526
				IBM SYSTEM/360 OPERATING SYSTEM ON-LINE TEST
				EXECUTIVE PROGRAM - PROGRAM LOGIC MANUAL
				PROGRAM NUMBER 360S-DN-533
				OS INITIAL PROGRAM LOADER AND INITIALIZATION PROGRAM - PLM
				(PRIOR EDITION)
				OS LINKAGE EDITOR (F) - PLM (PRIOR EDITION)
				IBM SYSTEM/360 OPERATING SYSTEM LOADER
				PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-LD-547
				OS/360 MASTER INDEX PROGRAM LOGIC MANUAL
				IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV SYNTAX CHECKER
				PROGRAM NUMBER 360S-FO-550
				IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC MANUAL
				INTRODUCTION AND METHOD OF OPERATION
				PROGRAM NUMBERS 5734-RC1, RC3; 5736-RC1, RC2
				(PREVIOUS RELEASE)
				IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC MANUAL
				INITIALIZATION SYSTEM CONTROL AND SYSTEM SUPPORT
				PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 5734-RC1,
				5734-RC3, 5736-RC1, 5736-RC2
				IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC LANGUAGE
				COMPONENT CONTROLLER PROGRAM LOGIC MANUAL
				PROGRAM NUMBERS 5734-RC1, 5734-RC3, 5736-RC1, 5736-RC2
				IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC MANUAL
				PROGRAM NUMBERS 5734-RC1, 5734-RC3, 5736-RC1, 5736-RC2
				OS/VS TCAM LOGIC
				IBM SYSTEM/360 OS/DOS ITF: PL/I REFERENCE CARD
				PROGRAM NUMBERS 5734-RC1, 5736-RC1
				IBM SYSTEM/360 OPERATING SYSTEM IBM SYSTEM/360 DISK
				OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY BASIC
				REFERENCE CARD, PROGRAM NUMBERS 5736-RC2, 5734-RC3
				PROPORTIONAL RECORD LAYOUT FORM
				IBM SYSTEM/360 REFERENCE DATA CARD

07	GX20-1704-1	IBM 2321 DATA CELL DRIVE
07	GX20-1705-2	IBM 2311 DISK CELL DRIVE REFERENCE CARD
32	GX20-1709-2	IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT - BASIC UTILITIES REFERENCE CARD PROGRAM NUMBERS 360P-UT-017, 360P-UT-018, 360P-UT-019, 360P-UT-020
07	GX20-1710-2	IBM 2314 DIRECT ACCESS STORAGE FACILITY CAPACITY AND TRANSMISSION TIME REFERENCE CARD
89	GX20-1711-1#	IBM SYSTEM/360 RECORD LAYOUT WORKSHEET
07	GX20-1717-1	IBM 2301 DRUM STORAGE
67	**GX20-1736-0	OPTIMUM BOND BIDDING WORKSHEET PROGRAM NUMBER 360A-FI-06X
04	GX20-1741-3	IBM 1287 OPTICAL READER DOCUMENT TRACING GUIDE
29	GX20-1749-2	IBM SYSTEM/360 DOS/TOS REFERENCE CARD PL/I
89	GX20-1751-0	IBM 2260 DISPLAY FORMAT
13	GX20-1758-0	IBM SYSTEM/360 MODEL 30 1401/1440/1460 COMPATIBILITY FEATURE REFERENCE CARD
04	GX20-1759-3#	IBM 1287 OPTICAL READER DESIGN FORMATS
89	GX20-1761-0	MATHEMATICAL PROGRAMMING INPUT FORM SYSTEM/360 - 1130
36	GX20-1771-2#	IBM SYSTEM/360 REFERENCE DATA DOS JOB CONTROL LANGUAGE OPERATOR COMMUNICATION REFERENCE CARD
64	GX20-1780-1	COURSEWRITER III SYSTEM STUDENT/MONITOR REFERENCE CARD PROGRAM NUMBERS 5734-E12 360A-UX-01X
64	GX20-1781-0	IBM AUTHOR'S COURSEWRITER III REFERENCE CARD PROGRAM NUMBERS 360A-UX-01X, 5734-E12
64	GX20-1782-1	IBM SUPERVISOR'S COURSEWRITER III REFERENCE CARD PROGRAM NUMBERS 5734-E12, 360A-UX-01X
01	GX20-1787-0	DEBUGGING AID DIRECT EVALUATION OF FLOATING POINT NUMBERS IN HEXADECIMAL
74	**GX20-1788-0	CHARGE DESCRIPTION MASTER WORKSHEET PROGRAM NUMBERS 5736-H13, 360A-UH-11X
74	**GX20-1789-0	DOCTOR MASTER FILE - WORKSHEET PROGRAM NUMBERS 360A-UH-11X, 5736-H13
74	**GX20-1790-0	ROOM AND BED MASTER PROG. NCS. 5736-H13, 360A-UH-11X
74	GX20-1807-0	SHARED LABORATORY INFORMATION SYSTEM CLM CODING SHEET PROGRAM NUMBER 5736-H12
74	GX20-1808-0	SHARED LABORATORY INFORMATION SYSTEM CLM CODING SHEET PROGRAM NUMBER 5736-H12
74	GX20-1809-0	SHARED LABORATORY INFORMATION SYSTEM CLM CODING SHEET PROGRAM NUMBER 5736-H12
29	**GX20-1810-3	CALL/360-OS PL/I REFERENCE CARD PROGRAM NUMBER 360A-CX-42X
23	**GX20-1811-3	CALL/360-OS BASIC REFERENCE CARD PROGRAM NUMBER 360A-CX-42X
25	**GX20-1812-3	CALL/360-OS FORTRAN REFERENCE CARD PROGRAM NUMBER 360A-CX-42X
38	**GX20-1817-1#	SYSTEM/360/370 DOS POWER II/RJE VERSION 4 REFERENCE SUMMARY, PROG. NO. 360D-05.2.006
36	GX20-1827-1	SYSTEM/360/370 ASP REFERENCE CARD, PROGRAM NUMBER 360A-CX-15X
83	GX20-1828-0	GENERAL PURPOSE SIMULATION SYSTEM V REFERENCE SUMMARY: BLOCK STATEMENT FORMATS, PROG. NOS. 5734-XS2(OS) AND 5736-XS3(DOS)
83	**GX20-1829-1	GENERAL PURPOSE SIMULATION SYSTEM V REFERENCE SUMMARY: CON- TROL STATEMENT FORMATS, STANDARD NUMERICAL ATTRIBUTES, AND SYSTEM OPTIONS - PROG. NOS. 5734-XS2(OS) AND 5736-XS3(DOS)
40	GX20-1830-0	CALL-OS TERMINAL COMMAND LANGUAGE - REFERENCE CARD PROGRAM NUMBER 360A-CX-42X
64	**GX20-1832-1	COURSEWRITER III VERSION 3 MCNITOR REFERENCE CARD PROGRAM NUMBERS 5736-E11 (DOS) 5734-E13 (OS)
64	**GX20-1833-1	COURSEWRITER III VERSION 3 AUTHOR'S REFERENCE CARD PROGRAM NUMBERS 5736-E11 (DOS) 5734-E13 (OS)
64	**GX20-1834-1	COURSEWRITER III, VERSION 3 STUDENT REFERENCE CARD OPERATING HINTS - PROGRAM NUMBER 5736-E11 (DOS) 5734-E13 (OS)
64	GX20-1835-0	COURSEWRITER III, VER(SION 3 SUPERVISOR'S REFERENCE CARD PROGRAM NUMBERS 5736-E11 (DOS) 5734-E13 (OS)
01	**GX20-1850-1	SYSTEM/370 REFERENCE SUMMARY CARD
09	**GX20-1878-0	IBM 3270 INFORMATION DISPLAY SYSTEM REFERENCE SUMMARY
07	**GX20-1920-0	3330 SERIES DISK STORAGE 3330/3333 MODEL 1 3330 MODEL 2 REFERENCE SUMMARY
23	**GX20-1924-1	IBM VIRTUAL MACHINE FACILITY/370: BASIC LANGUAGE REFERENCE SUMMARY - PROGRAM NUMBER 5749-010
30	**GX20-1925-0	3270 FORMAT MACRO FOR OUTPUT DATA STREAMS FDP NUMBER 5798-AKL
20	**GX20-1926-1	IBM VIRTUAL MACHINE FACILITY/370: QUICK GUIDE FOR USERS REFERENCE SUMMARY - PROGRAM NUMBER 5749
36	**GX20-1927-0	ASP VERSION 3 ASYMMETRIC MULTIPROCESSING SYSTEM - HANDBOOK PROGRAM NUMBER 360A-CX-15X
89	GX20-8020-1	FLOWCHARTING TEMPLATE
89	GX21-9090-2	RPG OUTPUT-FORMAT SPECIFICATIONS (FORM)
89	GX21-9091-2	RPG EXTENSIONS AND LINE COUNTER SPECIFICATIONS SHEET
89	GX21-9092-3	RPG CONTROL CARD AND FILE DESCRIPTION SPECIFICATIONS FORM
89	GX21-9093-2	RPG CALCULATION SPECIFICATIONS SHEET
04	GX21-9106-0	IBM 1288 DOCUMENT GAUGE FOR MACHINE SETUP
89	**GX21-9129-2	RPG DEBUGGING TEMPLATE
15	GX22-6835-1	PHYSICAL PLANNING TEMPLATE IBM SYSTEM/360 HYPERTAPE 2401 - 2404 AND 2415 MAGNETIC TAPE UNITS
05	GX22-6837-5	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 MAGNETIC TAPE UNITS AND CONTROLS
15	GX22-6855-8	PHYSICAL PLANNING TEMPLATE: SYSTEM/360 PROCESSOR MODEL 75 IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 COMMUNICATIONS EQUIPMENT
15	GX22-6856-1	
15	**GX22-6857-7	
15	**GX22-6858-6	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 DATA STORAGE DEVICES

15	**GX22-6859-5		IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 CONSOLES AND TERMINALS
15	**GX22-6860-5		IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 MAGNETIC AND OPTICAL CHARACTER READERS
15	GX22-6894-4#		IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 MODELS 22, 25, 30, AND 40
15	GX22-6905-1		PHYSICAL PLANNING TEMPLATE SYSTEM/360 MODEL 67
15	GX22-6914-1		PHYSICAL PLANNING TEMPLATE SYSTEM/360 PROCESSORS MODELS 44 AND 50
15	GX22-6923-1#		PHYSICAL PLANNING TEMPLATE SYSTEM/360 MODEL 85
15	GX22-6924-0		PHYSICAL PLANNING TEMPLATE SYSTEM/360 MODEL 65 MULTISYSTEM
15	GX22-6925-1#		IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 FIELD ENGINEERING FURNITURE AND TEST EQUIPMENT
			SYSTEM/360 SYSTEM/370 TEST EQUIPMENT ANALYZER FURNITURE BASIC STORAGE MODULE DATA ADAPTER UNIT
15	GX22-6981-0		IBM PHYSICAL PLANNING TEMPLATE SYSTEM/360 MODEL 195
01	GX22-6984-1		IBM SYSTEM/370 MODEL 165 OPERATORS REFERENCE CARD
15	GX22-6985-0		IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 CHANNELS: 2860, 2870, AND 2880
15	GX22-7005-0		IBM PHYSICAL PLANNING TEMPLATE SYSTEM/370 MODEL 145
15	GX22-7006-0		IBM PHYSICAL PLANNING TEMPLATE SYSTEM/370 MODEL 155
15	GX22-7007-1		IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 165
15	GX22-7008-0		IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 135
15	GX22-7018-0		IBM PHYSICAL PLANNING TEMPLATE SYSTEM/360 AND SYSTEM/370
15	**GX22-7021-0		IBM PHYSICAL PLANNING TEMPLATE SYSTEM/370 MODEL 125
15	**GX22-7022-0		IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 168
15	**GX22-7023-0		IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 158
89	GX24-3376-0		IBM 1052 KEY TABS: SYSTEM/360 MODEL 30, 1400 COMPATIBILITY
89	GX24-3406-0		IBM SYSTEM/360 MODEL 30 IBM 2702 WORKSHEET
89	GX24-3407-0		IBM SYSTEM/360 MODEL 30 MULTIPLEXER CHANNEL WORKSHEET
89	GX24-3448-0		IBM 1445 PRINTER SPACING CHART
89	GX24-3477-2		IBM 1400 COMPATIBILITY INITIALIZATION DECK SYSTEM/360 MODEL 30 CODING SHEETS 1 AND 2
89	GX24-3541-0		MULTIPLEXER CHANNEL WORKSHEET - SYSTEM/360 MODEL 25 CONFIGURATION A AND B
89	GX24-5046-0		IBM SYSTEM/360 ASSEMBLER CODING FORM, BPS/BOS/TOS/DOS DTFSR ENTRIES, CARD READ-PUNCH
89	GX24-5047-0		IBM SYSTEM/360 ASSEMBLER CODING FORM, BPS/BOS/TOS/DOS DTFSR ENTRIES, PRINTER AND PRINTER-KEYBOARD
89	GX24-5048-1		IBM SYSTEM/360 ASSEMBLER CODING FORM, BOS/DCS DTFSR ENTRIES, DISK
89	GX24-5055-0		IBM SYSTEM/360 ASSEMBLER CODING FORM, TOS/DOS
01	GX26-1587-0		IBM REFERENCE CARD, DECIMAL/HEXADECIMAL INTEGER CONVERSION CHART
01	GX26-1588-0		IBM REFERENCE CARD, DECIMAL/HEXADECIMAL FRACTION CONVERSION CHART
14	**GX26-1618-0		IBM 2730 TRANSACTION VALIDATION TERMINAL - REFERENCE CARD
15	GX26-5508-0		IBM PHYSICAL PLANNING TEMPLATE SYSTEM/360 PROCESS I/O DEVICES
89	GX27-2901-0		IMAGE PLANNING CHART - 2760 OPTICAL IMAGE UNIT, REGISTRATION PUNCHING ACME
89	GX27-2902-0		IMAGE PLANNING CHART - 2760 OPTICAL IMAGE UNIT REGISTRATION PUNCHING OXBERRY
89	**GX27-2903-1#		2760 LAYOUT GUIDE (REGISTRATION PUNCHING-ACME)
89	**GX27-2904-1#		2760 LAYOUT GUIDE (OXBERRY)
89	**GX27-2905-0		IBM 2760 OPTICAL IMAGE LIMIT AUXILIARY SCREEN OVERLAY GUIDE
89	GX27-2950-0		2250 DISPLAY LAYOUT SHEET
89	**GX27-2951-0		IBM 3270 INFORMATION DISPLAY SYSTEM LAYOUT SHEET
37	**GX28-0634-1#		OS/VS SERVICE AIDS REFERENCE SUMMARY
39	**GX28-0647-0		OS/VS2 TSO COMMAND LANGUAGE REFERENCE SUMMARY
37	**GX28-0690-0		OS/VS DSS COMMAND LANGUAGE REFERENCE SUMMARY CARD
89	GX28-1464-5#		COBOL CODING FORM
24	GX28-1520-0		IBM REFERENCE CARD - COBOL
25	GX28-6384-0		IBM FORTRAN IV REFERENCE CARD
40	GX28-6400-2	GN28-3172	TSS/360 QUICK GUIDE FOR USERS PROGRAM NUMBER 360G-CL-627
36	GX28-6401-1	GN28-3173	TSS/360 QUICK GUIDE FOR SYSTEM PROGRAMMERS: TSSS, ASSEMBLER, CONTROL BLOCKS - REFERENCE SUMMARY, PROG. NO. 360G-CL-627
89	GX28-6506-4		IBM SYSTEM/360 BASIC ASSEMBLER SHORT CODING FORM
89	GX28-6507-4		IBM SYSTEM/360 BASIC ASSEMBLER LONG CODING FORM
89	**GX28-6509-6#		IBM SYSTEM/360 ASSEMBLER CODING FORM
20	GX28-6731-2		OPERATING SYSTEM SUMMARY CHART
37	GX28-6749-3		IBM OPERATING SYSTEM/360 REFERENCE CARD: SERVICE AIDS
39	**GX28-6781-1		IBM S/360 TSO COMMAND LANGUAGE REFERENCE SUMMARY 360S-CI-555 TIME SHARING - S/360 OS - TSO OPERATING SYSTEM/360 - TSO MULTIPROGRAMMING - S/360 OS - TSO OPTION - S/360 OS - TSO CONTROL - S/360 OS - TSO REFERENCE CARD - SOFTWARE COMMAND LANGUAGE TIME SHARING OPTION - COMMAND LANGUAGE
36	GX28-6783-0		IBM OS/360 JOB CONTROL LANGUAGE SYNTAX REFERENCE SUMMARY
37	GX28-6812-0		SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM - FORMATS FOR MACHINE-CHECK INTERRUPTION DIAGNOSTICS
29	SX28-6813-1		IBM SYSTEM/360 OS/DOS ITF: PLI REFERENCE CARD PROGRAM NUMBERS 5734-RC1, 5736-RC1
23	SX28-6814-1		IBM SYSTEM/360 OS/DOS ITF: BASIC, REFERENCE CARD, PROG. NOS. 5734-RC3 AND 5736-RC2
89	GX28-7327-6		FORTRAN CODING FORM
25	**SX28-8193-0		IBM FORTRAN INTERACTIVE DEBUG FOR OS (TSO) AND VM/370 (CMS) REFERENCE CARD - PROGRAM NUMBER 5734-FO5
24	**GX28-8195-0		IBM GUIDE TO AMERICAN NATIONAL STANDARD COBOL REFERENCE CARD
29	GX33-6000-0		IBM SYSTEM/360 OPERATING SYSTEM PL/1 (F) REFERENCE CARD: KEYWORDS
29	SX33-6001-0		DISK OPERATING SYSTEM/360 REFERENCE CARD PL/I OPTIMIZING COMPILER KEYWORDS

29 SX33-6002-0 OS PL/I OPTIMIZING AND CHECKOUT COMPILERS:
KEYWORDS, TERMINAL COMMANDS, AND COMPILER OPTIONS

05 GX35-5001-0 REFERENCE CARD - PROGRAM NUMBERS 5734-PL1, PL2, PL3
IBM SYSTEM/360/370 REFERENCE DATA 2401-2404, 2415, 2420,
AND 3420 MAGNETIC TAPE UNITS

82 **LYA2-5201-0* IBM SYSTEM/360 AND SYSTEM/370 (OS/TSO) MATRIX INTERPRETATIVE
SYSTEM (MATSYS) PROGRAM LISTING - PROGRAM PRODUCT 5734-XM7

82 LYA2-5203-0 IBM SYSTEM/360 AND SYSTEM/370 SUBROUTINE LIBRARY
MATHEMATICS - MICROFICHE LISTING - PROGRAM NUMBER 5736-XM7

78 LYA9-2007-0 IBM VEHICLE SCHEDULING PROGRAM--EXTENDED
(OS) PROGRAM LOGIC MANUAL, VOLUME III PROGRAM LISTINGS -
MICROFICHE, PROGRAM NUMBER 5734-XM5

78 LYA9-2008-0 IBM VEHICLE SCHEDULING PROGRAM -- EXTENDED (DOS) PROGRAM
LOGIC MANUAL, VOLUME III PROGRAM LISTINGS - MICROFICHE
PROGRAM NUMBER 5734-XM5

83 **LYA9-5038-0 SIMULATION LANGUAGE BASED ON PL/1 (SIMPL/1) PROGRAM LOGIC
MANUAL, VOL. II, FLOWCHARTS - PROGRAM NUMBER 5734-XXB

81 GYB0-0304-1 PROJECT CONTROL SYSTEM/360 VERSION 2 MICROFICHE-LISTINGS
PROGRAM NUMBER: 360A-CP-06X

82 GYB0-0347-0 SYSTEM/360 MATRIX LANGUAGE (MATLAN) LISTINGS,
PROGRAM NUMBER 360A-CM-05X

72 GYB0-0348-0 SYSTEM/360 AD-APT/AUTOSPOT (OS)
NUMERICAL CONTROL PROCESSOR: LISTINGS
APPLICATION - PROGRAM NUMBER 360A-CN-12X

82 GYB0-0414-0 LINEAR PROGRAMMING SYSTEM/360 (LPS/360)
COMPILATION/ASSEMBLY LISTINGS MANUAL
MICROFICHE - PROGRAM NUMBER 360A-CO-18X

80 LYB0-0433-2 INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360:
SYSTEM MANUAL, VOLUME III - ASSEMBLY LISTINGS MICROFICHE
PROGRAM NUMBER 5736-CX3, FEATURE CODE 8003

81 LYB0-0454-1 PROJECT MANAGEMENT SYSTEM/360: VERSION 3, LISTINGS -
SYSTEM MANUAL MICROFICHE
PROGRAM NUMBER 5734-XP1 FEATURE CODE 8301

30 **LYB0-0465-0 GRAPHIC ANALYSIS OF THREE DIMENSIONAL DATA (GATD)
SYSTEM MANUAL VOLUME 2 PROGRAM LISTINGS
PROGRAM NUMBER 5734-XX2 - FEATURE CODE 8301

70 LYB0-0480-1 LAW ENFORCEMENT MANPOWER RESOURCE ALLOCATION SYSTEM (LEMRAS)
VOLUME 2 LISTINGS - MICROFICHE
SYSTEM MANUAL PROGRAM NUMBER 5736-G21, FEATURE CODE 8401

78 GYB0-0492-0 SYSTEM/360 VEHICLE SCHEDULING PROGRAM (360A-ST-06X)
LISTINGS - SYSTEM MANUAL

31 GYB0-0507-0 IBM SYSTEM/360 DOS POWER II: LISTINGS - MICROFICHE
PROGRAM NUMBER 360D-05.2.006

99 GYB0-0508-1# IBM SYSTEM/360/370 ATTACHED SUPPORT PROCESSOR (ASP)
VERSION 2 MICROFICHE, PROGRAM NUMBER 360A-CX-15X

36 **GYB0-0512-1 HASP MICROFICHE LISTINGS - PROGRAM NUMBER 360D-05.1.014

32 GYB0-0515-0 2495 UTILITY FOR OS/360 - LISTINGS
PROGRAM NUMBER 360D-00.0.020

38 GYB0-0516-1 CONVERSATIONAL REMOTE BATCH ENTRY (CRBE) VERSION 2:
MOD 8 LISTINGS PROGRAM NUMBER 360D-05.1.016

31 GYB0-0517-2 CONVERSATIONAL PROGRAMMING SYSTEM (CPS) VERSION 5 LISTINGS
PROGRAM NUMBER 360D-03.4.016

38 GYB0-0527-3 SYSTEM/360 DOS POWER II, VERSION 2, WITH
REMOTE JOB ENTRY (RJE) - LISTINGS
PROGRAM NUMBER 360D-05.2.006

99 GYB0-0538-2 CALL-OS VERSION 2 EXECUTIVE & UTILITY LISTINGS
PROGRAM NUMBER 360A-CX-42X

99 GYB0-0540-2 CALL/360-OS (VERSION 1) BASIC ASSEMBLY LISTINGS
PROGRAM NO. 360A-CX-44X (FE #030440)

99 GYB0-0541-2 CALL/360-OS (VERSION 1) FORTRAN ASSEMBLY LISTINGS
PROG. NO. 360A-CX-46X (FE #030460)

99 GYB0-0542-2 CALL/360-OS (VERSION 1) PL/I ASSEMBLY LISTINGS
PROGRAM NO. 360A-CX-45X (FE #030450)

36 GYB0-0592-1 CP-67/CMS CP67 LISTINGS - PROG. NO. 360D-05.2.005

36 GYB0-0593-1 CP-67/CMS, CMS LISTINGS, PROGRAM NUMBER 360D-05.2.005

35 GYB0-0598-0 COMPATIBILITY OPERATING SYSTEM FOR EMULATION OF IBM
1410/7010 DATA PROCESSING SYSTEMS OPERATING ON IBM
SYSTEM/360 MODEL 50 (COS/50) (360D-11.1.025)
LISTINGS

81 LYB0-0617-0 PROJECT MANAGEMENT SYSTEM IV (PMS IV)
COST PROCESSOR ASSEMBLY LISTINGS
PROGRAM NUMBER 5734-XP4, FEATURE CODE 8076

81 LYB0-0618-0 PROJECT MANAGEMENT SYSTEM IV (PMS IV)
NETWORK PROCESSOR ASSEMBLY LISTINGS
PROGRAM NUMBER 5734-XP4, FEATURE CODE 7406

81 LYB0-0619-0 PROJECT MANAGEMENT SYSTEM IV (PMS IV)
RESOURCE ALLOCATION PROCESSOR ASSEMBLY LISTINGS
PROGRAM NUMBER 5734-XP4, FEATURE CODE 8079

81 LYB0-0620-0 PROJECT MANAGEMENT SYSTEM IV (PMS IV)
REPORT PROCESSOR ASSEMBLY LISTINGS
PROGRAM NUMBER 5734-XP4, FEATURE CODE 8070

22 **LYB0-0625-1 APL/360-OS ASSEMBLY LISTINGS, PROGRAM NUMBER 5734-XM6,
FEATURE CODE 8092, FE SERVICE NUMBER 200156

22 **LYB0-0626-1 APL/360 - DOS ASSEMBLY LISTINGS,
PROGRAM NUMBER 5736-XM6, FEATURE CODE 8065,
FE SERVICE NUMBER 200157

80 **LYB0-0631-3 INFORMATION MANAGEMENT SYSTEM/360 (IMS/360) VERS. 2, MOD
LEVEL 3, DATA BASE LISTINGS, VOL 3, PROG. PROD. 5734-XX6

80 **LYB0-0632-3 INFORMATION MANAGEMENT SYSTEM/360, VERSION 2, VOLUME 4,
DATA COMMUNICATION LISTINGS, MICROFICHE
PROGRAM NUMBER 5734-XX6, FEATURE CODE 8083

82 **LYB0-0643-2 MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) MICROFICHE
ASSEMBLY LISTINGS - PROGRAM NUMBER 5734-XM4
FE SERVICE NUMBER 200080

82	LYB0-0644-2			MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX), MIXED INTEGER PROGRAMMING (MIP), PROGRAM NUMBER 5734-XM4, ASSEMBLY LISTING MICROFICHE
64	**LYB0-0720-1			COURSEWRITER III, DOS VERSION 3 LISTINGS - MICROFICHE PROGRAM NUMBER 5736-E11
64	**LYB0-0721-1			COURSEWRITER III; DOS VERSION 3 FLOWCHARTS MICROFICHE - PROGRAM NUMBER 5736-E11
81	LYB0-0724-1#			CUSTOMER INFORMATION CONTROL SYSTEM/DISK OPERATING SYSTEM ENTRY (CICS-DOS E) MICROFICHE LISTING, PRGG. NO. 5736-XX6
81	LYB0-0735-1#			CUSTOMER INFORMATION CONTROL SYSTEM/DISK OPERATING SYSTEM STANDARD (CICS-DOS S) MICROFICHE LISTING, PROG PROD 5736-XX7
81	**LYB0-0781-3			CUSTOMER INFORMATION CONTROL SYSTEM/OPERATING SYSTEM STANDARD (CICS/OS-STANDARD) VERSION 2 PROGRAM LISTINGS MICROFICHE - PROGRAM NUMBER 5734-XX7
64	**LYB0-0784-1			COURSEWRITER III, VERSION 3 OS FLOWCHARTS - MICROFICHE PROGRAM NUMBER 5734-E13
64	**LYB0-0785-1			COURSEWRITER III, VERSION 3 OS LISTINGS - MICROFICHE PROGRAM NUMBER 5734-E13
36	GYB0-0789-0			CONTROL PROGRAM-67/CAMBRIDGE MONITOR SYSTEM (CP-67/CMX) VERSION 3.1 (COMPONENT RELEASE 1) 3420 MAGNETIC TAPE UNITS AND DUAL DENSITY SUPPORT - LISTINGS (MICROFICHE) PROGRAM NUMBER 360D-05.2.005
64	**LYB0-0824-0			INTERACTIVE TRAINING SYSTEM MICROFICHE LISTINGS - PROGRAM NUMBER 5734-XXC
82	**LYB0-0832-0			MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) GENERALIZED UPPER BOUNDING (GOB) MICROFICHE LISTINGS - PROGRAM NUMBER 5734-XM4
80	**LYB0-0834-1			INTERACTIVE QUERY FEATURE (IQF) TO IMS/360: MICROFICHE LISTINGS - PROGRAM NUMBER 5734-XX6
99	**GYB0-0854-0			IBM S/360, 370 ASYMMETRIC MULTIPROCESSING SYSTEM (ASP VERSION 3): LISTINGS MICROFICHE PROGRAM NUMBER 360A-CX-15X
36	**GYB0-0856-0			S/370 HASP II VERSION 4 MICROFICHE - PROGRAM NUMBER 370H-TX-001
80	**LYB0-0864-0			GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) BASIC RETRIEVAL SYSTEM MICROFICHE - PROGRAM NUMBER 5734-XX1
80	**LYB0-0865-0			GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) ARITHMETIC STATEMENT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
80	**LYB0-0866-0			GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) TELEPROCESSING SUPPORT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
80	**LYB0-0867-0			GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) CONTROL STATEMENT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
80	**LYB0-0868-0			GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) PROCESSING STATEMENT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
80	**LYB0-0869-0			GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) FORMAL REPORT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
80	**LYB0-0870-0			GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) HIERARCHICAL FILE SUPPORT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
80	**LYB0-0871-0			GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) UPDATE AND CREATE FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
80	**LYB0-0872-0			GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) UTILITY FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
80	**LYB0-0873-0			GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) EDIT AND ENCODE FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
80	**LYB0-0874-0			GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) FILE MODIFY FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
80	**LYB0-0875-0			GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) DATA LANGUAGE/1 QUERY SUPPORT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
80	**LYB0-0876-0			GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) EXTENDED MULTI-FILE SUPPORT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
99	**SYB0-0900-1#	**SNB0-2921	**SNB0-2923	IBM VM/370: CP MICROFICHE - PROGRAM NUMBER 5749-010
		**SNB0-2925	**SNB0-2927	
		**SNB0-2929		
99	**SYB0-0901-1	**SNB0-2922	**SNB0-2924	IBM VM/370: CMS MICROFICHE - PROGRAM NUMBER 5749-010
		**SNB0-2926	**SNB0-2928	
		**SNB0-2930		
28	LYB1-0450-4			S/360 DOS RPG II COMPILER, LISTINGS, PROG. PROD. 5736-RG1
33	LYC7-0901-0	**LSC0-5301		DOS 01-0 SORT/MERGE LISTINGS - PROGRAM PRODUCT 5743-SM1
28	**LYC7-1317-1	**LNC7-5104		IBM DISK OPERATING SYSTEM REPORT PROGRAM GENERATOR II AUTO REPORT FEATURE - PROGRAM LISTINGS - PROGRAM NUMBER 5736-RG1
32	LYC7-1700-0			DOS/360 ASCII MAGNETIC TAPE UTILITIES PROGRAM LISTINGS PROGRAM NUMBER 5736-UT2
99	GYC7-1900-0	**GNC7-1903		S/370 DISK OPERATING SYSTEM ASSEMBLER D ASSEMBLY LISTINGS PROGRAM NUMBER 370N-AS-465
99	GYC7-1901-0	**GNC7-1901	**GNC7-1904	SYSTEM/370 DISK OPERATING SYSTEM MICROFICHE ASSEMBLY LISTINGS - SYSTEM CONTROL/BASIC IOCS - PROGRAM NUMBER 370N-CL-453
		**GNC7-1922		
99	**GYC7-1902-1#			DOS 27.1 DIRECT ACCESS METHOD, ASSEMBLY LISTINGS, PROG. NO. 370N-IO-454
99	GYC7-1903-0	**GNC7-1905		DOS 27 SEQUENTIAL DISK IOCS MICROFICHE LISTINGS - PROGRAM NUMBER 370N-IO-455
99	GYC7-1904-0	**GNC7-1906		DOS 27 MAGNETIC TAPE IOCS MICROFICHE LISTINGS - PROGRAM NUMBER 370N-IO-456
99	GYC7-1905-0	**GNC7-1907		DOS 27 ISFMS MICROFICHE LISTING - PROGRAM NUMBER 370N-IO-457
99	GYC7-1906-0			DOS-27 PAPER TAPE IOCS - MICROFICHE LISTINGS PROGRAM NUMBER 360N-IO-458
99	GYC7-1907-0	**GNC7-1908	**GNC7-1923	DOS 27 SYSTEM UTILITY PROGRAMS, 370N-UT-491 MICROFICHE LISTING

