

Systems

IBM System/370 Bibliography

For use by all who plan for, install, program, or operate an IBM System/370, this bibliography describes technical publications in support of:

- System/370 machine components;
- System Control Programming (SCP);
- Selectable Units;
- DB/DC – and other system licensed programs;
- Type I programming support for System/370 only;
- Other supplementary information (e.g., forms, PTF listings).

Features, and kinds of information included, are:

- Titles and *abstracts*, with page counts;
- Clustering* and sequencing of items by title within subject;
- Second listing of all publications in *order-number* sequence, with *subject codes* . . . codes explained and indexed;
- Specific page lookup by program *acronym*;
- Description of *Selectable Unit* documentation (e.g., System Library Supplements) and its distribution;
- Current *status* of all publications listed, with TNLS;
- SLSS publication profiles* used for distributing items . . . explanation of these profiles;
- Graphic *library charts* for machines and programming;
- Order numbers and details on order-numbering system, including *pseudonumbers* (temporary order numbers).

This bibliography is regularly updated to provide the latest information pertaining to the System/370 library. For System/370 publications on industry subsystems and licensed *application* programs, refer to GC20-0370.

IBM

Third Edition (September 1977)

This is a major revision of, and supersedes, GC20-0001-1 and all Technical Newsletters not previously superseded: GN20-0001-0, GN20-0012, GN20-0016, GN20-0017, GN20-0018, GN20-0019, GN20-3698-1, and GN20-0020. The preface should be reread entirely.

Publications are not stocked at the address given below; 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, Documentation Services, Dept. 83H, 1133 Westchester Avenue, White Plains, New York 10604. Comments become the property of IBM.

Preface

Selected IBM Publications, necessary in

- *Planning for*
- *Programming*
- *Installing*
- and *Operating*

a System/370, are in this bibliography.

Organization

In Part 1, the publications are clustered by subject and sorted by keywords in their titles. Also provided are graphic library charts to help show associations among publications.

Part 2 chiefly contains abstracts describing the items listed in Part 1.

Part 3 lists, in order-number sequence, all items clustered by subject in Part 1.

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

The three parts are described in more detail further on.

Subject Identification and Filing

The file number (e.g., S370-36) appearing on many publications listed in this bibliography identifies the system in the prefix (S370) and the subject code in the suffix (36, i.e., control program).

Subject Code

The *subject code* is a two-digit number standing for a subject, e.g. 29 for PL/I or 15 for physical planning manuals and templates. (Part 1 starts with a generalized index of subject codes and their definitions. Codes 60 – 83 apply mainly to the associated bibliography, GC20-0370.)

File numbers with "system" codes 00 through 40 are printed on publications, as an aid in filing manuals in a library which is organized by system and subject. Codes 00 through 40, moreover, are often used in subscribing to SLSS (System Library Subscription Service).

Codes above 40 do not appear on publications and are never used for SLSS, but are assigned as a simple way of classifying all items in bibliographies.

Part 1

In Part 1, the subject-code listing, each publication has only one code. Items within the cluster for each code are in sequence. Sequencing for manuals is alphameric, by the most apparent *keywords* in the titles. Sequencing for microfiche program listings is by order number.

Part 1 gives the eight-position order number of each publication. Listings such as those for VS1 and MVS show manuals supporting back releases

(identified by T or Q order numbers) under the *current* edition which supports the latest release. The title of each back edition identifies the earlier release(s) it supports, and includes the order number actually printed on that back edition. For details on T and Q numbers, see "Pseudonumbers."

The alphameric sorting of titles is done with single keywords. In a list of manuals all concerning virtual storage, words such as virtual, or variations such as V or VS (and other non-specific terms), are not considered useful in sorting; thus, VSAM items appear at the beginning of subject code 30 under *Access Methods* (A's), whereas BTAM, QTAM, TCAM and VTAM appear (in that order) under the specific keyword of Telecommunications (T's).

When one publication applies to more than one SCP, it is repeated in each applicable listing.

The library charts in Part 1 are a graphic aid for quickly identifying manuals that should be in a basic, individual library for a specific system.

Acronym Index

Publications whose titles contain commonly used acronyms such as COBOL, CICS, or JCL can be most easily retrieved. "An Index for Some Common Program Acronyms" (beneath the table of contents on page v) refers you directly to the page on which a list of such titles begins.

Part 2

An abstract in Part 2 provides you with a description which ordinarily adds much to the indications of the title. Abstracts are listed in order-number sequence. (See note.)

SLSS Profiles

Part 2 also gives you, beneath the abstract, the number of pages and the publication profile used for distributing key items under SLSS. The profile is shown in the format of six fields separated by slashes: Major system or processor No./C/SC/Prog. support/Machine components/Prog. No. or SUID

The "C" field is used to restrict the distribution of communications items, but only when this would not be redundant or a hindrance to proper distribution: that is, not when the publication matches a specified licensed program number, and not when the machine components indicated are for operation only in the communications mode. In cases where there's no other profile indication that a manual is purely of communications interest, the C field is used to so indicate.

"SC" means subject code. "Prog. support" is used only for Type I programming systems such as OS, DOS, TSS, or OS-ASP.

For example, a publication describing the IBM 3747 Data Converter (which is operable on the System/370, System/360, System/3 or System/32) has the profile of: //08//3747/. This means that any subscriber expressing an interest in 3747 hardware functions will get the book.

Technically, the profile elements are ANDed among fields and ORed within a field. Thus if the manual itself had applied to only the System/370 or to only certain models or processors of the System/370, either "370" or the processor numbers would also have been shown, in the first field, to prevent distribution to other than the appropriate System/370 users.

Many programming manuals show a profile such as /////5740-XX2 or //30///5752, meaning that only the program number – or an SCP program number plus subject code – is needed to match the publication's profile to that of the SLSS subscriber's expressed interests.

Note: *All the publications on your subscription are shown on your "SLSS Subscriber Profile Listing." Your SLSS Subscriber Profile Listing is mailed to your branch office after each week's changes to your subscription or each six months in the event of no change; please contact your IBM representative to obtain a copy.*

Part 3

Part 3 enables you to find any order number easily, to see whether a number is included in the bibliography or what subject code is assigned to it, or to learn what edition(s) are current and whether any TNLs have been issued since the latest edition.

If the order number for one of several related manuals is known, identification of its subject code in Part 3 (leftmost column) enables you to find the place in Part 1 where it is listed and in which its companion publications will also be found. For example, GA27-2739 or GC38-1000.

Order Number

The publication order number identifies various facts about a publication, including:

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.

Logic

Base publications that explain program logic have a "Y" as the second character of the order number:

e.g., SY28-1234-5. Such manuals are intended for use by persons involved in program support or alteration of the program design; they are not required for normal use or operation of the program, and are available under SLSS by order-number subscription only (as are microfiche versions or listings and other supplementary information).

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 separately available documents.

Microfiche

An alphabetic character in the third position of an order number identifies a document on microfiche: e.g., S2C 0-0301-4 or LYB0-5432-1. The only exception is a bill of forms, in which the third character is also alphabetic (not zero).

Pseudonumbers

A "T" or "Q" in the second position denotes a temporary order number for a back edition that supports an earlier release of an SCP or licensed program. E.g., GT00-0112-0 or ST26-1234-0.

The purpose of the temporary numbers, which are usually called *pseudonumbers*, is to allow users of back levels of programs to continue to order and receive publications concerning the level of the program they are using.

Also, issuance of the pseudonumbers for back editions allows the order numbers for the latest editions to remain unchanged except for the revision suffix, and that same basic order number to carry over from release to release; thus, users advancing to a new release may receive revisions and TNLs in the multiple quantities already indicated on their SLSS subscriptions.

The assignment of pseudonumbers is schematic: GC28-1234-0 becomes GT28-1234-0, if GC28-1234-1 is issued to support a new release; GC28-1234-1, in turn, becomes GQ28-1234-0, if GC28-1234-2 is issued to support a still newer release; and GT00-xxxx-0 numbers are then issued to hold stock of the -2, -3, etc. The scheme for PLMs is the same, except for an addition of 40 to the prefix to prevent duplications.

Extra Symbols (Flags)

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

A double asterisk preceding the order number indicates either a change in the publication (such as a new edition) or an item newly added to the bibliography.

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

An asterisk after an order number means the item is for IBM World Trade use only; a plus sign, for U.S.A. use only.

Updating

To eliminate unnecessary delays in keeping publications current, changes and additions to them are distributed most quickly in the form of Technical Newsletters (TNLs).

When the 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 indicated 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. Previously-issued TNLs are listed in the masthead so that you may verify receipt of all necessary changes.

Selectable Units (SU's)

The introduction of the Selectable Unit as a method of releasing functions for system control programming (SCP) has made it necessary to develop a new means of structuring and distributing documentation.

To accommodate this need, a new publication format – *System Library Supplement* – and an SU Identifier (SUID) are used for documentation designed to update SCP manuals for Selectable Units. (New functions released as licensed programs, using the same documentation format, are identified by a regular program number, not an SUID.)

SL Supplements

Like TNLs, Supplements for an SU or licensed program contain replacement pages for base manuals. They are listed in Part 1 directly under their base manuals.

NOTE: *In future, all SL Supplements are to be uniquely identified by a D prefix just as TNLs are uniquely identified by N.*

SUID for Distribution

To permit SLSS profiling, each SU is assigned a seven-digit "identifier" (SUID) of the form 5752-8yy (MVS) or 5741-6yy (VS1), where yy is the SU number (e.g., MVS SU No. 25 is 5752-825). For SLSS, this number functions exactly like a licensed program number in profiling and thus distributing unlicensed documentation. The SUID applies to SCP documentation only.

Upon their release, Supplements (if unlicensed) concerning the SUID or program number are automatically shipped to each subscribing customer, in quantities matching those of subscriptions for the applicable base publications.

One copy of any new *base* manual concerning the SUID or program number (other than logic manuals or program listings) is also auto-shipped to those whose subscriber profiles include that SUID or program number.

Once the order numbers for new base publications related to an SU or licensed program are available, subscribers needing multiple copies should have their subscriptions updated to show the quantities required.

In the case of SUs of general interest, an initial distribution of a selected general publication (such as an SU System Information Manual) may be made to all subscribers profiled for the applicable SCP. The publication profile is then adjusted so that subsequent update service or initial library distributions are made only to users who have included the appropriate SUID in their profile.

Subscribers who are on SLSS by only order number subscription will not receive copies of any new SU or licensed-program document automatically. If such information is needed, an interest profile should be added to the subscription. Section E2 of the profile must include the seven-digit SUID or program number for each SU and licensed program of interest.

Revisions and Consolidations

When it's desirable to update and/or consolidate base publications by incorporating outstanding TNLs and Supplements, the new edition of the base manual is given the next higher revision suffix. The prior edition is assigned a pseudonumber prefix (T or Q) so that it remains available (by order-number subscription only) for those persons not using the SUs incorporated.

If other SUs are announced that apply to both the new and prior editions of the base publication, the Supplements apply to both, and their cover pages so indicate.

Supplement Pages

When a single page in a base manual is affected by more than one SU, the information on that page is cumulative. That is, the latest Supplement is written so that both users and non-users of the prior SUs have the complete information needed to operate with whichever SUs they have selected.

The top of each replacement page shows the effective date of issue and the SU for which the information is made available. The latest-dated page provides the most complete information.

SU Record

VSI

SU	SUID	SU Name
1	5741-601	EREP Modifications
2	5741-602	TCAM 10
3	5741-603	SSS Release 5
4	5741-604	3895
5	5741-605	3850 MSS Prog Enhancements
6	5741-606	3838 VPSS Subsys Attach Suppt
22	5741-622	SMP Release 3
24	5744-CM1	DEMF (Disp Excep Mon Facil)

MVS

SU	SUID	SU Name
1	5752-801	VTAM2
2	5752-802	TCAM9
3	5752-803	JES2 Release 4 (see 25)
4	5752-804	Scheduler Improvements
5	5752-805	Supervisor Performance 1
6	5752-806	168AP (see 47)
7	5752-807	Supervisor Performance 2
8	5752-808	Data Management Enh (see 60)
10	5752-810	3800 Support
12	5752-812	JES3 Release 2 (see 18)
13	5752-813	TSO/VTAM (see 58)
15	5752-815	SMP (see 63)
16	5752-816	Scheduler/IOS Support
17	5752-817	Service Data Improvements
18	5752-818	JES 3 Release 2.1 MSS
21	5752-821	SSS Release 4
24	5752-824	3850 MSS Prog Enhancements
25	5752-825	JES2 Rel 4.1 RJE 3790 Suppt

26	5752-826	JES3 RJP
27	5752-827	EREP Modifications
29	5752-829	3838 VPSS
30	5752-830	3895 Deposit System
32	5752-832	System Security Support
33	5752-833	MVS Dumping Improvements
36	5752-836	TCAM Direct (TCAM 10)
37	5752-837	SSS Release 5 TCAM Direct
47	5752-847	158/168 AP (see 51)
48	5752-848	3800 12 Lines Per Inch
51	5752-851	Processor Support
55	5752-855	Hardware Recovery Enhance
58	5752-858	TSO/VTAM Level 2 (see 13)
60	5752-860	Data Management Suppt (see 8)
63	5752-863	SMP Release 3 (see 15)
68	5744-CM1	DEMF (Disp Excep Mon Facil)

Bibliography Revisions and TNLs

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:
Installation Management Bibliography (GF20-8172), subject code 00.
IBM Data Processing Glossary (GC20-1699) and *IBM Marketing Publications KWIC Indexes*, code 85 in "Other Supplementary Information."

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An Index for Some Common Program Acronyms

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- 02 Card Readers and/or Punches, Control Units
- 03 Printers, Control Units
- 04 OCR, MCR (Optical/Magnetic Character Readers), Control Units
- 05 Magnetic Tape Units, Control Units
- 06 Display Equipment
- 07 DASD (Direct Access Storage Devices), Control Units
- 08 Other Devices, Control Units
- 09 Communications Devices
- 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, RPG II
- 29 PL/I
- 30 Access Methods, Data Management, Storage/ Communications Control Programs
- 31 Support Programs (e.g., Link Edit, Loader)
- 32 Utilities
- 33 Sort/Merge
- 34 *System* Planning, Generation, SMF; Storage Estimates, Performance Enhancement, Release Guides
- 35 Emulation, Simulation (catalogued by host system)
- 36 Control Program (e.g., Supervisor, JCL, IPL, Job Management, 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
- 40 Programming System Operation (e.g., messages, codes)
- 50 DB/DC (CICS, IMS, GIS, DL/I, ...)
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- 63 Distribution (e.g., apparel, food, agribusiness, hotels)
- 64 Education, Libraries
- 65 Engineering
- 67 Finance, Securities, Real Estate
- 69 Government, Federal
- 70 Government, State and Local
- 71 Insurance
- 72 Manufacturing
- 73 Media
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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
GA22-7002	SYSTEM/370 INPUT/OUTPUT CONFIGURATOR
GA24-3045	IBM 1030 CONFIGURATOR
GA21-9001	IBM 1060 CONFIGURATOR
GA27-3021	IBM 2790 CONFIGURATOR
**GA22-7062	IBM 3032 PROCESSOR COMPLEX CONFIGURATOR
**GA22-7071	IBM 3031 PROCESSOR COMPLEX CONFIGURATION CHART
GA22-7065	IBM SYSTEM/370 3033 PROCESSOR CONFIGURATOR
GA33-1513	IBM 3115 PROCESSING UNIT INTEGRATED COMMUNICATIONS ADAPTER CONFIGURATOR
GA33-1508	IBM 3125 PROCESSING UNIT INTEGRATED COMMUNICATIONS ADAPTER: CONFIGURATOR MANUAL
**GA27-2849	IBM 3270 INFORMATION DISPLAY SYSTEM CONFIGURATOR
GC20-0370	IBM SYSTEM/370 BIBLIOGRAPHY OF INDUSTRY SYSTEMS AND APPLICATION PROGRAMS
GC20-0360	IBM SYSTEM/360 BIBLIOGRAPHY
GF20-8172	INSTALLATION MANAGEMENT BIBLIOGRAPHY