99	GYC7-1908-0	**GNC7-1909		S/370 DISK OPERATING SYSTEM ENVIRONMENTAL RECORDING AND EDITING PROGRAM 370N-UT-492
99	GYC7-1909-0	**GNC7-1910		S/370 DISK OPERATING SYSTEM BASIC TELECOMMUNICATIONS ACCESS METHOD ASSEMBLY LISTINGS, PROGRAM NUMBER 370N-CQ-469
99	GYC7-1910-0	**GNC7-1911		S/370 DISK OPERATING SYSTEM QUEUED TELECOMMUNICATIONS ACCESS METHOD ASSEMBLY LISTINGS, PROGRAM NUMBER 370N-CQ-470
99	GYC7-1911-0	**GNC7-1900		SYSTEM/370 DISK OPERATING SYSTEM MICROFICHE ASSEMBLY LISTINGS 3735 TERMINAL SUPPORT - PROGRAM NUMBER 370N-CQ-493
99	GYC7-1912-0			SYSTEM/370 DISK OPERATING SYSTEM MICROFICHE ASSEMBLY LISTINGS OLTEP - PROGRAM NUMBER 370N-DN-481
99	GYC7-1913-0	**GNC7-1912		S/370 DISK OPERATING SYSTEM SYSTEM/370 EMULATOR ASSEMBLY LISTINGS - PROGRAM NUMBER 370N-EU-490
99	GYC7-1914-0	**GNC7-1913		SYSTEM/370 DISK OPERATING SYSTEM MICROFICHE ASSEMBLY LISTINGS COMPILER I/O MODULES - PROGRAM NUMBER 370N-IO-476
99	GYC7-1915-0	**GNC7-1914		S/370 DISK OPERATING SYSTEM MAGNETIC CHARACTER READER IOCS 370N-IO-477
99	GYC7-1916-0	**GNC7-1915		S/370 DISK OPERATING SYSTEM OPTICAL CHARACTER READER IOCS ASSEMBLY LISTINGS - PROGRAM NUMBER 370N-IO-478
99	**GYC7-1917-1			SYSTEM/370 DISK OPERATING SYSTEM MICROFICHE ASSEMBLY LISTINGS MICROFICHE INDEX
99	GYC7-1918-0			DOS 27 ASSEMBLER F - MICROFICHE LISTING PROGRAM NUMBER 360N-AS-466
99	GYC7-1919-0			DOS 27 COBOL D - MICROFICHE LISTING PROGRAM NUMBER 360N-CB-452
99	GYC7-1920-0			DOS 27 ANS COBOL - MICROFICHE LISTING PROGRAM NUMBER 360N-CB-482
99	GYC7-1921-0	**GNC7-1916		S/370 DISK OPERATING SYSTEM LANGUAGE CONVERSION PROGRAM ASSEMBLY LISTINGS, PROGRAM NUMBER 360N-CV-489
99	GYC7-1922-0	**GNC7-1917		S/370 DISK OPERATING SYSTEM FORTRAN IV ASSEMBLY LISTINGS - PROGRAM NC. 360N-FO-479
99	GYC7-1923-0			DOS 27 FORTRAN LIBRARY SUB PROGRAM MICROFICHE LISTINGS PROGRAM NUMBER 360N-LM-480
99	GYC7-1924-0	**GNC7-1918		S/370 DISK OPERATING SYSTEM PL/1 ASSEMBLY LISTINGS, PROGRAM NUMBER 360N-PL-464
99	GYC7-1925-0			DOS 27 DISK SORT/MERGE-MICROFICHE LISTINGS - PROGRAM NUMBER 360N-SM-450
99	GYC7-1926-0	**GNC7-1919		S/370 DISK OPERATING SYSTEM MODULAR SORT/MERGE ASSEMBLY LISTINGS PROGRAM NUMBER 360N-SM-483
99	GYC7-1927-0	**GNC7-1920		DOS 27 UTILITIES GROUP I - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-UT-461
99	GYC7-1928-0	**GNC7-1921		S/370 DISK OPERATING SYSTEM GROUP 2 UTILITIES TAPE 360N-UT-462
32	LYC7-2300-2			ASSEMBLY LISTING MICROFICHE FOR TSO DATA UTILITIES - PROGRAM PRODUCT 5734-UT1
32	LYC7-2301-0			SYSTEM/360 OPERATING SYSTEM ASCII UTILITIES ASSEMBLY LISTING MICROFICHE - PROGRAM PRODUCT - PROGRAM NUMBER 5734-UT2
29	LYC7-2500-0	**LNC7-2500	**LNC7-2516	SYSTEM/360 OPERATING SYSTEM PL/I CHECKOUT COMPILER PROGRAM LISTING - PROGRAM NUMBER 5734-PL2
29	LYC7-2501-2	**LNC7-2519		DISK OPERATING SYSTEM/360 PL/I RESIDENT LIBRARY - ASSEMBLY LISTING MICROFICHE PROGRAM NUMBER 5736-LM4
29	LYC7-2502-2	**LNC7-2521		DISK OPERATING SYSTEM/360 PL/I TRANSIENT LIBRARY ASSEMBLY LISTING MICROFICHE - PROGRAM NUMBER 5736-LM5
29	LYC7-2503-3			DISK OPERATING SYSTEM/360 PL/I OPTIMIZING COMPILER ASSEMBLY LISTING MICROFICHE - PROGRAM NUMBER 5736-PL1
29	LYC7-2504-0	**LNC7-2504	**LNC7-2511	SYSTEM/360 OPERATING SYSTEM PL/I RESIDENT LIBRARY MICROFICHE - PROGRAM NUMBER 5734-LM4
29	LYC7-2505-0	**LNC7-2517	**LNC7-2512	OS PL/I TRANSIENT LIBRARY - MICROFICHE, PROG. NO. 5734-LM5
29	LYC7-2505-0	**LNC7-2505		
29	LYC7-2505-0	**LNC7-2518		
29	**LYC7-2506-1			SYSTEM/360 OPERATING SYSTEM PL/I OPTIMIZING COMPILER MICROFICHE LISTINGS - PROGRAM NUMBER 5734-PL1
36	LYC7-5006-0			IBM SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY - MICROFICHE LISTINGS - PROGRAM NUMBERS 5734-RC1, 5734-RC3
36	LYC7-5008-0			IBM SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY - MICROFICHE LISTINGS - PROGRAM NUMBERS 5734-RC1, 5734-RC3
36	LYC7-5009-0			IBM SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY - MICROFICHE LISTINGS - PROGRAM NUMBERS 5734-RC1, 5734-RC3
36	LYC7-5010-0			IBM SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY MICROFICHE LISTINGS - PROGRAM NUMBERS 5734-RC1, 5734-RC3
36	LYC7-5011-0			IBM SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY - MICROFICHE LISTINGS - PROGRAM NUMBERS 5734-RC1, 5734-RC3
25	LYC7-5012-0			SYSTEM/360 DISK OPERATING SYSTEM FORTRAN F LIBRARY PROGRAM PRODUCT LISTING MICROFICHE ASC II - PROGRAM NUMBER 5736-LM1
29	LYC7-5013-0	**LNC7-5013-1		IBM DOS/360 ITF PL/I, LISTINGS - PROG. PROD. 5736-RC1
36	LYC7-5014-0	**LNC7-5014-1		DOS ITF RELEASE II - SHARED ASSEMBLY LISTINGS - MICROFICHE
23	LYC7-5015-0	**LNC7-5015-1		DOS ITF RELEASE II - BASIC ASSEMBLY LISTINGS - MICROFICHE PROG. PROD. 5736-RC2
29	LYC7-5016-0	**LNC7-5016-1		IBM SYSTEM OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY - MICROFICHE LISTINGS PROGRAM NUMBER 5734-RC1
36	LYC7-5017-0	**LNC7-5017-1		IBM OS/360 ITF SHARED - PROG. PROD. 5734-RC1/RC3
23	LYC7-5018-0	**LNC7-5018-1		SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY - BASIC MODULES - MICROFICHE LISTINGS - PROGRAM NUMBER 5734-RC3
25	**LYC7-5019-1	**LNC7-5105		IBM SYSTEM/360/370 FORTRAN IV H EXTENDED COMPILER - PROG. PROD. 5734-FO3
25	LYC7-5020-0	**LNC7-5020	**LNC7-5106	IBM SYSTEM/360/370 FORTRAN IV LIBRARY MOD II - LISTINGS PROG. PROD. 5734-LM3

25	**LYC7-5021-1			SYSTEM/360 OPERATING SYSTEM FORTRAN IV (G1) COMPILER MICROFICHE LISTINGS, PROG. PROD. 5734-FO2
25	LYC7-5022-0	**LNC7-5022		OS 360/370 FORTRAN IV LIBR. MOD I LISTING, P.P. NO. 5734-1M1
24	LYC7-5023-0			SYSTEM/360 OPERATING SYSTEM AMERICAN NATIONAL STANDARD (ANS) COBOL VERSION 3 LISTINGS - PROGRAM NUMBER 5734-CB1
24	**LYC7-5030-1	**LNC7-5030		SYSTEM/360 DISK OPERATING SYSTEM ANS COBCL COMPILER VERSION 3 PROGRAM LISTING MICROFICHE PROGRAM NUMBER 5736-CB2
24	LYC7-5031-1	**LNC7-5092		SYSTEM/360 DISK OPERATING SYSTEM ANS COBOL LIBRARY VERSION 3 PROGRAM PRODUCT LISTING MICROFICHE PROGRAM NUMBER 5736-LM2
25	LYC7-5032-0			SYSTEM/360 TIME SHARING OPTION FORTRAN PROMPTER VERSION 7 PROGRAM NUMBER 5734-CP3
39	LYC7-5033-0	**LNC7-5033		IBM M/360 TSO ITF (PL/I), LISTINGS, PROG. NOS. 5734-RC2, RC4
39	LYC7-5034-0	**LNC7-5034		SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION INTERACTIVE TERMINAL FACILITY (BASIC ONLY) PROGRAM PRODUCT LISTING MICROFICHE - PROGRAM NUMBER 5734-RC4
39	LYC7-5035-0	**LNC7-5035-1		IBM M/360 TSO ITF (SHARED), LISTINGS PROG. NOS. 5734-RC2, 4
25	**LYC7-5036-1			IBM SYSTEM/360/370 CODE AND GO FORTRAN COMPILER - LISTINGS, PROG. PROD. 5734-FO1
21	**LYC7-5037-1			ASSEMBLER F PROMPTER MICROFICHE LISTING, PROG PROD 5734-CP2
24	**LYC7-5038-2			ASSEMBLER F PROMPTER MICROFICHE LISTING, PROG. PROD. 5734-CP IBM SYSTEM/360/370 OS FULL ANS COBOL VERSION 3 COMPILER AND LIBRARY - LISTINGS, PROG. PROD. 5734-CB1
24	LYC7-5039-0			SYSTEM/360 OPERATING SYSTEM FULL COBOL CCOMPILER VERSION 3/TIME SHARING OPTION COBOL PRCMPTR PROGRAM NUMBER 5734-CB3
24	LYC7-5040-0			IBM SYSTEM/360 OPERATING SYSTEM - TIME SHARING OPTION COBOL PROMPTER - PROGRAM NUMBERS 5734-CP1, 5734-CB3
24	**LYC7-5041-3			SYSTEM/360 DISK OPERATING SYSTEM SUBSET ANS COBOL COMPILER AND LIBRARY - MICROFICHE - PROGRAM PRODUCT 5736-CB1
25	LYC7-5042-0			SYSTEM/360 OPERATING SYSTEM FORTRAN H EXTENDED PLUS MICROFICHE - PROGRAM NUMBER 5799-AAW
25	LYC7-5044-0			DOS FORTRAN IV LIBRARY OPTION I - MICROFICHE - PROGRAM NUMBER 5746-LM3
30	**LYC7-5048-0	**LNC7-5090-1	**LNC7-5102	OS VIDEO/370 MICROFICHE - PROGRAM NUMBER 5734-RC5
30	**LYC7-5049-0	**LNC7-5048-1	**LNC7-5103	DOS VIDEO/370 MICROFICHE - PROGRAM NUMBER 5736-RC3
30	**LYC7-5091-1	**LNC7-5091-1		
30	**LYC7-5049-1	**LNC7-5049-1		
80	**LY09-0012-0			VANDL-1 LOGIC MANUAL - PROG. NO. 5799-AEY
82	**LY12-5002-0*			MATRIX SYSTEM MATRIX LOGIC MANUAL - PROGRAM PRODUCT 5734-XM7
79	LY12-5008-0			IBM SYSTEM/360 AND SYSTEM/370, STORAGE AND INFORMATION RETRIEVAL SYSTEM (STAIRS), PROGRAM LOGIC MANUAL VOL. I NARRATIVES - PROGRAM PRODUCT 5734-XR3
79	**LY12-5013-0			SYSTEM/360/370 STAIRS: PLM VOLUME II (FLOWCHARTS) - PROGRAM NUMBER 5734-XR3
81	LY19-0007-0			IBM SYSTEM/360 RESOURCE ALLOCATION (REAL/360) FOR PROJECT CONTROL SYSTEM/360 LISTINGS MANUAL (PROGRAM NO. 5736-XP2, FEATURE CODE 8017)
79	LY19-1004-0*	**LN19-6134		SYSTEM/360 AND SYSTEM/370 DECISION TABLE TRANSLATOR (DECTAT) FOR COBOL AND PL/I, SYSTEM MANUAL PROGRAM NUMBER 5734-XR2
79	**LY19-1007-0*			SYSTEM/360 AND SYSTEM/370 STATISTICAL ANALYSIS OF FILES (STAF/OS) LOGIC MANUAL - PROGRAM NUMBER 5734-XXB
67	**LY19-1009-0			SYSTEM/360 AND SYSTEM/370 BUDGETS AND PLANS GENERATOR LOGIC MANUAL (BUDEPLAN) - PROGRAM PRODUCT 5734-P51
78	LY19-2001-0			IBM VEHICLE SCHEDULING PROGRAM -- EXTENDED (OS AND DOS) PROGRAM LOGIC MANUAL, VOLUME I, NARRATIVE PROGRAM NUMBERS 5734-XM5 (OS), 5736-XM3 (DOS)
78	LY19-2006-0			IBM VEHICLE SCHEDULING PROGRAM -- EXTENDED (OS AND DOS) PROGRAM LOGIC MANUAL, VOLUME II, FLOWCHARTS PROGRAM NUMBERS 5734-XM5 (OS), 5736-XM3 (DOS)
81	**LY19-4000-0	**LN19-6118		FORECASTING AND MODELING SYSTEM (FAMS) LOGIC MANUAL PROGRAM NUMBER 5736-XS4 (DOS VERSION), 5734-XS7 (OS VERSION)
83	**LY19-5037-0*			SIMPL/I SIMULATION LANGUAGE BASED ON PL/I LOGIC MANUAL PROGRAM PRODUCT 5734-XXB
83	LY19-7000-0			CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) LOGIC MANUAL - PROGRAM NUMBER 5734-XS9, FEATURE NUMBER 8143
83	LY19-7001-0			CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) GRAPHIC FEATURE LOGIC MANUAL - PROGRAM NUMBER 5734-XS9 FEATURE NUMBER 8144
32	GY20-0042-1			SYSTEM/360 DATA CONVERSION UTILITY III, VERSION 2 - SYSTEM MANUAL PROGRAM NUMBER 360A-SE-26X
79	GY20-0062-1#			SYSTEM/360 FLOWCHART SYSTEM MANUAL PROGRAM NUMBER 360A-SE-22X
82	GY20-0065-2	GY20-0400	GY20-0506	MATHEMATICAL PROGRAMMING SYSTEM/360 VERSION 2 SYSTEM MANUAL PROGRAM NUMBER 360A-CO-14X
32	GY20-0067-1	GN20-2774		SYSTEM/360 DATA CONVERSION UTILITIES II, VERSION 2 (SEQUENTIAL, DIRECT ACCESS) SYSTEM MANUAL PROGRAM NUMBER 360A-SE-20X
67	GY20-0071-1	GN20-2206		SYSTEM/360 ONLINE TELLER PROGRAM WITH BACKGROUND PROCESSING CAPABILITY SYSTEM'S MANUAL, PROGRAM NUMBER 360A-FB-16X
83	GY20-0075-0			GENERAL PURPOSE SIMULATION SYSTEM/360 SYSTEM MANUAL PROGRAM NUMBERS 360A-CS-17X, 360A-CS-19X
72	GY20-0080-2			SYSTEM/360 APT NUMERICAL CONTROL PROCESSOR VERSION 4: SYSTEM MANUAL - FLOWCHARTS, PROG. NO. 360A-CN-10X
81	GY20-0083-2			PROJECT MANAGEMENT SYSTEM/360 VERSION 2 NETWORK PROCESSOR SYSTEM MANUAL PROGRAM NUMBER 360A-CP-04X
81	GY20-0084-2			PROJECT MANAGEMENT SYSTEM/360 VERSION 2 COST PROCESSOR SYSTEM MANUAL PROGRAM NUMBER 360A-CP-04X
81	GY20-0085-2			PROJECT MANAGEMENT SYSTEM VERSION 2, REPORT PROCESSOR SYSTEM MANUAL PROGRAM NUMBER 360A-CP-04X

82	GY20-0092-2			SYSTEM/360 SCIENTIFIC SUBROUTINE PACKAGE VERSION 3: SYSTEM MANUAL, PRCG. NO. 360A-CM-03X
30	GY20-0096-0	GY20-0299		SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR DOS/360 SYSTEM MANUAL PROGRAM NUMBER 360A-SE-32X
30	GY20-0097-0	GY20-0298	GY20-0159	SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR OS/360 SYSTEM MANUAL PROGRAM NUMBER 360A-SE-33X
72	GY20-0099-1#	GY20-0221		SYSTEM/360 BILL OF MATERIAL PROCESSOR VERSION 2 SYSTEM MANUAL PROGRAM NUMBER 360A-ME-06X
38	GY20-0101-2	GY20-0476	GY20-0352	SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM (RAX) VERSION 3 SYSTEM MANUAL PROGRAM NUMBER 360A-CX-17X
79	GY20-0105-1	GN20-2364		1400 AUTOCODER TO COBOL CONVERSION AID PROGRAM PROGRAMMER'S MANUAL PROGRAM NUMBER 360A-SE-19X
79	GY20-0106-1			1400 AUTOCODER TO COBOL CONVERSION AID PROGRAM OPERATOR'S MANUAL PROGRAM NUMBER 360A-SE-19X
83	GY20-0111-0	GY20-0374	GY20-0258	SYSTEM/360 CONTINUOUS SYSTEM MODELING PROGRAM SYSTEM MANUAL PROGRAM NUMBER 360A-CX-16X
72	GY20-0112-0			IBM SYSTEM/360 PRODUCT STRUCTURE RETRIEVAL SYSTEMS MANUAL PROGRAM NUMBER 360A-ME-07X
72	GY20-0118-1#			S/360 AD-APT/AUTOSPOT NUMERICAL CONTROL PROCESSOR: SYSTEM MANUAL, PRCG. NO. 360A-CN-09X
72	GY20-0119-0	GY20-0149		S/360 AUTOSPOT NUMERICAL CONTROL PROCESSOR: SYSTEM MANUAL, PRCG. NO. 360A-CN-08X
79	GY20-0124-1			1400 AUTOCODER TO COBOL CONVERSION AID PROGRAM SYSTEM MANUAL PROGRAM NUMBER 360A-SE-19X
81	GY20-0126-2#			PROJECT CONTROL SYSTEM/360 VERSION 2 SYSTEM MANUAL PROGRAM NUMBER 360A-CP-06X
79	GY20-0143-1			IBM SYSTEM/360 DOCUMENT PROCESSING SYSTEM SYSTEM MANUAL PROGRAM NUMBER 360A-CX-12X
85	**GY20-0146-0			DISPLAY DESIGN GUIDELINES FOR THE IBM 2260 DISPLAY STATION
74	GY20-0153-1			MEDICAL INFORMATION SYSTEM PROGRAMS (MISP) APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 360A-UH-08L
74	GY20-0154-1			MEDICAL INFORMATION SYSTEM PROGRAMS (MISP) PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 360A-UH-08L
74	GY20-0157-1	GN20-2274		MEDICAL INFORMATION SYSTEM PROGRAMS (MISP) OPERATIONS MANUAL PROGRAM NUMBER 360A-UH-08L
78	GY20-0168-0			SYSTEM/360 VEHICLE SCHEDULING PROGRAM SCHEDULING PRODUCTION AND DISTANCE LISTING SYSTEM MANUAL PROGRAM NUMBER 360A-ST-06X
79	GY20-0174-1#			SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM DOS (ATS/DOS) SYSTEM MANUAL PROGRAM NUMBER 360A-CX-18X
81	GY20-0204-1#			PROJECT MANAGEMENT SYSTEM/360 FLOWCHART SYSTEM MANUAL PROGRAM NUMBER 360A-CP-04X
82	GY20-0205-0	GY20-0481		MARVEL/360 SYSTEM MANUAL PROGRAM NUMBER 360A-CO-15X
73	GY20-0208-0			SYSTEM/360 TEXT PROCESSOR - HYPHENATION/360 SYSTEM MANUAL PROGRAM NUMBER 360A-DP-07X
63	GY20-0209-1			SYSTEM/360 1287 INPUT CONVERSION PROGRAM SYSTEM MANUAL PROGRAM NUMBER 360A-DR-07X
64	GY20-0213-0			STUDENT SCHEDULING SYSTEM/360 THE SCHEDULER PROGRAM (360A-US-07X) SYSTEM MANUAL
74	GY20-0215-1	GY20-0428		SHARED HOSPITAL ACCOUNTING SYSTEM (SHAS) SYSTEM MANUAL PROGRAM NUMBER 360A-UH-11X
72	GY20-0227-1#			SYSTEM/360 APT NUMERICAL CONTROL PROCESSOR VERSION 4 SYSTEM MANUAL - FLOWCHARTS PROGRAM NUMBER 360A-CN-10X
63	GY20-0230-1#			SYSTEM/360 WHOLESALE IMPACT PROGRAM LIBRARY SYSTEM MANUAL PROG. NOS. 360A-DW-05X (ABOVE MOD 20), 360V-DW-06X (MOD 20)
72	GY20-0256-0			SYSTEM/360 INVENTORY CONTROL SYSTEM MANUAL PROGRAM NUMBER 360A-MF-04X
82	GY20-0261-1#			SYSTEM/360 MATRIX LANGUAGE (MATLAN) SYSTEM MANUAL PROGRAM NUMBER 360A-CM-05X
25	GY20-0263-0			SYSTEM/360 DECISION LOGIC TRANSLATOR SYSTEM MANUAL PROGRAM NUMBER 360A-CX-32X
72	GY20-0267-0			SYSTEM/360 AD-APT/AUTOSPOT (OS) NUMERICAL CONTROL PROCESSOR (360A-CN-12X) SYSTEM MANUAL
82	GY20-0294-1			MATHEMATICAL PROGRAMMING SYSTEM/360 REPORT GENERATOR (MPSRG) SYSTEM MANUAL PROGRAM NUMBER 360A-CO-20X
36	GY20-0305-3			IBM SYSTEM/360 AND SYSTEM/370 ATTACHED SUPPORT PROCESSOR SYSTEM (ASP) VERSION 2 SYSTEM MANUAL PROGRAM NUMBER 360A-CX-15X
65	**GY20-0316-0	**GN20-2126		RIGID FRAME SELECTION PROGRAM (RFSP): SYSTEM MANUAL VOLUME 1 PRCG. NOS. 1130-EC-09X, 5734-EC1, 5736-EC1
72	GY20-0317-0			SYSTEM/360 REQUIREMENTS PLANNING SYSTEM MANUAL PROGRAM NUMBER 360A-MF-05X
73	GY20-0318-0			SYSTEM/360 TEXT PROCESSOR - COMPOSITION/360 VOLUME I - FLOWCHART NARRATIVES SYSTEM MANUAL PROGRAM NUMBER 360A-DP-08X
73	GY20-0319-0			SYSTEM/360 TEXT PROCESSOR -- COMPOSITION/360 VOLUME II -- FLOWCHARTS SYSTEM MANUAL PROGRAM NUMBER 360A-DP-08X
79	**GY20-0320-0	**GY20-0482		IBM SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM-OS (ATS/OS) SYSTEM MANUAL PROGRAM NUMBER 360A-CX-19X
31	GY20-0345-0			SYSTEM/360 PROBLEM LANGUAGE ANALYZER (PLAN) (DOS/OS) VOLUME I - FLOWCHART NARRATIVES SYSTEM MANUAL PROGRAM NUMBERS 360A-CX-26X, 360A-CX-27X
31	GY20-0346-0			SYSTEM/360 PROBLEM LANGUAGE ANALYZER (PLAN) (DOS/OS) VOLUME II - FLOWCHARTS SYSTEM MANUAL PROGRAM NUMBERS 360A-CX-26X, 360A-CX-27X
31	GY20-0350-0			SYSTEM/360 PROBLEM LANGUAGE ANALYZER (PLAN) (DOS) VOLUME III - ASSEMBLY LISTINGS SYSTEM MANUAL PROGRAM NUMBER 360A-CX-26X
82	GY20-0353-0			MATHEMATICAL PROGRAMMING SYSTEM/360 VERSION 2 FLOWCHART SYSTEM MANUAL PROGRAM NUMBER 360A-CO-14X

72	GY20-0357-0			SYSTEM/360 APT NUMERICAL CONTROL PROCESSOR VERSION 4 ASSEMBLY LISTINGS: SYSTEM MANUAL PROGRAM NUMBER 360A-CN-10X
65	GY20-0364-0			SYSTEM/360 PROGRAM FOR OPTICAL SYSTEM DESIGN/II (POSD/II) (OS) SYSTEM MANUAL-ASSEMBLY LISTINGS PROGRAM NUMBER 360A-EO-15X
65	GY20-0365-0			SYSTEM/360 PROGRAM FOR OPTICAL SYSTEM DESIGN/II (POSD/II) (DOS) SYSTEM MANUAL-ASSEMBLY LISTINGS PROGRAM NUMBER 360A-EO-16X
81	LY20-0369-1#	LN20-2268		CUSTOMER INFORMATION CONTROL SYSTEM OS-STANDARD (CICS/OS), (5736-U11), SYSTEM MANUAL, FEATURE CODE 8805
64	GY20-0372-1	GN20-2412		COURSEWRITER III FOR SYSTEM/360 VERSION 2 SYSTEM PROGRAMMER'S GUIDE PROGRAM NUMBER 360A-UX-01X
85	**GY20-0377-0	**GN20-2081		INTRODUCTION TO IBM SYSTEM/360 MODEL 65 MULTIPROCESSING PLAN GRAPHICS SUPPORT FOR THE IBM 2250 ON SYSTEM/360 (OS) SYSTEM MANUAL PROGRAM NUMBER 360A-CX-34X
30	GY20-0394-0			LINEAR PROGRAMMING SYSTEM/360 (LPS/360) SYSTEM MANUAL PROGRAM NUMBER 360A-CO-18X
82	GY20-0405-0			SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE - OS SYSTEM MANUAL, PROG. NO. 5736-P72, FEATURE NO. 8101
82	LY20-0406-0			SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE - PS SYSTEM MANUAL PROGRAM NUMBER 5736-P71 FEATURE CODE 8101
82	LY20-0407-0			ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2 POLICY EXHIBIT UPDATE PROGRAM SYSTEM MANUAL PROGRAM NUMBER 5736-N11
71	LY20-0415-0	LN20-2103	LN20-2537	ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2 POLICY EXHIBIT UPDATE PROGRAM SYSTEM MANUAL PROGRAM NUMBER 5736-N11
71	LY20-0416-0	LY20-0522	LN20-2538	ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2 VALUATION UPDATE PROGRAM SYSTEM MANUAL PROGRAM NUMBER 5736-N11
71	LY20-0417-0	LN20-2102 LN20-2539	LY20-0523	ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2 POLICY MASTER RECORD FILE INVENTORY PROGRAM SYSTEM MANUAL (PROGRAM NUMBER: 5736-N11) (FEATURE CODE: 8811)
71	LY20-0418-0	LN20-2101 LN20-2540	LY20-0524	ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2 FINANCIAL VALUE PROGRAM SYSTEM MANUAL (PROGRAM NUMBER: 5736-N11) (FEATURE CODE 8812)
71	LY20-0419-0	LY20-0525	LN20-2541	ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2 VALUATION SUMMARY PROGRAM SYSTEM MANUAL (PROGRAM NUMBER 5736-N11) (FEATURE CODE 8813)
71	LY20-0420-0			ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2 POLICY EXHIBIT BALANCE PROGRAM SYSTEM MANUAL PROGRAM NUMBER 5736-N11
71	LY20-0421-0	LY20-0526	LN20-2542	ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2 POLICY EXHIBIT AND VALUATION INCLUDE (R) AND CALL (S) ROUTINES SYSTEM MANUAL PROGRAM NUMBER 5736-N11
80	LY20-0422-1			SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) SYSTEM MANUAL VOLUME I PROGRAM NUMBER 5736-CX1 FEATURE CODE 8801
80	LY20-0423-1#			SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) SYSTEM/360 GENERALIZED INFORMATION SYSTEM SYSTEM MANUAL VOLUME II PROGRAM NUMBER 5736-CX1 FEATURE CODE 8803
80	LY20-0424-1#			SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) SYSTEM/360 GENERALIZED INFORMATION SYSTEM SYSTEM MANUAL VOLUME III PROGRAM NUMBER 5736-CX1
80	LY20-0425-0	LY20-0498	LY20-0572	SYSTEM/360 GENERALIZED INFORMATION SYSTEM SYSTEM MANUAL VOLUME I PROGRAM NUMBER 5736-CX1 FEATURE CODE 8802
80	LY20-0431-1	LN20-2342		INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360 SYSTEM MANUAL VOLUME I - PROGRAM LOGIC PROGRAM NUMBER 5736-CX3 FEATURE CODE 8801
80	LY20-0432-0	LN20-2346		INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360 SYSTEM MANUAL VOLUME II - FLOWCHARTS PROGRAM NUMBER 5736-CX3 FEATURE CODE 8802
30	LY20-0455-0			GRAPHIC ANALYSIS OF THREE-DIMENSIONAL DATA (GATD) SYSTEM MANUAL - VOLUME I PROGRAM NUMBER 5734-XX2 FEATURE CODE 8101
81	LY20-0456-0			PROJECT MANAGEMENT SYSTEM/360: VERSION 3, RESOURCE ALLOCATION PROCESSOR SYSTEM MANUAL PROGRAM NUMBER 5734-XP1 FEATURE CODE 8104
81	LY20-0457-1#			PROJECT MANAGEMENT SYSTEM/360 VERSION 3 NETWORK PROCESSOR SYSTEM MANUAL, PROGRAM NUMBER: 5734-XP1 FEATURE CODE: 8101
81	LY20-0459-0			PROJECT MANAGEMENT SYSTEM/360: VERSION 3, COST PROCESSOR - SYSTEM MANUAL PROGRAM NUMBER 5734-XP1 FEATURE CODE 8102
81	LY20-0460-0			PROJECT MANAGEMENT SYSTEM/360 VERSION 3 FLOWCHART SYSTEM MANUAL PROGRAM NUMBER: 5734-XP1 FEATURE CODE: 8105
71	LY20-0461-0	LN20-2175	LN20-2264	PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS) HOMEOWNERS PREMIUM PROCESSING PROGRAM DESCRIPTION AND SYSTEM MANUAL, PROG. NO. 5736-N21 FEATURE NO. 8001
71	LY20-0462-0			PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS) HOMEOWNERS CLAIMS PROCESSING PROGRAM DESCRIPTION AND SYSTEM MANUAL PROGRAM NUMBER 5736-N21 FEATURE CODE 8002
81	LY20-0467-0	LY20-0548		PROJECT MANAGEMENT SYSTEM/360 VERSION 3: REPORT PROCESSOR SYSTEM MANUAL PROGRAM NUMBER 5734-XP1 FEATURE CODE 8101
65	LY20-0473-0			RIGID FRAME SELECTION PROGRAM (RFSP) VOLUME 3 - COMPILATION LISTINGS SYSTEM MANUAL PROGRAM NUMBER 5734-EC1 FEATURE CODE 8501
65	LY20-0474-0			RIGID FRAME SELECTION PROGRAM (RFSP) VOLUME 4 - COMPILATION LISTINGS SYSTEM MANUAL PROGRAM NUMBER 5736-EC1 FEATURE CODE 8501

83	LY20-0475-0	LY20-0550		GENERAL PURPOSE SIMULATION SYSTEM/360 OS: VERSION 2 - SYSTEM MANUAL PROGRAM NUMBER 5734-XS1 FEATURE CODE 8151
70	LY20-0479-0			LAW ENFORCEMENT MANPOWER RESOURCE ALLOCATION SYSTEM (LEMTRAS) SYSTEM MANUAL VOLUME I (PROGRAM NUMBER 5736-G21 FEATURE CODE 8400)
74	LY20-0480-1			SHAS COMPATIBLE TELEPROCESSING SUPPORT FOR 2780, 2740, AND 1050 TERMINALS SYSTEM REFERENCE MANUAL PROGRAM PRODUCT 5736-H13, FEATURE CODE 8000
83	LY20-0483-0	LY20-0551		GENERAL PURPOSE SIMULATION SYSTEM/360 DOS VERSION 2 SYSTEM MANUAL PROGRAM NUMBER 5736-XS1 FEATURE CODE 8101
73	LY20-0489-0			SYSTEM/360 TEXT PROCESSOR -- EDIT/360 (DOS) SYSTEM MANUAL VOLUME I - FLOWCHART NARRATIVES PROGRAM NUMBER 5736-K11
73	LY20-0490-0			SYSTEM/360 TEXT PROCESSOR -- EDIT/360 (DOS) SYSTEM MANUAL VOLUME II - FLOWCHARTS PROGRAM NUMBER 5736-K11
64	LY20-0495-0	LN20-2344	LN20-2496	COURSEWRITER III FOR SYSTEM/360 (OS) VERSION 2 PROGRAMMER'S GUIDE PROGRAM NUMBER 5734-E12 FEATURE CODE 8000
63	LY20-0496-0	LY20-0806		SYSTEM/360 ORDER ALLOCATION SYSTEM SYSTEM MANUAL PROGRAM NUMBER 5736-D41
31	GY20-0504-0	GY20-0545		IBM SYSTEM/360 CONVERSATIONAL PROGRAMMING SYSTEM (CPS): PROGRAM LOGIC MANUAL PROGRAM NUMBER 360D-03.4.016
79	LY20-0509-0			IBM SYSTEM/360 OS LEARN ADMINISTRATIVE TERMINAL SYSTEM SYSTEM MANUAL PROGRAM NUMBER 5734-XX8 FEATURE CODE 8053
79	LY20-0510-0			IBM SYSTEM/360 DOS LEARN ADMINISTRATIVE TERMINAL SYSTEM SYSTEM MANUAL PROGRAM NUMBER 5736-XX3 FEATURE CODE 8054
72	LY20-0528-0			OS/360 INVENTORY CONTROL SYSTEM MANUAL PROGRAM NUMBER 5736-M52 FEATURE CODE 8011
23	GY20-0530-0	GN20-2295		CALL/360 - OS BASIC SYSTEM MANUAL PROGRAM NUMBER 360A-CX-42X
25	GY20-0531-0	GN20-2294		CALL/360-OS FORTRAN SYSTEM MANUAL PROGRAM NUMBER 360A-CX-42X
72	LY20-0535-0	LN20-2318		SYSTEM/360 CAPACITY PLANNING - INFINITE LOADING SYSTEM MANUAL PROGRAM NUMBER 5736-M11 FEATURE CODE 8021
72	LY20-0536-0	LN20-2317		SYSTEM/360 CAPACITY PLANNING-FINITE LOADING SYSTEM MANUAL PROGRAM NUMBER 5736-M12 FEATURE CODE 8022
72	LY20-0537-0			SYSTEM/360 REQUIREMENTS PLANNING INTERFACE SYSTEM MANUAL PROGRAM NUMBER 5736-M13
72	LY20-0543-0	LN20-2290		OS/360 REQUIREMENTS PLANNING SYSTEM MANUAL PROGRAM NUMBER 5734-M51
76	LY20-0546-0	LN20-2509		SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR THE ELECTRIC UTILITY INDUSTRY POWER FLOW SYSTEM MANUAL - VOLUME III PROGRAM NUMBER 5736-U12 FEATURE CODE 8172
76	LY20-0553-1	LN20-2508	**LN20-3000	SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR ELECTRIC UTILITY INDUSTRY - SHORT CIRCUIT SYSTEM MANUAL VOLUME II PROG. NO. 5736-U12
76	LY20-0554-0	LN20-2510		SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR THE ELECTRIC UTILITY INDUSTRY TRANSIENT STABILITY SYSTEM MANUAL - VOLUME IV PROGRAM NUMBER 5736-U12 FEATURE CODE 8173
76	LY20-0555-1	LN20-2507		SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR THE ELECTRIC UTILITY INDUSTRY ENGINEERING DATA MANAGEMENT SERVICES SYSTEM MANUAL - VOLUME I PROGRAM NUMBER 5736-U12 FEATURE CODE 8174
78	LY20-0559-0			TARIFF PUBLISHING SYSTEM (BOUND TARIFFS) SYSTEM MANUAL PROGRAM NUMBER 5736-T21, FEATURE CODE 8003
78	LY20-0560-0			TRAFFIC PROFILE ANALYSIS SYSTEM SYSTEM MANUAL PROGRAM NUMBER 5736-T22
74	LY20-0561-0			MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) VERSION 2 SYSTEM MANUAL - PROGRAM PRODUCT 5736-H11 FEATURE CODE 8500
72	LY20-0565-0	LY20-0672		SYSTEM/360 SHOP FLOOR CONTROL 5736-M31 SYSTEM MANUAL
80	**LY20-0566-1			IBM SYSTEM/360 DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR SYSTEM MANUAL PROGRAM NUMBER 5736-XX4
29	GY20-0567-1			CALL-OS PL/I SYSTEM MANUAL VOLUME I
29	GY20-0568-0			CALL/360-OS PL/I SYSTEM MANUAL VOLUME II
29	GY20-0569-0			CALL/360-OS PL/I SYSTEM MANUAL VOLUME III PROGRAM NUMBER 360A-CX-42X
29	GY20-0570-1			CALL/360 OS PL/I SYSTEM MANUAL VOLUME 4
31	GY20-0575-1	**GN33-9134		IBM SYSTEM/360 DOS POWER II, SYSTEM MANUAL PROGRAM NUMBER 360D-05.2.006
38	GY20-0576-2	**GN33-9133		DOS POWER II/RJE SYSTEM MANUAL, PROG. NO. 360D-05.2.006
63	LY20-0579-0			SYSTEM/360 AGRIBUSINESS MANAGEMENT INFORMATION SYSTEM SYSTEM MANUAL FEATURE CODE 8012 PROGRAM NUMBER 5736-D51
71	**LY20-0587-1			PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS) ADDITIONAL FILE FACILITY: SYSTEMS REFERENCE MANUAL, PROGRAM NUMBER 5736-N22, FEATURE CODE 8007
36	**GY20-0590-2			CP-67/CMS VERSION 3.1: CP-67 PROGRAM LOGIC MANUAL, PROG. NO. 360D-05.2.005
36	GY20-0591-1	GN20-2503	**GN20-2621	CP-67/CMS VERSION 3.1: CMS PROGRAM LOGIC MANUAL, PROG. NO. 360D-05.2.005
30	LY20-0595-0	LN20-2464		IBM SYSTEM/360 FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL-LOW CORE (FASTER LC) 5736-G22 SYSTEM MANUAL
83	LY20-0596-0	LN20-2280	**LN20-3005	GENERAL PURPOSE SIMULATION SYSTEM V-OS (GPSS V-OS) SYSTEM MANUAL, PROG. NO. 5734-XS2, FEATURE NO. 8046
35	GY20-0597-0	**LN20-3050		COMPATIBILITY OPERATING SYSTEM FOR EMULATION OF IBM 1410/7010 DATA PROCESSING SYSTEMS OPERATING ON IBM SYSTEM/360 MODEL 50 (COS/50) (360D-11.1.025) PROGRAM LOGIC MANUAL
36	GY20-0599-0			THE REAL-TIME MONITOR (RTM) SYSTEM MANUAL, PROGRAM NUMBER 360A-SV-001

30	LY20-0601-0	LN20-2398	LN20-2477	DATA/360 - DOS SYSTEM MANUAL PROGRAM NUMBER 5736-XS2, FEATURE CODE 8018
83	LY20-0602-0	LN20-2279	**LN20-3049	GENERAL PURPOSE SIMULATION SYSTEM V - DOS SYSTEM MANUAL, PROG. NO. 5736-XS3, FEATURE NO. 8049
81	LY20-0604-0			CUSTOMER INFORMATION CONTROL SYSTEM, OS-STANDARD (CICS/OS) (5736-U11), LANGUAGE AND TERMINAL (L/T) FEATURE SYSTEM MANUAL, FEATURE CODE 8060
67	LY20-0606-0			SYSTEM/360 FINANCIAL TERMINAL SYSTEM SYSTEM MANUAL, VOLUME I: FLOWCHART NARRATIVES PROGRAM NUMBER 5736-F12, FEATURE CODE 8026
67	LY20-0607-0			SYSTEM/360 FINANCIAL TERMINAL SYSTEM SYSTEM MANUAL VOLUME II: FLOWCHARTS PROGRAM NUMBER 5736-F12 FEATURE CODE 8026
25	LY20-0608-0			FORTRAN CONVERSION AID PROGRAM (SYSTEM MANUAL, PROGRAM NUMBER 5799-AAJ, FEATURE CODE 8001, REFERENCE NUMBER FA1287
81	LY20-0609-0			PROJECT MANAGEMENT SYSTEM IV (PMS IV) PROGRAM NUMBER 5734-XP4, FEATURE NUMBER 8074 COST PROCESSOR SYSTEM MANUAL
81	LY20-0610-0			PROJECT MANAGEMENT SYSTEM IV (PMS IV) PROGRAM NUMBER 5734-XP4 - FEATURE NUMBER 8071 NETWORK PROCESSOR SYSTEM MANUAL
81	LY20-0611-0			PROJECT MANAGEMENT SYSTEM IV (PMSIV) RESOURCE ALLOCATION PROCESSOR SYSTEM MANUAL PROGRAM NUMBER 5734-XP4, FEATURE CODE 8077
81	LY20-0612-0	LN20-2757		PROJECT MANAGEMENT SYSTEM IV (PMS IV) PROGRAM NUMBER 5734-XP4 - FEATURE NUMBER 8068 REPORT PROCESSOR SYSTEM MANUAL
81	LY20-0613-0			PROJECT MANAGEMENT SYSTEM IV (PMSIV) COST PROCESSOR FLOWCHART MANUAL PROGRAM NUMBER 5734-XP4, FEATURE CODE 8075
81	LY20-0614-0			PROJECT MANAGEMENT SYSTEM IV (PMSIV) NETWORK PROCESSOR FLOWCHART MANUAL PROGRAM NUMBER 5734-XP4, FEATURE CODE 8072
81	LY20-0615-0			PROJECT MANAGEMENT SYSTEM IV (PMSIV) RESOURCE ALLOCATION PROCESSOR FLOWCHART MANUAL PROGRAM NUMBER 5734-XP4, FEATURE CODE 8078
81	LY20-0616-0			PROJECT MANAGEMENT SYSTEM IV (PMSIV) REPORT PROCESSOR FLOWCHART MANUAL PROGRAM NUMBER 5734-XP4, FEATURE CODE 8069
63	LY20-0621-1#			CONSUMER GOODS SYSTEM (COGS), FORECASTING (OS), SYSTEM MANUAL, PROGRAM NUMBER 5734-D33
63	LY20-0622-0			CONSUMER GOODS SYSTEM (COGS) ALLOCATION (OS) SYSTEM MANUAL PROGRAM NUMBER 5734-D32
73	LY20-0623-0			SYSTEM/360 TEXT PROCESSOR PAGINATION/360, SYSTEM MANUAL, VOLUME I - FLOWCHART NARRATIVES - PROGRAM NUMBER 5736-K12, FEATURE CODE 8010
73	LY20-0624-0			SYSTEM/360 TEXT PROCESSOR PAGINATION/360, SYSTEM MANUAL, VOLUME II - FLOWCHARTS - PROGRAM NUMBER 5736-K12, FEATURE CODE 8011
67	LY20-0628-0	LN20-2448		SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM SYSTEM MANUAL - PROGRAM NUMBER 5736-F32 FEATURE NUMBER 8033
80	**LY20-0629-3	**LN20-2909 **LN20-9009	**LN20-2919 **LN20-9015	INFORMATION MANAGEMENT SYSTEM/360, VERSION 2 PROGRAM NUMBER 5734-XX6 SYSTEM MANUAL - LOGIC VOLUME I, FEATURE CODE 8080
80	**LY20-0630-2	**LN20-2874 **LN20-2920	**LN20-2910 **LN20-9010	INFORMATION MANAGEMENT SYSTEM/360, VERSION 2, VOLUME 2, SYSTEM MANUAL (FLOWCHARTS), MICROFICHE PROGRAM NUMBER 5734-XX6, FEATURE CODE 8081
81	LY20-0634-0			DISPLAY MANAGEMENT SYSTEM, SYSTEM MANUAL PROGRAM NUMBER 5734-XC1, FEATURE CODE 8005
24	LY20-0635-0			CONTROL PROGRAM-67 ONLINE COBOL SYMBOLIC DEBUG PROGRAMMING RPQ: SYSTEM MANUAL, PROG. NO. 5799-AAE FEATURE NO. 8006
30	LY20-0638-0	LN20-2444	LN20-2556	DATA/360-OS SYSTEM MANUAL PROGRAM NUMBER 5734-XS3, FEATURE CODE 8087
82	LY20-0640-0			MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) MIXED INTEGER PROGRAMMING (MIP) - SYSTEM MANUAL PROGRAM NUMBER 5734-XM4, FEATURE NUMBER 8056
82	LY20-0641-0			MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX), MIXED INTEGER PROGRAMMING (MIP) FLOWCHART MANUAL, PROGRAM NUMBER 5734-XM4, FEATURE CODE 8057
82	LY20-0642-0			MATHEMATICAL PROGRAM SYSTEM EXTENDED (MPSX) FLOWCHART MANUAL PROGRAM NUMBER 5734-XM4, FEATURE CODE 8055
82	**LY20-0646-1			MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) SYSTEM MANUAL, PROGRAM NUMBER 5734-XM4, FEATURE CODE 8056
74	LY20-0655-0			SHARED LABORATORY INFORMATION SYSTEM (SLIS) SYSTEM MANUAL PROGRAM PRODUCT 5736-H12
70	LY20-0656-0	LN20-2421		IBM SYSTEM/360 BASIC COURTS SYSTEM, SYSTEM MANUAL PROGRAM NUMBER 5736-G26
83	LY20-0661-0	LN20-2348		COMPUTER SYSTEM SIMULATOR II (CSS II), SYSTEM MANUAL PROGRAM NUMBER 5734-XS5, FEATURE CODE 8035
78	LY20-0663-2			FARE QUOTE/TICKETING FUNCTIONAL SPECIFICATION PROGRAM NUMBER 5736-T11
78	**LY20-0664-1			FARE QUOTE/ISSUE TICKET PROGRAM AND PACKAGE SPECIFICATIONS PROGRAM NUMBER 5736-T11 (SEE ALSO "TARIFF MAINTENANCE" PROG. NO. 5736-T11)
78	**LY20-0665-1			TARIFF MAINTENANCE PROGRAM AND PACKAGE SPECIFICATIONS PROGRAM NUMBER 5736-T11 (SEE ALSO "FARE QUOTE/TICKETING" PROG. NO. 5736-T11)
78	**LY20-0666-1			FARE QUOTE/TICKETING DATA/MACRO SPECIFICATION PROGRAM NUMBER 5736-T11
82	LY20-0671-0			PROCEDURE LIBRARY - MATHEMATICS (PL-MATH) SYSTEM MANUAL PROGRAM NUMBER 5734-XM3 FEATURE NUMBER 8051
81	LY20-0674-0			MINIPERT SYSTEM MANUAL, FEATURE NUMBER 8086 PROGRAM NUMBER 5734-XP3

22	LY20-0678-0			APL/360-OS AND APL/360-DOS SYSTEM MANUAL FEATURE NUMBERS 8091, 8034 PROGRAM NUMBERS 5734-XM6, 5736-XM6
64	**LY20-0679-1#			COURSEWRITER III, VERSION 3 DISK OPERATING SYSTEM SYSTEM PROGRAMMER'S GUIDE - PROGRAM NUMBER 5736-E11
71	LY20-0681-0	**LN20-2906		CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII) SYSTEM MANUAL - VOLUME I - PROGRAM NUMBER 5736-N13
71	**LY20-0682-1#			CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII), SYSTEM MANUAL - VOLUME II - PROGRAM NUMBER 5736-N13
71	**LY20-0683-1#			CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII), SYSTEM MANUAL - VOLUME III - PROGRAM NUMBER 5736-N13
71	LY20-0684-0	**LN20-2903		CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII), SYSTEM MANUAL - VOLUME IV - PROGRAM NUMBER 5736-N13
71	**LY20-0685-1			CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII), SYSTEM MANUAL - VOLUME V - PROGRAM NUMBER 5736-N13
71	LY20-0686-0	**LN20-2907		CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII), SYSTEM MANUAL - VOLUME VI - PROGRAM NUMBER 5736-N13
71	LY20-0687-0	**LN20-2908		CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII), SYSTEM MANUAL - VOLUME VII - PROGRAM NUMBER 5736-N13
64	LY20-0691-0	**LN20-2848		COURSEWRITER III/OS VERSION 3 SYSTEM PROGRAMMERS GUIDE PROG. NO. 5734-E13
65	LY20-0692-0			ELECTRONIC CIRCUIT ANALYSIS PROGRAM II (ECAP II) FOR THE IBM OPERATING SYSTEM AND 1130 COMPUTING SYSTEM - SYSTEM MANUAL FEATURE NUMBER 8095 - PROGRAM NUMBERS 5734-EE1, 5711-EE1
76	LY20-0693-0	LN20-2511	**LN20-2995	SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR THE ELECTRIC UTILITY INDUSTRY, POWER FLOW OUTPUT AND CAPACITY FEATURE SYSTEM MANUAL, VOLUME V - PROGRAM NUMBER (5736-U12)
67	**LY20-0694-1			BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE) VERSION 2 SYSTEM MANUAL - PROGRAM NUMBER 5736-F31, FEATURE 8005
80	LY20-0696-0	LN20-2599	**LN20-2898	GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL VOLUME 1 - PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8115
80	LY20-0697-0	LN20-2598 **LN20-9024	**LN20-2894	GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL VOLUME 2 - PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8116
80	LY20-0698-0	LN20-2597	**LN20-2897	GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL VOLUME 3 - PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8117
80	LY20-0699-0			IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE ARITHMETIC STATEMENT FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8125
80	LY20-0700-0			IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE TELEPROCESSING SUPPORT FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8123
80	LY20-0701-0			IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE CONTROL STATEMENT FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8124
80	LY20-0702-0			IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE PROCESSING STATEMENT FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8126
80	LY20-0703-0	LN20-2596		IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE FORMAL REPORT FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8119
80	LY20-0704-0	LN20-2595		IBM GENERALIZED INFORMATION SYSTEM VOLUME 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE HIERARCHIC FILE SUPPORT FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8120
80	LY20-0705-0	LN20-2593		IBM GENERALIZED INFORMATION SYSTEM VOLUME 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE FILE UPDATE AND CREATE FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8118
80	LY20-0706-0			IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE UTILITY FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8121
80	LY20-0707-0	**LN20-2892		IBM GENERALIZED INFORMATION SYSTEM VOLUME 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE EDIT AND ENCODE FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8122
80	LY20-0708-0	LN20-2594		IBM GENERALIZED INFORMATION SYSTEM VOLUME 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE FILE MODIFY FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8127
81	LY20-0710-0			PLANNING SYSTEMS GENERATOR II (PSG II) LOGIC MANUAL PROGRAM NUMBER 5734-XT1 FEATURE NUMBER 8114
81	LY20-0712-1	**LN20-2841		CUSTOMER INFORMATION CONTROL SYSTEM FEATURE NUMBER 8030 (DOS-ENTRY) LOGIC MANUAL - PROGRAM NUMBER 5736-XX6
81	LY20-0713-1	**LN20-2840		CUSTOMER INFORMATION CONTROL SYSTEM (CICS) LOGIC MANUAL PROGRAM NUMBER 5736-XX7 (DOS-STANDARD) FEATURE NUMBER 8031
81	**LY20-0714-3# LY20-0714-2#	**LN20-2987		CUSTOMER INFORMATION CONTROL SYSTEM (CICS) OPERATING SYSTEM STANDARD VERSION 2 - FEATURE NUMBER 8142 - LOGIC MANUAL PROGRAM NUMBER 5734-XX7
30	LY20-0716-1#	**LN20-3063		IBM DISK OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL - MULTITHREAD (DOS FASTER MT) - SYSTEM MANUAL - PROGRAM NUMBER 5736-G24
63	LY20-0717-0			IBM FASHION REPORTER PROGRAM PRODUCT SYSTEM MANUAL PROGRAM NUMBER 5736-D11
76	LY20-0726-0	**LN20-2996		SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR THE ELECTRIC UTILITY INDUSTRY SHORT CIRCUIT R0 FEATURE - SYSTEM MANUAL VOLUME VI, FEATURE 8103 - PROGRAM NUMBER 5736-U12
79	LY20-0728-0	**LN20-3074		STAT/BASIC FOR INTERACTIVE TERMINAL FACILITY LOGIC MANUAL FEATURE NUMBER 8100 - PROGRAM NUMBER 5734-XA3
72	**LY20-0729-0			OS REQUIREMENTS PLANNING EXTENSIONS (PROGRAMMING RPQ EA6264) - SYSTEM MANUAL - PROG. NO. 5799-AA9
80	LY20-0733-0			BILL PROCESSOR SYSTEMS - IMS/360 BRIDGE, SYSTEM MANUAL PROGRAM NUMBER 5734-XX9
36	**GY20-0738-0			OS/MVT WITH RESOURCE SECURITY - LOGIC MANUAL PROGRAM NUMBER 360A-SV-007 TYPE 1 EXTENSION

73	**LY20-0743-1			AN APL (OS OR DOS) TEXT EDITOR AND COMPOSER: SYSTEM GUIDE PROG. NO. 5796-PAC, FEATURE NO. 8009
81	**LY20-0746-1#			APL/PDTS PROGRAMMING DEVELOPMENT TRACKING SYSTEM SYSTEM GUIDE - IUP NO. 5796-PAD
78	LY20-0749-0			FLIGHT DATA DISPLAY SYSTEM FUNCTIONAL SPECIFICATIONS, IUP PROG. NO. 5796-PAE
78	LY20-0750-0			FLIGHT DATA DISPLAY SYSTEM PACKAGE/PROGRAM SPECIFICATIONS IUP PROGRAM NO. 5796-PAE
78	LY20-0751-0			FLIGHT DATA DISPLAY SYSTEM DATA/MACRO/FILE SPECIFICATIONS IUP PROGRAM NO. 5796-PAE
76	**LY20-0755-0			LOADFLOW PLOTTING SYSTEM, VARIBUS CORPORATION, A GULF STATES UTILITIES COMPANY SYSTEMS GUIDE - IUP NUMBER 5796-AAF
39	**LY20-0757-0			SYSTEM GUIDE FOR S/360/370 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE COMPUTING (MUSIC) - PROGRAM NUMBER 5796-AAT
80	**LY20-0758-1#	**LN20-3057		DATA DICTIONARY/DIRECTORY SYSTEM WITH DATA ELEMENT GLOSSARY SYSTEM GUIDE - IUP NUMBER 5796-PAG
71	LY20-0758-0#			CONSOLIDATED FUNCTIONS EQUITY PRODUCTS VARIABLE ANNUITIES, MUTUAL FUNDS DATAMANN, INC. - SUBSIDIARY OF HORACE MANN EDUCATORS SPRINGFIELD, ILLINOIS - SYSTEMS GUIDE PROGRAM NUMBER 5796-AAP
71	**LY20-0761-0			SCRIPT/370 SYSTEM GUIDE - IUP NUMBER 5796-PAF CYCLE-TIME SIMULATOR SYSTEM SYSTEMS GUIDE IUP NUMBER 5796-PBG
73	**LY20-0762-0			ADVANCED STATISTICAL ANALYSIS PROGRAM (ASTAP) REFERENCE GUIDE - IUP NUMBER 5796-PBH
72	**LY20-0763-0			ADVANCED STATISTICAL ANALYSIS PROGRAM (ASTAP) - LOGIC MANUAL PROGRAM NUMBER 5796-PBH
82	**LY20-0764-0			IBM WAREHOUSE SIMULATOR SYSTEMS GUIDE - IUP NUMBER 5796-PBK IBM MULTIPLANT SOURCING SYSTEM GUIDE - IUP NUMBER 5796-PBL
82	**LY20-0765-0			DEMAND DEPOSIT ACCOUNTING WITH OVERDRAFT BANKING SYSTEM/360-370 DOS - THE PLANTERS NATIONAL BANK AND TRUST COMPANY ROCKY MOUNT, NORTH CAROLINA SYSTEM GUIDE - PROG. NO. 5796-ABL
63	**LY20-0766-0			DEMAND DEPOSIT ACCOUNTING WITH OVERDRAFT BANKING SYSTEM/360-370 DOS - THE PLANTERS NATIONAL BANK AND TRUST COMPANY ROCKY MOUNT, NORTH CAROLINA USER'S GUIDE - PROG. NO. 5796-ABL
72	**LY20-0767-0			DATA BASE DESIGN EVALUATION (DBPROTOTYPE) PROGRAM SYSTEM GUIDE - IUP NUMBER 5796-PBB
67	**LY20-0769-0			PROGRAMMING LANGUAGE FOR IMS-PLIMS SYSTEM GUIDE - IUP NUMBER 5796-PBF
67	**LY20-0770-0			IMSMAP - DATA BASE MAPPING PROGRAMS SYSTEM GUIDE - IUP NUMBER 5796-PBC
80	**LY20-0771-0			BTS (BATCH TERMINAL SIMULATOR) SYSTEMS GUIDE - IUP NUMBER 5796-PBD
80	**LY20-0772-0			TEST IMS UTILITIES PROGRAM SYSTEMS GUIDE - IUP NUMBER 5796-PBE
80	**LY20-0773-0			MULTICOLUMN DISTILLATION PROGRAM SYSTEMS GUIDE - IUP NUMBER 5796-PAH
80	**LY20-0774-0			IBM OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL MULTITHREAD (OS FASTER MT) - LOGIC MANUAL - PROGRAM NUMBER 5734-G21 - FEATURE CODE 8059
80	**LY20-0775-0			PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS) AUTOMOBILE ENHANCEMENTS - PROGRAM NUMBER 5736-N24 SYSTEM REFERENCE MANUAL
75	**LY20-0778-0			BUDGET ACCOUNTING INFORMATION SYSTEM (BACIS) FOR PUBLIC INSTITUTIONS - LICENSED PROGRAM PRODUCT MANUAL PROGRAM NUMBER 5736-G25
30	LY20-0787-1#			MARKETABLE SECURITIES INVENTORY SYSTEM - LOGIC MANUAL PROGRAM NUMBER 5799-ABY
71	LY20-0788-0			CALL-OS EXECUTIVE AND UTILITIES SYSTEM MANUAL VOLUME 1 PROGRAM NUMBER 360A-CX-42X
70	**LY20-0792-1			CALL-OS EXECUTIVE AND UTILITIES SYSTEM MANUAL - VOLUME 2 PROGRAM NUMBER 360A-CX-42X
67	LY20-0793-0			CALL-OS EXECUTIVE AND UTILITIES SYSTEM MANUAL VOLUME 3 PROGRAM NUMBER 360A-CX-42X
32	**GY20-0795-0			CALL-OS EXECUTIVE AND UTILITIES SYSTEM MANUAL VOLUME 4 PROGRAM NUMBER 360A-CX-42X
32	**GY20-0796-0			PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS) HOME OWNERS ENHANCEMENTS - SYSTEM REFERENCE MANUAL FEATURE NUMBER 8105 - PROGRAM NUMBER 5736-N25
32	**GY20-0797-0			MATH/BASIC FOR SYSTEM 3 MODEL 6 AND ITP LOGIC MANUAL PROG. NOS. 5703-XM2 AND 5734-XM8, FEATURE NOS. 8017 AND 8153
32	**GY20-0798-0			PLANNING SYSTEMS GENERATOR II (PSG II) DOS LOGIC MANUAL PROGRAM NUMBER 5736-XT1
71	LY20-0800-0	**LN20-2992		GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE PL/I QUERY SUPPORT FEATURE PROGRAM NUMBER 5734-XX1
82	LY20-0804-0	**LN20-3075		INTERACTIVE TRAINING SYSTEM LOGIC MANUAL VOLUME I (BASIC PROGRAM) - PROGRAM NUMBER 5734-XXC
81	LY20-0808-0			INTERACTIVE TRAINING SYSTEM LOGIC MANUAL VOLUME 2 (FLOWCHARTS) - PROGRAM NUMBER 5734-XXC
80	LY20-0809-0			INTERACTIVE TRAINING SYSTEM LOGIC MANUAL COURSE STRUCTURING FEATURE - PROGRAM NUMBER 5734-XXC
64	**LY20-0819-0	**LN20-2889	**LN20-3068	DATA/360 - II LOGIC MANUAL - PROGRAM NUMBER 5734-XS8
64	**LY20-0820-0	**LN20-3069	LN20-2875	SECURITIES ORDER MATCHING LOGIC MANUAL FEATURE NUMBER 8113 PROGRAM NUMBER 5734-F32
64	**LY20-0821-0	**LN20-2890		MPSX AND GENERALIZED UPPER BOUNDING LOGIC MANUAL - PROGRAM NUMBER 5734-XM4
30	**LY20-0823-0	**LN20-2991		INTERACTIVE QUERY FACILITY (IQF) TO IMS/360 SYSTEM MANUAL VOLUME V - PROGRAM NUMBER 5736-XX6
67	**LY20-0825-1			EPIC: SOCRATES LOGIC MANUAL - PROGRAM NUMBER 5735-E91
82	**LY20-0826-0			EPIC: BUDGET/FINANCE LOGIC MANUAL - PROGRAM NUMBER 5735-E93
80	**LY20-0829-0	**LN20-2875		
64	**LY20-0835-0			
64	**LY20-0837-0	**LN20-3072		