01: Machine System

GA22-7000	IBM SYSTEM/370 PRINCIPLES OF OPERATION
GX20-1850	SYSTEM/370 REFERENCE SUMMARY CARD
GX26-1587	DECIMAL/HEXADECIMAL INTEGER CONVERSION CHART
GX26-1588	DECIMAL/HEXADECIMAL FRACTION CONVERSION CHART
GX20-1787	DEBUGGING AID
	DIRECT EVALUATION OF FLOATING POINT NUMBERS IN HEXADECIMAL
GA27-2772	A UPS INSTALLATION PLANNING GUIDE
GA27-2771	A GUIDE TO 50 HERTZ UPS SELECTION
GA27-2770	A GUIDE TO 60 HERTZ UPS SELECTION
GA33-1510	IBM SYSTEM/370 MODEL 115 FUNCTIONAL CHARACTERISTICS
GA33-1514	OPERATOR S LIBRARY SYSTEM/370 MODEL 115 PROCEDURES
GA33-1516	IBM SYSTEM/370 MODEL 115 CHANNEL CHARACTERISTICS
GA33-1520	SYSTEM/370 MODEL 115 CHANNEL CHARACTERISTICS FOR SYSTEMS WITH IBM 3115-2 PROCESSING UNIT
GA33-1506	IBM SYSTEM/370 MODEL 125 FUNCTIONAL CHARACTERISTICS
GA33-1509	OPERATOR S LIBRARY: SYSTEM/370 MODEL 125 PROCEDURES
GA33-1512	IBM SYSTEM/370 MODEL 125 CHANNEL CHARACTERISTICS
GA33-3005	IBM SYSTEM/370 MODEL 135 FUNCTIONAL CHARACTERISTICS
GA33-3010	IBM SYSTEM/370 MODEL 135 CHANNEL CHARACTERISTICS
GC20-1738	A GUIDE TO THE IBM SYSTEM/370 MODEL 135
GC38-0005	OPERATOR S LIBRARY: SYSTEM/370 MODEL 135 PROCEDURES
GA24-3632	SYSTEM/370 MODEL 138 FUNCTIONAL CHARACTERISTICS
**GA24-3633	IBM SYSTEM/370 MODEL 138 CHANNEL CHARACTERISTICS
GC20-1785	A GUIDE TO THE IBM SYSTEM/370 MODEL 138
GC38-0016	SYSTEM/370 MODEL 138 OPERATING PROCEDURES
GA24-3557	IBM SYSTEM/370 MODEL 145 FUNCTIONAL CHARACTERISTICS
GA24-3573	IBM SYSTEM/370 MODEL 145 CHANNEL CHARACTERISTICS
GC20-1734	A GUIDE TO THE IBM SYSTEM/370 MODEL 145
GC38-0015	IBM SYSTEM/370 MODEL 145 OPERATING PROCEDURES
GA24-3634	SYSTEM/370 MODEL 148 FUNCTIONAL CHARACTERISTICS
**GA24-3635	IBM SYSTEM/370 MODEL 148 CHANNEL CHARACTERISTICS
GC20-1784	A GUIDE TO THE IBM SYSTEM/370 MODEL 148
GC38-0017	OPERATOR S LIBRARY: IBM SYSTEM/370 MODEL 148 OPERATING PROCEDURES
GA22-6942	IBM SYSTEM/370 MODEL 155 FUNCTIONAL CHARACTERISTICS
GA22-6962	IBM SYSTEM/370 MODEL 155 CHANNEL CHARACTERISTICS
GA22-6966	IBM SYSTEM/370 MODEL 155 OPERATING PROCEDURES
GC20-1729	A GUIDE TO THE IBM SYSTEM/370 MODEL 155
GA22-7011	IBM SYSTEM/370 MODEL 158 FUNCTIONAL CHARACTERISTICS
GA22-7012	IBM SYSTEM/370 MODEL 158 CHANNEL CHARACTERISTICS
GA22-7056	IBM SYSTEM/370 MODEL 158 HIERARCHICAL MONITORING SYSTEM, FEATURE DESCRIPTION
GC20-1754	A GUIDE TO THE IBM SYSTEM/370 MODEL 158 FOR SYSTEM/370 MODEL 155 USERS
GC20-1781	A GUIDE TO THE IBM SYSTEM/370 MODEL 158 FOR SYSTEM/360 USERS
GC38-0025	IBM SYSTEM/370 MODEL 158 OPERATING PROCEDURES
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
GC20-1755 A GUIDE TO THE IBM SYSTEM/370 MODEL 168
FOR SYSTEM/370 MODEL 165 USERS
GC20-1787 A GUIDE TO THE IBM SYSTEM/370 MODEL 168 FOR SYSTEM/360 USERS
GC38-0030 SYSTEM/370 MODEL 168 OPERATING PROCEDURES
GA22-6943 IBM SYSTEM/360 AND SYSTEM/370 MODEL 195 FUNCTIONAL
CHARACTERISTICS
GA22-6954 IBM SYSTEM/360 AND SYSTEM/370 MODEL 195 OPERATING PROCEDURES
GA22-6877 IBM SYSTEM/360 COMPONENT DESCRIPTIONS AND OPERATING
PROCEDURES IBM 1052 PRINTER-KEYBOARD MODEL 7 WITH
IBM 2150 CONSOLE
**GA22-7066 IBM 3031 PROCESSOR COMPLEX FUNCTIONAL CHARACTERISTICS
**GC20-1854 A GUIDE TO THE IBM 3031 PROCESSOR COMPLEX OF SYSTEM/370
**GA22-7061 IBM 3032 PROCESSOR COMPLEX FUNCTIONAL CHARACTERISTICS
**GC20-1858 A GUIDE TO THE IBM 3032 PROCESSOR COMPLEX OF SYSTEM/370
GA22-7060 IBM SYSTEM/370 3033 PROCESSOR FUNCTIONAL CHARACTERISTICS
**GC20-1859 A GUIDE TO THE IBM 3033 PROCESSOR COMPLEX OF SYSTEM/370
GA24-3552 IBM 3210 CONSOLE PRINTER-KEYBOARDS COMPONENT DESCRIPTION
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
GA26-5893 IBM 2560 MULTI-FUNCTION CARD MACHINE: COMPONENT DESCRIPTION
AND OPERATING PROCEDURES
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 3525
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

**GA24-3488 FORM DESIGN REFERENCE GUIDE FOR PRINTERS
GA24-3073 IBM 1403 PRINTER COMPONENT DESCRIPTION
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
GA33-1515 IBM 3203 PRINTER COMPONENT DESCRIPTION AND OPERATOR S GUIDE
GA33-1519 IBM 3203 PRINTER REFERENCE SUMMARY FOR OPERATORS
GA33-1521 IBM 3203 MODEL 3 PRINTER REFERENCE SUMMARY FOR OPERATIONS
GA24-3543 IBM 3211 PRINTER 3216 INTERCHANGEABLE TRAIN CARTRIDGE AND
3811 PRINTER CONTROL UNIT COMPONENT DESCRIPTION AND
OPERATOR S GUIDE
**GA18-2001 IBM 3287 PRINTER COMPONENT DESCRIPTION
**GA18-2002 IBM 3287 PRINTER OPERATOR S GUIDE
**GA18-2013 IBM 3287 PRINTER PROBLEM DETERMINATION GUIDE
GA26-1633 FORMS DESIGN REFERENCE GUIDE FOR THE IBM 3800 PRINTING
SUBSYSTEM.
GA26-1634 IBM 3800 PRINTING SUBSYSTEM OPERATORS GUIDE
GA26-1635 REFERENCE MANUAL FOR THE IBM 3800 PRINTING SUBSYSTEM
GA26-1646 3800 PRINTING SUBSYSTEM REFERENCE: OCR DOCUMENT PREPARATION
GC20-1775 CONCEPTS OF THE IBM 3800 PRINTING SUBSYSTEM
GC26-3829 INTRODUCING THE IBM 3800 PRINTING SUBSYSTEM AND ITS
PROGRAMMING
GX26-1649 3800 PRINTING SUBSYSTEM OPERATOR REFERENCE CARD
GX26-1651 3800 PRINTING SUBSYSTEM CARE IN HANDLING SUPPLIES
GC20-1750 IBM 3881 OPTICAL MARK READER - FORMS KIT

04. OCR, MCR, Control Units

GA24-1499 IBM 1219 READER SORTER IBM 1419 MAGNETIC CHARACTER 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
GA19-0050 IBM SYSTEM/360 AND SYSTEM/370 COMPONENT DESCRIPTION AND
OPERATING PROCEDURES FOR IBM 1287 OPTICAL READER MODEL 5
GA21-9064 IBM SYSTEM/360 COMPONENT DESCRIPTION AND OPERATING
PROCEDURES IBM 1287 OPTICAL READER

GA21-9139 IBM 1287 OPTICAL READER MODEL 5: GENERAL INFORMATION
GA21-9150 IBM SYSTEM/360 AND SYSTEM/370 COMPONENT DESCRIPTION AND
OPERATING PROCEDURES: IBM 1287 OPTICAL READER, MODEL 5
GX20-1759 IBM 1287 OPTICAL READER DESIGN FORMATS
GA19-0049 IBM SYSTEM/360 AND SYSTEM/370 COMPONENT DESCRIPTION AND
OPERATING PROCEDURES: IBM 1288 OPTICAL PAGE READER, MODEL 1
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
GC20-1733 IBM 1287/1288 OCR ERROR RECOVERY GUIDE
GC20-1739 HANDPRINTING CONSIDERATIONS FOR THE IBM 1287/1288
OPTICAL CHARACTER READERS
GA21-9143 IBM 3881 OPTICAL MARK READER MODELS 1 AND 2 REFERENCE MANUAL
AND OPERATOR S GUIDE
GC20-1751 IBM 3881 OPTICAL MARK READER SYSTEMS DESIGN GUIDE
GA21-9147 IBM 3886 OPTICAL CHARACTER READER MODEL I REFERENCE MANUAL
GA21-9148 IBM 3886 OPTICAL CHARACTER READER INPUT DOCUMENT DESIGN
GUIDE AND SPECIFICATIONS
GA21-9154 IBM 3886 OPTICAL CHARACTER READER MODEL 2 COMPONENT
REFERENCE MANUAL
GC20-1760 IBM 3886 OPTICAL CHARACTER READER FORMS KIT
GA24-3612 IBM 3890 DOCUMENT PROCESSOR MACHINE AND PROGRAMMING
DESCRIPTION
GA24-3619 3890 DOCUMENT PROCESSOR OPERATOR S GUIDE
GA24-3656 IBM 3890 DOCUMENT PROCESSOR MODELS C AND D OPERATOR S GUIDE
GX20-1972 IBM 3890 DOCUMENT PROCESSOR REFERENCE SUMMARY
**GA24-3620 IBM 3895 DOCUMENT READER/INSCRIBER - MACHINE AND PROGRAMMING
DESCRIPTION
GA24-3640 IBM 3895 DOCUMENT READER/INSCRIBER - INPUT
DOCUMENT DESIGN GUIDELINES
**GA24-3645 IBM 3895 DOCUMENT READER/INSCRIBER - GENERAL INFORMATION
**GA24-3664 IBM 3895 DOCUMENT READER/INSCRIBER OPERATOR S GUIDE
GA24-3638 IBM 3896 TAPE-DOCUMENT CONVERTER
MACHINE DESCRIPTION AND OPERATOR S GUIDE

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 IBM 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
GA32-0022 IBM 3410/3411 MAGNETIC TAPE SUBSYSTEM COMPONENT DESCRIPTION
MANUAL
GA26-1647 3803-3/3420-3, 5 MAGNETIC TAPE SUBSYSTEM
GA32-0020 3803/3420 MAGNETIC TAPE SUBSYSTEMS
GA32-0021 IBM 3803-2/3420 MAGNETIC TAPE SUBSYSTEMS
SUBSYSTEM DESCRIPTION

06: Display Equipment

NOTE: Other display equipment, used primarily in a communications 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
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
**GA33-3035 IBM 3250 GRAPHICS DISPLAY SYSTEM INTRODUCTION

07: DASD, Control Units

GA26-3633 DATA CELL HANDLING GUIDE
GA26-5756 IBM DISK PACK AND CARTRIDGE HANDLING PROCEDURES
GA26-1620 REFERENCE MANUAL FOR IBM INTEGRATED STORAGE CONTROL
GA22-6895 IBM SYSTEM/360 COMPONENT DESCRIPTIONS - 2820 STORAGE
CONTROL AND 2301 DRUM STORAGE

GX20-1705 2311 MODEL 1 DISK STORAGE DRIVE CAPACITY AND TRANSMISSION
TIME: REFERENCE SUMMARY
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
GA26-1589 COMPONENT SUMMARY-2835 STORAGE CONTROL
2305 FIXED HEAD STORAGE
GA26-5988 IBM SYSTEM/360 COMPONENT DESCRIPTIONS--2841 AND
ASSOCIATED DASD
GA26-1615 INTRODUCTION IBM 3330 A-SERIES DISK STORAGE - SYSTEM LIBRARY
GA26-1630 IBM 3330 SERIES DISK STORAGE MODEL 1 TO MODEL 11 ELEVEN
CUSTOMER CONVERSION GUIDE
GX20-1920 IBM 3330 SERIES DISK STORAGE 3333 MODELS 1 AND 11, 3330
MODELS 1, 2 AND 11 : REFERENCE SUMMARY
GA26-1619 IBM 3340 COMPONENT SUMMARY
GX20-1979 3340 DIRECT ACCESS STORAGE REFERENCE SUMMARY
GA26-1625 IBM 3348 DATA MODULE HANDLING PROCEDURES
GA26-1638 IBM 3350 DIRECT ACCESS STORAGE REFERENCE MANUAL
**GX20-1983 3350 DIRECT ACCESS STORAGE, MOD A2, A2F, B2, B2F, C2, C2F
GC19-5021 WORLD TRADE ADDENDUM TO 3350/3344 INSTALLATION AND
CONVERSION GUIDE GC20-1780
GC20-1780 3350 3344 INSTALLATION AND CONVERSION GUIDE
GA26-1592 REFERENCE MANUAL FOR IBM 3830 STORAGE CONTROL AND IBM 3330
DISK STORAGE
GA26-1617 REFERENCE MANUAL FOR IBM 3830 STORAGE CONTROL MODEL 2
GA32-0028 INTRODUCTION TO THE IBM 3850 MASS STORAGE SYSTEM MSS
GA32-0029 IBM 3850 MASS STORAGE SYSTEM MSS PRINCIPLES OF OPERATION
GA32-0030 IBM 3850 MASS STORAGE SYSTEM MSS
INSTALLATION GUIDE
GA32-0031 3850 DATA CARTRIDGE CARE AND HANDLING INSTRUCTIONS

08: Other Devices, Control Units

GA21-9182 THE IBM DISKETTE: GENERAL INFORMATION MANUAL
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
GA21-9197 IBM 3540 DISKETTE INPUT/OUTPUT UNIT OPERATOR S GUIDE AND
PROGRAMMER S REFERENCE MANUAL
GX34-0022 IBM 3715 OPERATOR S REFERENCE SUMMARY
GA21-9152 IBM 3740 DATA ENTRY SYSTEM - SYSTEM SUMMARY AND INSTALLATION
PLANNING
GA21-9131 3741 DATA STATION OPERATOR S GUIDE
GA21-9183 IBM 3741 DATA STATION REFERENCE MANUAL
GA21-9194 IBM 3741 MODELS 3 AND 4 PROGRAMMABLE WORK STATION
PROGRAMMING REFERENCE MANUAL
GA21-9196 IBM 3741 MODELS 3 AND 4 PROGRAMMABLE WORK STATION
GENERAL INFORMATION
GX21-9204 IBM 3741 PROGRAMMABLE WORK STATION MODELS 3-4
REFERENCE CARD
GX21-9172 IBM 3741/3742 REFERENCE CARD
GA21-9136 3742 DUAL DATA STATION OPERATOR S GUIDE
GA21-9184 IBM 3742 DUAL DATA STATION REFERENCE MANUAL
GA21-9170 IBM 3747 DATA CONVERTER REFERENCE MANUAL & OPERATOR S GUIDE
GX21-9171 IBM 3747 DATA CONVERTER REFERENCE CARD
GA24-3639 IBM 3838 ARRAY PROCESSOR FUNCTIONAL CHARACTERISTICS

09: Communications Devices

NOTE: Some of the equipment below may be used for either remote or local communications.

GA27-3099 ADVANCED FUNCTION FOR COMMUNICATIONS: SYSTEM SUMMARY
GA27-3004 GENERAL INFORMATION - BINARY SYNCHRONOUS COMMUNICATIONS
GA27-3093 SYNCHRONOUS DATA LINK CONTROL GENERAL INFORMATION
GA27-3102 SYSTEMS NETWORK ARCHITECTURE GENERAL INFORMATION MANUAL
GA27-3116 IBM SYSTEMS NETWORK ARCHITECTURE INTRODUCTION
SC30-3112 IBM SYSTEMS NETWORK ARCHITECTURE FORMAT AND PROTOCOL
REFERENCE MANUAL: ARCHITECTURE LOGIC
GA21-9028 IBM 357/1030/2790 BADGE SPECIFICATIONS
GA24-1029 IBM 1001 DATA TRANSMISSION SYSTEM
GA24-3018 IBM 1030 DATA COLLECTION SYSTEM
GA21-9041 IBM 1035 COMPONENT DESCRIPTION AND OPERATING PROCEDURES
GA24-3020 IBM 1050 REFERENCE DIGEST
GA24-3125 IBM 1050 OPERATOR S GUIDE
GA24-3471 IBM 1050 SYSTEM SUMMARY
GA24-3474 IBM 1050 DATA COMMUNICATION SYSTEM PRINCIPLES OF OPERATION
GA24-3034 IBM 1060 DATA COMMUNICATIONS SYSTEM
GA24-3266 IBM 1092 AND 1093 PROGRAMMED KEYBOARDS
GA22-6864 IBM 2701 DATA ADAPTER UNIT COMPONENT DESCRIPTION
GA22-6846 IBM SYSTEM/360 COMPONENT DESCRIPTION
IBM 2702 TRANSMISSION CONTROL