82	**LY20-0840-0	**LN20-3073		BUSINESS ANALYSIS/BASIC LOGIC MANUAL PROGRAM NOS. 5703-XM3 (S/3 MODEL 6) AND 5734-XMB (ITF-OS, DOS AND TSO)
30	**LY20-0842-0			TELECOMMUNICATIONS CONTROL SYSTEM (TCS) LOGIC MANUAL FEATURE NUMBER 8112 - PROGRAM NUMBER 5734-F31
74	**LY20-0845-0			HEALTH CARE SUPPORT/ELECTROCARDIOGRAM (ECG) ANALYSIS PROGRAM LOGIC MANUAL - PROG NOS. 5734-B11 (OS, OS/VS) 5736-B15 (DOS, DOS/VS)
64	**LY20-0848-0			EPIC FAST STUDENT TESTING SYSTEM FOR EDUCATIONAL INSTITUTIONS LOGIC MANUAL - PROGRAM NUMBER 5735-E92
71	**LY20-0859-0			ALPHA SEARCH INQUIRY SYSTEM LOGIC MANUAL - PROGRAM PRODUCT 5736-N14
36	**SY20-0880-1			IBM VIRTUAL MACHINE FACILITY/370 CONTROL PROGRAM (CP) PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5749-010
36	**SY20-0881-0	**SN20-2613		IBM VIRTUAL MACHINE FACILITY/370 CONVERSATIONAL MONITOR SYSTEM (CMS) PROGRAM LOGIC - PROGRAM NUMBER 5749-010
37	**SY20-0882-0	**SN20-2614		IBM VIRTUAL MACHINE FACILITY/370 SERVICE ROUTINES PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5749-010
80	**LY20-0921-0			RESPONSIBILITY ACCOUNTING SYSTEM - THE PHILADELPHIA NATIONAL BANK - SYSTEM GUIDE - PROG. NC. 5796-ACA
39	**LY20-1200-0			CPS UNDER TSO LOGIC MANUAL (PRPQ) - PROGRAM NUMBER 5799-ADY
25	GY21-0001-0			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT FORTRAN IV (16K CARD) PROGRAM LOGIC MANUAL PROGRAM NUMBER 360P-FO-205
32	**GY21-0004-1#			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT DISTRIBUTION PROGRAM, PROGRAM NUMBER 360P-UT-208
30	**GY21-0012-1	**GN26-8026	**GN26-8034	OS BSAM LOGIC FOR IBM 1419/1275
30	GY21-0013-1	**GN21-5169	**GN21-7659	OS DATA MANAGEMENT MACRO LOGIC FOR IBM 1285/1287/1288
28	LY21-0014-1	LN21-5163	LN21-5183	IBM DOS RPG II LANGUAGE PROGRAM LOGIC MANUAL PROGRAM NUMBER 5736-RG1
32	LY21-0021-0	LN21-5126	**LN21-5179	IBM SYSTEM/360 IBM 1288 BASIC UNFORMATTED READ SYSTEM PROGRAM LOGIC MANUAL PROGRAM NUMBER 5736-UT1
32	LY21-0022-0	**LN21-5199		IBM 1288 BASIC UNFORMATTED READ SYSTEM (MFT/MVT/VS1/VS2): LOGIC MANUAL, PROG. NO. 5734-UT3
35	**LY24-3606-0			IBM EMULATOR FOR HONEYWELL SERIES 200 ON SYSTEM/370 USING DOS PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5799-ADT
35	**LY24-3607-0			IBM EMULATOR FOR RCA 301 ON SYSTEM/370 USING DOS PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5799-ADR
21	GY24-5000-1	GY33-8525	GN33-8622	IBM SYSTEM/360 BASIC OPERATING SYSTEM DISK ASSEMBLER PROGRAM NUMBER 360P-AS-309
33	GY24-5001-0			IBM BASIC OPERATING SYSTEM/360 (8K DISK) SORT/MERGE PLM - PROG. NO. 360B-SM-308
36	GY24-5002-0	GY33-8531 GY24-5076 GY24-5031 GY24-5061 GY33-8524	GY33-8519 GY24-5062 GY24-5044	IBM BASIC OPERATING SYSTEM/360 SYSTEM CONTROL (8K DISK) PROGRAM NUMBER 360B-CL-302 PROGRAM LOGIC MANUAL
30	GY24-5003-1		GY24-5077	BOS LOGICAL IOCS, PROG. NOS. 360B-IO-303, -304, -305
28	GY24-5005-1#			IBM SYSTEM/360 BASIC OPERATING SYSTEM REPORT PROGRAM GENERATOR (8K DISK) PROGRAM NUMBER 360B-RG-307
30	**GY24-5007-1#			BPS INPUT OUTPUT CONTROL PROGRAM: PLM, PROG. NO. 360P-IO-060 (1231-N1), -059 (1418/1428), -058 (1412/1419)
24	**GY24-5009-2#			IBM SYSTEM/360 OPERATING SYSTEM COBOL-E PROGRAM NUMBER 360S-CO-503
36	GY24-5010-1#			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT BASIC TAPE SYSTEM SYSTEM CONTROL AND IOCS PROGRAM NUMBER 360P-AS-091
21	**GY24-5012-2#			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT TAPE ASSEMBLER PROGRAM NUMBER 360P-AS-091
32	**GY24-5013-1#			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT UNIVERSAL CHARACTER SET UTILITY PROGRAM PROGRAM NUMBER 360P-UT-048
21	GY24-5014-2			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT BASIC ASSEMBLER, PROGRAM LOGIC MANUAL PROGRAM NUMBER 360P-AS-021
32	**GY24-5015-1#			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT BASIC UTILITIES PROGRAM LOGIC MANUAL
33	GY24-5016-0	GY24-5036		TOS SORT/MERGE PROGRAM LOGIC MANUAL, PROG. NO. 360M-SM-400
36	GY24-5017-12			IBM SYSTEM/360 DISK OPERATING SYSTEM INTRODUCTION TO DOS LOGIC - PROGRAM NUMBER 360N-CL-453
30	GY24-5018-3			IBM SYSTEM/360, TAPE OPERATING SYSTEM, LOGICAL IOCS, PROGRAM NUMBER 360M-IO-404, VERSION 2.1
32	GY24-5019-0	GY24-5033	GY33-8535	IBM SYSTEM/360 TAPE OPERATING SYSTEM UTILITY PROGRAMS PROGRAM NUMBER 360M-UT-403
30	**GY24-5020-7#	**GN33-8739		IBM SYSTEM/360 DISK OPERATING SYSTEM, LOGICAL IOCS, VOLUME 1 INTRODUCTION PROGRAM LOGIC MANUAL, PROGRAM NUMBERS CPMOD 360N-CL-453, DAMOD 360N-IO-454, DIMOD 360N-CL-453, DTFCN 360N-CL-453, ISMOD 360N-IO-457, MRMOD 360N-IO-477, MTMOD 360N-IO-456, ORMOD 360N-IO-478, PRMOD 360N-CL-453, PTMOD 360N-IO-458, SDMOD 360N-IO-455
33	**GY24-5021-1#			IBM SYSTEM/360 DISK OPERATING SYSTEM SORT/MERGE PROGRAM NUMBER 360N-SM-450
36	GY24-5022-2			IBM SYSTEM/360, TAPE OPERATING SYSTEM, SYSTEM CONTROL, PROGRAM NUMBER 360M-CL-405, VERSION 2
32	**GY24-5023-3#	**GN33-8747		IBM SYSTEM/360 DISK OPERATING SYSTEM UTILITIES PROGRAM NUMBERS 360N-UT-461 360N-UT-462 360N-UT-463
24	**GY24-5025-3#			IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS COBOL D PROGRAM LOGIC MANUAL, PROG. NOS. 360M-CB-402, 360N-CB-452
37	GY24-5026-1			IBM SYSTEM/360 TAPE OPERATING SYSTEM AUTOTEST PROGRAM NUMBER 360M-PT-407
37	GY24-5027-0			IBM SYSTEM/360 DISK OPERATING SYSTEM AUTOTEST PROGRAM NUMBER 360N-PT-459
25	GY24-5032-0			IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS FORTRAN IV PROGRAM NUMBER 360M-FO-409 PROGRAM NUMBER 360N-FO-451
28	GY24-5037-0			IBM SYSTEM/360, BASIC PROGRAMMING SUPPORT, REPORT PROGRAM GENERATOR FOR PUNCHED CARD EQUIPMENT PROGRAM NUMBER 360P-RG-200

32	GY24-5045-4#			DOS AND TOS UTILITIES MACROS - PROGRAM LOGIC MANUAL PROGRAM NUMBERS 360M-UT-411, 360N-UT-471
37	GY24-5056-2	GN24-5451		IBM SYSTEM/360 TAPE OPERATING SYSTEM ON-LINE TEST EXECUTIVE PROGRAM - PROGRAM NUMBER 360M-DN-418
31	**GY24-5079-3#			IBM SYSTEM/360 DISK OPERATING SYSTEM LIBRARIAN MAINTENANCE AND SERVICE PROGRAMS PROGRAM NUMBER 360N-CL-453
31	GY24-5080-3			IBM SYSTEM/360 DISK OPERATING SYSTEM LINKAGE EDITOR PROGRAM PROGRAM NUMBER 360N-CL-453
36	**GY24-5086-5#	**GN33-8740		IBM SYSTEM/360 DISK OPERATING SYSTEM IPL AND JOB CONTROL PROGRAMS PROGRAM NUMBER 360N-CL-453
30	**GY24-5087-6#	**GN33-8741		IBM SYSTEM/360 DISK OPERATING SYSTEM LOGICAL IOCS VOLUME 2: UNIT RECORD, MAGNETIC TAPE AND DEVICE INDEPENDENT FILES PROGRAM LOGIC MANUAL
30	**GY24-5088-5#			IBM SYSTEM/360 DISK OPERATING SYSTEM, LOGICAL IOCS VOLUME 3: SEQUENTIAL AND DIRECT ACCESS DASD FILES, (PROGRAM NUMBERS: SDMOD 360N-IO-455 DAMOD 360N-IO-454) PROGRAM LOGIC MANUAL
30	**GY24-5089-4#	**GN33-8743		DOS LIOCS VOLUME 4: ISFMS - PROGRAM NUMBER 360N-IO-457
32	GY24-5096-1	GN33-8655		IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT MODULAR FILE MAINTENANCE PROGRAM - PROGRAM NUMBER 360P-UT-219
36	GY24-5151-3	**GN33-8744		IBM SYSTEM/360 DISK OPERATING SYSTEM SUPERVISOR AND PHYSICAL TRANSIENTS - PROGRAM LOGIC MANUAL PROGRAM NUMBER 360N-CL-453
36	**GY24-5152-2#	**GN33-8745		IBM SYSTEM/360 DISK OPERATING SYSTEM LOGICAL TRANSIENT PROGRAMS
36	**GY24-5153-3#	**GN33-8746		IBM SYSTEM/360 DISK OPERATING SYSTEM SYSTEM SERVICE PROGRAMS
37	GY24-5154-3			DOS OLTEP LOGIC
36	**SY24-5155-1			OS/VS1 SUPERVISOR LOGIC
30	**SY24-5156-1	**SN24-5464		OS/VS1 I/O SUPERVISOR LOGIC MANUAL
36	**SY24-5159-1			OS/VS1 CHECKPOINT/RESTART LOGIC
36	**SY24-5160-1			OS/VS1 IPL AND NIP LOGIC
36	**SY24-5161-1			OS/VS1 JOB MANAGEMENT LOGIC MANUAL
21	GY26-3598-0			IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER (32K) PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-AS-036
21	**GY26-3642-4#			IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS ASSEMBLER (D) PROGRAM NUMBER 360M/N-AS-465
21	**GY26-3700-3#	**GN33-8156		IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER (F) PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-AS-037
28	GY26-3701-1	GY21-0009	GY21-0005	IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEM REPORT PROGRAM GENERATOR PROGRAM NUMBERS 360N-RG-460 (DISK) 360M-RG-408 (TAPE)
28	GY26-3704-0	GY21-0011	GY21-0006	IBM SYSTEM/360 OPERATING SYSTEM REPORT PROGRAM GENERATOR PROGRAM NUMBER 360S-RG-038
21	GY26-3716-1	GN33-8120		IBM SYSTEM/360 DISK OPERATING SYSTEM ASSEMBLER (F) PROGRAM NUMBER 360N-AS-466
21	**LY26-3737-1			IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION ASSEMBLER PROMPTER PROGRAM LOGIC MANUAL PROGRAM NUMBER 5734-CP2
35	GY26-3741-3	**GN26-8021	**SN33-7037	DOS EMULATOR LOGIC (CN IBM SYSTEM/370 UNDER OS), PROG. NO. 360C-EU-738 (FOR MPT/MVT), 5744-AS1 (FOR VS)
21	**LY26-3760-1			OS ASSEMBLER H LOGIC PROG. NO. 5734-AS1
14	SY26-3766-0			IBM 2740/2968 AUDIO-VISUAL CCNTRCL PROGRAM LOGIC MANUAL RPQ NUMBER F30209
30	**SY26-3785-2			OS/VS OPEN/CLOSE/EOV LOGIC MANUAL
30	**SY26-3786-1	**SN26-8030		OS/VS ISAM LOGIC MANUAL
30	**SY26-3787-1			OS/VS DADSM LOGIC MANUAL
30	**SY26-3788-2#			OS/VS SAM LOGIC MANUAL
30	**SY26-3789-1	**SN26-8029		OS/VS BDAM LOGIC MANUAL
31	**SY26-3814-0	**SN26-8022	**SN26-8032	OS/VS LOADER LOGIC MANUAL
31	**SY26-3815-0	**SN26-8020	**SN26-8033	OS/VS LINKAGE EDITOR LOGIC MANUAL
36	**SY26-3820-0			OS/VS2 CHECKPOINT/RESTART LOGIC
30	**SY26-3823-1			OS/VS2 INPUT/OUTPUT SUPERVISOR LOGIC MANUAL
35	GY27-7103-1	GY27-7131		IBM SYSTEM/360 CONVERSION AIDS: THE 1401/1460 EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 40 ELM - PROG. NO. 360C-EU-074
24	GY27-7108-0			IBM SYSTEM/360 TRANSITION AIDS: COBOL LANGUAGE CONVERSION PROGRAM (1401-CB-701) FOR THE IBM 1401 PROGRAM LOGIC MANUAL
30	GY27-7110-1			IBM SYSTEM/360 OPERATING SYSTEM GRAPHICS PROBLEM ORIENTED ROUTINES (360S-IO-523) PROGRAM LOGIC MANUAL
35	GY27-7111-0	GY27-7129	GY27-7182	IBM SYSTEM/360 CONVERSION AIDS: THE 7074 EMULATOR PROGRAM FOR IBM SYSTEM/360 MODELS 50 AND 65 PROGRAM LOGIC MANUAL PROGRAM NUMBER 360C-EU-725
30	GY27-7113-6			IBM SYSTEM/360 OPERATING SYSTEM: GRAPHIC ACCESS METHOD PROGRAM NUMBER 360S-IO-523
35	GY27-7115-0	GY33-7001		IBM SYSTEM/360 CONVERSION AIDS: THE 1410/7010 SIMULATOR FOR IBM SYSTEM/360, PROGRAM NUMBER 360C-SI-754 PROGRAM LOGIC MANUAL
35	GY27-7116-1	GY33-7002		IBM SYSTEM/360 CONVERSION AIDS: THE 1620 SIMULATOR FOR IBM SYSTEM/360, PROGRAM NUMBER 360C-SI-752 PROGRAM LOGIC MANUAL
35	GY27-7117-1	GY33-7003		IBM SYSTEM/360 CONVERSION AIDS: THE 7070/7074 SIMULATOR FOR IBM SYSTEM/360, PROGRAM NUMBER 360C-SI-753 PROGRAM LOGIC MANUAL
35	GY27-7118-0	GY33-7004		IBM SYSTEM/360 CONVERSION AIDS: THE 7080 SIMULATOR FOR IBM SYSTEM/360, PROGRAM NUMBER 360C-SI-751 PROGRAM LOGIC MANUAL
35	GY27-7119-1	GY33-7005		IBM SYSTEM/360 CONVERSION AIDS: THE 7090/7094 SIMULATOR FOR IBM SYSTEM/360, PROGRAM NUMBER 360C-SI-750 PROGRAM LOGIC MANUAL

35	GY27-7126-0	GY27-7140		IBM SYSTEM/360 MODEL 30 1620 EMULATOR PROGRAM PROGRAM LOGIC MANUAL PROGRAM NUMBER 360C-EU-731
36	GY27-7128-7			IBM SYSTEM/360 OPERATING SYSTEM JOB MANAGEMENT WITH MFT PROGRAM LOGIC MANUAL
25	GY27-7152-1	GN27-1334		IBM SYSTEM/360 OPERATING SYSTEM GRAPHIC SUBROUTINE PACKAGE (GSP) FOR FORTRAN IV, COBOL, AND PL/I PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-LM-537
31	**GY27-7155-3			IBM SYSTEM/360 OPERATING SYSTEM MACHINE CHECK HANDLER FOR IBM SYSTEM/360 MODEL 65 PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-DN-539
36	GY27-7159-1			IBM SYSTEM/360 OPERATING SYSTEM: GRAPHIC JOB PROCESSOR SUPPORT - PROGRAM NUMBER 360S-RC-541
25	GY27-7161-0	GY27-7194		SYSTEM/360-1130 DATA TRANSMISSION FOR FORTRAN PROGRAM LOGIC MANUAL PROGRAM NUMBERS 360S-LM-542, 1130-LM-011
35	GY27-7164-2	GN33-7013		IBM SYSTEM/360 DISK OPERATING SYSTEM 1401/1440/1460 EMULATOR PROGRAM COMPATIBILITY SUPPORT/30 PROGRAM NUMBER 360N-EU-484
35	GY27-7165-2	GN33-7014		IBM SYSTEM/360 DISK OPERATING SYSTEM 1401/1440/1460 EMULATOR PROGRAM COMPATIBILITY SUPPORT/40 PROGRAM NUMBER 360N-EU-485
36	GY27-7166-0	GY27-7192		IBM SYSTEM/360 OPERATING SYSTEM AND 1130 DISK MONITOR SYSTEM SYSTEM/360 JOB PROCESSING FROM A REMOTE 1130/2250 SUBSYSTEM PROGRAM LOGIC MANUAL PROGRAM NUMBERS 360S-RC-543, 1130-CO-012
31	**GY27-7184-2			IBM SYSTEM/360 OPERATING SYSTEM: MACHINE-CHECK HANDLER FOR IBM SYSTEM/360 MODEL 85 - PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-DN-539
35	GY27-7187-2			EMULATOR PROGRAM TO EMULATE THE 7094 ON MODELS 65 AND 165 USING OS/360 - PROGRAM NUMBERS 360C-EU-734, 360C-EU-740
31	**GY27-7198-2			IBM SYSTEM/360 OPERATING SYSTEM: MACHINE-CHECK HANDLER FOR SYSTEM/370 MODELS 155 AND 165 - PROGRAM LOGIC MANUAL
39	GY27-7199-2	GN27-1377	**GN27-1388	IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION (TSO) CONTROL PROGRAM PROGRAM NUMBER 360S-CI-555
35	GY27-7228-0			PROGRAM TO EMULATE THE IBM 7074 ON THE IBM SYSTEM/370 MODEL 165 USING OS/360 - PROGRAM NUMBER 360C-EU-739 LOGIC MANUAL
35	GY27-7229-0			PROGRAM TO EMULATE THE IBM 7080 ON THE IBM SYSTEM/370 MODEL 165 USING OS/360 - PROGRAM NUMBER 360C-EU-737
30	**LY27-7230-0	**LN27-1402		VIDEO/370 LOGIC MANUAL - PROGRAM NUMBERS 5734-RC5, 5736-RC3
36	**GY27-7236-2			IBM SYSTEM/360 OPERATING SYSTEM MFT SUPERVISOR
31	GY27-7237-1			IBM SYSTEM/360 OPERATING SYSTEM MACHINE-CHECK HANDLER FOR IBM SYSTEM/370 MODELS 135 AND 145 PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-DN-539
35	GY27-7238-0	**GN27-1409		IBM 7074 OPERATING SYSTEM EMULATOR ON SYSTEM/370 MODEL 155 LOGIC MANUAL - PROGRAM NUMBER 360C-EU-741
37	**SY27-7239-1	**SN27-1407		OS/VS RECOVERY MANAGEMENT SUPPORT LOGIC - COMPONENT NOS. 5742-SC1-CE, 5742-SC1-CE
30	**SY27-7240-0	**SN27-1389		OS/VS GRAPHICS ACCESS METHOD LOGIC MANUAL
30	**SY27-7241-0			OS/VS GRAPHICS PROBLEM-ORIENTED ROUTINES LOGIC
30	**SY27-7242-0	**SN27-1390		OS/VS GRAPHIC SUBROUTINE PACKAGE (GSP) FOR FORTRAN IV, COBOL, AND PL/I LOGIC MANUAL
36	**SY27-7243-0	**SN27-1406		OS/VS2 IPL AND NIP LOGIC
36	**SY27-7244-0	**SN27-1403		OS/VS2 SUPERVISOR LOGIC VOLUME I
30	**GY27-7245-1			SYSTEM/360 DOS VERSION 4 BASIC TELECOMMUNICATIONS ACCESS METHODS - PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360N-CQ-469
30	**SY27-7246-0	**SN27-1398	**SN27-1401	OS/VS BTAM LOGIC MANUAL
37	**SY27-7252-0			OS/VS2 RECOVERY MANAGEMENT SUPPORT PROGRAM LOGIC MANUAL
36	**GY27-7255-0			OS/VS2 HASP II VERSION 4 LOGIC PROGRAM NUMBER 370H-TX-001
20	**GY28-0603-0			OS/VS MASTER INDEX OF LOGIC
36	**SY28-0605-1			OS/VS1 SYSTEM DATA AREAS
36	**SY28-0606-0			OS/VS2 SYSTEM DATA AREAS MANUAL
36	**SY28-0620-0			OS/VS2 JOB MANAGEMENT LOGIC MANUAL
37	**SY28-0635-0	**SN28-2541		OS/VS1 SERVICE AIDS LOGIC
37	**SY28-0637-1			OS/VS OLTEP LOGIC
37	**SY28-0639-1			OS/VS SYS1. LOGREC ERROR RECORDING LOGIC MANUAL
37	**SY28-0641-0			OS/VS DYNAMIC SUPPORT SYSTEM LOGIC - FEATURE NUMBERS 5007, 5008, 5413, AND 5414 - PROGRAM NUMBERS 5741-020 AND 5742-010
37	**SY28-0643-0			OS/VS2 SERVICE AIDS LOGIC MANUAL
39	**SY28-0649-0			OS/VS2 TSO CONTROL PROGRAM LOGIC MANUAL
39	**SY28-0650-0			OS/VS2 TSO TERMINAL MONITOR PROGRAM AND SERVICE ROUTINES LOGIC MANUAL
39	**SY28-0651-0			OS/VS2 TSO COMMAND PROCESSOR LOGIC VOLUME I: ACCOUNT
39	**SY28-0652-0			OS/VS2 TSO COMMAND PROCESSOR LOGIC VOLUME IV
39	**SY28-0659-0			OS/VS2 TSO ENHANCEMENTS LOGIC - COMPONENT NUMBERS 5742-SC1-T0 AND 5742-SC1-T4
38	**SY28-0660-0			OS/VS RES ACCOUNT FACILITY LOGIC - COMPONENT NO. 5741-SC1-BC
37	**SY28-0662-0			OS/VS1 OLTEP LOGIC - COMPONENT NO. 5741-SC1-06
36	GY28-2009-2	GN28-3146	GN28-3193	IBM SYSTEM/360 TIME SHARING SYSTEM SYSTEM LOGIC SUMMARY PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360G-CL-627
36	GY28-2011-6	GN28-3219		IBM SYSTEM/360 TIME SHARING SYSTEM SYSTEM CONTROL BLOCKS PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360G-CL-627
36	GY28-2012-5#	GN28-3217		IBM SYSTEM/360 TIME SHARING SYSTEM: RESIDENT SUPERVISOR PROGRAM LOGIC MANUAL
36	GY28-2013-6	GN28-3214		TIME SHARING SYSTEM/360 COMMAND LANGUAGE PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360G-CL-627
36	GY28-2014-2#			IBM SYSTEM/360 TIME-SHARING SYSTEM PROGRAM CONTROL SYSTEM PROGRAM LOGIC MANUAL
34	GY28-2015-6	GN28-3218		IBM SYSTEM/360 TIME SHARING SYSTEM: SYSTEM GENERATION AND MAINTENANCE PROGRAM LOGIC MANUAL PROGRAM NUMBER 360-CL-627

30	GY28-2016-5# GY28-2016-4#	GN28-3212		IBM SYSTEM/360 TIME SHARING SYSTEM ACCESS METHODS PROGRAM NUMBER 360G-CL-627 PROGRAM LOGIC MANUAL
31	GY28-2018-3			IBM SYSTEM/360 TIME SHARING SYSTEM: SYSTEM SERVICE MANUAL PROGRAM LOGIC MANUAL
25	GY28-2019-1	GN28-3167	GN28-3190	IBM SYSTEM/360 TIME SHARING SYSTEM: FORTRAN IV COMPILER PROGRAM LOGIC MANUAL
25	GY28-2020-2	GN28-3215		IBM SYSTEM/360 TIME SHARING SYSTEM FORTRAN IV LIBRARY SUBPROGRAMS PROGRAM LOGIC MANUAL PROGRAM NUMBER 360G-CL-627
21	GY28-2021-2	GN28-3213		IBM SYSTEM/360 TIME-SHARING SYSTEM ASSEMBLER PROGRAM LOGIC MANUAL
37	GY28-2022-2			IBM SYSTEM/360 TIME SHARING SYSTEM TIME SHARING SUPPORT SYSTEM - PROGRAM LOGIC MANUAL PROGRAM NUMBER 360G-CL-627
31	GY28-2030-2	GN28-3216		IBM SYSTEM/360 TIME-SHARING SYSTEM LINKAGE EDITOR PROGRAM LOGIC MANUAL PROGRAM NUMBER 360G-CL-627
36	GY28-2031-3			IBM SYSTEM/360 TIME SHARING SYSTEM: DYNAMIC LOADER PROGRAM LOGIC MANUAL PROGRAM NUMBER 360G-CL-627
32	GY28-2039-3	GN28-3134	GN28-3176	IBM SYSTEM/360 TIME-SHARING SYSTEM INDEPENDENT UTILITIES PROGRAM LOGIC MANUAL PROGRAM NUMBER 360G-CL-627
36	GY28-2041-4			IBM SYSTEM/360 TIME SHARING SYSTEM TASK MONITOR PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360G-CL-627
37	GY28-2042-2	GN28-3159		IBM SYSTEM/360 TIME SHARING SYSTEM: ON-LINE TEST CONTROL SYSTEM PROGRAM LOGIC MANUAL PROGRAM NUMBER 360G-CL-627
36	GY28-2047-4#			IBM SYSTEM/360 TIME SHARING SYSTEM OPERATOR TASK AND BULK I/O - PROGRAM LOGIC MANUAL PROGRAM NUMBER 360G-CL-627
29	GY28-2051-0	GN28-3161	GN28-3191	IBM SYSTEM/360 TIME SHARING SYSTEM PL/I COMPILER PROGRAM LOGIC MANUAL PROGRAM NUMBER 360G-CL-627
29	GY28-2052-0	GN28-3132 GN28-3192	GN28-3162	IBM SYSTEM/360 TIME SHARING SYSTEM PL/I LIBRARY COMPUTATIONAL SUBROUTINES PROGRAM LOGIC MANUAL PROGRAM NUMBER 360G-CL-627
24	GY28-6382-2			IBM SYSTEM/360 OPERATING SYSTEM COBOL CFS PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-CB-524 360S-LM-525
24	**GY28-6392-2	**GN28-1027		IBM SYSTEM/360 DISK OPERATING SYSTEM AMERICAN NATIONAL STANDARD COBOL: PROGRAM LOGIC MANUAL, PROG. NO. 360N-CB-482
25	GY28-6394-1	GN28-0415		IBM SYSTEM/360 DISK OPERATING SYSTEM FORTRAN IV PROGRAM LOGIC MANUAL PROGRAM NUMBER 360N-FO-479
24	GY28-6395-1	**GN28-0499		IBM SYSTEM/360 OPERATING SYSTEM: USA STANDARD COBOL - PROGRAM LOGIC MANUAL PROGRAM NUMBERS 360S-CB-545, 360S-LM-546
24	**GY28-6397-1#			IBM CONVERSION AIDS: COBOL-TO-AMERICAN NATIONAL ST'D COBOL LANGUAGE CONVERSION PROGRAM - PROGRAM LOGIC MANUAL PROGRAM NUMBERS 360N-CV-489, 360C-CV-713
24	LY28-6406-1	**LN28-0492		SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION COBOL PROMPTER PROGRAM LOGIC MANUAL, PROGRAM NUMBER 5734-CP1
24	LY28-6407-1	**LN28-1005		IBM SYSTEM/360 OPERATING SYSTEM FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3 PROGRAM LOGIC MANUAL, PROGRAM NUMBER 5734-CB1
25	LY28-6408-0	**LN28-0605		IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV LIBRARY (MODEL I) PROGRAM LOGIC MANUAL, PROGRAM NUMBER 5734-LM1
25	LY28-6409-0	**LN28-0606		IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV LIBRARY MOD II PROGRAM LOGIC MANUAL, PROGRAM NUMBER 5734-LM3
25	LY28-6410-0			IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION FORTRAN PROMPTER - PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5734-CP3
24	LY28-6412-0	LN28-0462	LN28-0485	IBM SYSTEM/360 DISK OPERATING SYSTEM FULL AMERICAN NATIONAL STANDARD COBOL COMPILER VERSION 3, PROGRAM LOGIC MANUAL PROGRAM PRODUCT 5736-CB2
24	LY28-6413-0	LN28-0463	LN28-0486	IBM SYSTEM/360 DISK OPERATING SYSTEM FULL AMERICAN NATIONAL STANDARD COBOL SUBROUTINE LIBRARY, VERSION 3 PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5736-LM2
24	LY28-6414-0	LN28-0491		IBM SYSTEM/360 DISK OPERATING SYSTEM SUBSET AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5736-CB1
25	LY28-6415-0			IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (H EXTENDED PLUS) COMPILER AND LIBRARY PROGRAM LOGIC SUPPLEMENT (PROGRAMMING REQUEST FOR PRICE QUOTATION) PROGRAM NUMBER 5799-AAW
24	**LY28-6419-0	**LN28-1007		IBM S/360 OPERATING SYSTEM: FULL AMERICAN NATIONAL STANDARD COBOL SUBROUTINE LIBRARY V4 PLM - PROGRAM PRODUCTS 5734-CB2, 5734-LM2
24	**LY28-6420-0	**LN28-1008		IBM S/360 OPERATING SYSTEM: FULL AMERICAN NATIONAL STANDARD COBOL COMPILER V4 - PROGRAM LOGIC MANUAL - PROGRAM PRODUCT 5734-CB2
35	GY28-6566-1	GY27-7175	GN27-1358	IBM SYSTEM/360 CONVERSION AIDS: THE 709/7090/7094/7094 II EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 65 PROGRAM LOGIC MANUAL - PROG. NO. 360C-EU-729
35	GY28-6569-1			IBM SYSTEM/360 CONVERSION AIDS: THE 1410/7010 EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 50 PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360C-EV-726
33	GY28-6597-4	**GN33-8164		IBM SYSTEM/360 OPERATING SYSTEM, SORT/MERGE PROGRAM LOGIC MANUAL, (PROGRAM NUMBER 360S-SM-023)
35	GY28-6599-1			IBM SYSTEM/360 CONVERSION AIDS: THE 7040/7044 EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 65 PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360C-EU-733
25	**GY28-6601-3#			IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (E) PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-FO-092
30	GY28-6604-5			SYSTEM/360 OPERATING SYSTEM (OS) SEQUENTIAL ACCESS METHOD (SAM) LOGIC MANUAL - PROGRAM NUMBER 360S-DM-508
36	GY28-6605-5#			IBM SYSTEM/360 OPERATING SYSTEM: INTRODUCTION TO CONTROL PROGRAM LOGIC, PROGRAM NUMBERS 360S-CI-505 360S-DM-508

30	GY28-6606-3			IBM SYSTEM/360 OPERATING SYSTEM CATALOG MANAGEMENT PLM
30	GY28-6607-8#			SYSTEM/360 OPERATING SYSTEM - DIRECT ACCESS DEVICE SPACE
30	GY28-6609-6			MANAGEMENT ROUTINES - LOGIC MANUAL
31	GY28-6610-3#			OS OPEN/CLOSE/EOV LOGIC, PROG. NO. 360S-DM-508
	GY28-6610-2#	GY28-6400	GY28-2356	IBM SYSTEM/360 OPERATING SYSTEM LINKAGE EDITOR
		GY28-2301		PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-ED-510 (LEVEL E)
37	**GY28-6611-1#			IBM SYSTEM/360 OPERATING SYSTEM TESTRAN PROGRAM LOGIC MANUAL
				PROGRAM NUMBER 360S-PT-516
36	GY28-6612-5#			IBM SYSTEM/360 OPERATING SYSTEM FIXED TASK SUPERVISOR
				PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-CI-505
36	GY28-6613-5			IBM SYSTEM/360 OPERATING SYSTEM: JOB MANAGEMENT PROGRAM
				LOGIC MANUAL PROGRAM NUMBER 360S-CI-505
31	GY28-6614-8	**GN35-0009		IBM SYSTEM/360 OPERATING SYSTEM: UTILITIES, PROGRAM LOGIC
				MANUAL PROGRAM NUMBER 360S-UT-506
30	GY28-6616-9#	**GN26-8036		SYSTEM/360 OPERATING SYSTEM/OS INPUT/OUTPUT (I/O)
				SUPERVISOR LOGIC MANUAL - PROGRAM NUMBER 360S-CI-505
30	GY28-6617-6			SYSTEM/360 OPERATING SYSTEM BDAM LOGIC MANUAL
				PROGRAM NUMBER 360S-DM-509
30	GY28-6618-5#			SYSTEM/360 OPERATING SYSTEM ISAM LOGIC MANUAL
				PROGRAM NUMBER 360S-IO-526
25	**GY28-6638-2#			IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (G)
				COMPILER PROGRAM LOGIC MANUAL
				PROGRAM NUMBER 360S-FO-520
25	**GY28-6642-5#			IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (H) COMPILER
				PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-FO-500
33	GY28-6645-2#			IBM SYSTEM/360 DISK OPERATING SYSTEM TAPE AND DISK
				SORT/MERGE PROGRAM LOGIC MANUAL PROGRAM NUMBER 360N-SM-483
37	GY28-6651-5	**GN28-2550		IBM SYSTEM/360 OPERATING SYSTEM RELEASE 20
				ON-LINE TEST EXECUTIVE PROGRAM PROGRAM LOGIC MANUAL
				PROGRAM NUMBER 360S-DN-533
36	**GY28-6659-7			IBM SYSTEM/360 OPERATING SYSTEM MVT SUPERVISOR
				PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-CI-535
36	GY28-6660-9	**GN28-2551		IBM SYSTEM/360 OPERATING SYSTEM: MVT JOB MANAGEMENT,
				PROGRAM LOGIC MANUAL, PROGRAM NUMBER 360S-CI-535
36	GY28-6661-5	**GN27-1404		IBM SYSTEM/360 OPERATING SYSTEM INITIAL PROGRAM LOADER AND
				NUCLEUS INITIALIZATION PROGRAM PROGRAM LOGIC MANUAL
				PROGRAM NUMBER 360S-CI-535
31	GY28-6667-2			IBM SYSTEM/360 OPERATING SYSTEM LINKAGE EDITOR (F)
				PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-ED-521
14	GY28-6688-0			INTERNAL LOGIC MANUAL FOR THE IBM 2947-4 CHECK COLLECTION
				CONTROLLER SEQUENTIAL ACCESS METHOD - PROGRAM SUPPORT
				RPQ 888264 - PROGRAM NUMBERS 5799-WAF 5799-WAG
33	LY28-6696-1	LN33-8107		IBM SYSTEM/360 DISK OPERATING SYSTEM: TAPE AND DISK
				SORT/MERGE PROGRAM - PROGRAM NUMBER 5736-SM1
31	**GY28-6714-2#			IBM SYSTEM/360 OPERATING SYSTEM LOADER -
				PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360C-LD-547
20	GY28-6717-3			IBM SYSTEM/360 OPERATING SYSTEM PROGRAM LOGIC MANUAL
				MASTER INDEX
37	GY28-6721-0	**SN28-2554		IBM SYSTEM/360 OPERATING SYSTEM: SERVICE AIDS
				PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-DN-554
14	SY28-6746-0	SN28-2527		IBM 2969 PROGRAMMABLE TERMINAL INTERCHANGE MODEL 1
				CONTROL PROGRAM DESIGN SPECIFICATIONS SUPPORTING
				RPQ 888117
32	LY28-6761-0	**LN33-8708		OS/MFT, OS/MVT, AND OS/VS DATA SET UTILITIES SUPPORT FOR
				ASCII: LOGIC MANUAL, PROG. NO. 5734-UT2
32	LY28-6766-1	**LN33-8709	**LN33-8720	IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION DATA
				UTILITIES: COPY, FORMAT, LIST, MERGE
				PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5734-UT1
39	**GY28-6770-2			OS TSO TERMINAL MONITOR PROGRAM AND SERVICE ROUTINES PLM,
				PROGRAM NUMBER 360S-CI-555
39	**GY28-6771-1#			IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION
				COMMAND PROCESSOR PROGRAM LOGIC MANUAL, VOLUME 1, ACCOUNT
				PROGRAM NUMBER 360S-CI-555
39	**GY28-6772-1#			IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION
				COMMAND PROCESSOR PROGRAM LOGIC MANUAL, VOLUME 2,
				ALLOCATE, CALL, CANCEL/STATUS, DELETE,
				PROGRAM NUMBERS 360S-CI-555, 360S-UT-506
39	GY28-6773-1#			IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION
				COMMAND PROCESSOR PROGRAM LOGIC MANUAL, VOLUME 3, EDIT
				PROGRAM NUMBER 360S-UL-506
39	**GY28-6774-1#			IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION
				COMMAND PROCESSOR PROGRAM LOGIC MANUAL, VOLUME 4,
				EXEC, FREE, HELP, LINK, LISTALC, LISTBC -
				PROGRAM NUMBERS 360S-CI-555, 360S-UT-506
39	**GY28-6775-1#			IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION
				COMMAND PROCESSOR PROGRAM LOGIC MANUAL, VOLUME 5, LISTCAT,
				LISTDS, LOADGO, OPERATOR, OUTPUT -
				PROGRAM NUMBERS 360S-CI-555, 360S-UT-506
39	GY28-6776-0	GN28-2492		IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION
				COMMAND PROCESSOR PROGRAM LOGIC MANUAL, VOLUME 6, PROFILE,
				PROTECT, RENAME, RUN, SEND, SUBMIT, TERMINAL, TIME,
				WHEN/END - PROGRAM NUMBERS 360S-CI-555, 360S-UT-506
39	**GY28-6777-1#			IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION
				COMMAND PROCESSOR PROGRAM LOGIC MANUAL, VOLUME 7, TEST
29	GY28-6800-5			IBM SYSTEM/360 OPERATING SYSTEM, PL/I (F) COMPILER PROGRAM
				LOGIC MANUAL, PROGRAM NUMBER 360S-NL-511
29	GY28-6801-6#			IBM SYSTEM/360 OPERATING SYSTEM, PL/I SUBROUTINE LIBRARY,
				PROGRAM LOGIC MANUAL, PROGRAM NUMBER 360S-LM-512
21	GY28-6811-0	GY33-8509	GY28-6824	IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM ASSEMBLER
		GY28-6817	GN33-8656	PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360F-AS-616
36	GY28-6812-1	**GN33-8657		IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM SUPERVISOR AND
				JOB CONTROL PROGRAM LOGIC MANUAL
				PROGRAM NUMBERS 360F-IO-613 360F-CL-614

31	GY28-6813-0	GY28-6823	GN33-8646	IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM LINKAGE EDITOR PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360F-ED-615
32	**GY28-6814-2#			IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM UTILITIES AND STAND ALONE PROGRAMS PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 360F-UT-606 360F-UT-607 360F-UT-608 360F-UT-609 360F-UT-610 360F-UT-611 360F-UT-612 360F-UT-617 360F-UT-620
25	GY28-6815-1			IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM FORTRAN IV COMPILER PROGRAM NUMBER 360F-FO-618
35	GY28-6816-0			PROGRAM LOGIC MANUAL - COMPILER PROGRAM NUMBER 360F-FO-618 IBM SYSTEM/360 CONVERSION AIDS 1620 SIMULATOR FOR IBM SYSTEM/360 MODEL 44 PROGRAM LOGIC MANUAL - 360C-SI-755
25	GY28-6831-2			IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV SYNTAX CHECKER PROGRAM NUMBER 360S-FO-550
36	LY28-6832-1			IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC INTRODUCTION AND METHOD OF OPERATION
36	LY28-6833-1	LN28-0455		PROGRAM NUMBERS 5734-RC1, 5734-RC3, 5736-RC1, 5736-RC2 IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC INITIALIZATION SYSTEM CONTROL, AND SYSTEM SUPPORT PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 5734-RC1, 5734-RC3, 5736-RC1, 5736-RC2
36	LY28-6834-3			IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC LANGUAGE COMPONENT CONTROLLER PROGRAM LOGIC MANUAL PROGRAM NUMBERS 5734-RC1, 5734-RC3, 5736-RC1, 5736-RC2
29	LY28-6835-1	LN28-0442		IBM SYSTEM/360 OS/DOS ITF PL/I PROGRAM LOGIC LANGUAGE COMPONENT: PL/I ROUTINES PROGRAM NUMBERS 5734-RC1, 5736-RC1
23	LY28-6836-0	LN28-0420 LN28-0443	LN28-0429	IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC LANGUAGE COMPONENT: BASIC ROUTINES PROGRAM NUMBERS 5736-RC2, 5734-RC3
36	LY28-6837-3	**LN28-0456		IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC LANGUAGE COMPONENT: COMMON ROUTINES AND REFERENCE DATA PROGRAM NUMBERS 5734-RC1, RC3, 5736-RC1, RC2
20	LY28-6840-1			INDEX FOR THE OS/DOS ITF PLM, PROG. NOS. 5734-RC1 AND 3, 5736-RC1 AND 2
39	LY28-6842-1#			IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) INTERACTIVE TERMINAL FACILITY PROGRAM LOGIC INITIALIZATION, SYSTEM CONTROL, AND SYSTEM SUPPORT PROGRAM NUMBERS 5734-RC2, 5734-RC4
39	LY28-6845-0			IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) INTERACTIVE TERMINAL FACILITY PROGRAM LOGIC INDEX PROGRAM NUMBERS 5734-RC2, 5734-RC4
25	LY28-6846-1	**LN28-1014		IBM SYSTEM/360 OPERATING SYSTEM CODE AND GO FORTRAN PROCESSOR PROGRAM LOGIC MANUAL PROGRAM NUMBER 5734-F01
30	**SY28-6849-0	**SN24-5468		OS/VS1 RES RTAM AND WORKSTATION SUPPORT LOGIC - PROGRAM NUMBER 5741-SC1-BB
25	LY28-6856-0	**LN28-1013		IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (GI) COMPILER PLM PROGRAM NUMBER 5734-FO2
31	GY28-7106-0			IBM SYSTEM/360 OPERATING SYSTEM UPDATE ANALYSIS PROGRAM PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-UT-506
30	**GY30-2001-6			IBM SYSTEM/360 OPERATING SYSTEM BASIC TELECOMMUNICATIONS ACCESS METHOD PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-CQ-513
30	GY30-2002-3			IBM SYSTEM/360 OPERATING SYSTEM QUEUED TELECOMMUNICATIONS ACCESS METHOD PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-CQ-519
38	GY30-2005-4	GY30-2542	GY30-2557	PROGRAM NUMBER 360S-RC-536 IBM SYSTEM/360 OPERATING SYSTEM BASIC TELECOMMUNICATIONS ACCESS METHOD
38	GY30-2006-1	GY30-2537		IBM SYSTEM/360 BASIC OPERATING SYSTEM, BASIC PROGRAMMING SUPPORT REMOTE JOB ENTRY WORK STATION PROGRAM PROGRAM NUMBERS 360B-CQ-311-(BOS), 360P-CQ-218-(BPS) PROGRAM LOGIC MANUAL
38	GY30-2011-1	**GN28-0599	**GN28-0614	OS/MFT, OS/MVT, AND CS/VS1: CRJE LOGIC PROG. NO. 360S-RC-551 (MFT/MVT), 5741-SC1-0A (VS1)
30	GY30-2027-0			IBM SYSTEM/360 OPERATING SYSTEM TCAM SERVICEABILITY AIDS: PROGRAM LOGIC MANUAL, PROGRAM NUMBER 360S-CQ-548
30	**GY30-2029-3	**GY30-2580		OS MFT/MVT TCAM LOGIC, PROG. NO. 360S-CQ-548
30	**SY30-2039-2			OS/VS TCAM LOGIC - PROGRAM NUMBER 5741-SC1-21
32	**GY30-3000-0	**GY30-3500 **GY30-3504	**GY30-3501	IBM 3735 PROGRAMMABLE BUFFERED TERMINAL FORM DESCRIPTION MACRO INSTRUCTIONS AND FORM DESCRIPTION UTILITY PROGRAM LOGIC MANUAL (OS, DOS, AND VS SYSTEMS)
35	**SY30-3001-0	**SY30-3502		IBM 3705 COMMUNICATIONS CONTROLLER EMULATION PROGRAM PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360H-TX-033
30	**SY30-3003-0			IBM 3705 COMMUNICATIONS CONTROLLER NETWORK CONTROL PROGRAM PLM
35	**LY30-3004-0			GENERATION AND LOGIC MANUAL FOR PROGRAMMING RPQ P85007 SPECIAL START-STOP LINE CONTROL FOR IBM 3705 EMULATION PROGRAM - PROGRAM NUMBER 5799-AGK
35	**LY30-3005-0			GENERATION AND LOGIC MANUAL FOR PROGRAMMING RPQ P85004, SIX BIT TRANSCODE FOR IBM 3705 EMULATION PROGRAM PROGRAM NO. 5799-AGA
30	**GY30-5001-6			IBM SYSTEM/360 DISK OPERATING SYSTEM BASIC TELECOMMUNICATIONS ACCESS METHOD PROGRAM LOGIC MANUAL PROGRAM NUMBER 360N-CQ-469
30	GY30-5002-4			IBM SYSTEM/360 DISK OPERATING SYSTEM QUEUED TELECOMMUNICATIONS ACCESS METHOD PROGRAM LOGIC MANUAL PROGRAM NUMBER 360N-CQ-470
29	GY33-6003-2			IBM SYSTEM/360 PL/I LANGUAGE SPECIFICATIONS
29	LY33-6007-0	**LN33-6038		OS PL/I OPTIMIZING COMPILER: PROGRAM LOGIC MANUAL PROGRAM NUMBER 5734-PL1

29	LY33-6008-0	**LN33-6067		SYSTEM/360 OPERATING SYSTEM PL/I RESIDENT LIBRARY: PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5734-LM4
29	LY33-6009-0			OS PL/I TRANSIENT LIBRARY: PROGRAM LOGIC MANUAL PROGRAM NUMBER 5734-LM5
29	LY33-6010-1			DOS PL/1 OPTIMIZING COMPILER: PROGRAM LOGIC PROGRAM PRODUCT 5736-PL1
29	**LY33-6011-1			DOS PL/1 RESIDENT LIBRARY: PROGRAM LOGIC MANUAL PROGRAM NUMBER 5736-LM4
29	LY33-6012-0	LN33-6060	**LN33-6062	DOS PL/I TRANSIENT LIBRARY - PROGRAM LOGIC MANUAL PROGRAM NUMBER 5736-LM5
29	LY33-6013-0	**LN33-6072 LN33-6058		OS PL/I CHECKOUT COMPILER PROGRAM LOGIC MANUAL PROGRAM NUMBER 5734-PL2
29	LY33-6014-0			SYSTEM/360 OPERATING SYSTEM PL/I CHECKOUT CCMPIER PROGRAM LOGIC, VOLUME 2 OF 2 - PROGRAM NUMBER 5734-PL2
26	GY33-7006-0			IBM SYSTEM/360 CONVERSION AIDS: ALGOL-TO-PL/I LANGUAGE CONVERSION PROGRAM FOR IBM SYSTEM/360 OPERATING SYSTEM, PROGRAM LOGIC MANUAL - BROGRAM NUMBER 360C-CV-711
24	**GY33-7007-1#			IBM SYSTEM/360 CONVERSION AIDS: COBOL-to-PL/I LANGUAGE CONVERSION PROGRAM FOR IBM SYSTEM/360 OPERATING SYSTEM, PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360C-CV-712
35	GY33-7008-0	GN33-7019	GN33-7022	PROGRAM TO EMULATE THE 1401, 1440, AND 1460 ON THE SYSTEM/370 MODELS 145 AND 155 USING DISK OPERATING SYSTEM/360 - PROGRAM NUMBER 360N-EU-490
35	GY33-7009-0	**GN33-7020	**GN33-7023	PROGRAM LOGIC MANUAL PROGRAM TO EMULATE THE 1410 AND 7010 ON THE SYSTEM/370 MODELS 145 AND 155 USING DOS/360 PROGRAM NUMBER 360N-EU-490
35	SY33-7010-0	**SN33-7038		PROGRAM LOGIC MANUAL MODEL 20 EMULATOR ON SYSTEM/370 USING DOS LOGIC - PROG. NO. 370N-IC-002
35	GY33-7011-0	**GN33-7029	**GN33-7024	1401/1440/1460 OS EMULATOR ON SYSTEM/370 LOGIC - PROGRAM NUMBERS 5744-AH1 AND 360C-EU-735
35	GY33-7012-0	**SN33-7034 **GN33-7030 **SN33-7039	**SN33-7035	1410/7010 OS EMULATOR ON SYSTEM/370 LOGIC - PROGRAM NUMBERS 5744-AG1 AND 360C-EU-736
26	GY33-8000-0	GY33-8003 GN33-8129	GY33-8001	OS ALGOL (F) COMPILER LOGIC - PROGRAM NUMBERS 360S-AL-531 360S-LH-532
29	**GY33-8009-1#			IBM SYSTEM/360 OPERATING SYSTEM, PL/I SYNTAX CHECKER, PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-PL-552
33	**LY33-8027-1			IBM SYSTEM/360 OPERATING SYSTEM, SORT/MERGE, PROGRAM LOGIC MANUAL - PROGRAM NO. 5734-SM1
33	LY33-8039-0			DOS SORT/MERGE PROGRAM LOGIC MANUAL PROGRAM NUMBER 5743-SM1
21	**SY33-8041-0	**SN33-8152	**SN33-8158	OS/V5 ASSEMBLER LOGIC
36	GY33-8532-0	**GN33-8725		DOS VERSION 4 LOGICAL TRANSIENTS - PROGRAM NUMBER 370N-CL-453
36	GY33-8533-0			INTRODUCTION TO DOS VERSION 4 LOGIC - PROGRAM NUMBER 370N-CL-453
36	GY33-8534-0	**GN33-8727	**GN33-8755	DOS VERSION 4 SUPERVISOR AND RELATED TRANSIENTS - PROGRAM LOGIC MANUAL - PROGRAM NUMBER 370N-CL-453
36	GY33-8537-0	**GN33-8728		DOS VERSION 4 SYSTEM SERVICE PROGRAMS - PROGRAM NUMBER 370N-CL-453
31	GY33-8538-0	**GN33-8729		DOS VERSION 4 LINKAGE EDITOR MANUAL - PROGRAM NUMBER 370N-CL-453
36	GY33-8539-0			SYSTEM/370 DOS VERSION 4 LIBRARIAN-PROGRAM LOGIC MANUAL - PROGRAM NUMBER 370N-CL-453
32	LY33-8540-0			IBM SYSTEM/360 DISK OPERATING SYSTEM ASCII MAGNETIC TAPE UTILITIES PROGRAM LOGIC MANUAL PROGRAM NUMBER 5736-UT2
36	GY33-8542-0	**GN33-8731	**GN33-8751	DOS VERSION 4 IPL AND JOB CONTROL MANUAL - PROGRAM NUMBER 370N-CL-453
30	GY33-8543-0	**GN33-8732		DOS VERSION 4 LIOCS INTRODUCTION VOLUME 1 - PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 370N-CL-453, 370N-IO-454, 370N-IO- 457, 370N-IO-477, 370N-IO-456, 370N-IO-478, 370N-IO-458, 370N-IO-455
30	GY33-8544-0	**GN33-8733	**GN33-8749	DOS VERSION 4 LIOCS VOLUME 2 - PROGRAM NUMBERS 370N-CL-453, 370N-IO-477, 370N-IO-456, 370N-IO-478, 370N-IO-458
30	GY33-8545-0	**GN33-8734		DOS VERSION 4 LIOCS VOLUME 3-SAM AND DAM FOR DASD- PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 370N-IO-455, 370N-IO-454
30	GY33-8546-0			DOS VERSION 4 LIOCS VOLUME 4 - ISAM - PROGRAM LOGIC MANUAL - PROGRAM NUMBER 370N-IO-457
32	**GY33-8547-0			DOS VERSION 4 SYSTEM UTILITIES - PROGRAM NUMBER 370N-UT-491
39	**SY33-8548-0			OS/V52 TSO COMMAND PROCESSOR LOGIC VOLUME II - EDIT PROGRAM NUMBER 5742-SC1-T0
29	GY33-9010-4#			IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS, PL/I SUBSET LANGUAGE, PROGRAM LOGIC MANUAL, VOLUME 1 OF 3 PROGRAM NUMBERS: 360N-PL-464 (DOS) 360M-PL-410 (TOS)
29	GY33-9011-2			IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS, PL/I SUBSET LANGUAGE, PROGRAM LOGIC MANUAL, VOLUME 2 OF 3, PROG. NOS. 360N-PL-464 (DOS), 360M-PL-410 (TOS)
29	GY33-9012-2#			IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS, PL/I SUBSET LANGUAGE, VOLUME 3 OF 3 PROGRAM LOGIC MANUAL PROGRAM NUMBERS: 360N-PL-464 (DOS) 360M-PL-410 (TOS)
29	GY33-9013-1	GN33-9108		IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS PL/I SUBSET LIBRARY ROUTINES - PROGRAM LOGIC MANUAL PROGRAM NUMBERS 360N-PL-464 (DOS), 360M-PL-410 (TOS)
30	**SY35-0003-2			OS/V5 CATALOG MANAGEMENT LOGIC
39	**SY35-0004-0			OS/V52 TSO COMMAND PROCESSOR LOGIC VOLUME III: TEST
32	**SY35-0005-0	**SN35-0008		OS/V5 UTILITIES LOGIC MANUAL, COMPONENT NUMBERS 5741-SC1-IO, I1, I2, U0 THROUGH UK
95	S2C0-0051-1	**S2C0-5055 **S2C0-5054-3 S2C0-5050 S2C0-5052-3	**S2C0-0049-16 **S2C0-0050-6 S2C0-5051-1 **S2C0-5053-7	MICROFICHE - EARLY WARNING 2025 AND LARGER FILE CARD

95	S2C0-0101-8	**S2C0-5146-2 **S2C0-5144-1 **S2C0-5142 **S2C0-5140-4 **S2C0-0100-78 **S2C0-0148-1 **S2C0-5148-2	**S2C0-5145-2 **S2C0-5143-1 **S2C0-5141-7 S2C0-5139-3 **S2C0-0149-74 **S2C0-5147-3 **S2C0-5149	MICROFICHE - EARLY WARNING OPERATING SYSTEM OS FILE CARD
95	S2C0-0201-4	**S2C0-5105-1 **S2C0-0200-51 **S2C0-5104-2	**S2C0-5103-1 S2C0-5102-1	MICROFICHE - EARLY WARNING PROGRAMMING SYSTEM OTHER THAN OS FILE
95	S2C0-0301-4	**S2C0-5255 **S2C0-0347-18 **S2C0-0300-9 **S2C0-5252	**S2C0-5253 **S2C0-0348-51 **S2C0-0349-70 **S2C0-5254-1	MICROFICHE EARLY WARNING - PROGRAM PRODUCTS, CSP AND SCP
20	S229-3169-3			SYSTEM/360 OPERATING SYSTEM HANDBOOK
85	**G310-0012-4			IBM WORLD TRADE MARKETING PUBLICATIONS KWIC INDEX
79	G320-0956-2			ATS/360 TERMINAL OPERATOR'S QUICK REFERENCE GUIDE PROGRAM NUMBERS 360A-CX-18X, 360A-CX-19X
79	G320-0958-1			ATS/360 - DOS COMPUTER OPERATOR'S QUICK REFERENCE GUIDE PROGRAM NUMBER 360A-CX-18X
79	G320-1002-1			ATS/360 - OS COMPUTER OPERATOR'S QUICK REFERENCE GUIDE PROGRAM NUMBER 360A-CX-19X
74	**G320-1028-0			SHARED HOSPITAL ACCOUNTING SYSTEM (SHAS) DIAGNOSTIC MESSAGES PROGRAM NUMBER 360A-UH-11X APPLICATION PROGRAM MANUAL
74	**G320-1030-0			SHARED HOSPITAL ACCOUNTING SYSTEM (SHAS) TERMINAL OPERATORS REFERENCE GUIDE - PROGRAM NUMBER 360A-UH-11X
39	**G320-1238-0			S/360 - S/370 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE COMPUTING GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5796-AAT
87	**G320-1244-1			CUSTOMER EDUCATION COURSE CATALOG
39	**G320-1408-1			S/360-S/370 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE COMPUTING (MUSIC) ANNOUNCEMENT NOTICE - IUP NUMBER 5796-AAT
71	**G320-1409-1#			CONSOLIDATED FUNCTIONS EQUITY PRODUCTS (CFEP) VARIABLE ANNUITIES, MUTUAL FUNDS - DATAMANN INC., ANNOUNCEMENT NOTICE INSTALLED USER - PROGRAM NUMBER 5796-AAP
81	**G320-1415-1			S/360-S/370 YALE ALUMNI RECORDS DATA SYSTEM (YARDS) ANNOUNCEMENT NOTICE - IUP NUMBER 5796-ABF
63	**G320-1418-1			ON-LINE ORDER SYSTEM - JAMES ALLAN AND SONS - ANNOUNCEMENT NOTICE - IUP NUMBER 5796-ABK
63	**G320-1425-1			DISTRIBUTION ORDER ENTRY SYSTEM ANNOUNCEMENT NOTICE - IUP NUMBER 5796-ABT
64	**G320-1439-0			S/360/370 FILM LIBRARY MANAGEMENT SYSTEM (FLMS) ANNOUNCEMENT NOTICE FOR IUP 5796-ACW (UNIV. OF IOWA)
80	**G320-1440-1			RESPONSIBILITY ACCOUNTING SYSTEM ANNOUNCEMENT NOTICE - IUP NUMBER 5796-ACA
73	**G320-1516-1			AN APL TEXT EDITOR AND COMPOSER 5796-PAC IS READY FOR SHIPMENT - AVAILABILITY NOTICE - PROGRAM NUMBER - 5796-PAC
81	G320-1517-1			APL/PDTS PROGRAMMING DEVELOPMENT TRACKING SYSTEM (PDTS): IUP AVAILABILITY NOTICE PROGRAM NUMBER 5796-PAD
78	G320-1518-1			FLIGHT DATA DISPLAY SYSTEM IUP ANNOUNCEMENT NOTICE PROGRAM NUMBER 5796-PAE
78	G320-1519-0			FLIGHT DATA DISPLAY SYSTEM, GENERAL INFORMATION MANUAL PROGRAM NUMBER 5796-PAE
73	**G320-1520-2			SCRIPT/370 (5796-PAP) IS READY FOR SHIPMENT AVAILABILITY NOTICE
80	**G320-1521-1			DATA DICTIONARY/DIRECTORY WITH CMIS DATA ELEMENT GLOSSARY (5796-PAG) IUP AVAILABILITY NOTICE - PROGRAM NUMBER 5796-PAG
75	**G320-1522-1			MULTICOLUMN DISTILLATION PROGRAM - AVAILABILITY NOTICE IUP - 5796-PAH
80	**G320-1523-1			DBPROTOTYPE (5796-PBB), IMSMAP (5796-PBC), PLIMS (5796-PBF), BTS (5796-PBD), TEST IMS UTILITIES (5796-PBE) ARE NOW READY FOR SHIPMENT AVAILABILITY NOTICE
72	**G320-1524-1			CYCLE-TIME SIMULATOR SYSTEM AVAILABILITY NOTICE - IUP NUMBER 5796-PBG
63	**G320-1525-1			IBM WAREHOUSE SIMULATOR AVAILABILITY NOTICE IUP 5796-PBK 5796-PBK
72	**G320-1526-2#			IBM MULTIPLANT SOURCING ANNOUNCEMENT NOTICE - IUP NUMBER 5796-PBL
85	**G320-1621-28+			IBM MARKETING PUBLICATIONS KWIC INDEX
36	G320-1973-1			CP-67/CMS VERSION 3.1: OPERATOR'S REFERENCE GUIDE (SUMMARY), PROG. NO. 360D-05.2.005
63	**G320-8062-0	**G320-8066		DISTRIBUTION ORDER ENTRY SYSTEM SYSTEM/370 AND 3270'S - IUP
82	**G320-8063-0			ADVANCED STATISTICAL ANALYSIS PROGRAM ASTAP ANNOUNCEMENT NOTICE - IUP NUMBER 5796-PBH
63	**G320-8065-0			TWIN FAIR PO MGMT SYSTEM - IUP # 5796-ADB
32	**G320-8067-0			GENERALIZED CREATE/REORGANIZE UTILITY SYSTEM FOR S/370 EASTMAN KODAK - RELEASE NOTICE - IUP NUMBER 5796-ACZ
87	G520-2467-1#			COURSE SELECTION GUIDE - DP EDUCATION FOR MANAGERS