GA27-2703 IBM 2703 TRANSMISSION CONTROL COMPONENT DESCRIPTION
GA27-2704 IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2711 LINE
ADAPTER UNIT
GA24-3426 IBM 2712 REMOTE MULTIPLEXOR
GA27-3029 2721 PORTABLE AUDIO TERMINAL
GA27-3039 IBM 2721 PORTABLE AUDIO TERMINAL OPERATOR S HANDBOOK
GA24-3403 IBM 2740 COMMUNICATION TERMINALS MODEL 1 AND 2
COMPONENT DESCRIPTION
GA24-3415 IBM 2741 COMMUNICATION TERMINAL
GA27-3001 IBM 2740/2741 COMMUNICATIONS TERMINAL - OPERATOR S GUIDE
GA27-3011 IBM 2760 OPTICAL IMAGE UNIT COMPONENT DESCRIPTION
GA27-3013 SYSTEM COMPONENTS: IBM 2770 DATA COMMUNICATION SYSTEM
GA27-3038 OPERATOR S GUIDE: IBM 2770 DATA COMMUNICATION SYSTEM
GA27-3005 IBM 2780 DATA TRANSMISSION TERMINAL - COMPONENT DESCRIPTION
GA27-3015 IBM 2790 DATA COMMUNICATION SYSTEM COMPONENT DESCRIPTION
GA27-3035 IBM 2790 DATA COMMUNICATION SYSTEM OPERATOR S GUIDE
GA27-2739 AN INTRODUCTION TO THE IBM 3270 INFORMATION DISPLAY SYSTEM
GA27-2742 OPERATOR S GUIDE FOR IBM 3270 INFORMATION DISPLAY SYSTEMS
GA27-2749 IBM 3270 INFORMATION DISPLAY SYSTEM COMPONENT DESCRIPTION
GA27-2750 IBM 3270 PROBLEM DETERMINATION GUIDE
GA27-2759 IBM 3270 INFORMATION DISPLAY SYSTEM: A HUMAN FACTORS STUDY
OF WORK STATION DESIGN
GA27-2827 IBM 3270 INFORMATION DISPLAY SYSTEM SETUP PLANNING GUIDE:
IBM 3274 CONTROL UNIT, IBM 3276 CONTROL UNIT/DISPLAY
STATION, IBM 3278 DISPLAY STATION, IBM 3287 PRINTER, IBM
3289 LINE PRINTER
**GA27-2837 IBM 3270 INFORMATION DISPLAY SYSTEM CHARACTER SET REFERENCE
**GA27-2861 IBM 3270 INFORMATION DISPLAY SYSTEM DESCRIPTION,
CONFIGURATION, AND PHYSICAL PLANNING
3274, 3276, 3278, 3287, 3289
GX20-1878 IBM 3270 INFORMATION DISPLAY SYSTEM REFERENCE SUMMARY
**GA18-2017 IBM 3276 CONTROL UNIT DISPLAY STATION SETUP INSTRUCTIONS
**GA18-2003 IBM 3287 PRINTER SETUP INSTRUCTIONS
**GA27-2839 IBM 3270 INFORMATION DISPLAY SYSTEM 3278 DISPLAY STATION
PROBLEM DETERMINATION GUIDE
GA27-3086 GUIDE TO USING THE IBM 3704 COMMUNICATIONS CONTROLLER
CONTROL PANEL
GA27-3091 IBM 3704 OPERATOR REFERENCE SUMMARY
GC30-3004 IBM 3704 AND 3705 COMMUNICATIONS CONTROLLERS PRINCIPLES OF
OPERATION
GC30-3020 TELEPROCESSING PREINSTALLATION GUIDE FOR IBM 3704 AND 3705
COMMUNICATIONS CONTROLLERS
GC30-3021 TELEPROCESSING INSTALLATION RECORD FOR IBM 3704 AND 3705
COMMUNICATIONS CONTROLLERS
GA27-3051 INTRODUCTION TO THE 3704 & 3705 COMMUNICATIONS CONTROLLERS
GA27-3087 GUIDE TO USING THE IBM 3705 CONTROL PANEL
GA27-3092 IBM 3705 OPERATOR REFERENCE SUMMARY
GR29-0296 IBM 3705 EMULATION - REFERENCE CARD
GA27-3043 IBM 3735 PROGRAMMABLE BUFFERED TERMINAL CONCEPT
AND APPLICATION
GA27-3061 IBM 3735 PROGRAMMABLE BUFFERED TERMINAL OPERATOR S GUIDE
GA18-2000 IBM 3767 COMMUNICATION TERMINAL OPERATOR S GUIDE
GA18-2012 PROBLEM DETERMINATION GUIDE FOR THE IBM 3767
COMMUNICATION TERMINAL
GA27-3096 IBM 3767 MODELS 1 & 2 COMMUNICATION TERMINAL COMPONENT
DESCRIPTION
GA27-3106 OPERATOR S INTRODUCTION TO THE 3767 COMMUNICATION TERMINAL
GC30-3026 3767 COMMUNICATION TERMINAL: SETUP INSTRUCTIONS
GA27-3097 IBM 3770 DATA COMMUNICATION SYSTEM-- SYSTEM COMPONENTS
GA27-3103 3770 DATA COMMUNICATION SYSTEM CUSTOMER SITE PREPARATION
GUIDE
GA27-3100 OPERATING PROCEDURES GUIDE: IBM 3771 AND 3773 COMMUNICATION
TERMINAL
GA27-3101 IBM 3771 AND 3773 COMMUNICATION TERMINALS REFERENCE SUMMARY
GA27-3131 3771, 3773, AND 3774 COMMUNICATION TERMINALS
OPERATOR TIPS
**GA27-3113 IBM 3773, 3774, AND 3775 PROGRAMMABLE COMMUNICATION
TERMINALS REFERENCE SUMMARY
GA27-3114 3773, 3774, 3775 PROGRAMMABLE COMMUNICATION TERMINAL
OPERATOR S GUIDE
**GA27-3142 IBM 3773, 3774, AND 3775 PROGRAMMABLE COMMUNICATION
TERMINALS PROGRAMMER S HANDBOOK
GA27-3094 OPERATING PROCEDURES GUIDE: IBM 3774 AND 3775 COMMUNICATION
TERMINALS
GA27-3095 REFERENCE CARD: IBM 3774 AND 3775 COMMUNICATION TERMINALS
GA27-3132 3775 AND 3776 COMMUNICATION TERMINALS AND IBM 3784
LINE PRINTER OPERATOR TIPS
GA27-3107 OPERATING PROCEDURES GUIDE: IBM 3776 COMMUNICATION TERMINAL
GA27-3108 IBM 3776 COMMUNICATION TERMINAL REFERENCE SUMMARY
GA27-3124 OPERATING PROCEDURES GUIDE: IBM 3777 COMMUNICATION
TERMINAL
GA27-3125 3777 COMMUNICATION TERMINAL REFERENCE SUMMARY

GA27-3129 IBM 3777 MODEL 2 COMMUNICATION TERMINAL OPERATOR S GUIDE
**GA27-3130 IBM 3777 MODEL 2 COMMUNICATION TERMINAL REFERENCE SUMMARY
GA27-3063 COMPONENT INFORMATION FOR THE IBM 3780 DATA COMMUNICATION TERMINAL
**GA27-2865 IBM 3845 DATA ENCRYPTION DEVICE, IBM 3846 DATA ENCRYPTION DEVICE, GENERAL INFORMATION
GA27-3058 IBM 3872 MODEM USER S GUIDE
GA27-3062 IBM 3872 MODEM PROBLEM DETERMINATION CARD
GA33-0002 IBM 3874 MODEM USER S GUIDE
GA33-0001 IBM 3875 MODEM USER S GUIDE
GA36-0001 IBM 4872 MODEM MODEL 1
GA36-0004 IBM 4872 MODEM MODELS 2 AND 3
GA34-0040 IBM 5230 DATA COLLECTION SYSTEM USER GUIDE
GX34-0042 IBM 5230 DATA COLLECTION SYSTEM 5231 MODEL 2 CONSOLE GUIDE
GA34-0016 IBM 5275 DIRECT NUMERICAL CONTROL STATION INTRODUCTION AND COMPONENT DESCRIPTION
GA27-2712 COMPONENT DESCRIPTION: IBM 7770 AUDIO RESPONSE UNIT MODEL 3

10. Auxiliary Equipment

GA22-6951 IBM 50 MAGNETIC DATA INSCRIBER OPERATOR S GUIDE
GA27-2725 IBM 50 MAGNETIC DATA INSCRIBER COMPONENT DESCRIPTION
GA22-6968 IBM 129 CARD DATA RECORDER OPERATOR S REFERENCE MANUAL
GX34-0041 IBM 5230 DATA COLLECTION SYSTEM 5231 MODEL 1 CONSOLE GUIDE
GX34-0043 IBM 5230 DATA COLLECTION SYSTEM 5231 MODEL 3 CONSOLE GUIDE
GA21-9078 IBM 5486 CARD SORTER OPERATOR S GUIDE

13. Special Features

GA22-6983 SYSTEM/370 SPECIAL FEATURE: CHANNEL-TO-CHANNEL ADAPTER
GA33-3007 IBM SYSTEM/370 MODEL 135-TERMINAL ADAPTER TYPE I MODEL II FOR ICA : SPECIAL FEATURE DESCRIPTION SYSTEM LIBRARY MANUAL
GA33-3008 IBM SYSTEM/370 MODEL 135 TERMINAL ADAPTER TYPE III FOR ICA: SPECIAL FEATURE DESCRIPTION
GA33-3009 IBM SYSTEM/370 MODEL 135-SYNCHRONOUS DATA ADAPTER TYPE II FOR ICA : SPECIAL FEATURE DESCRIPTION
GA33-3011 IBM SYSTEM/370 MODEL 135 - TELEGRAPH ADAPTER TYPE II FOR ICA : SPECIAL FEATURE DESCRIPTION MANUAL
GA22-7017 IBM SYSTEM/370 MODEL 155 II DYNAMIC ADDRESS TRANSLATION FACILITY
GA22-6955 IBM SYSTEM/370 SPECIAL FEATURE DESCRIPTION: 709/7090/7094/7094 II COMPATIBILITY FEATURE FOR IBM SYSTEM/370 MODEL 165
GA22-6958 7070/7074 COMPATIBILITY FEATURE FOR IBM SYSTEM/370 MODELS 165, 165 II, and 168
GA22-6963 7080 COMPATIBILITY FEATURE FOR IBM SYSTEM/370 MODELS 165, 165 II, and 168
GA22-7016 IBM SYSTEM/370 MODEL 165 II DYNAMIC ADDRESS TRANSLATION FACILITY
GA24-3342 BATCH NUMBERING FEATURE FOR IBM 1241 AND 1419 MAGNETIC INK CHARACTER RECOGNITION READERS
GA27-2774 A GUIDE TO USING THE TEST REQUEST FEATURE ON IBM 3270 INFORMATION DISPLAY SYSTEMS
GA27-2788 AN INTRODUCTION TO THE IBM 3270 DATA ANALYSIS - APL FEATURE
**GA27-2869 IBM 3276 CONTROL UNIT DISPLAY STATION MODELS 11, 12, 13, AND 14 ENCRYPT/DECRYPT FEATURE #3680 DESCRIPTION
GA26-1632 IBM 3340 DISK/STORAGE - FIXED HEAD FEATURE USERS GUIDE
GC20-1767 OPTICAL MARK READ/CARD PRINT APPLICATION SOLUTIONS IBM 3504 and 3505 CARD READERS IBM 3525 CARD PUNCH
**GA26-1653 INTRODUCING THE IBM 3800 TAPE-TO-PRINTING SUBSYSTEM FEATURE AND ITS UTILITY, PROG PROD 5748-UT2

14. Custom Features and Supporting Programs

GA34-1507 IBM SYSTEM/7-360/370 CHANNEL ATTACHMENT: GENERAL INFORMATION MANUAL, RPQ D08112
GA09-1600 IBM 3270 INFORMATION DISPLAY SYSTEM CUSTOM FEATURE DESCRIPTION: 129-3270 ATTACHMENT RPQ 8T0093
GX09-1000 IBM 129-3270 OPERATOR S REFERENCE SUMMARY
GX09-1001 IBM 129-3270 RPQ 8T0105 OPERATOR S REFERENCE SUMMARY
GA27-3066 SUPPLEMENTARY OPERATOR S AND PROGRAMMER S GUIDE INFORMATION CARD IBM 3735 WITH IBM 129 CARD DATA RECORDER RPQ#EB1935
GA24-3590 IBM 1972 MODEL 3 PRODUCTION TERMINAL 1972 MODEL 4 INSTRUCTION CONSOLE OPERATOR S GUIDE
GL21-9071 IBM 2501 CARD READER, MODELS A AND B RPQ FEATURES
GA26-1599 IBM 2730 MODEL 1 TRANSACTION VALIDATION TERMINAL, IBM 2968 MODEL 9 AND MODEL 12 RECEIVER-TERMINAL CONTROL UNIT
GX26-1618 IBM 2730 TRANSACTION VALIDATION TERMINAL - REFERENCE CARD
GA27-2737 IBM 2909-3 ASYNCHRONOUS DATA CHANNEL RPQ F13299 CUSTOM FEATURE DESCRIPTION
GL22-6937 SYSTEM/360 AND SYSTEM/370 CUSTOM FEATURE DESCRIPTION: 2914 SWITCHING UNIT MODEL 1 - RPQ 880882

GL22-7025 2914 STORAGE CONTROL INTERFACE SWITCH MODEL 2 RPQ 8P0290
PRODUCT DESCRIPTION AND PHYSICAL PLANNING
GL24-3570 IBM 2946 TERMINAL CONTROL SUBSYSTEM
COMPONENT DESCRIPTION AND OPERATING GUIDE
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
GL22-6979 IBM 2947 MODEL 4 CHECK COLLECTION CONTROLLER RPQ 888264
FUNCTIONAL CHARACTERISTICS - REFERENCE MANUAL
GY28-6688 INTERNAL LOGIC MANUAL FOR THE IBM 2947-4 CHECK COLLECTION
CONTROLLER SEQUENTIAL ACCESS METHOD - PROGRAM SUPPORT
RPQ 888264 - PROGRAM NUMBERS 5799-WAF 5799-WAG
GL24-3618 2956 MODEL 8 CARD READER RPQ 810582 CUSTOM UNIT
DESCRIPTION AND PHYSICAL PLANNING
GL24-3628 IBM 3203 BOOK BRAILLE PRINTING FEATURE RPQ S00293
DESCRIPTION AND OPERATOR S GUIDE CUSTOM FEATURE
GL24-3629 IBM 3203 PROGRAMMER BRAILLE PRINTING RPQ S00305 CUSTOM
FEATURE DESCRIPTION AND OPERATOR S GUIDE
GA19-5024 IBM 3270 INFORMATION DISPLAY SYSTEM: 5926-B03 OPTICAL
SCANNER REFERENCE MANUAL RPQS 7B0215 AND U42416
**GA19-5087 IBM 3270 INFORMATION DISPLAY SYSTEM: 5914 DOCUMENT INSCRIBE
USER S GUIDE, RPQ U74485 MODEL U01 - 7U0007 MODEL U02
GA27-2758 IBM 3270 INFORMATION DISPLAY SYSTEM CUSTOM FEATURE
DESCRIPTION, DUAL CASE CHARACTER SET RPQ 8K0366
GA27-2775 IBM 3270 INFORMATION DISPLAY SYSTEM CUSTOM FEATURE
DESCRIPTION SIGNATURE DISPLAY RPQS 7U0010, 8K0438
**GA27-2862 IBM 3270 INFORMATION DISPLAY SYSTEM RPQ DESCRIPTION
MULTI-FIELD IMAGE DISPLAY RPQ MF3288
GH19-7024 IBM 3277 DISPLAY STATION CUSTOM FEATURE DESC. 1980-C24
PRINTER ATTACHMENT RPQ U58950
GA27-2752 IBM 3284/3286 PRINTER CUSTOM FEATURE DESCRIPTION MARGIN STOP
VARIABLE RPQ #EB3995
GA27-2753 IBM 3284/3286 PRINTER CUSTOM FEATURE DESCRIPTION VERTICAL
FORMS INDEX CONTROL RPQ EB4324
GA27-2773 IBM 3284/3286 PRINTER CUSTOM FEATURE DESCRIPTION: FORMS
TRACTOR RPQ WD 4031
SY30-3006 IBM 3705 EMULATION PROGRAM GENERATION AND LOGIC MANUAL FOR
PROGRAM SUPPORT FOR HARDWARE RPQ M26099 SABRE LINE CONTROL
SY30-3014 IBM 3705 EMULATION PROGRAM GENERATION AND LOGIC
MANUAL FOR RPQ 858663, PLOTTER ADAPTER - PSHRPQ P85008 -
PROG. NO. 5799-WFA
GA27-3069 SUPPLEMENTARY OPERATOR S AND PROGRAMMER S GUIDE INFORMATION
IBM 3735 WITH IBM KEYPAD UNIT AND FILE SEARCH RPQ #853102
GA27-3073 IBM 3735 WITH AUTO FDP EXECUTION RPQ #MB7057 OPERATOR S CARD
GA19-5029 3740 DATA ENTRY SYSTEM: 5926-BO3 BAR CODE READER
PRINTER DATA STATION, CUSTOM UNIT DESCRIPTION
RPQS 7B0215, X64601, 7H0194, X96684, AND X72888
GA19-5031 IBM 3740 DATA ENTRY SYSTEM SPECIAL SELF-CHECK NUMBER
DEVICE COMPATIBLE WITH HEBREW LANGUAGE FEATURE CUSTOM UNIT
DESCRIPTION RPQ X15169 3741 AND 3742, 128-CHARACTER MACHINE
GA21-9224 IBM 3740 DATA ENTRY SYSTEM ASCII RPQ REFERENCE MANUAL
SUPPORTING RPQS S40064, S40075, and S40081
GA33-3016 IBM 3740 DATA ENTRY SYSTEM SPECIAL SELF-CHECK NUMBER DEVICE
CUSTOM UNIT DESCRIPTION
GA21-9240 3741 READER/PUNCH ATTACHMENT FEATURE RPQ GF2495 REFERENCE
MANUAL AND OPERATOR S GUIDE
GA21-9221 IBM 3742 DUAL DATA STATION FUNCTION CONTROL FEATURE
REFERENCE MANUAL SUPPORTING RPQ 843866
GA19-5057 IBM 3767 COMMUNICATION TERMINAL OPERATOR S GUIDE,
RPQ X71429, DOCUMENT INSERTION DEVICE
GA19-5059 WORLD TRADE ADDENDUM TO IBM 3767 MODELS 1 AND 2
COMMUNICATION TERMINAL COMPONENT DESCRIPTION OPERATOR S
GUIDE RPQ X74189 LARGE CHARACTER PRINT
GA27-3123 3767 COMMUNICATION TERMINAL FRONT DOCUMENT INSERT DEVICE
USER S INFORMATION ADDENDUM RPQ MF5272
GA27-3126 3767 COMMUNICATION TERMINAL PINFEED PLATEN USER INFORMATION
RPQ EG0314 AND 851142
GA27-3127 3767 COMMUNICATION TERMINAL INTEGRATED MODEM WITH
AUTO-ANSWER AND DIAL DISCONNECT RPQ 853134 USER
INFORMATION ADDENDUM
**GA27-3143 IBM 3773 AND 3774 PROGRAMMABLE COMMUNICATION TERMINALS
OPERATOR S GUIDE FOR PINFEED PLATEN RPQ MJ0436
GA36-0002 IBM 4481 FILM READER/RECORDER
GA36-0003 4481 FILM READER/RECORDER PROGRAMMER S GUIDE
GA34-1511 SYSTEM/370 IBM 5098-N05 SENSOR BASED CONTROL UNIT GENERAL
INFORMATION MANUAL
**GA19-5084 5230 DATA COLLECTION SYSTEM USER S GUIDE SUPPLEMENT,
IN/OUT CLOCKING RPQ X95797
**GA19-5089 5230 DATA COLLECTION SYSTEM, DIGITAL INPUT ATTACHMENT TO
5235: RPQ X55062 - WORLD TRADE, RPQ 7S0231 - CANADA,
USER S GUIDE
GA34-1531 IBM 5275 MACHINE TOOL CONTROL UNIT MCU ACCESSORY RPQ
D08286: GENERAL INFORMATION MANUAL

GA09-1005 IBM 5934 T02 TICKET TERMINAL RPQ 8T0130 , IBM 5983-T02
CONTROL UNIT RPQ 8T0131 COMPONENT DESCRIPTION
GA19-5052 IBM 5937 S01 INDUSTRIAL TERMINAL COMPONENT DESCRIPTION
RPQ 750052, 750058, 750061
GA33-3015 REFERENCE MANUAL FOR IBM 5985 COLOR DISPLAY CONTROL UNIT
MODEL H02 AND IBM 5941 DISPLAY CONSOLE, MODEL H02 SEE
ABSTRACT FOR RPQS
GA09-1000 IBM 5990 SYSTEM: SYSTEM SUMMARY MANUAL: RPQ 8T0146
5996-T01 DATA ACQUISITION CONTROLLER; 5799-WJF EXCHANGE
DATA COLLECTION PROGRAM SUPPORT
GA27-2740 IBM 7412 MODEL 1 CONSOLE, CUSTOM SYSTEMS RPQ AA2846,
CUSTOM FEATURE DESCRIPTION
GL22-7015 IBM 7441-1/1980-9 CUSTOM TERMINAL FUNCTIONAL CHARACTERISTICS
OPERATING PROCEDURES AND PHYSICAL PLANNING