Part 4. Library Charts

These charts are aids for quickly finding order numbers for System/360 and System/370 publications about a specific machine or programming system, except for those pertaining to the System/360 Model 20. The machine charts are arranged according to the numbers of the system models and the I/O devices. The programming charts are arranged to show prerequisite publications and categories of

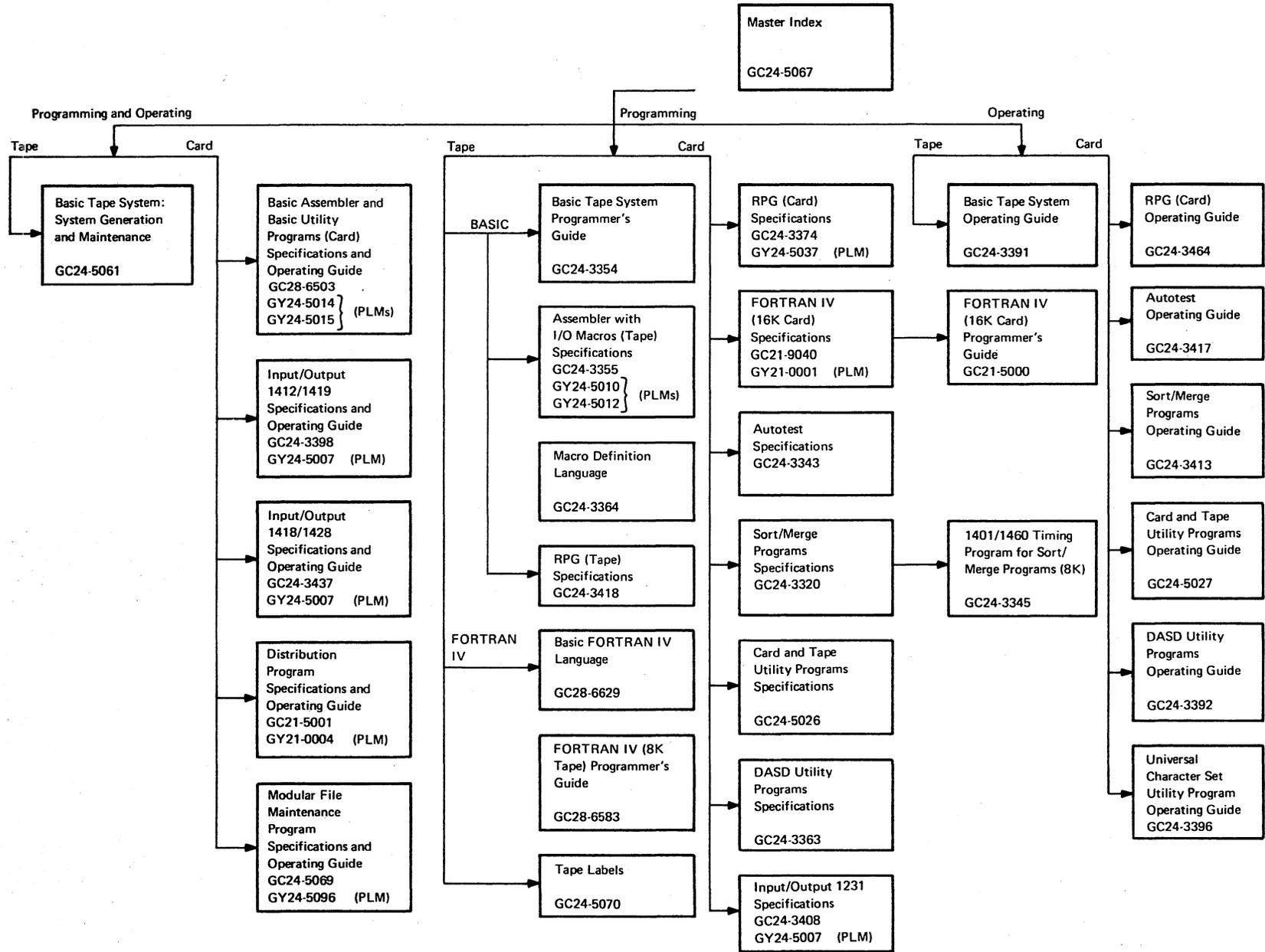
publications for a particular system. To determine the models of System/360 and/or System/370 to which an I/O device currently may attach, see *IBM System/360 Input/Output Configurator*, GA22-6823, and *IBM System/370 Input/Output Configurator*, GA22-7002. See *IBM System/360 Model 20 Bibliography*, GA26-3565, for information about System/360 Model 20 machines and programming systems.

Machine System (see next page for I/O)

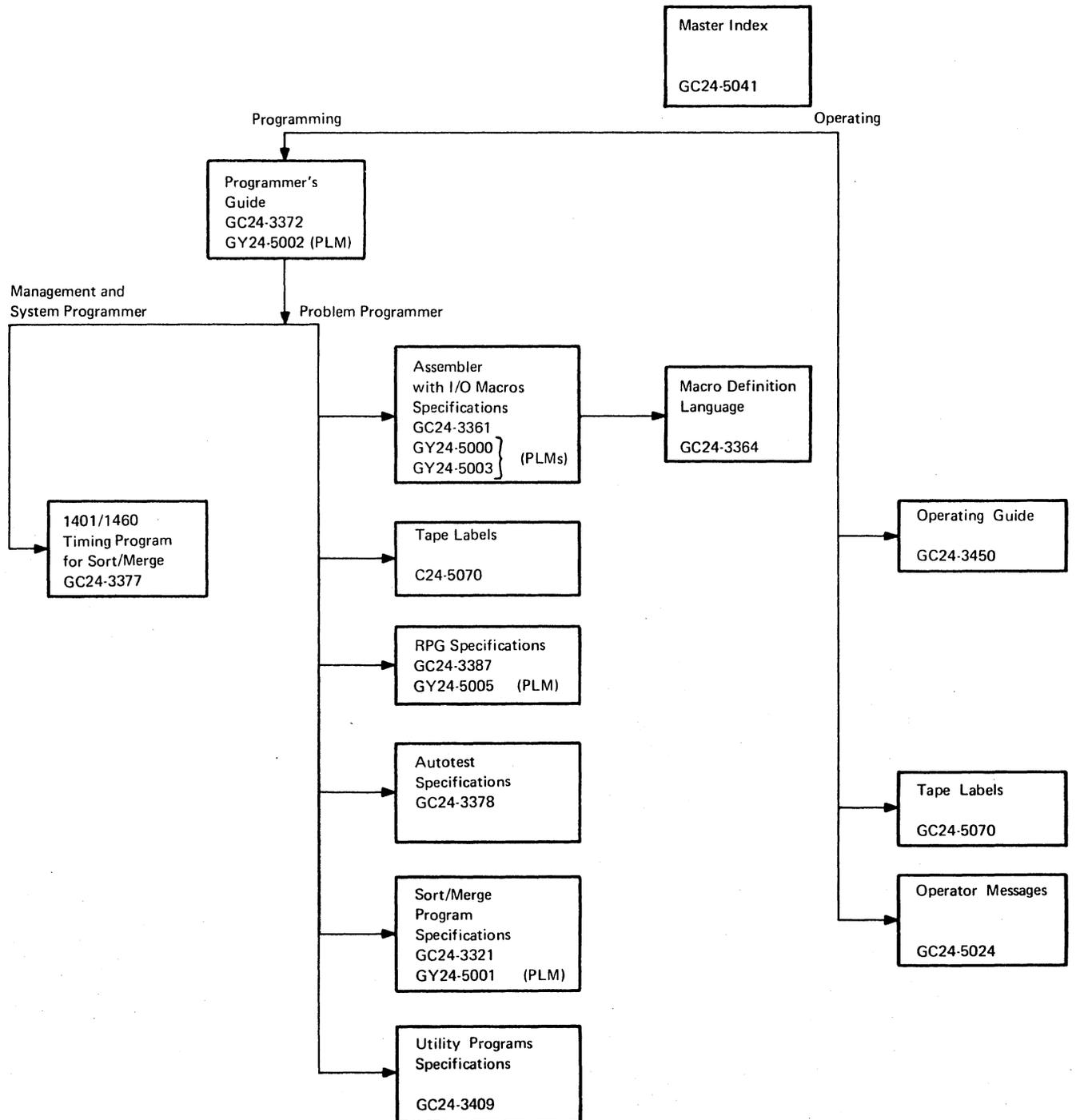
SYSTEM PUBLICATIONS	System Summary	System Reference	System Physical Planning Reference	I/O Configurator	
System/370	GA22-7001	GA22-7000	GC22-7004	GA22-7002	
System/360	GA22-6810	GA22-6821	GC22-6820	GA22-6823	
MODEL PUBLICATIONS	Model Reference	Model Configurator	Model Operating Procedures	Model Physical Planning Template	Other Features
System/370					
Model 145	GA24-3557 GA24-3573		GC38-0015	GX22-7005	
Model 155	GA22-6942 GA22-6962	GA22-6957		GX22-7006	
Model 165	GA22-6935	GA22-6956		GX22-7007	GA22-6955 GA22-6958
Model 195	GA22-6943	GA22-6944	GA22-6954	GX22-6981	
MODEL PUBLICATIONS	Model Reference	Model Configurator	Model Operating Procedures	Model Physical Planning Template	Other Features
System/360					
Model 25	GA24-3510	GA24-3511	GA24-3523	GX22-6894	GA24-3512 GA24-3524 GA24-3526
Model 30	GA24-3231 GA24-3411	GA24-3232	GA24-3373	GX22-6894	GA24-3255 GA24-3365
Model 40	GA22-6881	GA22-6813	GA22-6911	GX22-6894	GL22-6902 GL22-6903 GL22-6904
Model 44	GA22-6875	GA22-6874	GA22-6910	GX22-6914	GA22-6900
Model 50	GA22-6898	GA22-6814	GA22-6908	GX22-6914	GA27-2717
Model 65	GA22-6884	GA22-6887	GA27-2728	GX22-6856 GX22-6924	GA27-2715 GA27-2716 GA27-2717
Model 67	GA27-2719	GA27-2713		GX22-6905	GA27-2715
Model 75	GA22-6889	GA22-6888	GA22-6909	GX22-6856	
Model 85	GA22-6916	GA22-6920	GA22-6927	GX22-6923	GA27-2733
Model 91	GA22-6907	GA22-6907			
Model 195	GA22-6943	GA22-6944	GA22-6954	GX22-6981	

I/O DEVICE OR CONTROL UNIT PUBLICATION	PUBLICATION ORDER NUMBER		I/O DEVICE OR CONTROL UNIT PUBLICATION	PUBLICATION ORDER NUMBER	
	Reference Manual	Physical Planning Template		Reference Manual	Physical Planning Template
50 Magnetic Data Inscrber Model 1	GA27-2725		2401 Magnetic Tape Unit Models 1-6, 8	GA22-6866	GX22-6855
1017 Paper Tape Reader Models 1, 2	GA33-4500	GX22-6834	2415 Magnetic Tape Unit And Control Models 1-6	GA22-6866	GX22-6855
1018 Paper Tape Punch Model 1	GA33-4500	GX22-6834	2420 Magnetic Tape Unit Model 5	GA32-0007	GX22-6855
1051 Control Unit Models 1, N1	*	GX22-6894 GX24-3381	2420 Magnetic Tape Unit Model 7	GA22-6866	GX22-6855
1052 Printer-Keyboard Models 3, 5, 8	*	GX22-6894	2495 Tape Cartridge Reader Model 1	GA27-2726	GX22-6855
1052 Printer-Keyboard Model 7	GA22-6877	GX22-6894	2501 Card Reader Models B1, B2	GA21-9026	GX22-6834
1053 Printer Models 1, 4	*	GX22-6894	2520 Card Punch Modes B1-B3	GA21-9027	GX22-6834
1231 Optical Mark Page Reader Model N1	GA21-9031 (GA21-9012)	GX22-6860	2540 Card Read Punch Model 1	GA21-9033	GX22-6834
1255 Magnetic Character Reader Models 1-3	GA24-3542		2560 Multifunction Card Machine Model A1	GA28-5893	GX22-6894
1259 Magnetic Character Reader Model 2	GA24-3500	GX22-6860	2671 Paper Tape Reader Model 1	GA24-3388	GX22-6834
1285 Optical Reader Model 1	GA24-3256	GX22-6860	2701 Data Adapter Unit Model 1	GA22-6864	GX22-6857
1287 Optical Reader Model 1-4	GA21-9064	GX22-6860	2702 Transmission Control Model 1	GA22-6846	GX22-6857
1288 Optical Page Reader Model 1	GA21-9081	GX22-6860	2703 Transmission Control Model 1	GA27-2703	GX22-6857
1403 Printer Models 2, 3, 7, N1	GA24-3073 (GA24-3488)	GX22-6834	2803 Tape Control Models 1, 2, 3	GA22-6866	GX22-6855
1404 Printer Model 2	GA24-1446	GX22-6834	2804 Tape Control Models 1, 2, 3	GA22-6866	GX22-6855
1412 Magnetic Character Reader Model 1	GA24-1421	GX22-6860	2816 Switching Unit Model 1	GA22-6866	GX22-6855
1418 Optical Character Reader Models 1, 2	GA24-1473 (GA24-1452) (GA24-3081)	GX22-6860	2820 Storage Control Model 1	GA22-6895	GX22-6858
1418 Optical Character Reader Model 3	GA24-1473 (GA24-1452) (GA24-3081)	GX22-6860	2821 Control Unit Models 1-5	GA24-3312	GX22-6834
1419 Magnetic Character Reader Model 1	GA24-1499 (GA24-3342)	GX22-6860	2822 Paper Tape Reader Control Model 1	GA24-3388	GX22-6834
1419 Magnetic Character Reader Model 32	GA19-0023		2826 Paper Tape Control Models 1, 2	GA33-4500	GX22-6834
1428 Alphameric Optical Reader Models 1, 2	GA24-1473 (GA24-1452) (GA24-3081)	GX22-6860	2835 Storage Control Models 1, 2	GA26-1589	
1428 Alphameric Optical Reader Model 3	GA24-1473 (GA24-1452) (GA24-3081)	GX22-6860	2840 Display Control Model 2	GA27-2721	GX22-6859
1442 Card Read Punch Model N1, N2	GA21-9025	GX22-6834	2841 Storage Control Model 1	GA26-5988	GX22-6858
1443 Printer Model N1	GA24-3120 (GA24-3488)	GX22-6834	2844 Auxiliary Storage Control Model 1	GA26-3599	GX22-6858
1445 Printer Model N1	GA24-3120	GX22-6834	2848 Display Control Models 1-3, 21, 22	GA27-2700 (GC20-1688)	GX22-6859
1827 Data Control Unit Model 1	GA22-6868 (GA22-6872)	GX26-5508	3210 Console Printer - Keyboard Models 1, 2	GA24-3552	GX22-7006
2150 Console Model 1	GA22-6877	GX22-6859	3211 Printer	GA24-3543	
2250 Display Unit Model 1	GA27-2701 (GA27-2702)	GX22-6859	3215 Console Printer - Keyboard Model 1	GA24-3550	GX22-7006
2250 Display Unit Model 3	GA27-2721 (GA27-2723)	GX22-6859	3272 Control Unit Models 1 & 2	GA27-2739	
2260 Display Station Models 1, 2	GA27-2700 (GC20-1688)	GX22-6859	3277 Display Station	GA27-2739	
2285 Display Copier Model 1	GA27-2730	GX22-6859	3330 Disk Storage Model 1	GA26-1592	
2301 Drum Storage Model 1	GA22-6895 (GC20-1649)	GX22-6858	3420 Magnetic Tape Unit Models 3, 5, 7	GA32-0020	
2302 Disk Storage Models 3, 4	GA26-5988 (GC20-1649)	GX22-6858	3505 Card Reader Models B1, B2	GA21-9124	
2303 Drum Storage Model 1	GA26-5988	GX22-6858	3525 Card Punch Models P1-P3	GA21-9124	
2305 Fixed Head Storage Models 1, 2	GA26-1589		3803 Tape Control Model 1	GA32-0020	
2311 Disk Storage Drive Model 1	GA26-5988 (GC20-1649)	GX22-6858	3811 Control Unit	GA24-3543	
2312 Disk Storage Model A1	GA26-3599	GX22-6858	3830 Storage Control Model 1	GA26-1592	
2313 Disk Storage Model A1	GA26-3599	GX22-6858	4481 Film Reader - Recorder	GA36-0002	
2314 Direct Access Storage Facility Model 1, A Series, B Series	GA26-3599 (GC20-1649)	GX22-6858	7770 Audio Response Unit Model 3	GA27-2712	GX22-6857
2318 Disk Storage Model A1	GA26-3599	GX22-6858	7772 Audio Response Unit Model 3	GA27-2711 (GA27-2710)	GX22-6857
2319 Disk Storage Models A1-A3, B1 & B2	GA26-1606	GX22-6858			
2321 Data Cell Drive Model 1	GA26-5988 (GA26-3633) (GC20-1649)	GX22-6858			

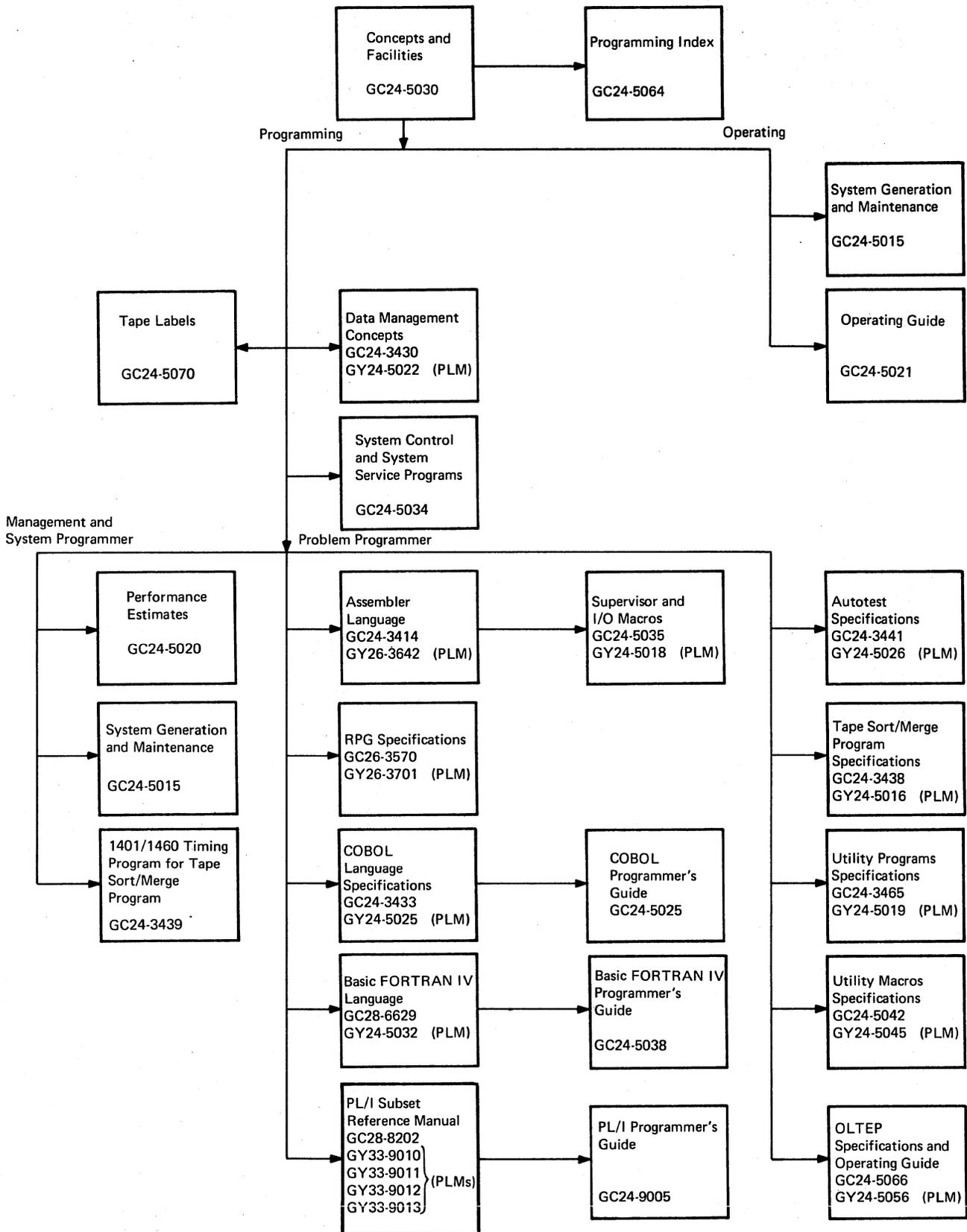
*See Supplemental Bibliography: Teleprocessing/Data Collection, order No. GA24-3089.
Publications shown in parentheses are related but not primary references.



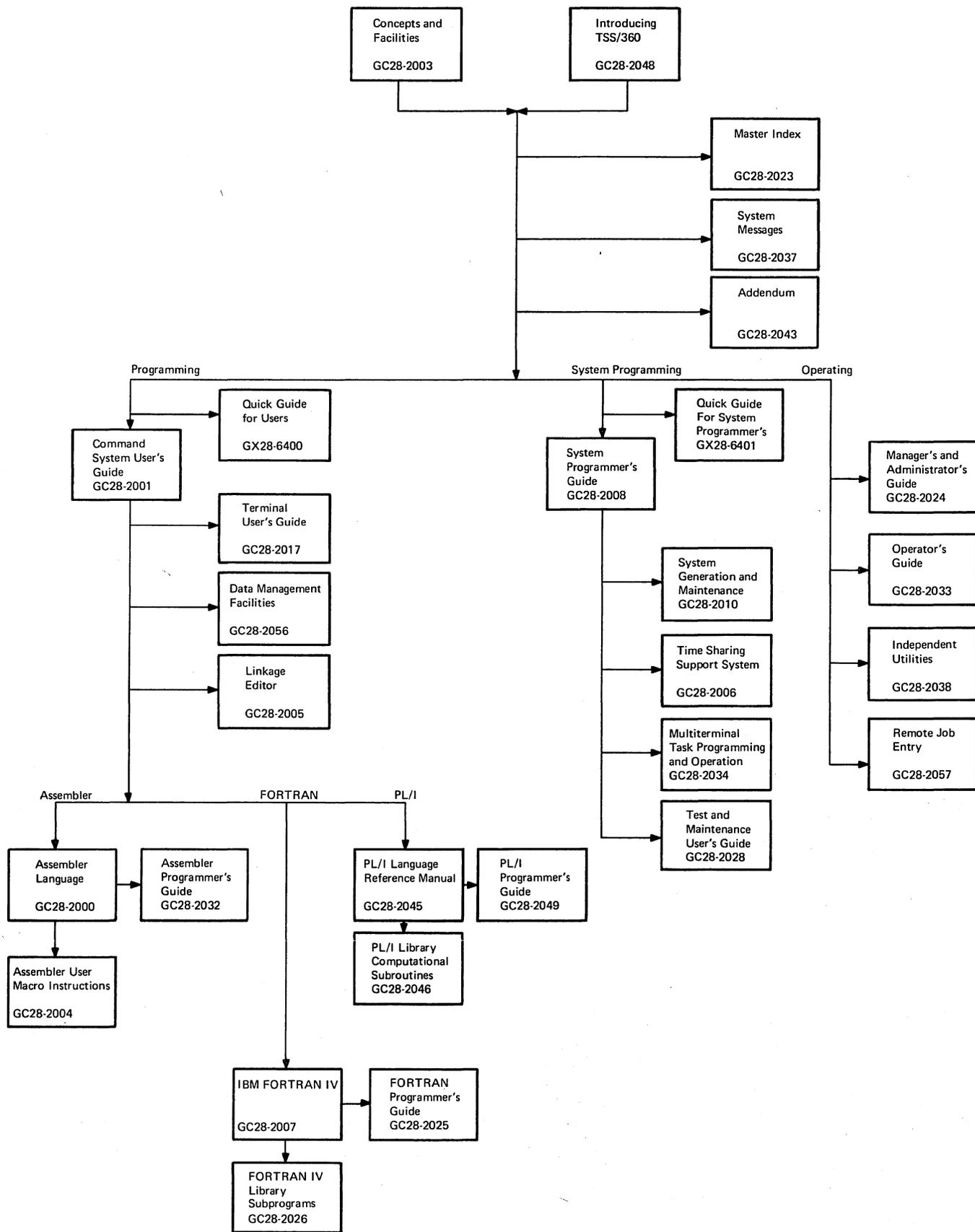
Basic Operating System



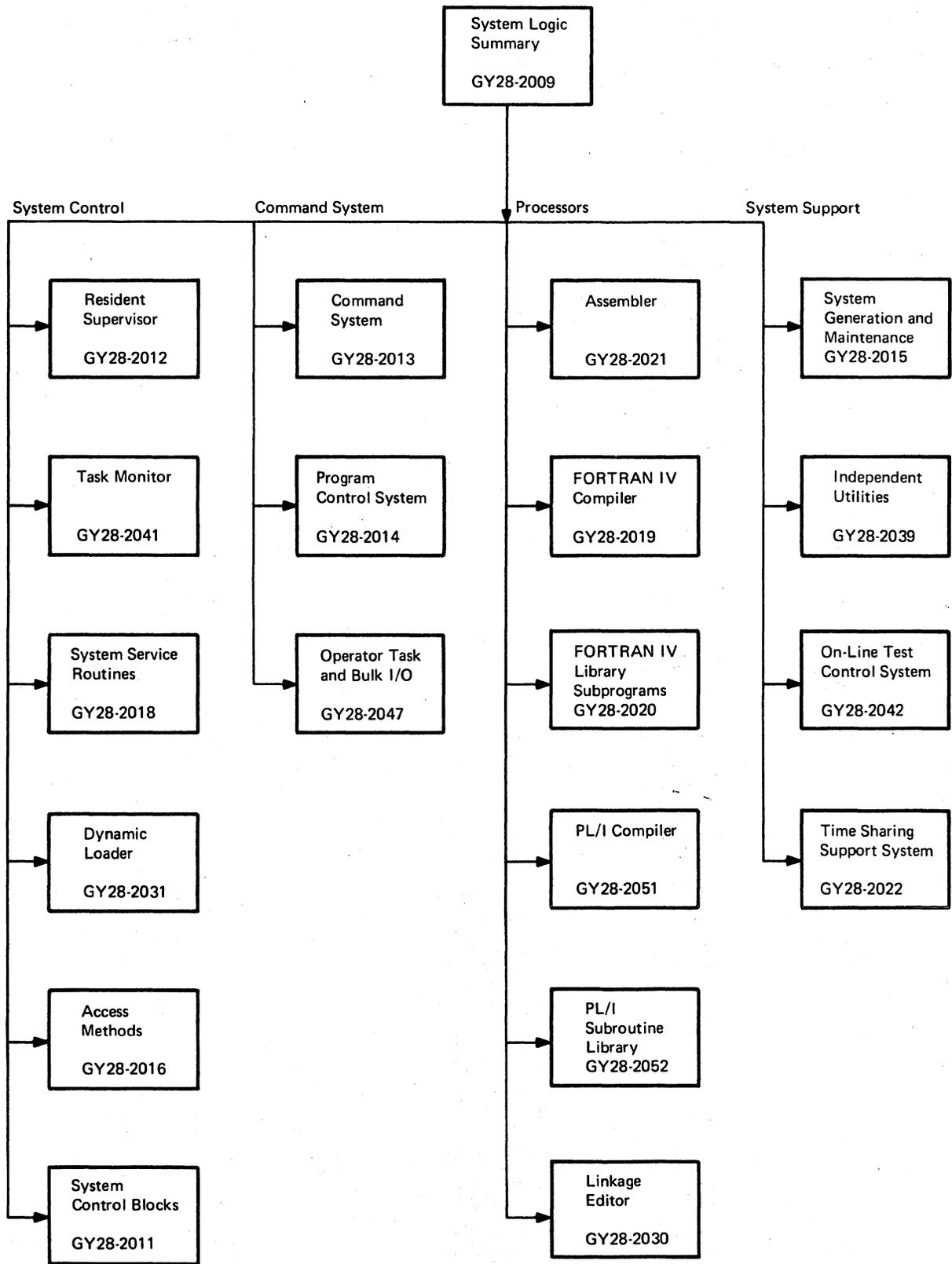
Tape Operating System



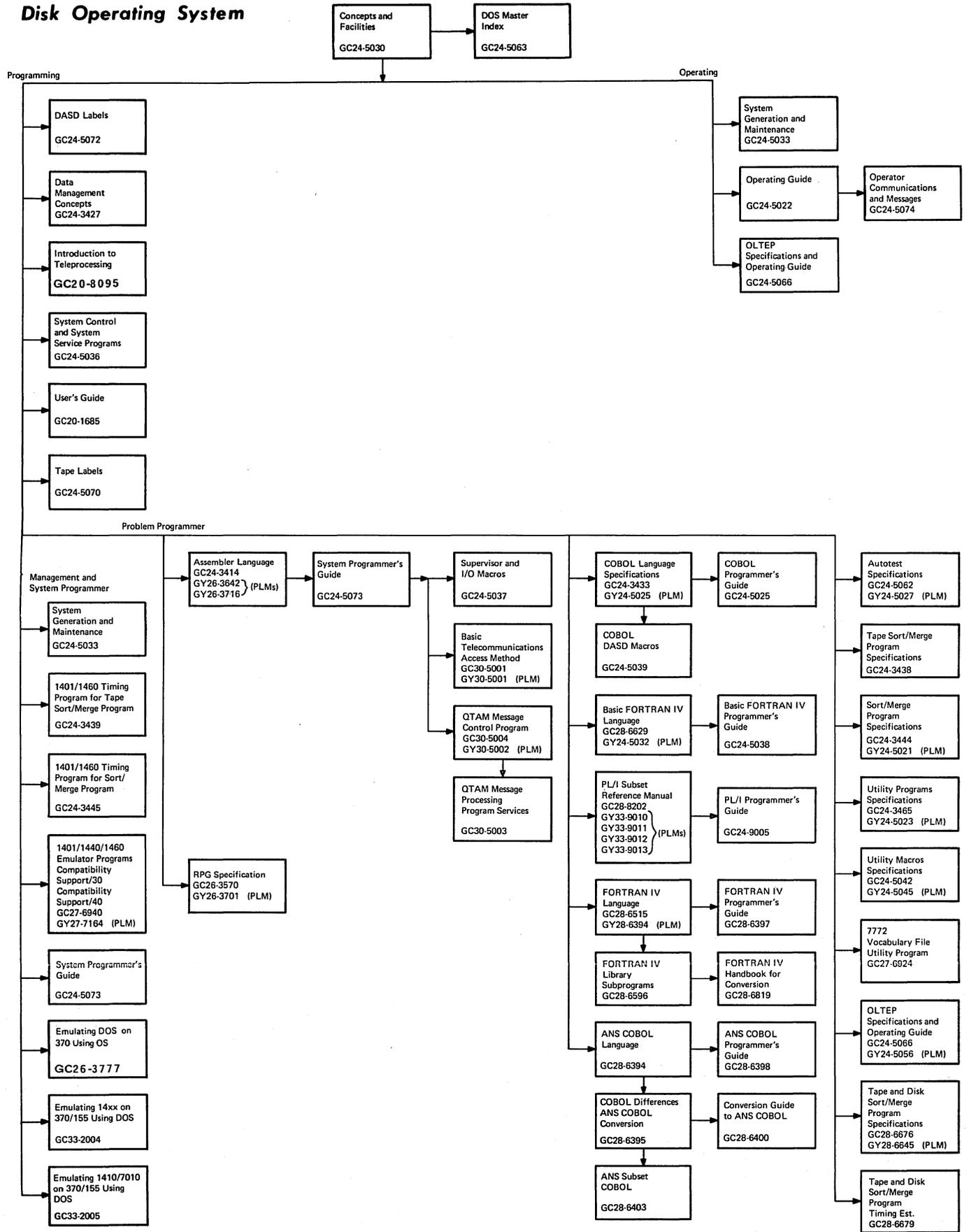
Time Sharing System-SRLs



Time Sharing System-PLMs



Disk Operating System



GENERAL

Introduction GC28-6534	Master Index GC28-6644 GY28-6717 (PLM)	Bibliography GA22-6822	OS FE Handbook S228-3169	Release Guides 19 GC28-6733-1 20.7 GN28-2516 20.0 GT28-6730 21.0 GT00-0072 20.1 GT00-0027 21.6 GT00-0122 20.6 GN28-2498 21.7 GC28-6730-5 GN28-2514
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SYSTEM PLANNING/ INSTALLATION