15. Physical Planning

GC22-7004 IBM SYSTEM/370 INSTALLATION MANUAL -- PHYSICAL PLANNING
** GC19-0004 IBM SYSTEM/370 INSTALLATION MANUAL - PHYSICAL PLANNING
WORLD TRADE
GX22-6985 IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370
CHANNELS: 2860, 2870, AND 2880
GX22-6857 IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370
COMMUNICATIONS EQUIPMENT
GA24-3435 PLANNING AND INSTALLATION OF A DATA COMMUNICATION SYSTEM
USING IBM LINE ADAPTERS
GA27-3006 IBM REMOTE MULTIPLEXERS AND COMMUNICATIONS TERMINALS
INSTALLATION MANUAL - PHYSICAL PLANNING
GX27-2900 IBM PHYSICAL PLANNING TEMPLATE: COMMUNICATIONS TERMINALS
GA27-2805 ASSEMBLY OF COAXIAL CABLES AND ACCESSORIES FOR ATTACHMENT
TO IBM PRODUCTS
GX22-6859 IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370
CONSOLES AND TERMINALS
GX22-6858 IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370
DATA STORAGE DEVICES
GX22-6925 IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370
FIELD ENGINEERING FURNITURE AND TEST EQUIPMENT
GX22-6860 IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370
MAGNETIC AND OPTICAL CHARACTER READERS
GX22-6855 IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370
MAGNETIC TAPE UNITS AND CONTROLS
GX22-6834 PUNCHED CARD AND TAPE I/O AND PRINTERS, FOR SYSTEM/360 AND
SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE
GX22-7028 IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 115
GX22-7021 IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 125
GX22-7008 IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 135
GX22-7058 IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 138
GX22-7005 IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 145
GX22-7059 IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 148
GX22-7006 IBM PHYSICAL PLANNING TEMPLATE SYSTEM/370 MODEL 155
GX22-7023 IBM S/370 MODEL 158 AND MODEL 158
ATTACHED PROCESSOR, MULTIPROCESSING PHYS PLANNING TEMPLATE
GX22-7007 IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 165
GX22-7022 SYSTEM/370 MODEL 168 PHYSICAL PLANNING TEMPLATE
GX22-6981 IBM PHYSICAL PLANNING TEMPLATE SYSTEM/360 MODEL 195
GA24-3021 IBM 1030 DATA COLLECTION SYSTEM INSTALLATION MANUAL -
PHYSICAL PLANNING
GX21-9030 IBM PHYSICAL PLANNING TEMPLATE, 1030 DATA COLLECTION SYSTEM
GA24-3022 IBM 1050 DATA COMMUNICATIONS SYSTEM INSTALLATION MANUAL,
PHYSICAL PLANNING
GX24-3381 1050 DATA COMMUNICATIONS SYSTEM: PHYSICAL PLANNING TEMPLATE
GA21-9010 IBM 1060 DATA COMMUNICATIONS SYSTEM INSTALLATION MANUAL -
PHYSICAL PLANNING
GA24-3561 IBM 1925 MODEL 18 INTERFACE SWITCH UNIT RPQ 811301
INSTALLATION MANUAL--PHYSICAL PLANNING
GA24-3566 IBM 1972 MODEL 3 PRODUCTION TERMINAL
IBM 1972 MODEL 4 INSTRUCTION CONSOLE INSTALLATION MANUAL
PHYSICAL PLANNING COMPONENT DESCRIPTION
GX22-7037 2401 MAGNETIC TAPE UNIT MODELS 1 TO 6 AND 8, FOR SYSTEM/370:
IBM PHYSICAL PLANNING TEMPLATE
GX22-7038 2415 MAGNETIC TAPE UNIT AND CONTROL MODELS 1 TO 6, FOR
SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE
GX22-7039 2420 MAGNETIC TAPE UNIT MODELS 5 AND 7, FOR SYSTEM/370:
IBM PHYSICAL PLANNING TEMPLATE
GX22-7041 2495 TAPE CARTRIDGE READER MODEL 1, FOR SYSTEM/370:
IBM PHYSICAL PLANNING TEMPLATE
GA26-1600 2730 MODEL 1, 2968 MODEL 9, AND 2968 MODEL 12: INSTALLATION
MANUAL - PHYSICAL PLANNING
GA27-3019 IBM 2770 DATA COMMUNICATION SYSTEM
INSTALLATION MANUAL--PHYSICAL PLANNING
GX27-2909 2770 DATA COMMUNICATIONS SYSTEM: PHYSICAL PLANNING TEMPLATE
GA27-3017 IBM 2790 DATA COMMUNICATION SYSTEM INSTALLATION MANUAL
PHYSICAL PLANNING

GA27-3120 IBM 2790 INSTALLER S GUIDE
GX22-7042 2803 TAPE CONTROL MODELS 1 TO 3, FOR SYSTEM/370:
IBM PHYSICAL PLANNING TEMPLATE
GX22-7043 2804 TAPE CONTROL MODELS 1 TO 3, FOR SYSTEM/370:
IBM PHYSICAL PLANNING TEMPLATE
GX22-7044 2816 SWITCHING UNIT MODEL 1, FOR SYSTEM/370:
IBM PHYSICAL PLANNING TEMPLATE
GA27-2727 IBM SYSTEM/360 CUSTOM SYSTEMS UNIT 2909 MODEL 3 -
ASYNCHRONOUS DATA CHANNEL RPQ F13299 RPQ 882045
INSTALLATION BULLETIN-PHYSICAL PLANNING
GA24-3562 IBM 2911 MODEL 14 INTERFACE SWITCH UNIT RPQ 811503
INSTALLATION MANUAL--PHYSICAL PLANNING
GL22-6936 IBM 2914 SWITCHING UNIT MODEL 1, RPQ 880882, CUSTOM FEATURE:
INSTALLATION MANUAL - PHYSICAL PLANNING
GA24-3516 IBM 2938 ARRAY PROCESSOR MODEL 1 RPQ W24563, MODEL 2
RPQ 815188 INSTALLATION MANUAL - PHYSICAL PLANNING
GL24-3571 IBM 2946 TERMINAL CONTROL SUBSYSTEM INSTALLATION MANUAL
PHYSICAL PLANNING
GL22-6982 IBM 2947 CHECK COLLECTION CONTROLLER MODEL 4 RPQ 888264
INSTALLATION MANUAL PHYSICAL PLANNING
GA27-3044 IBM 2976 MOBILE TERMINAL SYSTEM CUSTOM SYSTEM DESCRIPTION
OPERATOR S GUIDE - PHYSICAL PLANNING
GA26-1621 INSTALLATION MANUAL PHYSICAL PLANNING IBM 2984 MODEL 1 CASH
ISSUING TERMINAL RPQ 834660
**GX22-7026 3031 PROCESSOR COMPLEX TEMPLATE INCLUDES 3017 POWER
UNIT MODEL 1 AND 3036 CONSOLE MODEL 1
**GX22-7025 3032 PROCESSOR COMPLEX TEMPLATE INCLUDES 3027 POWER AND
COOLANT DISTRIBUTION UNIT AND 3036 CONSOLE
**GC22-7067 3033 PROCESSOR COMPLEX FLOOR CUTOUT AID
GX22-7024 3033 PROCESSOR PHYSICAL PLANNING TEMPLATE
GA27-2787 IBM 3270 INFORMATION DISPLAY SYSTEM INSTALLATION
MANUAL--PHYSICAL PLANNING
GX22-7018 3270 INFORMATION DISPLAY SYSTEM: PHYSICAL PLANNING TEMPLATE
**GX27-2990 PHYSICAL PLANNING TEMPLATE ENGLISH MEASUREMENT
3270 INFORMATION DISPLAY SYSTEM
**GX27-2999 PHYSICAL PLANNING TEMPLATE METRIC MEASUREMENT
3270 INFORMATION DISPLAY SYSTEM
**GA18-2018 3287 PRINTER SITE PLANNING GUIDE
GX22-7047 IBM PHYSICAL PLANNING TEMPLATE: 3330 DISK STORAGE MODELS
1, 2, AND 11; 3333 DISK STORAGE & CONTROL MODELS 1 AND 11
FOR S/370; 3830 STORAGE CONTROL MODELS 1, 2 AND 3 FOR S/370
GX22-7029 3340 DISK STORAGE MODELS A2, B1 AND B2 AND 3344 DIRECT
ACCESS STORAGE MODELS B2 AND B2F FOR SYSTEM/370 -
PHYSICAL PLANNING TEMPLATE
GX22-7057 3350 DIRECT ACCESS STORAGE MODELS A2, A2F, B2, B2F, C2,
AND C2F PHYSICAL PLANNING TEMPLATE
GX22-7035 3410 MAGNETIC TAPE UNIT MODELS 1 TO 3 AND 3411 MAGNETIC TAPE
UNIT AND CONTROL MODELS 1 TO 3 FOR SYSTEM/370: IBM PHYSICAL
PLANNING TEMPLATE
GX22-7030 3420 MAGNETIC TAPE UNIT MODELS 3 TO 8 & 3803 TAPE CONTROL
MODELS 1-3 FOR SYSTEM/370: PHYSICAL PLANNING TEMPLATE
GX22-7045 3540 DISKETTE INPUT/OUTPUT UNIT MODELS B1 AND B2 FOR
SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE
GX22-7032 3704 COMMUNICATIONS CONTROLLER FOR SYSTEM/370:
IBM PHYSICAL PLANNING TEMPLATE
GX22-7051 3705 COMMUNICATIONS CONTROLLER FOR SYSTEM/370:
PHYSICAL PLANNING TEMPLATE
GX21-9155 IBM 3740 DATA ENTRY SYSTEM PHYSICAL PLANNING TEMPLATE
GA27-3104 3767 COMMUNICATION TERMINAL CUSTOMER SITE PREPARATION
GUIDE
GX27-2917 3770 DATA COMMUNICATION SYSTEM PHYSICAL PLANNING TEMPLATE
GX22-7054 3800 PRINTING SUBSYSTEM FOR SYSTEM/370: PHYSICAL PLANNING
TEMPLATE
GX22-6987 3838 ARRAY PROCESSOR MODELS 1-3 FOR SYSTEM/370: PHYSICAL
PLANNING TEMPLATE
GX22-7053 3881 OPTICAL MARK READER MODELS 1-3 & 3886 OPTICAL
CHARACTER READER MODELS 1 & 2: PHYSICAL PLANNING TEMPLATE
GX22-7052 IBM PHYSICAL PLANNING TEMPLATE FOR 3881 OPTICAL MARK READER
MODELS 1 TO 3 AND 3886 OPTICAL CHARACTER READER MODELS 1 AND
2
GX22-7031 3890 DOCUMENT PROCESSOR: PHYSICAL PLANNING TEMPLATE
**GA24-3641 IBM 3895 DOCUMENT READER/INSCRIBER, INSTALLATION MANUAL -
PHYSICAL PLANNING
**GX24-3647 IBM 3895 DOCUMENT READER/INSCRIBER PHYSICAL PLANNING
TEMPLATE
**GA24-3643 IBM 3896 TAPE-DOCUMENT CONVERTER INSTALLATION MANUAL -
PHYSICAL PLANNING
**GX24-3644 IBM 3896 TAPE - DOCUMENT CONVERTER PHYSICAL PLANNING
TEMPLATE
GA27-2741 INSTALLATION BULLETIN PHYSICAL PLANNING FOR IBM 7412
CONSOLE MODEL 1 CUSTOM SYSTEMS RPQ AA2846
GL21-9225 IBM 7460-4 STUB CARD READER RPQ EE7595 INSTALLATION
MANUAL-- PHYSICAL PLANNING

Machine Library (Six Charts)

The following six library charts are arranged by the numbers of the system models or processors and (next page) many attachable devices. The order number given

below under "I/O Configurator" identifies the publication that shows the System/370 CPUs to which a storage or communications device can be attached.

SYSTEM PUBLICATIONS	System Summary	System Reference	System Physical Planning Reference	I/O Configurator
System/370	GA22-7001	GA22-7000	GC22-7004 GC19-0004(WT)	GA22-7002

MODEL OR PROCESSOR PUBLICATIONS	Reference	Configurator	Operating Procedures	Physical Planning Template	Other Features
System/370					
Model 115	GA33-1510 GA33-1516 GA33-1520	GA33-1511	GA33-1514	GX22-7028	
Model 125	GA33-1506 GA33-1512	GA33-1507	GA33-1509	GX22-7021	
Model 135	GA33-3005 GA33-3010	GA33-3014	GC38-0005	GX22-7008	GA33-3007 GA33-3008 GA33-3009 GA33-3011
Model 138	GA24-3632			GX22-7058	
Model 145	GA24-3557 GA24-3573		GC38-0015	GX22-7005	
Model 148	GA24-3634		GC38-0017	GX22-7059	
Model 155	GA22-6942 GA22-6962	GA22-6957	GA22-6966	GX22-7006	GA22-7017
Model 158	GA22-7011 GA22-7012	GA22-7013	GC38-0025	GX22-7023	GA22-7056
Model 165	GA22-6935	GA22-6956	GA22-6969 GX22-6984	GX22-7007	GA22-6955 GA22-6958 GA22-6963
Model 168	GA22-7010	GA22-7014	GC38-0030	GX22-7022	GA22-6955 GA22-6958 GA22-6963
Model 195	GA22-6943	GA22-6944	GA22-6954	GX22-6981	
3033 Processor	GA22-7060	GA22-7065			

Storage and Communications Equipment

<i>Device or Control Unit</i>	<i>Publication Order Number</i>		<i>Device or Control Unit</i>	<i>Publication Order Number</i>	
	<i>Reference Manual</i>	<i>Physical Planning Template</i>		<i>Reference Manual</i>	<i>Physical Planning Template</i>
System/3 Computing System	GC20-8080	T57 314* K57 449*	1259 Magnetic Character Reader Models 1, 2	GA24-3500	GX22-6860† T57 411* K57 405*
System/7 Computing System	GA34-0002	T57 503* K57 507*	1259 Magnetic Character Reader Models 31-34		T57 411* K57 405*
System/32 Computing System	GC21-7582 (GC21-7591)		1270 Optical Reader Sorter Models 1-4	GA19-0035*	T57 492* K57 493*
50 Magnetic Data Inscrber Model 1	GA27-2725		1275 Optical Reader Sorter Models 2, 4	GA19-0034*	T57 411* K57 405*
1001 Data Transmission Terminal Model 3	GA24-1029 (GA21-9138)		1287 Optical Reader Models 1-5	GA21-9064	GX22-6860† T57 238* K57 155*
1013 Card Transmission Terminal Model 1		GX27-2900†			
1017 Paper Tape Reader Models 1, 2	GA33-4500	GX22-6834† T57 413* K57 407*	1288 Optical Page Reader Model 1	GA21-9081	GX22-6860† T57 249* K57 166*
1018 Paper Tape Punch Model 1	GA33-4500	GX22-6834† T57 413* K57 407*	1403 Printer Models 2, 3, 7, or N1	GA24-3073 (GA24-3312)	GX22-6834† T57 215* K57 352* T57 216* K57 161*
1030 Data Collection System (1031, 1032, 1033, 1034, 1035)	GA24-3018	GX21-9030† T57 317* K57 416*	1419 Magnetic Character Reader Model 1	GA24-1499	GX22-6860† T57 248* K57 165*
1050 Data Communication System (1051, 1052, 1053, 1054, 1055, 1056, 1057/1058)	GA24-3020	GX24-3381† T57 318* K57 417*	1419 Magnetic Character Reader Models 31, 32	GA19-0023*	T57 248* K57 165*
1052 Printer Keyboard Model 7	GA24-3471 (GA22-6877)	GX22-6859† T57 318* K57 417*	1442 Card Punch Models N1, N2	GA21-9025 (GA21-9042)	GX22-6834† T57 219* K57 167*
1053 Printer Models 1, 4	GA24-3471 GA24-3474	GX22-6859† T57 318* K57 417*	1443 Printer Model N1	GA24-3120	GX22-6834† T57 250* K57 170*
1060 Data Communication System (1061, 1062)	GA24-3034	T57 321* K57 418*	2150 Console Model 1	GA22-6877	GX22-6859† T57 252* K57 172*
1070 Process Communication System (1071, 1072)	GA26-5989	GX26-5962†	2250 Display Unit Models 1, 3	GA27-2701 GA27-2702 GA27-2721	GX22-6859† T57 253* K57 173*
1092 Programmed Keyboard Models 1, 2	GA24-3266		2260 Display Station Models 1, 2	GA27-2700	GX22-6859† T57 092* K57 097*
1093 Programmed Keyboard Models 1, 2	GA24-3266		2265 Display Station Model 1	GA27-2731	GX22-6859† T57 308* K57 363*
1130 Computing System (1131, 1132, 1133, 1134, 1055)	GA26-1575	GX26-5997† T57 313* K57 420*	2285 Display Copier Model 1	GA27-2730	GX22-6859† T57 253* K57 173*
1255 Magnetic Character Reader Models 1-3	GA24-3542	GX22-6860†	2301 Drum Storage Model 1	GA22-6895	GX22-6858† T57 255* K57 175*
1255 Magnetic Character Reader Models 21-23	GA19-0047*				

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† following the order number shows the item is for U.S.A. use only.

Publications shown in parenthesis are related references but not primary references.

<i>Device or Control Unit</i>	<i>Publication Order Number</i>		<i>Device or Control Unit</i>	<i>Publication Order Number</i>	
	<i>Reference Manual</i>	<i>Physical Planning Template</i>		<i>Reference Manual</i>	<i>Physical Planning Template</i>
2302 Disk Storage Models 3, 4	GA26-5988	GX22-6858† T57 242* K57 159*	2415 Magnetic Tape Unit and Control, Models 1-6	GA22-6866	GX22-7038† T57 410* K57 409*
2303 Drum Storage Model 1	GA26-5988	GX22-6858† T57 346* K57 349*	2420 Magnetic Tape Unit Model 5	GA32-0007	GX22-7039† T57 099* K57 093*
2305 Fixed Head Storage Models 1, 2	GA26-1589	GX22-6858† T57 502* K57 506*	2420 Magnetic Tape Unit Model 7	GA22-6866	GX22-7039† T57 425* K57 447*
2311 Disk Storage Drive Model 1	GA26-5988	GX22-6858† T57 256* K57 176*	2495 Tape Cartridge Reader Model 1	GA27-2726	GX22-7041† T57 309* K57 421*
2312 Disk Storage Model A1	GA26-3599	GX22-6858† T57 400* K57 401*	2501 Card Reader Models B1, B2	GA21-9026	GX22-6834† T57 090* K57 095*
2313 Disk Storage Model A1	GA26-3599	GX22-6858† T57 400* K57 401*	2520 Card Read Punch Model B1	GA21-9027	GX22-6834† T57 091* K57 096*
2314 Direct Access Storage Facility, Model 1	GA26-3599	GX22-6858† T57 430* K57 434*	2520 Card Punch Models B2, B3	GA21-9027	GX22-6834† T57 213* K57 207*
2314 Storage Control Models A1, B1	GA26-3599	GX22-6858† T57 400* K57 401* T57 510* T57 511*	2540 Card Read Punch Model 1	GA24-3312 (GA21-9033)	GX22-6834† T57 244* K57 160*
2318 Disk Storage Model A1	GA26-3599	GX22-7008†	2560 Multi-Function Card Machine, Models A1, A2	GA26-5893	GX22-6834† T57 214* K57 208*
2319 Disk Storage Models A1-A3, B1, B2	GA26-1606	GX22-7008† GX22-6858† GX22-7005† T57 301* K57 395* T57 510* K57 511*	2596 Card Read Punch Model 1	GA21-9144	GX22-6834† T57 522* K57 523*
2321 Data Cell Drive Model 1	GA26-5988 (GA26-3633)	GX22-6858† T57 257* K57 177*	2671 Paper Tape Reader Model 1	GA24-3388	GX22-6834† T57 272* K57 192*
2401 Magnetic Tape Unit Models 1-6, 8	GA22-6866	GX22-7037† T57 259* K57 179*	2701 Data Adapter Unit Model 1	GA22-6846 (GA22-6864)	GX22-6857† T57 263* K57 183*
2402 Magnetic Tape Unit Models 1-6	GA22-6866	GX22-6855† T57 260* K57 180*	2702 Transmission Control Model 1	GA22-6846	GX22-6857† T57 264* K57 184*
2403 Magnetic Tape Unit and Control, Models 1-6	GA22-6866	GX22-6855† T57 261* K57 181*	2703 Transmission Control Model 1	GA27-2703	GX22-6857† T57 437* K57 436*
2404 Magnetic Tape Unit and Controls, Models 1-3	GA22-6866	GX22-6855† T57 261* K57 181*	2711 Line Adapter Unit Model 1	GA27-2704	GX22-6857† T57 444* K57 443*
			2715 Transmission Control Unit Models 1, 2	GA27-2704	GX22-6857† T57 329* K57 397*

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<i>Device or Control Unit</i>	<i>Publication Order Number</i>		<i>Device or Control Unit</i>	<i>Publication Order Number</i>	
	<i>Reference Manual</i>	<i>Physical Planning Template</i>		<i>Reference Manual</i>	<i>Physical Planning Template</i>
2740 Communication Terminal Models 1, 2	GA24-3403 (GA27-3001)	GX21-9155† T57 440* K57 442*	2845 Display Control Model 1	GA27-2731	GX27-2900† T57 308* K57 363*
2741 Communication Terminal Model 1	GA24-3415	GX21-9155† T57 440* K57 442*	2848 Display Control Models 1, 2, 3, 21, 22	GA27-2700	GX22-6859† T57 092* K57 097*
2772 Multi-Purpose Control Unit Model 1	GA27-3013 (GA27-3014)	GX27-2909† T57 316* K57 414*	3203 Printer Models 1, 2	GA22-7001	GX22-7021† GX22-7028† T57 486* K57 487*
2780 Data Transmission Terminal Models 1-4	GA27-3005	GX27-2900† T57 310* K57 422*	3210 Console Printer-Keyboards Models 1, 2	GA24-3552	GX22-6859†
2790 Data Communication System (2791, 2792, 2793, 2795, 2796, 2797, 2798)	GA27-3015		3211 Printer Model 1	GA24-3543	GX22-6834† T57 336* K57 370*
2803 Tape Control Models 1-3	GA22-6866	GX22-6858† T57 266* K57 186*	3213 Console Printer Model 1	GA22-7001	GX22-6859† T57 458* K57 459*
2804 Tape Control Models 1-3	GA22-6866	GX22-7043† T57 266* K57 186*	3215 Console Printer-Keyboards Model 1	GA24-3550	GX22-6859†
2816 Switching Unit Model 1	GA22-6866	GX22-7044† T57 268* K57 188*	3270 Information Display System (3271, 3272, 3275, 3277, 3284, 3286, 3288)	GA27-2749 (GA27-2739)	GX22-7018† T57 517* K57 519*
2820 Storage Control Model 1	GA22-6895	GX22-6858† T57 269* K57 189*	3330 Disk Storage Models 1, 2, 11	GA26-1592 (GA26-1615)	GX22-7047† T57 337* K57 371*
2821 Control Unit Models 1-6	GA24-3312	GX22-6834† T57 270* K57 190*	3333 Disk Storage and Control Models 1, 11	GA26-1592 (GA26-1615)	GX22-7047† T57 454* K57 455*
2822 Paper Tape Reader Control Model 1	GA24-3388	GX22-6834† T57 272* K57 192*	3340 Direct Access Storage Facility, Models A2, B1, B2	GA26-1619	GX22-7029† T57 524* K57 525*
2826 Paper Tape Control Model 1	GA33-4500	GX22-6834† T57 413* K57 407*	3410 Magnetic Tape Unit Models 1-3	GA32-0022	GX22-6860† T57 452* K57 453*
2835 Storage Control Models 1, 2	GA26-1589	GX22-6858† T57 502* K57 506*	3411 Magnetic Tape Unit and Control, Models 1-3	GA32-0022	GX22-7035† T57 452* K57 453*
2840 Display Control Model 2	GA27-2721	GX22-6859† T57 273* K57 193*	3420 Magnetic Tape Unit Models 3-8	GA32-0021 (GA32-0020) (GA32-0023)	GX22-7030† T57 501* K57 505*
2841 Storage Control Model 1	GA26-5988	GX22-6858† T57 274* K57 194*	3504 Card Reader Models A1, A2	GA21-9124	GX22-6834† T57 514* K57 515*
2844 Auxiliary Storage Control Model 1	GA26-3599	GX22-6858† T57 445* K57 446*	3505 Card Reader Models B1, B2	GA21-9124	GX22-6834† T57 514* K57 515*
			3525 Card Punch Models P1-P3	GA21-9124	GX22-6834† T57 514* K57 515*

* 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.

Publications shown in parenthesis are related references but not primary references.

<i>Publication Order Number</i>			<i>Publication Order Number</i>		
<i>Device or Control Unit</i>	<i>Reference Manual</i>	<i>Physical Planning Template</i>	<i>Device or Control Unit</i>	<i>Reference Manual</i>	<i>Physical Planning Template</i>
3540 Diskette Input/Output Unit Models B1, B2	GA21-9197	GX22-7045† T57 482* K57 483*	3830 Storage Control Models 1, 2	GA26-1592 (GA26-1617)	GX22-7047† T57 337* K57 371* T57 538* K57 539*
3600 Finance Communication System (3601, 3604, 3610, 3612, 3614, 3618)	GA27-2764 (GC27-0001)	GX27-2955† T57 526* K57 527*	3850 Mass Storage System (3851, 3830, 3333, 3330)	GA32-0028	GX22-7053† T57 530* K57 531*
3650 Retail Store System (3651, 3653, 3275, 3284, 3657, 3659)	GA27-3075 (GA27-3074)	GX27-2914† T57 494* K57 495*	3872 Modem Model 1	GA27-3058	
3660 Supermarket System (3651, 3663, 3666, 3669)	GA27-3076 (GA27-3074)	GX27-2915† T57 540* K57 541*	3874 Modem	GA33-0002	
3670 Brokerage Communication System (3671, 3672, 3673, 3674)	GA27-3050 (GA27-3049)		3875 Modem Model 1	GA27-3058	
3704 Communications Controller Models A1-A4	GA27-3051 (GA27-3086)	GX22-7032† K57 470* T57 471*	3881 Optical Mark Reader Models 1, 2, 3	GA21-9143	GX22-7052† T57 460* K57 461*
3705 Communications Controller Models A1, A2, B1-B4, C1-C4	GA27-3051 (GA27-3087)	GX22-7051† T57 520* K57 521*	3886 Optical Character Reader Model 1	GA21-9147	GX22-6860† T57 480* K57 481*
3735 Programmable Buffered Terminal, Model 1	GA27-3043	GX27-2913†	3890 Document Processor Models A1-A6	GA24-3612	GX22-7031† T57 496* K57 497*
3740 Data Entry System (3741, 3742, 3747, 3713, 3715, 3717, 3540, Diskette)	GA21-9152	GX21-9155† T57 472* K57 473*	3944 Dial Terminal Model 10	GA19-0010*	
3747 Data Converter Model 1	GA21-9170	GX21-9155†	3945 Telegraph Line Terminator Models 11, 12	GA19-0013*	
3767 Communication Terminal Models 1, 2	GA27-3096 (GA18-2000)	K57 536* K57 537*	3974 Modulator Models 1, 2	GA19-0016*	
3770 Communication System (3771, 3773, 3774, 3775, 3776)	GA27-3097 (GA27-3094)	GX27-2917† T57 532* K57 533*	3975 Demodulator Models 1, 2	GA19-0016*	
3780 Data Communications Terminal, Model 1	GA27-3063	GX27-2900† T57 466* K57 467*	3976 Modem Models 1, 2	GA19-0020* (GA19-0021*)	
3781 Card Punch Model 1	GA27-3063	T57 466* K57 467*	3976 Modem Model 3	GA19-0041* (GA19-0042*)	
3790 Communication System (3791, 3792, 3793, 3760)	GA27-2807 GA33-4551	T57 534* K57 535*	3977 Modem Models 1, 2	GA19-0014* (GA19-0032*)	
3803 Tape Control Models 1, 2	GA32-0021 (GA32-0020)	GX22-7030† T57 501* K57 505*	4872 Modem Model 1	GA36-0001†	
3811 Printer Control Unit Model 1	GA24-3543	GX22-6834† T57 336* K57 370*	4872 Modem Models 2, 3	GA36-0004†	
			5203 Printer Models 1-3	GA33-1504	GX22-7028† T57 488* K57 489*
			5213 Printer Model 1	(GA22-7001) (GA33-1507)	GX22-6859† T57 468* K57 469*

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Publications shown in parenthesis are related references but not primary references.

<i>Device or Control Unit</i>	<i>Publication Order Number</i>	
	<i>Reference Manual</i>	<i>Physical Planning Template</i>
5275 Direct Numerical Control Station, Model 1	GA34-0016 (GA34-1531)	
5425 Multi-function Card Unit Models A1, A2	GA21-9167	GX22-7021† GX22-7028† T57 468* K57 469* T57 490* K57 491*
5486 Card Sorter	GA21-9078	
7770 Audio Response Unit Model 3	GA27-2712	GX22-6857† T57 278* K57 198*

* 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.

Publications shown in parenthesis are related references but not primary references.

OS/VS1 (20-40) RELEASES 4, 5, and 6

Note: Beginning with Release 5, most PLMs are provided in both manual and microfiche form. Microfiche editions incorporate all TNLS applying to the base publication. If you want microfiche edition(s), please have your SLSS subscription changed accordingly.

20 General Information

GC20-1752	OS/VIRTUAL STORAGE 1 FEATURES SUPPLEMENT
GC24-5104	OS/VS1 MASTER INDEX OF SL PUBLICATIONS
GCB4-5104	OS/VS1 MASTER INDEX OF SL PUBLICATIONS (MICROFICHE EDITION)
GY24-5164	OS/VS1 MASTER INDEX OF LOGIC
GYB4-5164	OS/VS1 MASTER INDEX OF LOGIC (MICROFICHE EDITION)

21 Assembler

GC33-4010	OS/VS, DOS/VS, AND VM/370 ASSEMBLER LANGUAGE
GC33-4021	OS/VS, VM/370 ASSEMBLER PROGRAMMER'S GUIDE
SY33-8041	OS/VS, VM/370 ASSEMBLER LOGIC
SYC3-8041	OS/VS AND VM/370 ASSEMBLER LOGIC (MICROFICHE EDITION)

30 Access Methods, Data Management, Storage/Communications Control Programs

GC26-3840	OS/VS1 ACCESS METHOD SERVICES
GQ26-3840	OS/VS1 ACCESS METHOD SERVICES: REL 5 (GC26-3840-1)
GT26-3840	OS/VS1 ACCESS METHOD SERVICES: REL 4 (GC26-3840-0)
SY35-0008	OS/VS1 ACCESS METHOD SERVICES LOGIC
SYC5-0008	OS/VS1 ACCESS METHOD SERVICES LOGIC (MICROFICHE EDITION)
SQ75-0008	OS/VS1 ACCESS METHOD SERVICES LOGIC: REL 4; WITH SN26-0816, REL 5 (SY35-0008-1)
STC5-0008	OS/VS1 ACCESS MEHTOD SERVICES LOGIC (MICROFICHE EDITION): REL 5 (SYC5-0008-0)
GC26-3842	PLANNING FOR ENHANCED VSAM UNDER OS/VS
GC26-3819	OS/VS VIRTUAL STORAGE ACCESS METHOD (VSAM) OPTIONS FOR ADVANCED APPLICATIONS
GT00-0240	OS/VS VSAM OPTIONS FOR ADVANCED APPLICATIONS: VS2 REL 3, 3.6; VS1 REL 4 (GC26-3819-2)
GC26-3838	OS/VS VIRTUAL STORAGE ACCESS METHOD (VSAM) PROGRAMMER'S GUIDE
SY26-3841	OS/VS1 VIRTUAL STORAGE ACCESS METHOD (VSAM) LOGIC: REL 4; WITH GN26-0818, REL 5; AND SN26-0883, REL 6
SYB6-3841	OS/VS1 VIRTUAL STORAGE ACCESS METHOD (VSAM) LOGIC (MICROFICHE EDITION)
STB6-3841	OS/VS1 VSAM LOGIC (MICROFICHE EDITION); REL 5 (SYB6-3841-0)
GC30-9502	SYSTEM SUPPORT PROGRAMS FOR ADVANCED COMMUNICATIONS FUNCTION NCP/VS, PROG PROD 5735-XX3 DESIGN OBJECTIVES
SY26-3836	OS/VS1 BDAM LOGIC
SYB6-3836	OS/VS1 BDAM LOGIC (MICROFICHE EDITION)
SY35-0003	OS/VS1 CATALOG MANAGEMENT LOGIC
SYC5-0003	OS/VS1 CATALOG MANAGEMENT LOGIC (MICROFICHE EDITION)

SY26-3837 OS/VS1 DADSM LOGIC: REL 4; WITH SN26-0807, REL 5)
 SYB6-3837 OS/VS1 DADSM LOGIC (MICROFICHE EDITION)
 GC26-3837 OS/VS1 DATA MANAGEMENT FOR SYSTEM PROGRAMMERS
 GQ26-3837 OS/VS1 DATA MANAGEMENT FOR SYSTEM PROGRAMMERS: REL 4
 (GC26-3837-1)
 GC26-3872 OS/VS1 DATA MANAGEMENT MACRO INSTRUCTIONS
 GT00-0217 DATA MANAGEMENT MACRO INSTRUCTIONS: VS1 REL 4; VS2 REL 3,
 3.6 GC26-3793-4
 GC26-3874 OS/VS1 DATA MANAGEMENT SERVICES GUIDE
 GT00-0209 DATA MANAGEMENT SERVICES GUIDE: VS1 REL 4; VS2 REL 3, 3.6
 (GC26-3783-4)
 GC24-5109 OS/VS DISKETTE COPY PROGRAMMING SUPPORT REFERENCE MANUAL,
 SCP 5744-BJ1,5744-BL1
 SY27-7240 OS/VS GRAPHICS ACCESS METHOD LOGIC MANUAL
 SYB7-7240 OS/VS GRAPHICS ACCESS METHOD LOGIC (MICROFICHE EDITION)
 GC27-6971 OS/VS GRAPHIC PROGRAMMING SERVICES (GPS) FOR IBM 2250
 DISPLAY UNIT
 GC27-6972 OS/VS GRAPHIC PROGRAMMING SERVICES (GPS) FOR IBM 2260
 DISPLAY STATION (LOCAL ATTACHMENT)
 GC27-6973 OS/VS GRAPHIC SUBROUTINE PACKAGE (GSP) FOR FORTRAN IV,
 COBOL, AND PL/I
 SY27-7242 OS/VS GRAPHIC SUBROUTINE PACKAGE (GSP) FOR FORTRAN IV,
 COBOL AND PL/I LOGIC
 SYB7-7242 OS/VS GRAPHIC SUBROUTINE PACKAGE (GSP) FOR FORTRAN IV,
 COBOL AND PL/I LOGIC (MICROFICHE EDITION)
 GC27-6974 OS/VS PROBLEM DETERMINATION AIDS AND MESSAGES AND CODES FOR
 GPS AND GSP
 SY27-7241 OS/VS GRAPHICS PROBLEM-ORIENTED ROUTINES LOGIC
 SYB7-7241 OS/VS GRAPHICS PROBLEM-ORIENTED ROUTINES LOGIC (MICROFICHE)
 SY24-5156 OS/VS1 I/O SUPERVISOR LOGIC MANUAL
 SYB4-5156 OS/VS1 I/O SUPERVISOR LOGIC (MICROFICHE EDITION)
 ST00-0295 OS/VS1 I/O SUPERVISOR LOGIC: REL 5 (SY24-5156-4).
 STB4-5156 OS/VS1 I/O SUPERVISOR LOGIC (MICROFICHE EDITION)
 REL 5 (SYB4-5156-0)
 ST00-0219 OS/VS1 I/O SUPERVISOR LOGIC MANUAL: REL 4 (SY26-5156-3)
 SY26-3838 OS/VS1 ISAM LOGIC
 SYB6-3838 OS/VS1 ISAM LOGIC (MICROFICHE EDITION)
 GC35-0011 OS/VS MASS STORAGE SYSTEM (MSS) PLANNING GUIDE
 GC35-0013 OS/VS MASS STORAGE CONTROL TABLE CREATE
 GC35-0016 OS/VS MSS SERVICES GENERAL INFORMATION
 GC38-1000 OS/VS MESSAGE LIBRARY: MASS STORAGE SYSTEM (MSS) MESSAGES
 **GQ38-1000 MSS MESSAGES: VS1 REL 5, VS2 REL 3.7 (GC38-1000-2)
 GC35-0017 OS/VS MSS SERVICES REFERENCE INFORMATION
 GC35-0014 OPERATORS LIBRARY: IBM 3850 MASS STORAGE SYSTEM (MSS)
 UNDER OS/VS
 **GC35-0018 OS/VS1 AND OS/VS2 MVS MSS ENHANCEMENTS SELECTABLE
 UNITS SYSTEM INFORMATION, SUIDS 5741-605, 5752-824
 SY35-0012 OS/VS1 MASS STORAGE SYSTEM COMMUNICATOR (MSSC) LOGIC
 SYC5-0012 OS/VS1 MSSC LOGIC (MICROFICHE EDITION)
 STC5-0012 OS/VS1 MSSC LOGIC (MICROFICHE EDITION): REL 5 (SYC5-0012-0)
 SY35-0014 OS/VS MASS STORAGE CONTROL (MSC) TRACE REPORTS LOGIC
 SYC5-0014 OS/VS MSC TRACE REPORTS LOGIC (MICROFICHE EDITION)
 SY35-0015 OS/VS MASS STORAGE SYSTEM (MSS) SERVICES LOGIC
 SYC5-0015 OS/VS MASS STORAGE SYSTEM SERVICES LOGIC (MICROFICHE)
 STC5-0015 OS/VS MSS SERVICES LOGIC (MICROFICHE EDITION):
 REL 5 (SYC5-0015-0)
 SY35-0016 OS/VS MASS STORAGE CONTROL (MSC) TABLE CREATE LOGIC
 SYC5-0016 OS/VS MSC TABLE CREATE LOGIC (MICROFICHE EDITION)
 STC5-0016 OS/VS MSC TABLE CREATE LOGIC, VS1 REL 5 (MICROFICHE EDITION)
 (SYC5-0016-0)
 **GA27-3136 IBM SYSTEMS NETWORK ARCHITECTURE REFERENCE SUMMARY
 GC38-0251 NETWORK OPERATION SUPPORT PROGRAM GENERAL INFORMATION,
 PROG PROD 5735-XX2
 GC38-0252 NETWORK OPERATION SUPPORT PROGRAM, DESIGN OBJECTIVES,
 PROG PROD 5735-XX2
 SY26-3839 OS/VS1 OPEN/CLOSE/EOV LOGIC
 SYB6-3839 OS/VS1 OPEN/CLOSE/EOV LOGIC (MICROFICHE EDITION)
 ST00-0294 OS/VS1 OPEN/CLOSE/EOV LOGIC: REL 4; WITH SN26-0814,
 REL 5 (SY26-3839-2)
 STB6-3839 OS/VS1 OPEN/CLOSE/EOV LOGIC (MICROFICHE EDITION):
 REL 5 (SYB6-3839-0)
 SY26-3840 OS/VS1 SAM LOGIC
 SYB6-3840 OS/VS1 SAM LOGIC (MICROFICHE EDITION)
 STB6-3840 OS/VS1 SAM LOGIC REL 5 (SYB6-3840-0) (MICROFICHE EDITION)
 SQ66-3840 OS/VS1 SAM LOGIC: REL 4 (SY26-3840-1)
 GC26-3795 OS/VS TAPE LABELS
 GC27-6980 OS/VS BTAM
 SY27-7246 OS/VS BTAM LOGIC
 SYB7-7246 OS/VS BTAM LOGIC (MICROFICHE EDITION)
 **STB7-7246 OS/VS BTAM LOGIC (MICROFICHE): VS1 REL 5 (SYB7-7246-0)
 GC38-1010 OS/VS1 RES RTAM AND ACCOUNT MESSAGES
 GT00-0281 OS/VS1 RES RTAM & ACCOUNT MESSAGES: REL 5 (GC38-1010-3)