MFT Guide GC27-6939	MVT Guide GC28-6720	Storage Estimates GC28-6551	System Generation GC28-6554	Feature Guide GC28-6716
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OPERATOR ORIENTED

Messages & Codes GC28-6631	Operator's Reference GC28-6691	Operator's Procedures GC28-6692	Operator's Guide for Display Consoles GC27-6949	CRJE Terminal User's Guide GC30-2014	User's Guide for Job Control from the 2250 Display Unit GC27-6933	User's Guide for Job Control from 2250 Display Unit Attached to 1130 System GC27-6938
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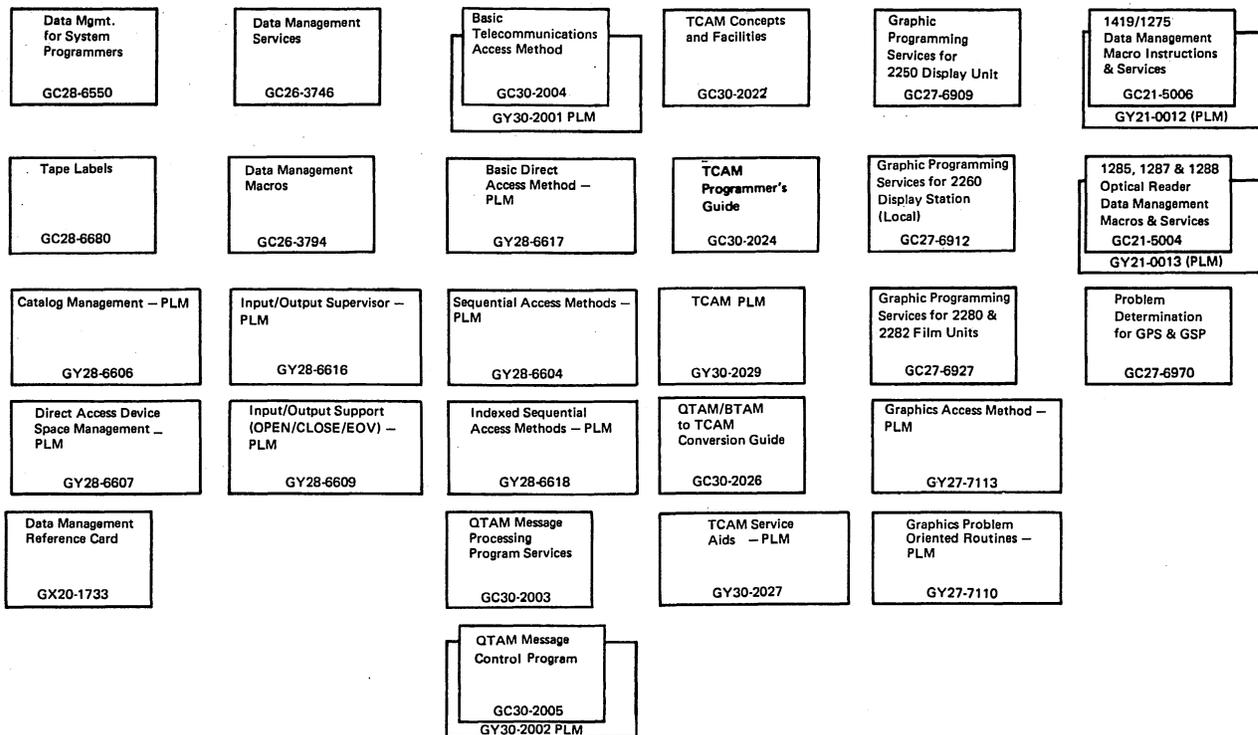
CONTROL PROGRAM

JCL Reference GC28-6704	JCL SYNTAX Reference Summary GX28-6783	System Control Blocks GC28-6628	Programmer's Guide to Debugging GC28-6670	Supervisor Services and Macros GC28-6646	Intro. to Main Storage Hierarchy Support for IBM 2361 Mod 1 & 2 GC27-6942	CRJE System Programmer's Guide GC30-2016
Introduction to Control Program Logic - PLM GY28-6605	PCP Job Management - PLM GY28-6613	Job Management with MFT - PLM GY27-7128	MVT Job Management - PLM GY28-6660	CRJE Concepts and Facilities GC30-2012 GY30-2011 (PLM)	Graphic Job Processor PLM GY27-7159	
Initial Program Loader and Nucleus Initialization Program - PLM GY28-6661	PCP Supervisor - PLM GY28-6612	MFT Supervisor - PLM GY27-7236	MVT Supervisor - PLM GY28-6659	Remote Job Entry Program GC30-2006 GY30-2005 (PLM)	System/360 Job Processing from a Remote 1130/2250 Subsystem - PLM GY27-7166	

TIME SHARING

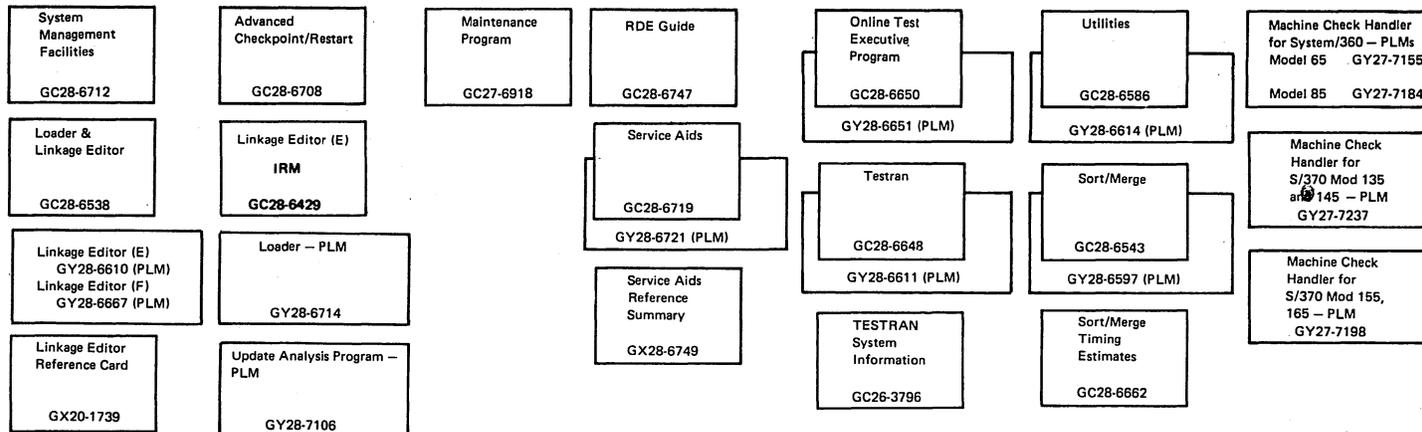
TSO Guide GC28-6698	TSO Command Language Reference GC28-6732	TSO Terminal User's Guide GC28-6763	TSO Guide to Writing a TMP or CP GC28-6764	TSO Control Program - PLM GY27-7199	TSO Command Processors - PLMs GY28-6771 GY28-6772 GY28-6773 GY28-6774 GY28-6775 GY28-6776 GY28-6777
TSO Command Language Reference Summary GX28-6781	TSO Terminals GC28-6762	TSO Catalog Management - PLM GY28-6606	TSO Terminal Monitor Program - PLM GY28-6770		

**DATA MANAGEMENT/
ACCESS METHODS**

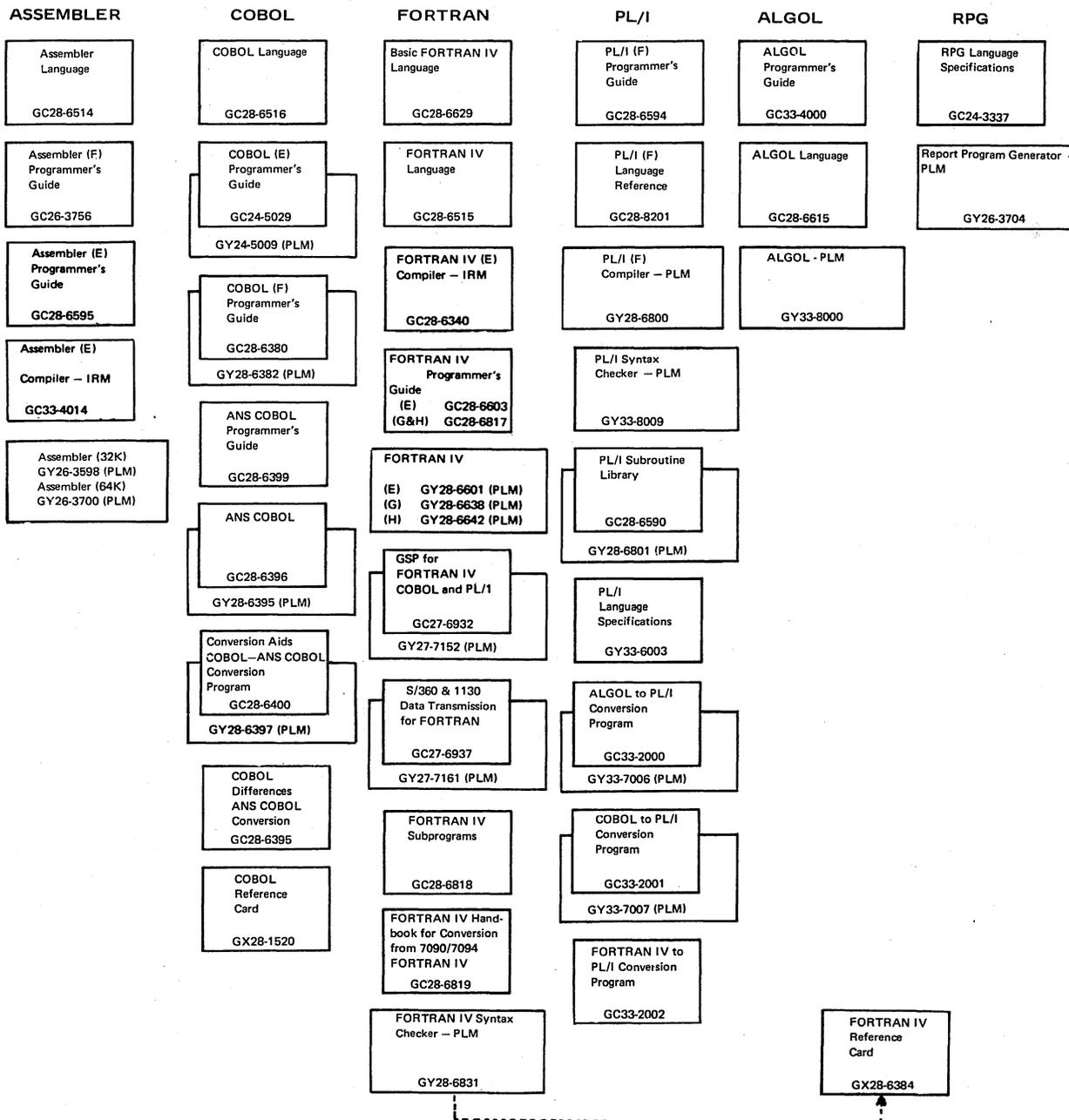


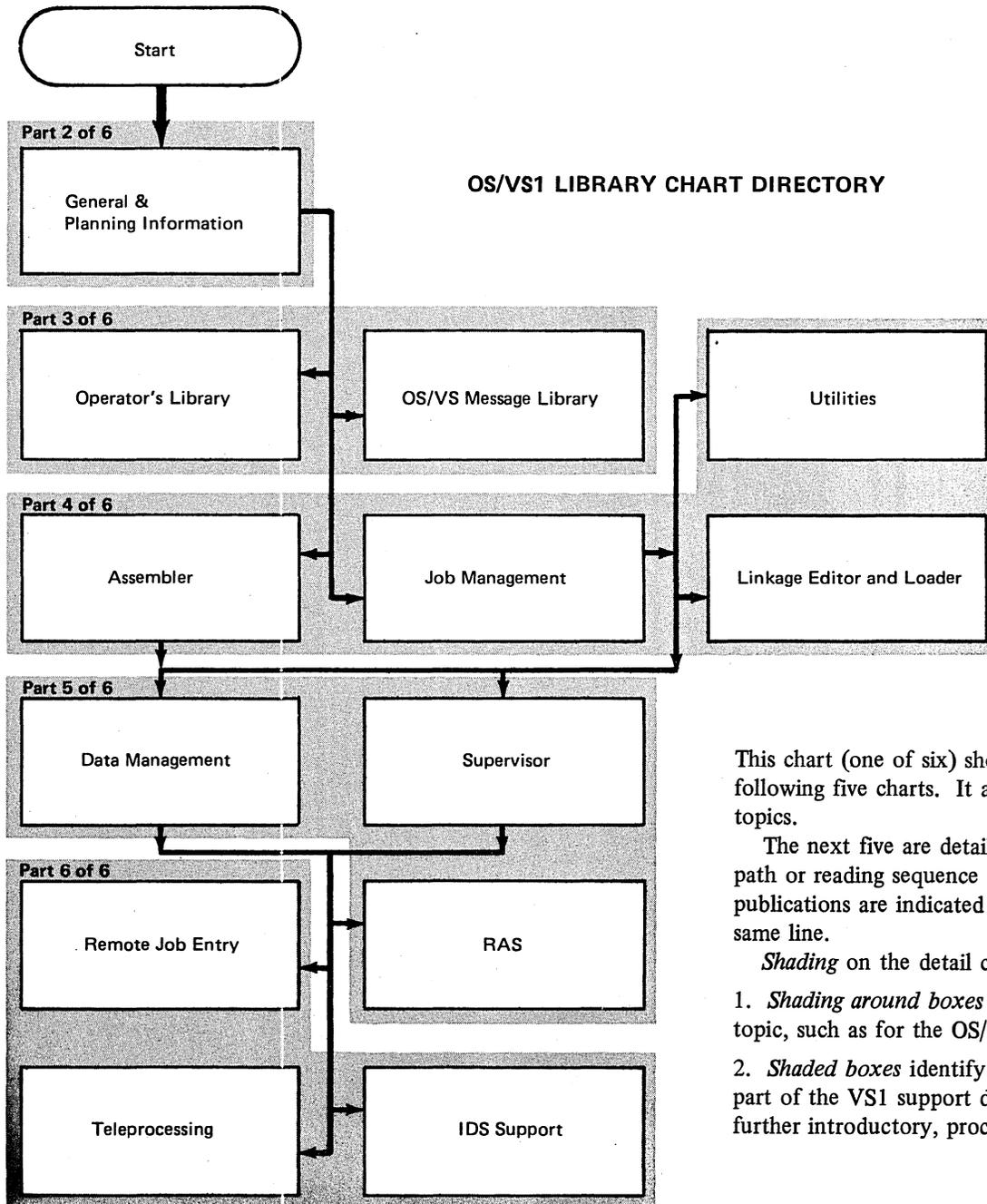
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SUPPORT PROGRAMS



LANGUAGE PROGRAMS





This chart (one of six) shows the general organization of the following five charts. It also shows the relationships among topics.

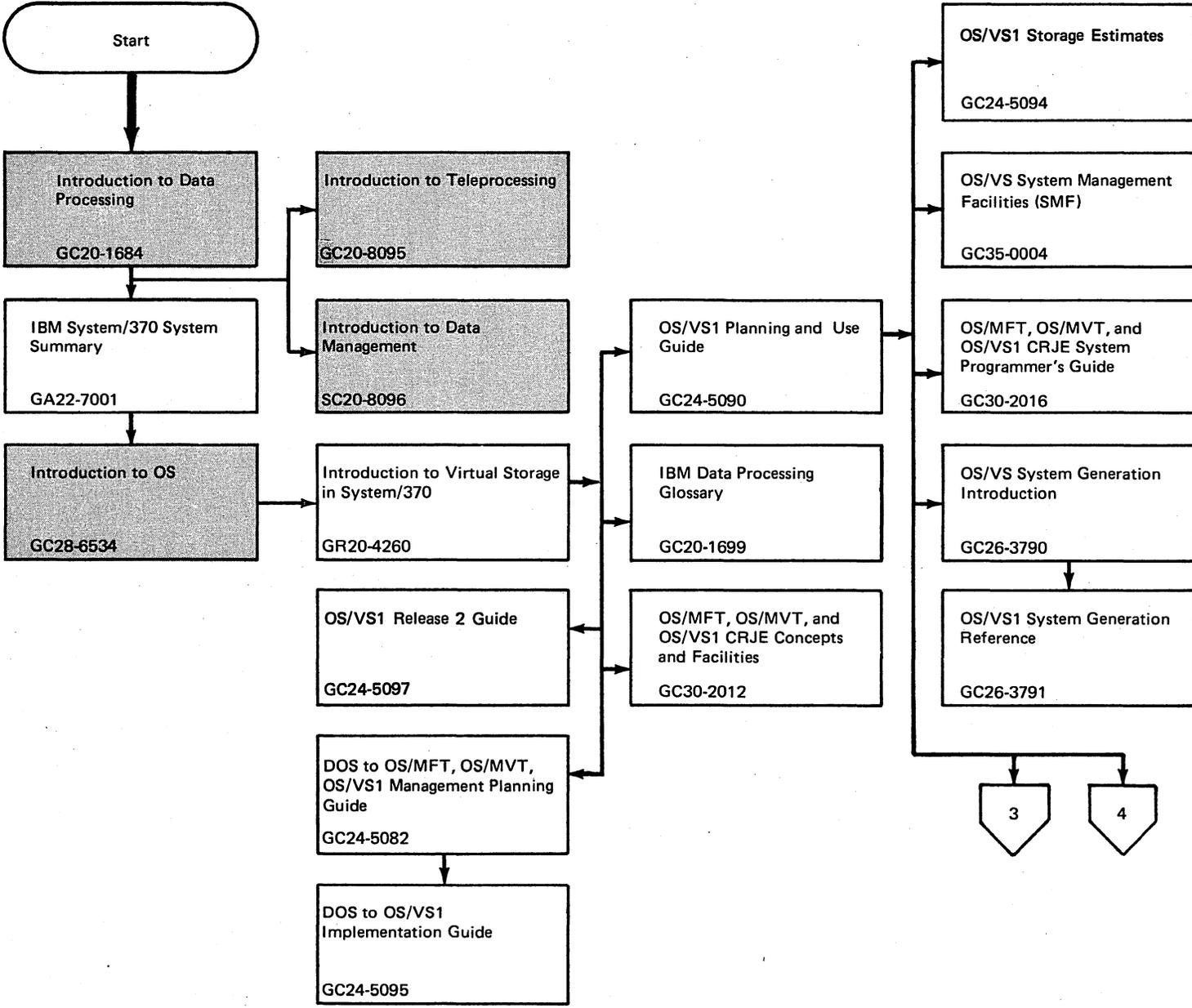
The next five are detail charts suggesting an information path or reading sequence through the VS1 library. Corequisite publications are indicated by arrowheads at both ends of the same line.

Shading on the detail charts is used in two ways:

1. *Shading around boxes* groups publications according to topic, such as for the OS/VS message library.
2. *Shaded boxes* identify books that are not an immediate part of the VS1 support documentation, but which provide further introductory, procedural, and reference information.

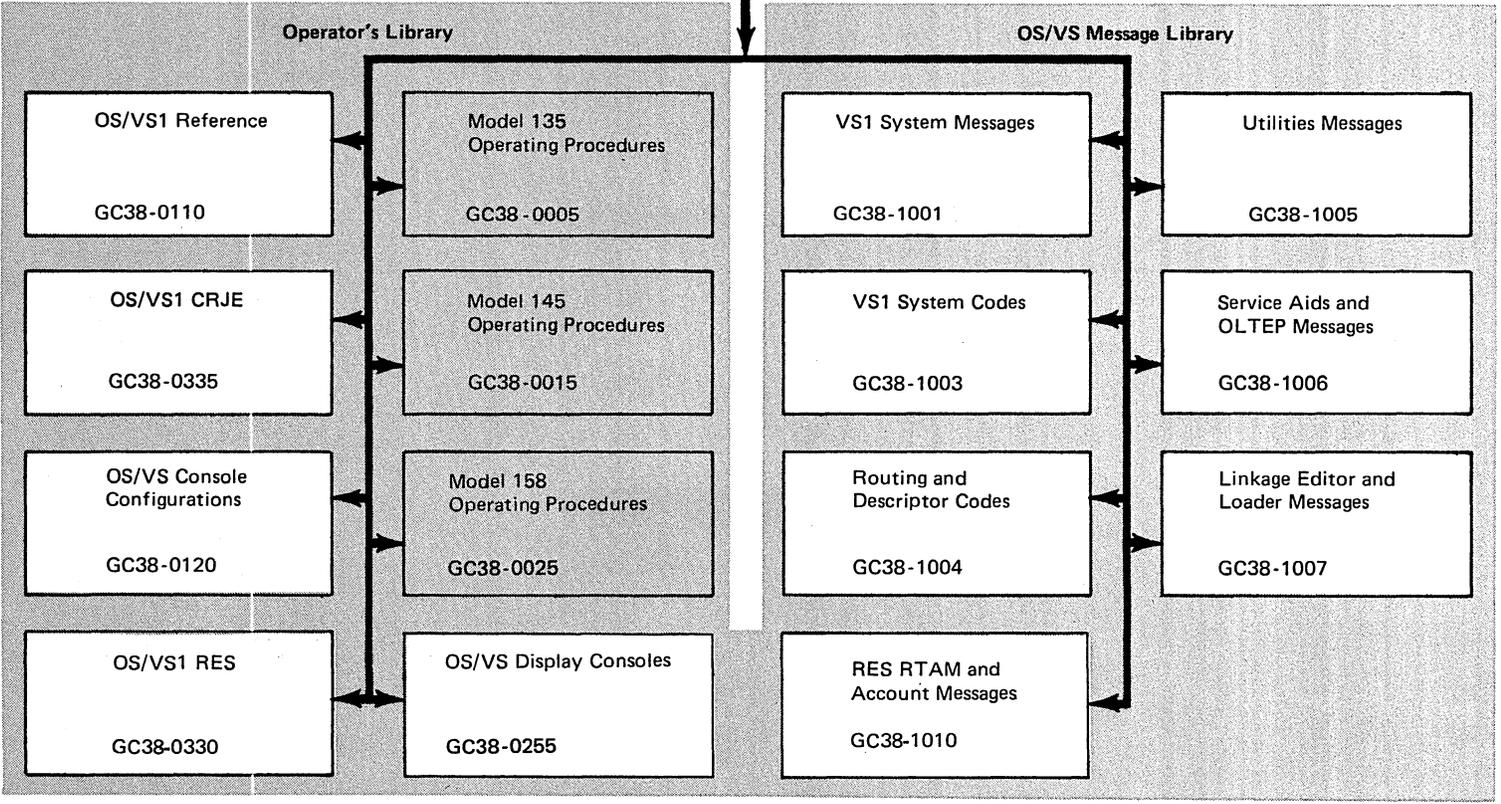
GENERAL & PLANNING INFORMATION

OS/VS1 Release 2 (Chart 2 of 6)