GT00-0212 OS/VS1 RES RTAM & ACCOUNT MESSAGES: REL 4 (GC38-1010-2)
 SY28-6849 OS/VS1 RES RTAM AND WORKSTATION SUPPORT LOGIC
 SYB8-6849 OS/VS1 RES RTAM & WORKSTATION SUPPORT LOGIC (MICROFICHE)
 ST00-0297 OS/VS1 RES RTAM & WORKSTATION SUPPORT LOGIC:
 REL 5 (SY28-6849-3)
 STB8-6849 OS/VS1 RES RTAM & WORKSTATION SUPPORT LOGIC
 (MICROFICHE EDITION): REL 5 (SYB8-6849-0)
 **ST00-0231 OS/VS1 RES RTAM AND WORKSTATION SUPPORT LOGIC: REL 4
 (SY28-6849-2)
 **GC30-2049 OS/VS TCAM (W/NCP/VS FOR SNA) CONCEPTS & APPLICATIONS
 **GC30-3039 OS/VS TCAM INSTALLATION AND MIGRATION GUIDE LEVEL 10
 SELECTABLE UNIT (SU) IDENTIFIERS; 5741-602 (OS/VS1 SU ID)
 5742-UY99915 (OS/SVS ICR); 5752-836 (OS/MVS SU ID)
 **GC30-3037 OPERATOR'S LIBRARY: OS/VS TCAM (LEVEL 10), SUID 5741-602,
 5752-836, ICR 5742
 **GC30-3036 OS/VS TCAM (LEVEL 10) APPLICATION PROGRAMMER'S GUIDE,
 SUIDS 5741-602, 5752-836, ICR 5742
 **GC30-3040 OS/VS TCAM DEBUGGING GUIDE LEVEL 10, OS/VS1 SUID 5741-602,
 OS/MVS SUID 5752-836, OS/SVS ICR 5742-UY99915
 **GC30-3044 OS/VS MESSAGE LIBRARY: VS1 TCAM LEVEL 10
 MESSAGES OS/VS1 SU ID 5741-602
 **GC30-3046 OS/VS1 TCAM LEVEL 10 SELECTABLE UNIT SYSTEM INFORMATION,
 SU ID 5741-602
 **GC30-2052 OS/VS TCAM MACRO REFERENCE GUIDE, TCAM LEVEL 10
 (SU ID 5741-602 AND 5752-836)
 **GC30-2051 OS/VS TCAM SYSTEM PROGRAMMER'S GUIDE TCAM LEVEL 10
 SELECTABLE UNIT (SU) IDENTIFIERS: 5741-602 (OS/VS1 SU ID);
 5742-UY99915 (OS/SVS ICR); 5752-836 (OS/MVS SU ID)
 **SY30-3032 OS/VS2 TCAM LEVEL 10 LOGIC SELECTABLE UNIT (SU)
 IDENTIFIERS: 5741-602 (OS/VS1 SU ID),
 5742-UY99915 (OS/SVS ICR); 5752-836 (OS/MVS SU ID)
 GC30-2042 OS TCAM (LEVELS 8 & 9) CONCEPTS AND FACILITIES
 GC30-2045 OS/VS TCAM (LEVELS 8 & 9) USER'S GUIDE
 GC30-2054 OS/VS1 TCAM (LEVELS 8 & 9) PROGRAMMER'S GUIDE
 GT30-2054 OS/VS1 TCAM PROGRAMMER'S GUIDE: VS1 REL 4 (GC30-2054-1)
 GC30-2047 OPERATOR'S LIBRARY: OS/VS1 TCAM (LEVELS 8 & 9)
 SY30-2069 OS/VS1 TCAM (LEVELS 8 & 9) LOGIC
 SYC0-2069 OS/VS1 TCAM LOGIC (MICROFICHE EDITION)
 STC0-2069 OS/VS1 TCAM LOGIC (MICROFICHE EDITION): REL 5 (SYC0-2069-0)
 GC30-2037 OS/VS TCAM (LEVELS 4 & 5), SCP 5742, 5744-AW1/2:
 VS2 REL 1.6, 1.7, 2; VS1 REL 4
 GC27-6987 INTRODUCTION TO VTAM (VIRTUAL TELECOMMUNICATIONS ACCESS
 METHOD) (LEVEL 2)
 GC27-6998 VTAM (LEVEL 2) CONCEPTS AND PLANNING
 GQ27-6998 VTAM CONCEPTS & PLANNING: VS1 REL 4; VS2 REL 2, 3, 3.6;
 DOS/VS REL 32 (GC27-6998-2)
 GX27-0030 OS/VS1 VTAM CONTROL BLOCK OVERVIEW
 GC27-0022 OS/VS1 VTAM (LEVEL 2) DEBUGGING GUIDE
 GC27-0043 OS/VS1 REL 4 VTAM (LEVEL 1.1) DEBUGGING GUIDE
 GC27-6994 VTAM (LEVEL 2) MACRO LANGUAGE GUIDE
 GQ27-6994 VTAM MACRO LANGUAGE GUIDE: VS1 REL 4; VS2 REL 3, 3.6;
 DOS/VS REL 32 (GC27-6994-1)
 GC27-0036 SUPPLEMENT TO THE VTAM (LEVEL 2) MACRO LANGUAGE GUIDE FOR
 THE PROGRAM OPERATOR: VS1 REL 5; MVS; WITH GN27-1546,
 VS1 REL 6; MVS; SVS REL 1.7; DOS/VS REL 33
 GT27-0036 SUPPLEMENT TO THE VTAM MACRO LANGUAGE GUIDE FOR THE PROGRAM
 OPERATOR: MVS; VS1 (GC27-0036-0)
 GC27-6995 VTAM (LEVEL 2) MACRO LANGUAGE REFERENCE
 **GQ27-6995 VTAM MACRO LANGUAGE REFERENCE: VS1 REL 4; VS2 REL 3, 3.6;
 DOS/VS REL 32 (GC27-6995-3)
 GC27-0027 OS/VS VTAM (LEVEL 2) NETWORK OPERATING PROCEDURES
 GT27-0027 OS/VS VTAM NETWORK OPERATING PROCEDURES: VS1 REL 5
 (GC27-0027-0)
 GT27-6997 VTAM NETWORK OPERATING PROCEDURES: VS1 REL 4; VS2 REL 3,
 3.6; DOS/VS REL 30-32 (GC27-6997-3)
 GX27-0034 OS/VS VTAM (LEVEL 2) REFERENCE SUMMARY
 GX27-0024 VTAM (LEVEL 1.1) REFERENCE SUMMARY: VS1 REL 4; VS2 REL 3
 GC27-6996 OS/VS1 VTAM SYSTEM PROGRAMMER'S GUIDE
 GT27-6996 OS/VS1 VTAM SYSTEM PROGRAMMER'S GUIDE: REL 4 (GC27-6996-0)
 SY27-7256 INTRODUCTION TO VTAM (LEVEL 2) LOGIC: MVS; SVS REL 1.7;
 VS1 REL 5; WITH SN27-1552, VS1 REL 6; DOS/VS PLANNING ONLY
 SYB7-7256 INTRODUCTION TO VTAM LOGIC (MICROFICHE EDITION)
 SQ67-7256 INTRODUCTION TO VTAM LOGIC (LEVEL 2): DOS/VS REL 32;
 VS1 REL 4 (SY27-7256-2)
 SY27-7257 OS/VS1 VTAM LOGIC
 **STB7-7257 OS/VS1 VTAM LOGIC (MICROFICHE): REL 5 (SYB7-7257-0)
 SYB7-7257 OS/VS1 VTAM LOGIC (MICROFICHE EDITION)
 ST67-7257 OS/VS1 VTAM LOGIC: REL 4 (SY27-7257-0)
 SY27-7266 OS/VS1 VTAM DATA AREAS
 SYB7-7266 OS/VS1 VTAM DATA AREAS (MICROFICHE EDITION)
 ST67-7266 OS/VS1 VTAM DATA AREAS: REL 4 (SY27-7266-0)
 SY27-7271 OS/VS VTAM (LEVEL 2) EXECUTION SEQUENCES

**SYB7-7271 OS/VS1 VTAM EXECUTION SEQUENCES (MICROFICHE EDITION)
 GC30-3022 SYSTEM/370 SUBSYSTEM SUPPORT SERVICES (LEVELS 4 & 5)
 USER'S GUIDE
 GT00-0307 SYSTEM/370 SSS (LEVEL 4) USER'S GUIDE (GC30-3022-4)
 GT00-0300 SYSTEM/370 SSS (LEVEL 3.1) USER'S GUIDE: VS2 REL 1.7, 3,
 3.6; VS1 REL 4, 5; DOS/VS REL 32 (GC30-3022-3)
 SY30-3017 SYSTEM/370 SUBSYSTEM SUPPORT SERVICES (LEVEL 4) LOGIC
 SYC0-3017 SYSTEM/370 SUBSYSTEM SUPPORT SERVICES LOGIC (MICROFICHE)
 STC0-3017 SYSTEM/370 SSS LOGIC (MICROFICHE): VS1 REL 5 (SYC0-3017-0)
 ST00-0299 SYSTEM/370 SSS (LEVEL 3.1) LOGIC: VS2 REL 1.7, 3, 3.6;
 VS1 REL 5; DOS/VS REL 32 (SY30-3017-3)
 SQ70-3017 SYSTEM/370 SSS LOGIC: VS1 REL 4 (SY30-3017-2)
 GC30-2055 SYSTEM/370 SUBSYSTEM SUPPORT SERVICES VERSION 3.1
 COMPONENT RELEASE GUIDE
 SY30-3026 SYSTEM/370 SUBSYSTEM SUPPORT SERVICES LEVEL 3.1 COMPONENT
 RELEASE LOGIC
 GC21-5004 OS DATA MANAGEMENT SERVICES AND MACRO INSTRUCTIONS FOR IBM
 1285/1287/1288
 GY21-0013 OS DATA MANAGEMENT MACRO LOGIC FOR IBM 1285/1287/1288
 GYB1-0013 OS DATA MANAGEMENT MACRO LOGIC FOR 1285/1287/1288
 (MICROFICHE)
 GY21-0012 OS BSAM LOGIC FOR IBM 1419/1275
 GYB1-0012 OS BSAM LOGIC FOR 1419/1275 (MICROFICHE)
 GC21-5006 OS DATA MANAGEMENT SERVICES AND MACRO INSTRUCTIONS FOR IBM
 1419/1275
 GC27-6999 AN INTRODUCTION TO PROGRAMMING THE IBM 3270
 GC21-5097 OS AND OS/VS PROGRAMMING SUPPORT FOR THE IBM 3505 CARD
 READER AND IBM 3525 CARD PUNCH
 GC24-5110 OS/VS1 IBM 3540 PROGRAMMER'S REFERENCE
 SY24-5166 OS/VS1 LOGIC FOR IBM 3540 DISKETTE INPUT/OUTPUT UNIT
 **STB4-5166 OS/VS1 LOGIC FOR 3540 (MICROFICHE): REL 5 (SYB4-5166-0)
 SYB4-5166 OS/VS1 LOGIC FOR IBM 3540 (MICROFICHE EDITION)
 ST64-5166 OS/VS1 LOGIC FOR IBM 3540: REL 4 (SY24-5166-0)
 GC30-3035 3650 RETAIL STORE SYSTEM PROGRAMMER'S GUIDE REL 3.0 AND 3.1
 SY30-3025 IBM 3650 RETAIL STORE SYSTEM: RELEASE 2 HOST PROGRAM LOGIC
 SY30-3024 IBM 3650 SUBSYSTEM PROGRAM PREPARATION SUPPORT
 TRANSFORMATION DEFINITION LANGUAGE TRANSLATOR LOGIC
 GC30-3003 3704 AND 3705 COMMUNICATIONS CONTROLLERS ASSEMBLER LANGUAGE
 GC30-3002 3704 & 3705 COMMUNICATIONS CONTROLLERS, EMULATION PROGRAM
 GENERATION AND UTILITIES, GUIDE AND REFERENCE MANUAL
 PROG. NOS. 360H-TX-033,35,36; 5735-SC1; 5744-AN1, 5747-AG1
 GC30-3005 3704 & 3705 COMMUNICATIONS CONTROLLERS, EMULATION PROGRAM
 STORAGE & PERFORMANCE REFERENCE MANUAL
 GC30-3007 3704 & 3705 CONTROL PROGRAM GENERATION & UTILITIES GUIDE
 & REFERENCE MANUAL (OS/VS TCAM LEVELS 5 & 6 IN VS1; VS2
 REL 1.6, 1.7, 2, SCP 5744-BA1
 GC30-3008 3704 & 3705 CONTROL PROGRAM GENERATION & UTILITIES GUIDE &
 REFERENCE MANUAL (TCAM 10 SVS - 5742-017)
 SCP 5742, 5744-AN1/BA2, 5747-AG1/AJ2
 GQ30-3008 3704 & 3705 CONTROL PROGRAM GENERATION & UTILITIES
 GUIDE & REFERENCE MANUAL (VTAM USERS IN DOS/VS; VS1;
 VS2 REL 3, 3.6, 3.7) (GC30-3008-3)
 SY30-3007 3704 & 3705 NETWORK CONTROL PROG/VS VERSION 2 LOGIC
 SY30-3013 3704 & 3705 NCP/VS VERSION 5 LOGIC
 GC30-3006 STORAGE ESTIMATES & PERFORMANCE PLANNING FOR 3704 & 3705 NCP
 GY30-3012 IBM 3704 AND 3705 PROGRAM REFERENCE HANDBOOK
 SY30-3031 IBM 3705 COMMUNICATIONS CONTROLLER EMULATION LOGIC
 GC30-3001 IBM 3735 PROGRAMMER'S GUIDE (OS, DOS, AND VS SYSTEMS)
 GC21-5071 IBM 3740 BTAM/TCAM PROGRAMMER'S GUIDE
 GC30-3028 IBM 3773, 3774, AND 3775 PROGRAMMABLE COMMUNICATION
 TERMINALS PROGRAMMER'S GUIDE
 GC26-3846 IBM 3800 PRINTING SUBSYSTEM PROGRAMMER'S GUIDE
 GC24-5101 OS/VS IBM 3886 OPTICAL CHARACTER READER MODEL 1 REFERENCE
 SY24-5162 OS/VS IBM 3886 OPTICAL CHARACTER READER MODEL 1 LOGIC
 SYB4-5162 OS/VS 3886 OPTICAL CHARACTER READER MODEL 1 LOGIC
 (MICROFICHE)
 SY24-5163 OS/VS IBM 3890 DOCUMENT PROCESSOR LOGIC
 SYB4-5163 OS/VS 3890 DOCUMENT PROCESSOR LOGIC (MICROFICHE EDITION)

31 Support Programs

GC26-3813 OS/VS LINKAGE EDITOR AND LOADER
 GQ26-3813 OS/VS LINKAGE EDITOR AND LOADER: VS1 REL 4;
 VS2 REL 2, 3, 3.6 (GC26-3813-3)
 SY26-3815 OS/VS LINKAGE EDITOR LOGIC
 SYB6-3815 OS/VS LINKAGE EDITOR LOGIC (MICROFICHE EDITION)
 SY26-3814 OS/VS LOADER LOGIC
 SYB6-3814 OS/VS LOADER LOGIC (MICROFICHE EDITION)
 GC38-1007 OS/VS LINKAGE EDITOR AND LOADER MESSAGES

32 Utilities

GC26-3855 OS/VS AND DOS/VS ANALYSIS PROGRAM-1 (AP-1)USER'S GUIDE
SY26-3851 OS/VS ANALYSIS PROGRAM-1 (AP-1) LOGIC
**SYB6-3851 OS/VS AP-1 PLM FICHE
GC35-0005 OS/VS UTILITIES: VS1 REL 4; WITH GN26-0828, REL 5; AND
GN26-0878, REL 6; VS2 REL 3 UP
GC38-1005 OS/VS UTILITIES MESSAGES
GT00-0216 UTILITIES MESSAGES: VS1 REL 4; VS2 REL 3, 3.6 (GC38-1005-4)
SY35-0005 OS/VS UTILITIES LOGIC
SYC5-0005 OS/VS UTILITIES LOGIC (MICROFICHE EDITION)
STC5-0005 OS/VS UTILITIES LOGIC (MICROFICHE): REL 5 (SYC5-0005-0)
SQ75-0005 OS/VS UTILITIES LOGIC: VS2 REL 2 (SY35-0005-2);
WITH SN26-0784, VS1 REL 4: VS2 REL 3, 3.6

34 System Planning, Generation, Performance, SMF

GC24-5082 DOS TO OS/MFT, OS/MVT, OR OS/VS1 MANAGEMENT PLANNING GUIDE
GC24-5095 DOS AND DOS/VS TO OS/VS1 IMPLEMENTATION GUIDE
**G320-5680 VS1 PERFORMANCE TOOL, IUP 5796-PGL, NOTICE
GC24-5090 OS/VS1 PLANNING AND USE GUIDE
GT00-0296 OS/VS1 PLANNING & USE GUIDE: REL 5 (GC24-5090-5)
GT00-0215 OS/VS1 PLANNING AND USE GUIDE: REL 4 (GC24-5090-4)
GC24-5116 OS/VS1 RELEASE 6 GUIDE
GC24-5114 OS/VS1 RELEASE 5 GUIDE
GC24-5113 OS/VS1 RELEASE 4 GUIDE
GC24-5094 OS/VS1 STORAGE ESTIMATES
GT00-0293 OS/VS1 STORAGE ESTIMATES: REL 5 (GC24-5094-5)
GT00-0214 OS/VS1 STORAGE ESTIMATES: REL 4 (GC24-5094-4)
GC26-3791 OS/VS1 SYSTEM GENERATION REFERENCE
GT00-0291 OS/VS1 SYSTEM GENERATION REFERENCE: REL 5 (GC26-3791-6)
GT00-0229 OS/VS1 SYSTEM GENERATION REFERENCE: REL 4 (GC26-3791-5)
GC24-5115 OS/VS1 SYSTEM MANAGEMENT FACILITIES (SMF)
GT24-5115 OS/VS1 SYSTEM MANAGEMENT FACILITIES: REL 5 (GC24-5115-0)

35 Emulation, Simulation

GC33-2017 DOS TO OS/VS EMULATOR - REFERENCE, PROG. NO. 5744-AS1
SY33-7015 DOS TO OS/VS EMULATOR: LOGIC, PROG. NO. 5744-AS1
GC33-2018 1401/1440/1460 OS/VS EMULATOR ON SYSTEM/370 - REFERENCE
(5744-AH1)
SY33-7016 1401/1440/1460 OS/VS EMULATOR ON SYSTEM/370, LOGIC - PROG.
NO. 5744-AH1
GC33-2019 1410/7010 OS/VS EMULATOR ON SYSTEM/370, REFERENCE - PROG.
NO. 5744-AG1
SY33-7017 1410/7010 OS/VS EMULATOR ON SYSTEM/370 - LOGIC, PROG. NO.
5744-AG1
GC27-6948 7074 OS EMULATOR ON SYSTEM/370 REFERENCE,
PROG. NOS. 360C-EU-739, 741 (OS); 5744-AJ1, AK1 (VS1, VS2)
GY27-7238 7074 OS EMULATOR ON MODELS 155/158 LOGIC
PROG. NOS. 360C-EU-741 (OS); 5744-AJ1 (VS1, VS2)
GY27-7228 7074 OS EMULATOR ON MODELS 165/168 - LOGIC
PROG. NOS. 360C-EU-739 (OS), 5744-AK1 (VS1, VS2)
GC27-6952 7080 OS EMULATOR ON MODELS 165/168: REFERENCE, PROG. NOS.
360C-EU-737 (MFT/MVT), 5744-AL1 (VS1/VS2)
GY27-7229 7080 OS EMULATOR ON MODELS 165/168: LOGIC, PROG. NOS.
360C-EU-737 (MFT/MVT), 5744-AL1 (VS1/VS2)
GC27-6983 7094 OS EMULATOR ON MODELS 165/168 REFERENCE,
PROG 360C-EU-740 (MFT/MVT),5744-AM1 (VS1/VS2)
GY27-7259 7094 OS EMULATOR ON MODELS 165/168: LOGIC, PROG. NOS.
360C-EU-740 (MFT/MVT) & 5744-AM1 (VS1/VS2)

36 Control Program

GC26-3876 OS/VS1 CHECKPOINT/RESTART
GT00-0304 OS/VS CHECK POINT/RESTART: VS1 REL 5 (GC26-3784-6)
GT00-0244 OS/VS CHECK POINT/RESTART: VS1 REL 4; VS2 REL 3, 3.6
(GC26-3784-5)
SY24-5159 OS/VS1 CHECKPOINT/RESTART LOGIC
SYB4-5159 OS/VS1 CHECK POINT/RESTART LOGIC (MICROFICHE EDITION)
SY28-0605 OS/VS1 SYSTEM DATA AREAS
SYB8-0605 OS/VS1 SYSTEM DATA AREAS (MICROFICHE EDITION)
ST00-0286 OS/VS1 SYSTEM DATA AREAS: REL 5 (SY28-0605-4)
STB8-0605 OS/VS1 SYSTEM DATA AREAS (MICROFICHE): REL 5 (SYB8-0605-0)
GC34-0056 DISTRIBUTED INTELLIGENCE SYSTEM: GENERAL INFORMATION MANUAL
5744-BK1
GC34-0057 DISTRIBUTED INTELLIGENCE SYSTEM PROGRAM REFERENCE GUIDE
PROG 5744-BK1
GC34-0058 DISTRIBUTED INTELLIGENCE SYSTEM OPERATIONS MANUAL PROG.
NO.5744-BK1
GY34-0019 DISTRIBUTED INTELLIGENCE SYSTEM OS/VS1: LOGIC, PROG. NO.
5744-BK1

SY24-5160 OS/VS1 IPL AND NIP LOGIC
 SYB4-5160 OS/VS1 IPL AND NIP LOGIC (MICROFICHE EDITION)
 ST00-0282 OS/VS1 IPL AND NIP LOGIC: REL 4; WITH SN24-5511,
 REL 5 (SY24-5160-3)
 STB4-5160 OS/VS1 IPL AND NIP LOGIC (MICROFICHE): REL 5 (SYB4-5160-0)
 GC24-5099 OS/VS1 JCL REFERENCE
 GT00-0287 OS/VS1 JCL REFERENCE: REL 5 (GC24-5099-2)
 GQ24-5099 OS/VS1 JCL REFERENCE: REL 4 (GC24-5099-0)
 GC24-5100 OS/VS1 JCL SERVICES
 GT00-0278 OS/VS1 JCL SERVICES: REL 5 (GC24-5100-2)
 GQ24-5100 OS/VS1 JCL SERVICES: REL 4 (GC24-5100-1)
 SY24-5168 OS/VS1 JOB MANAGEMENT LOGIC, VOLUME 1
 SYB4-5168 OS/VS1 JOB MANAGEMENT LOGIC VOL 1 (MICROFICHE EDITION)
 STB4-5168 OS/VS JOB MANAGEMENT LOGIC VOL 1 (MICROFICHE EDITITON):
 REL 5 (SYB4-5168-0)
 SY24-5169 OS/VS1 JOB MANAGEMENT LOGIC, VOLUME 2
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 STB4-5169 OS/VS1 JOB MANAGEMENT LOGIC VOL 2 (MICROFICHE EDITION):
 REL 5 (SYB4-5169-0)
 ST00-0230 OS/VS1 JOB MANAGEMENT LOGIC VOLS 1 & 2: REL 4 (SY24-5161-4)
 SY28-0687 OS/VS POWER WARNING FEATURE (PWF) SUPPORT LOGIC-ICR GUIDE
 GC24-5091 OS/VS1 PROGRAMMER'S REFERENCE DIGEST
 GT00-0210 OS/VS1 PROGRAMMER'S REFERENCE DIGEST: REL 4 (GC24-5091-4)
 GC24-5103 OS/VS1 SUPERVISOR SERVICES AND MACRO INSTRUCTIONS
 GQ24-5103 OS/VS1 SUPERVISOR SERVICES & MACROS INSTRUCTIONS: WITH
 GN24-5499, REL 4; AND GN24-5515, REL 5 (GC24-5103-1)
 SY24-5155 OS/VS1 SUPERVISOR LOGIC
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 ST00-0298 OS/VS1 SUPERVISOR LOGIC: REL 4; WITH SN24-5483
 REL 5 (SY24-5155-4)
 STB4-5155 OS/VS1 SUPERVISOR LOGIC (MICROFICHE): REL 5 (SYB4-5155-0)

37 RAS

**GC28-0772 OS/VS ENVIRONMENTAL RECORDING EDITING AND PRINTING
 (EREP) PROGRAM, SUID 5741-601, 5752-827, ICR 5742
 **SY28-0773 OS/VS ENVIRONMENTAL RECORDING EDITING AND PRINTING (EREP)
 PROGRAM LOGIC, SUID 5741-601, 5752-827, ICR 5742
 GC24-5093 OS/VS1 DEBUGGING GUIDE
 GT00-0211 OS/VS1 DEBUGGING GUIDE: REL 4 (GC24-5093-3)
 GC28-0640 OS/VS DYNAMIC SUPPORT SYSTEM
 GX28-0690 OS/VS DSS COMMAND LANGUAGE REFERENCE SUMMARY CARD
 SY28-0672 OS/VS1 DYNAMIC SUPPORT SYSTEM LOGIC
 SYB8-0672 OS/VS1 DYNAMIC SUPPORT SYSTEM LOGIC (MICROFICHE EDITION)
 GC28-0666 OS/VS1 OLTEP
 SY28-0662 OS/VS1 OLTEP LOGIC
 SYB8-0662 OS/VS1 OLTEP LOGIC (MICROFICHE EDITION)
 **STB8-0662 OS/VS1 OLTEP LOGIC (MICROFICHE): REL 5 (SYB8-0662-0)
 SY24-5170 OS/VS1 RECOVERY MANAGEMENT SUPPORT LOGIC
 **SYB4-5170 OS/VS1 RMS LOGIC MICROFICHE
 SY27-7239 OS/VS RECOVERY MANAGEMENT SUPPORT LOGIC: SVS REL 1.6;
 VS1 REL 4, 5
 SYB7-7239 OS/VS1 RMS LOGIC (MICROFICHE EDITION): REL 5
 GC28-0665 OS/VS1 SERVICE AIDS
 GT28-0665 OS/VS1 SERVICE AIDS: REL 4 (GC28-0665-0)
 GX23-0001 OS/VS1 SERVICE AIDS REFERENCE SUMMARY
 GT00-0223 OS/VS1 SERVICE AIDS REFERENCE SUMMARY: REL 4 (GX23-0001-0)
 GC23-0005 OS/VS1 SERVICE AIDS & OLTEP MESSAGES
 SY28-0635 OS/VS1 SERVICE AIDS LOGIC
 SYB8-0635 OS/VS1 SERVICE AIDS LOGIC (MICROFICHE EDITION)
 SQ68-0635 OS/VS1 SERVICE AIDS LOGIC: REL 4 (SY28-0635-1)
 GC28-0668 OS/VS1 SYS1.LOGREC ERROR RECORDING : REL 5;
 WITH GN25-0318, REL 6
 GQ28-0668 OS/VS1 SYS1.LOGREC ERROR RECORDING: REL 4 (GC28-0668-1)
 SY28-0669 OS/VS1, SYS1.LOGREC ERROR RECORDING LOGIC
 SYB8-0669 OS/VS1 SYS1.LOGREC ERROR RECORDING LOGIC (MICROFICHE EDITION)
 **STB8-0669 SYS1.LOGREC ERROR RECORDING LOGIC (MICROFICHE EDITION):
 VS1 REL5 (SYB8-0669-0)
 SQ68-0669 OS/VS1 SYS1.LOGREC RECORDING LOGIC: REL 4 (SY28-0669-1)
 GC28-0673 OS/VS SYSTEM MODIFICATION PROGRAM (SMP)
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 GX28-0684 OS AND OS/VS SMP REFERENCE SUMMARY
 SY28-0685 OS/VS SYSTEM MODIFICATION PROGRAM (SMP) LOGIC
 SYB8-0685 OS/VS SYSTEM MODIFICATION PROGRAM (SMP) LOGIC (MICROFICHE)
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 GC28-0663 DOS/VS AND OS/VS TOLTEP FOR VTAM
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 SYB8-0664 DOS/VS AND OS/VS TOLTEP LOGIC (MICROFICHE EDITION)
 **SQ68-0664 DOS/VS AND OS/VS TOLTEP LOGIC
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38 Remote Job Entry

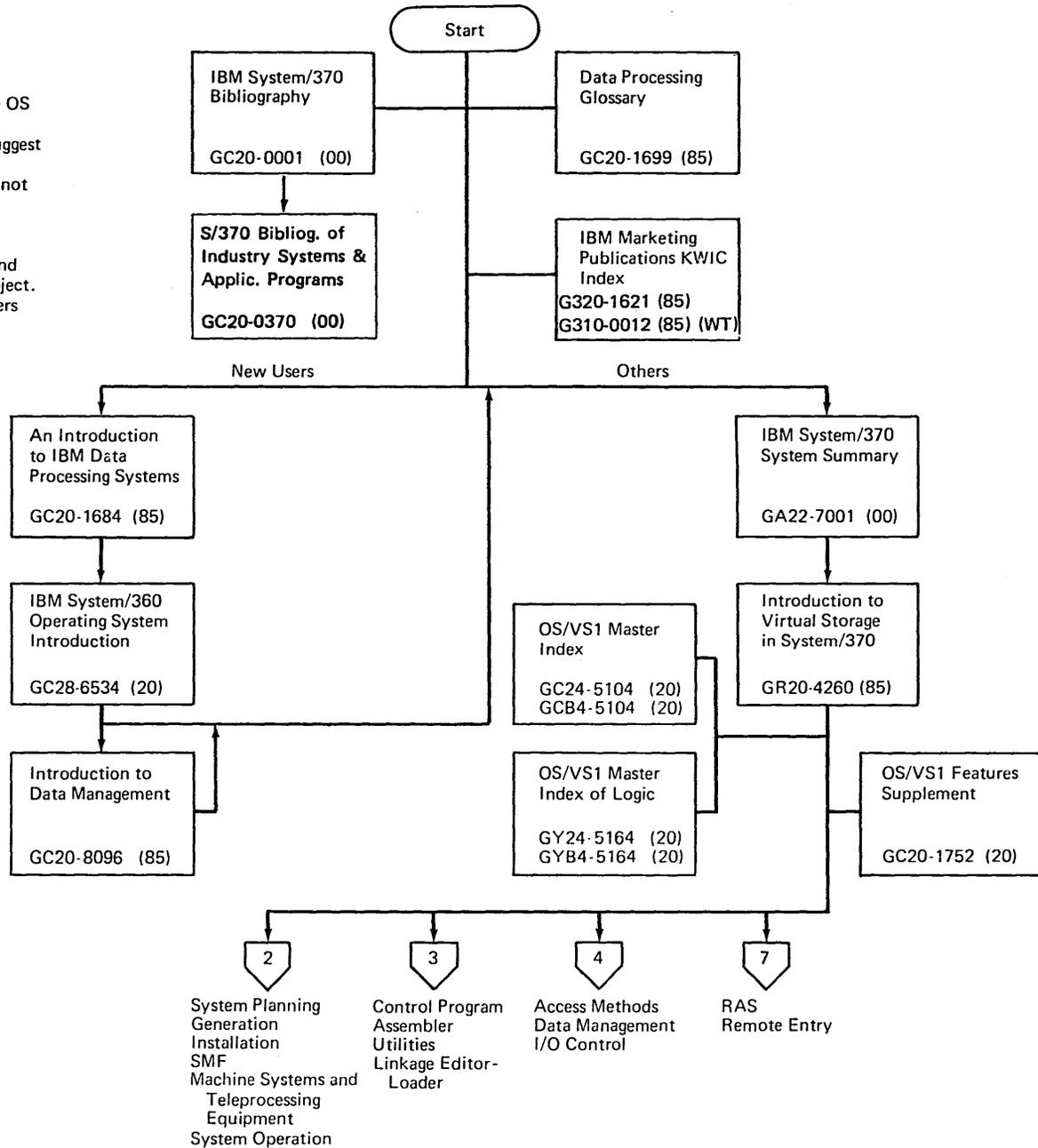
GC30-2012	OS/MFT, OS/MVT, AND OS/VS1: CRJE CONCEPTS AND FACILITIES
GC30-2016	OS/MFT, OS/MVT, AND OS/VS1: CRJE SYSTEM PROGRAMMER'S GUIDE
GC38-0335	OPERATOR'S LIBRARY: OS/VS1 CRJE
GC30-2014	OS/MFT, OS/MVT, AND OS/VS1: CRJE TERMINAL USER'S GUIDE
GY30-2011	OS/MFT, OS/MVT, AND OS/VS1: CRJE LOGIC
GYC0-2011	OS/MFT, OS/MVT, AND OS/VS1: CRJE LOGIC - PROG 360-RC-551 & SCP COMPONENT 5741-SC1-08 (MICROFICHE EDITION)
GC28-6878	OS/VS1 RES SYSTEM PROGRAMMER'S GUIDE
GT00-0290	OS/VS1 RES SYSTEM PROGRAMMER'S GUIDE: REL 5 (GC28-6878-3)
GT00-0222	OS/VS1 RES SYSTEM PROGRAMMER'S GUIDE: REL 4 (GC28-6878-2)
GC28-6879	OS/VS1 RES WORKSTATION USER'S GUIDE
GT00-0284	OS/VS1 RES WORK STATION USER'S GUIDE: REL 5 (GC28-6879-2)
GQ28-6879	OS/VS1 RES WORKSTATION USER'S GUIDE: REL 4 (GC28-6879-1)
SY28-0660	OS/VS1 RES ACCOUNT FACILITY LOGIC
SYB8-0660	OS/VS1 RES ACCOUNT FACILITY LOGIC (MICROFICHE EDITION)