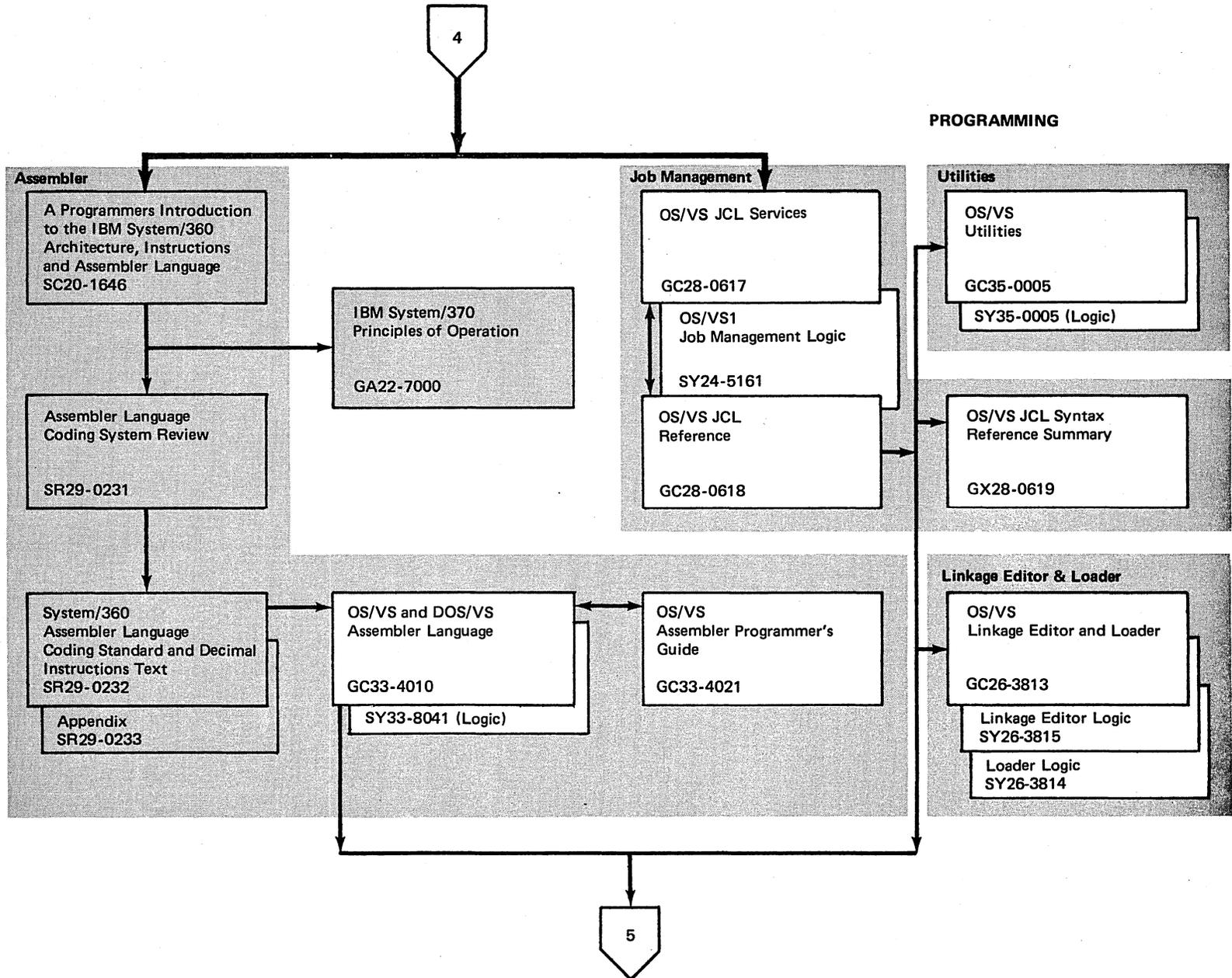


**OPERATIONS
& MESSAGES**

3

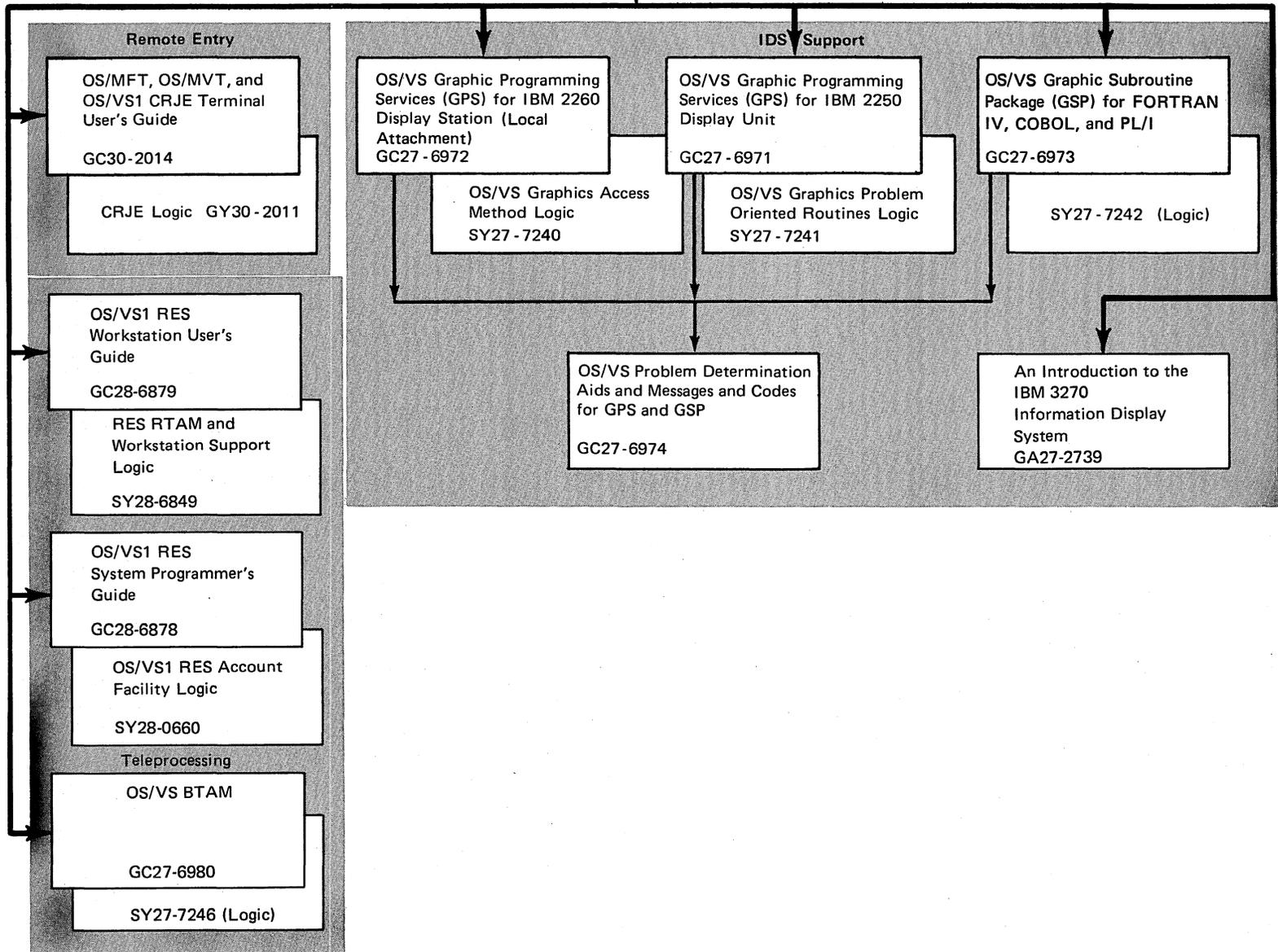


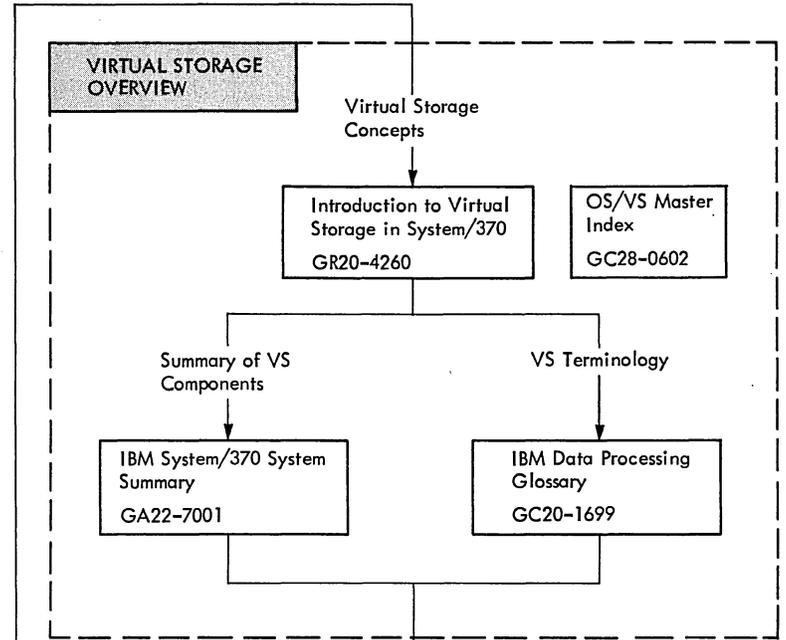
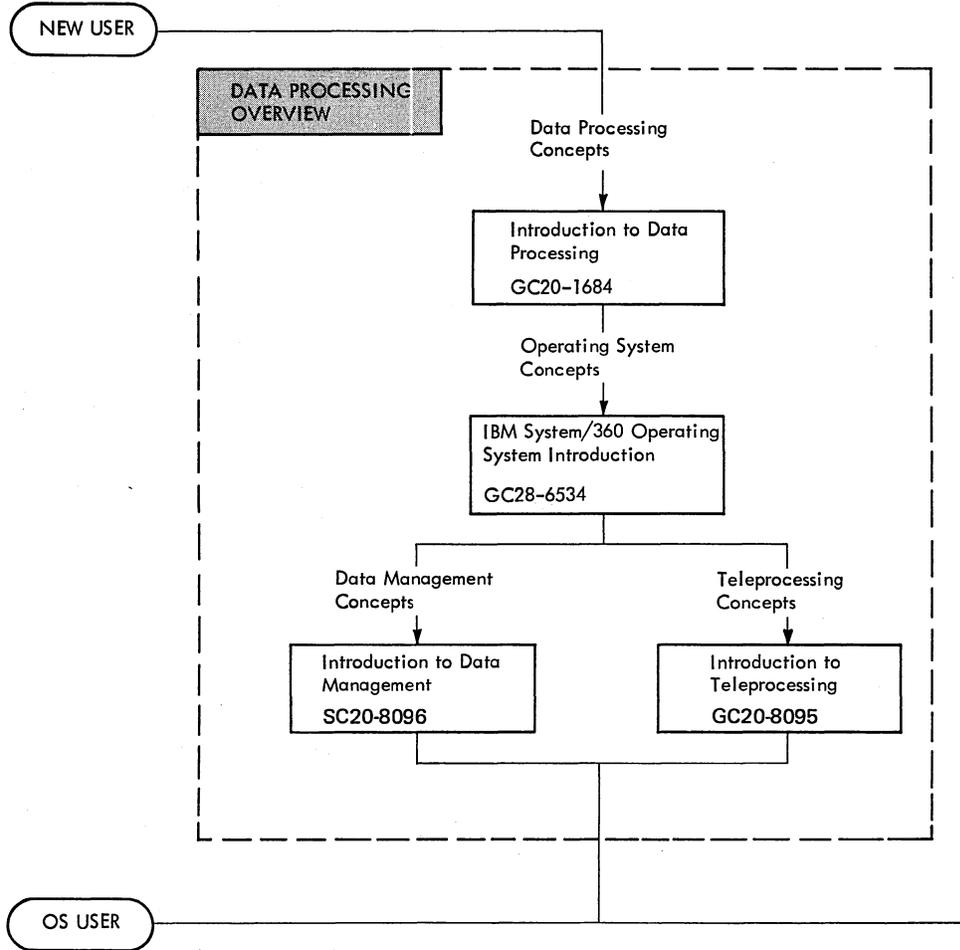
OS/VS1 Release 2 (Chart 3 of 6)



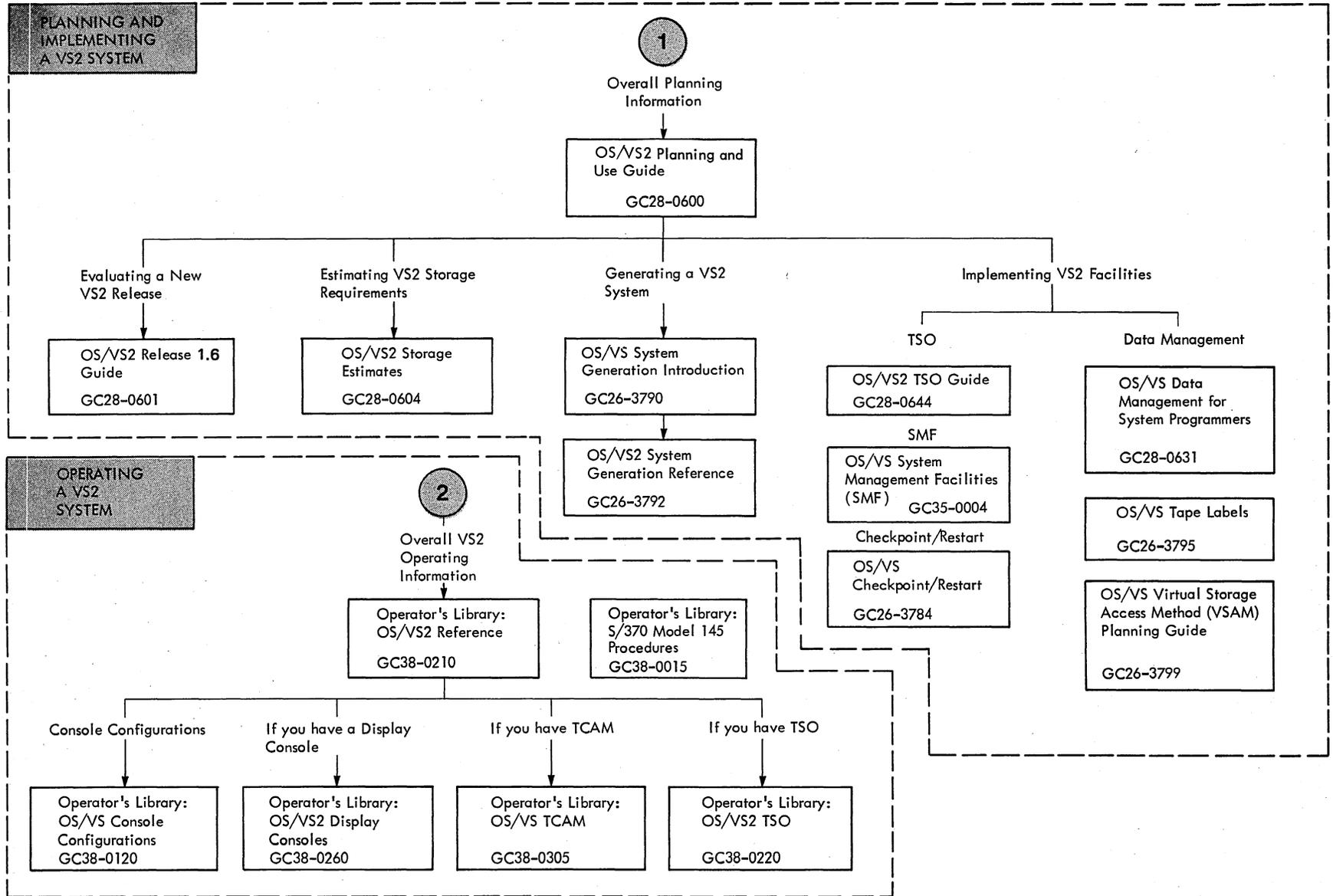
6

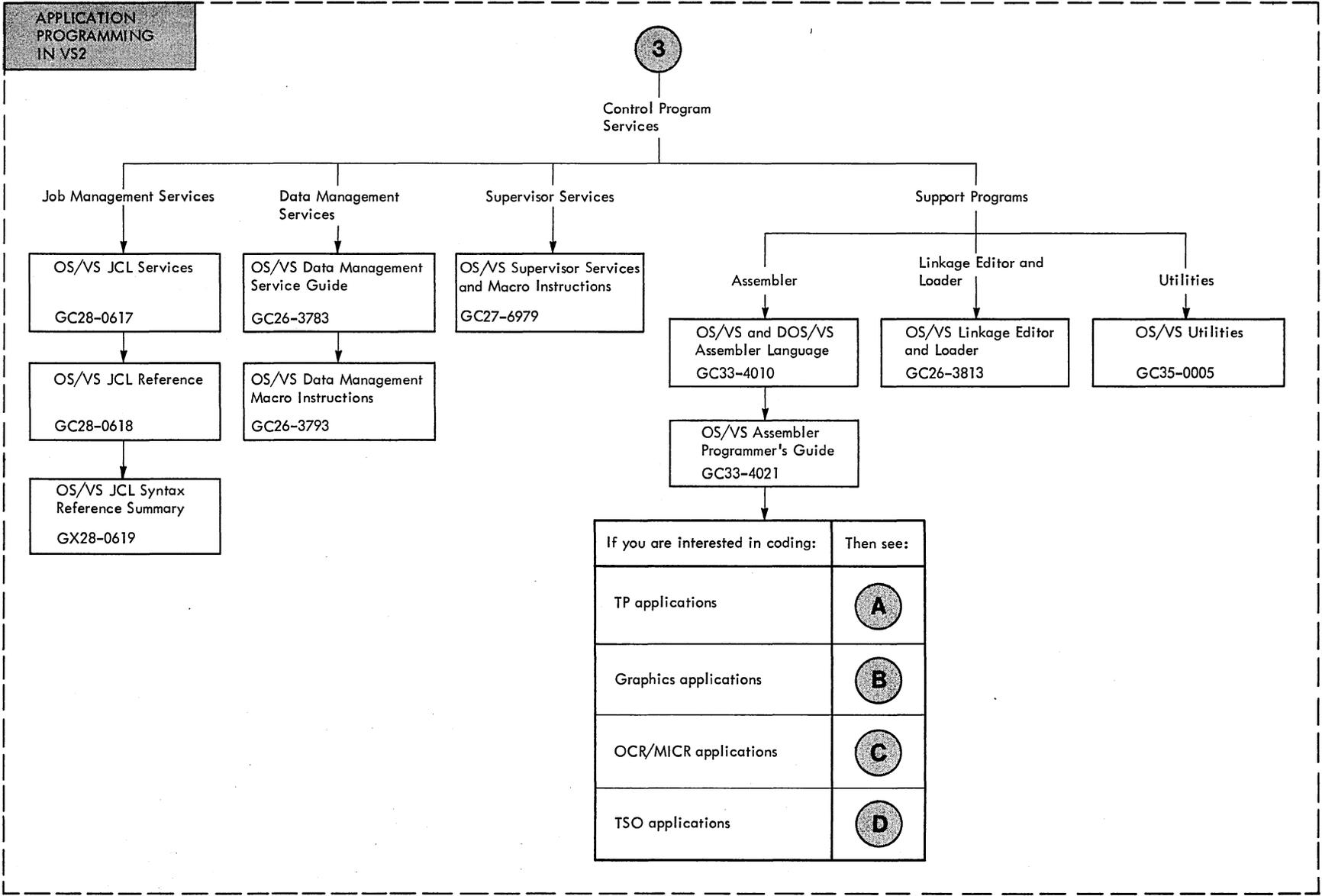
OS/VS1 Release 2 (Chart 6 of 6)



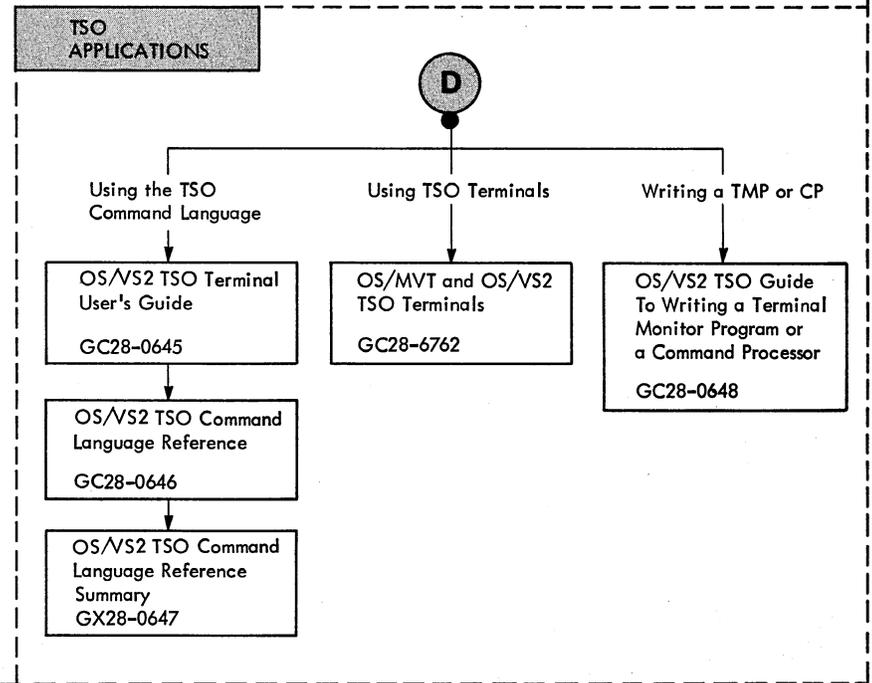
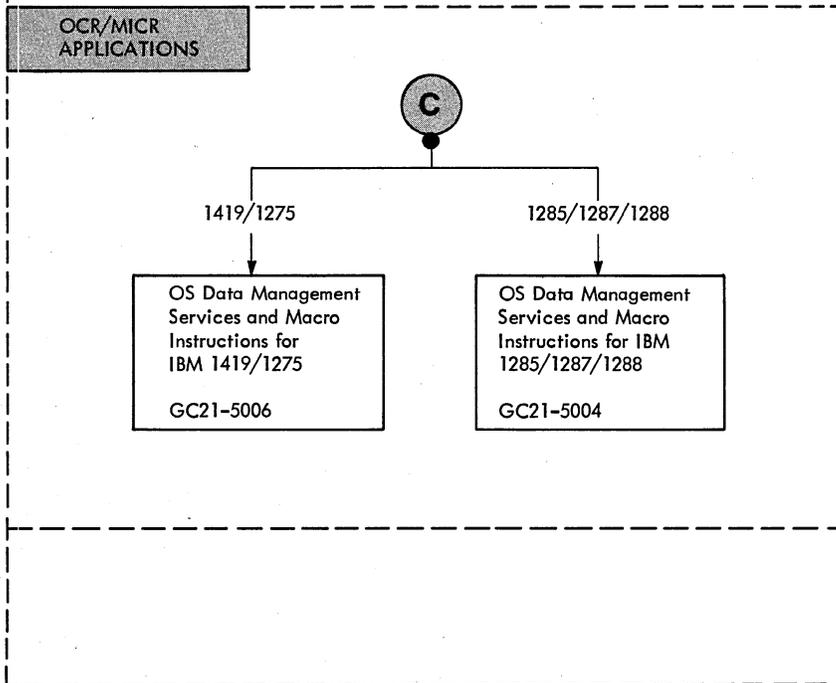
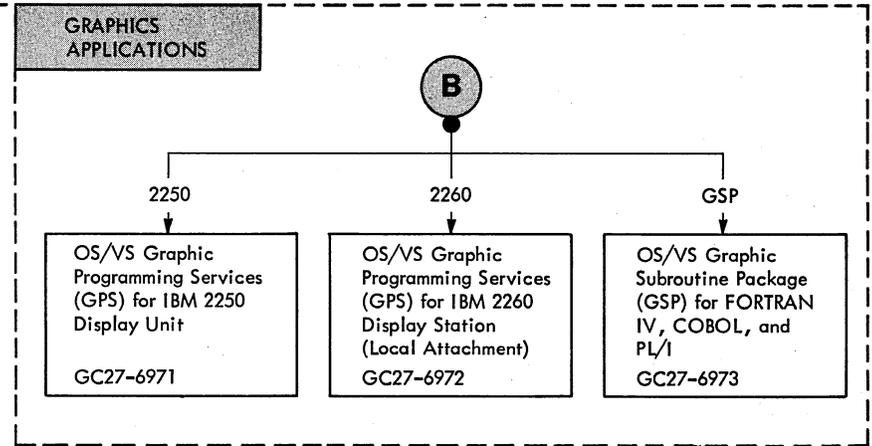
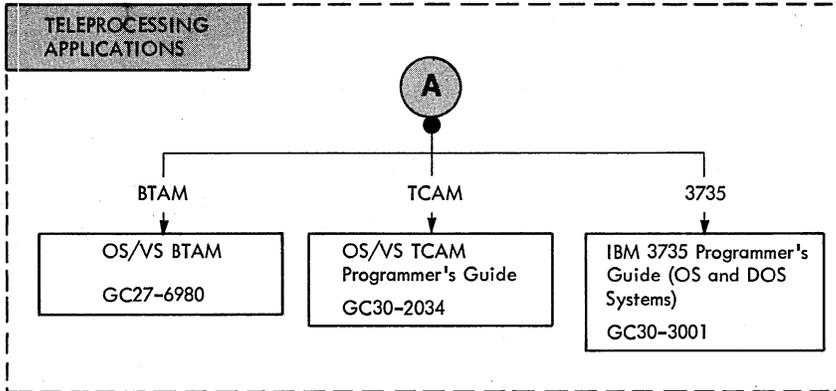


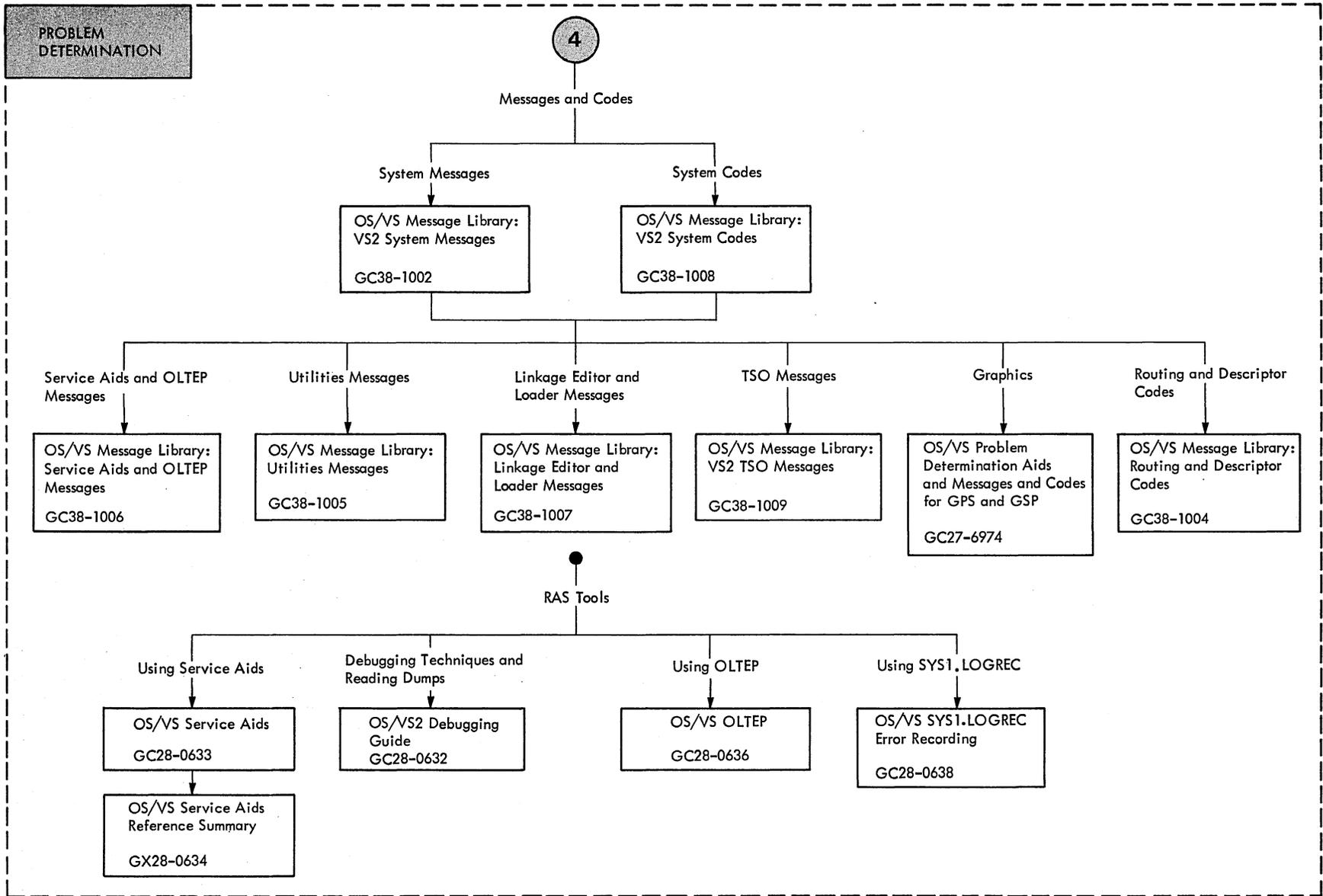
IF YOU ARE INTERESTED IN:	THEN SEE:
PLANNING AND IMPLEMENTING A VS2 SYSTEM	1
OPERATING A VS2 SYSTEM	2
PROGRAMMING APPLICATIONS IN A VS2 SYSTEM	3
PROBLEM DETERMINATION AIDS IN VS2	4
MAINTAINING OR MODIFYING A VS2 SYSTEM	5

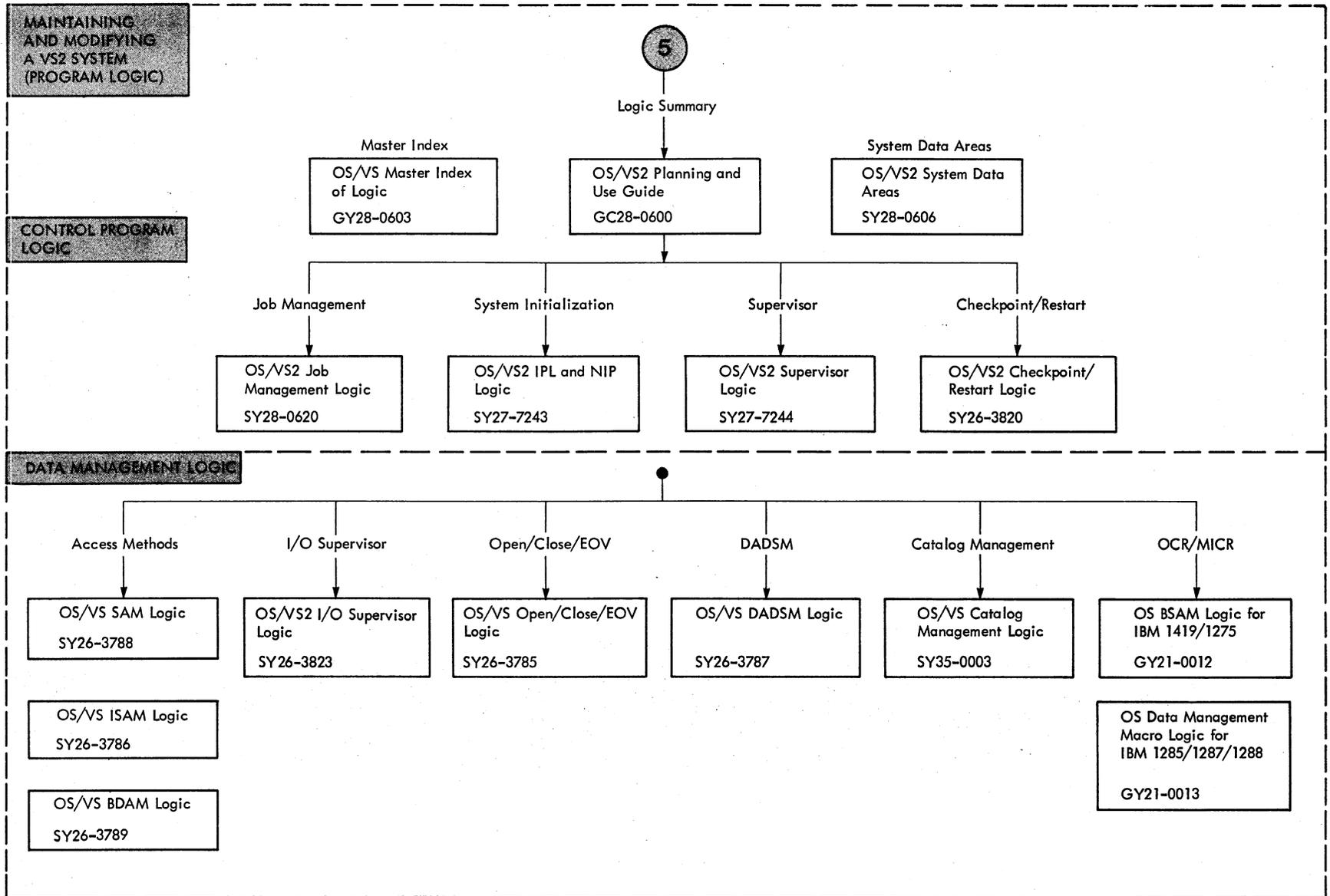


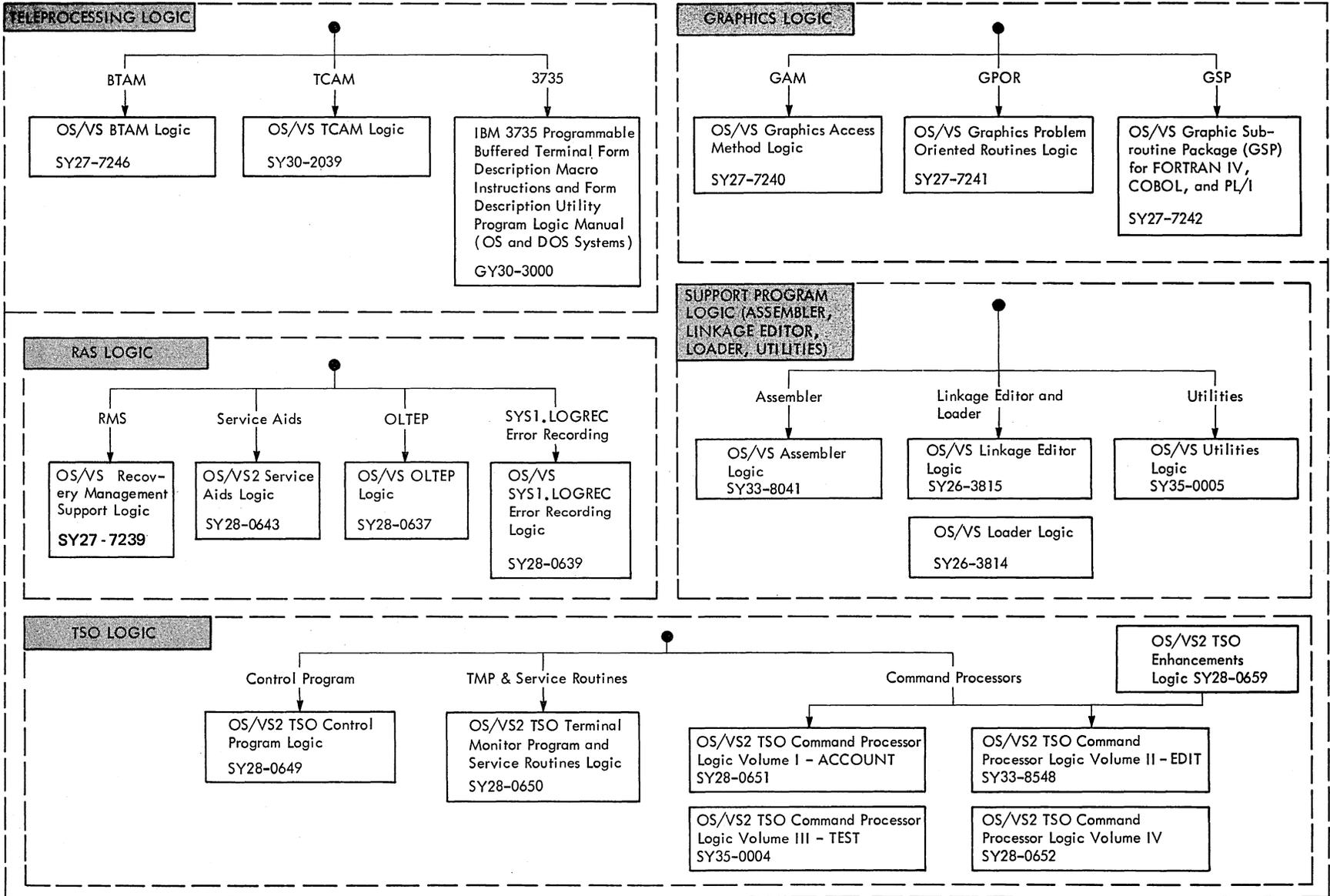


If you are interested in coding:	Then see:
TP applications	A
Graphics applications	B
OCR/MICR applications	C
TSO applications	D











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