40 Programming System Operation

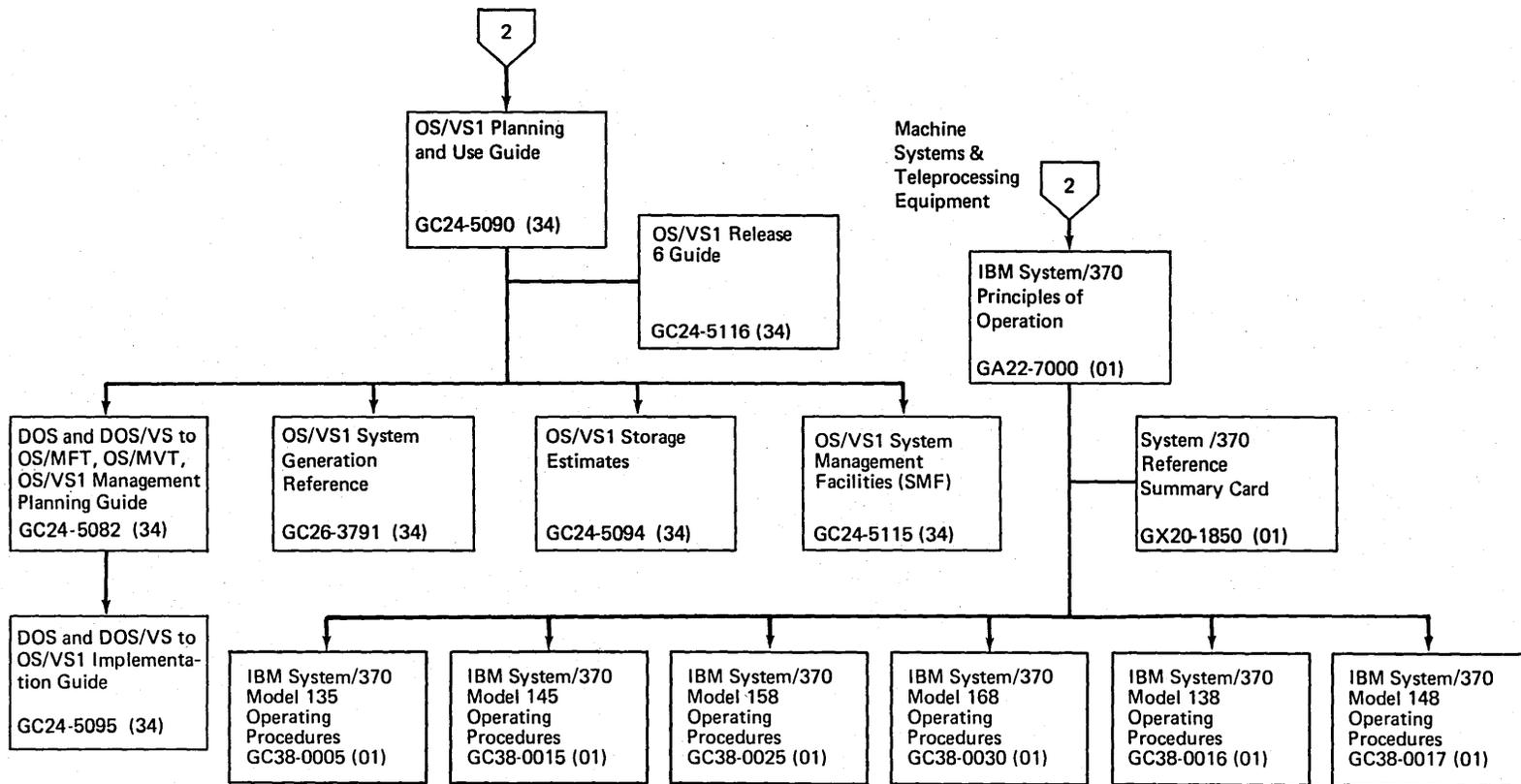
GC38-0120	OPERATOR'S LIBRARY: OS/VS CONSOLE CONFIGURATIONS
GT00-0280	OPERATOR'S LIBRARY: OS/VS CONSOLE CONFIGURATIONS: VS1 REL 5 (GC38-0120-4)
GT00-0205	OPERATOR'S LIBRARY: OS/VS CONSOLE CONFIGURATION: VS1 REL 4; VS2 REL 2, 3, 3.6 (GC38-0120-3)
GC38-0255	OPERATOR'S LIBRARY: OS/VS1 DISPLAY CONSOLES
GC38-0110	OPERATOR'S LIBRARY: OS/VS1 REFERENCE
GT00-0277	OPERATOR'S LIBRARY: OS/VS1 REFERENCE: REL 5 (GC38-0110-6)
GT00-0208	OPERATOR'S LIBRARY: OS/VS1 REFERENCE, REL 4 (GC38-0110-6)
GC38-1101	OS/VS1 ROUTING & DESCRIPTOR CODES
**GT38-1101	OS/VS1 ROUTING & DESCRIPTOR CODES: REL 6 (GC38-1101-0)
GT00-0283	OS/VS ROUTING & DESCRIPTOR CODES: VS1 REL 5 (GC38-1004-6)
GT00-0207	OS/VS MESSAGE LIBRARY: ROUTING AND DESCRIPTOR CODES: VS1 REL 4; VS2 REL 3, 3.6 (GC38-1004-5)
GC38-1011	SYSTEM/370 SUBSYSTEM SUPPORT SERVICES (LEVEL 4) MESSAGES
GT00-0292	SYSTEM/370 SSS (LEVEL 3.1) MESSAGES: SVS REL 1.7; DOS/VS REL 32; MVS; VS1 REL 5 (GC38-1011-2)
GQ38-1011	OS/VS SSS MESSAGES: VS1 REL 5; VS2 REL 3, 3.6 (GC38-1011-1)
GT38-1011	OS/VS SSS MESSAGES: VS1 REL 4, VS2 REL 3, 3.6 (GC38-1011-0)
GC38-1003	OS/VS1 SYSTEM CODES
GT00-0276	OS/VS1 SYSTEM CODES: REL 5 (GC38-1003-6)
GT00-0206	OS/VS1 SYSTEM CODES: REL 4 (GC38-1003-5)
GC38-1001	OS/VS1 SYSTEM MESSAGES
**GT00-0315	OS/VS MESSAGE LIBRARY: VS1-6 SYSTEM MESSAGES (GC38-1001-6)
**GT00-0285	OS/VS1 SYSTEM MESSAGES: REL 5 (GC38-1001-5)
**GT00-0213	OS/VS1 SYSTEM MESSAGES: REL 4 (GC38-1001-4)

This chart addresses VS1 as a member of the OS family. Subsequent charts indicate prerequisite relationships for specific VS1 topics. Arrows suggest a reading sequence or information path. Lines without arrowheads indicate material that does not discuss the concepts of the system but contains valuable reference material.

Books belonging to the Operator's Library and the Message Library are placed according to subject. They are shaded for easy identification. Numbers in parentheses () are subject codes.



System Planning, Generation,
Installation, SMF



Machine Systems &
Teleprocessing Equipment

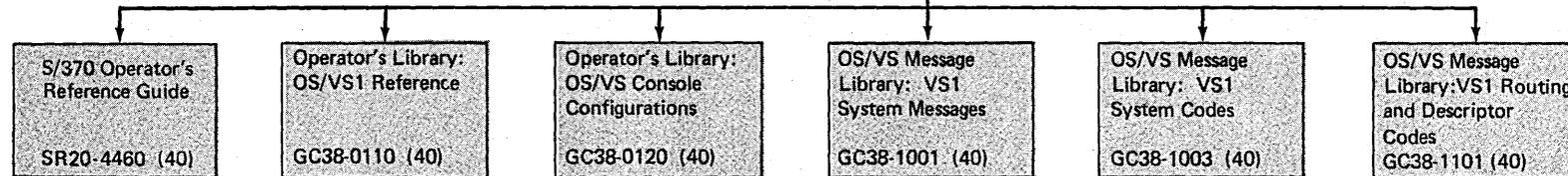
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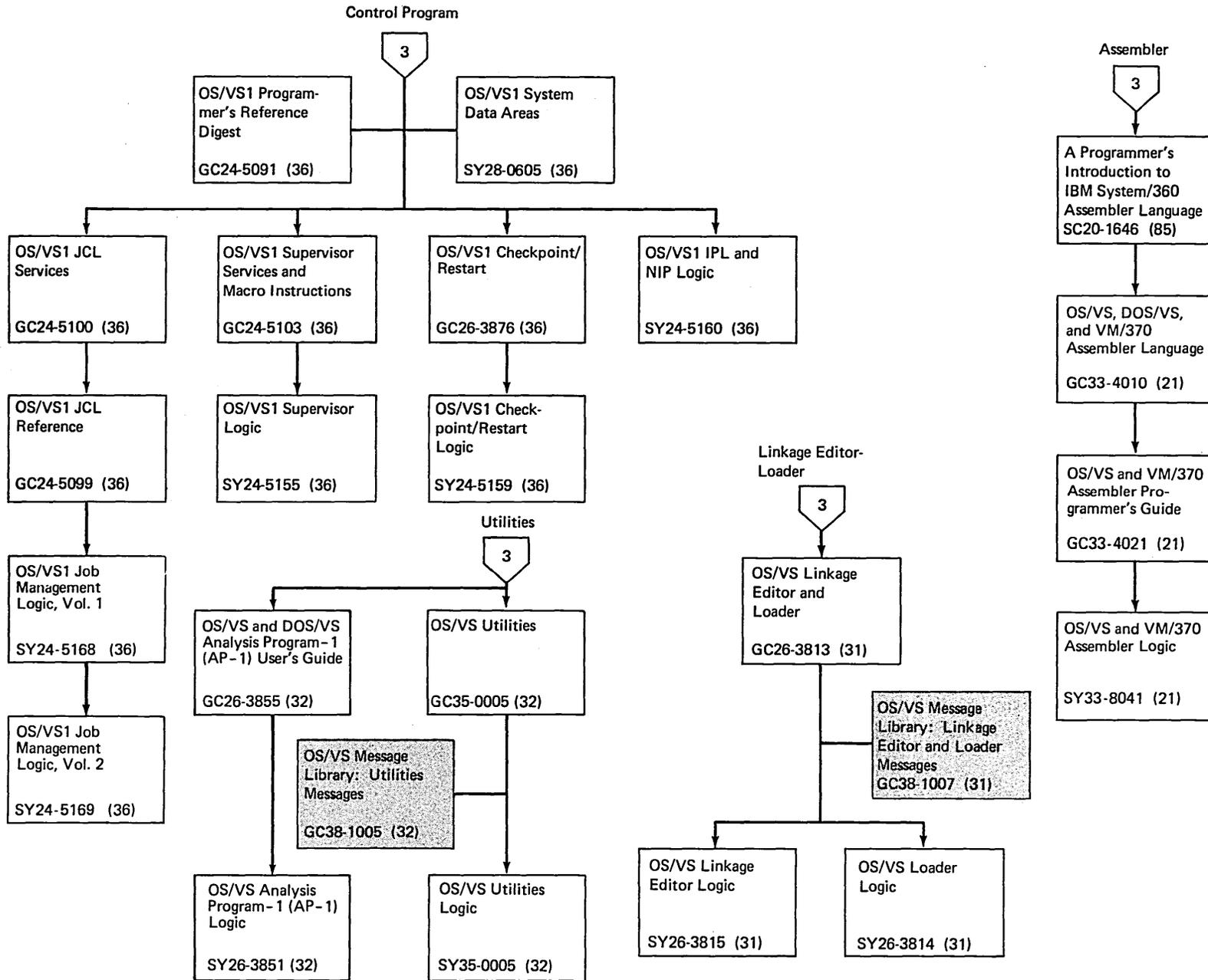
IBM System/370
Principles of
Operation
GA22-7000 (01)

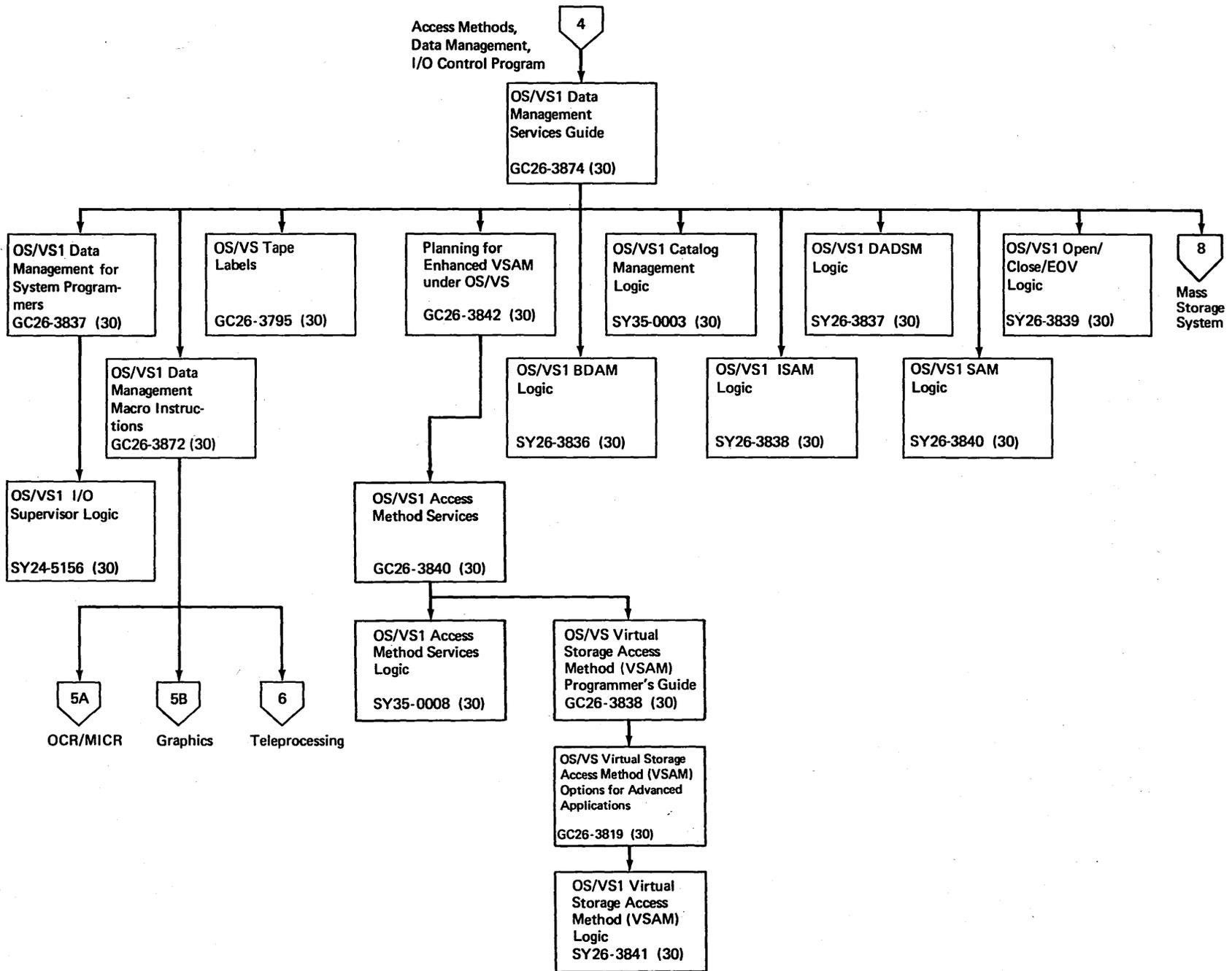
System /370
Reference
Summary Card
GX20-1850 (01)

System Operation

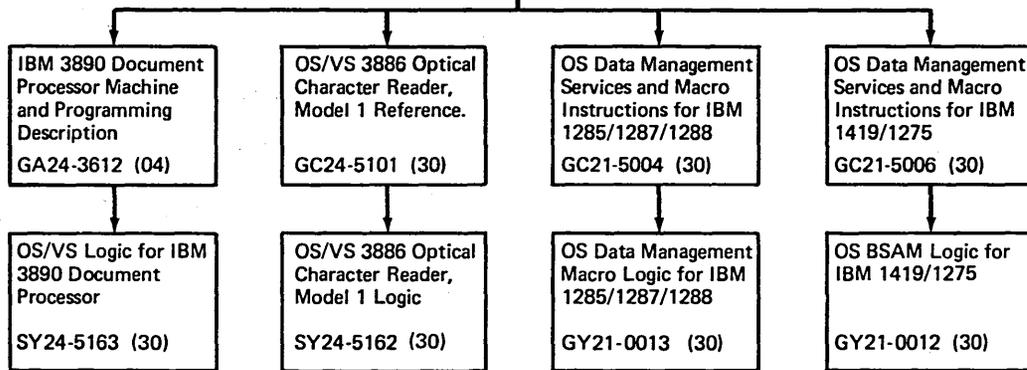
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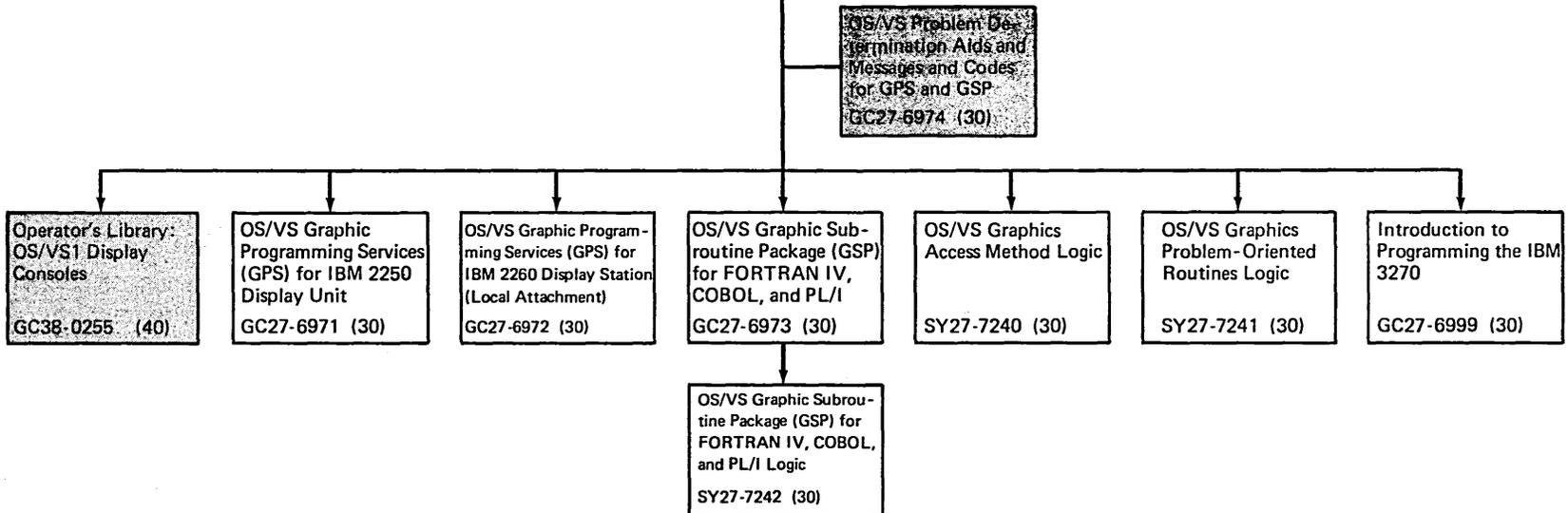


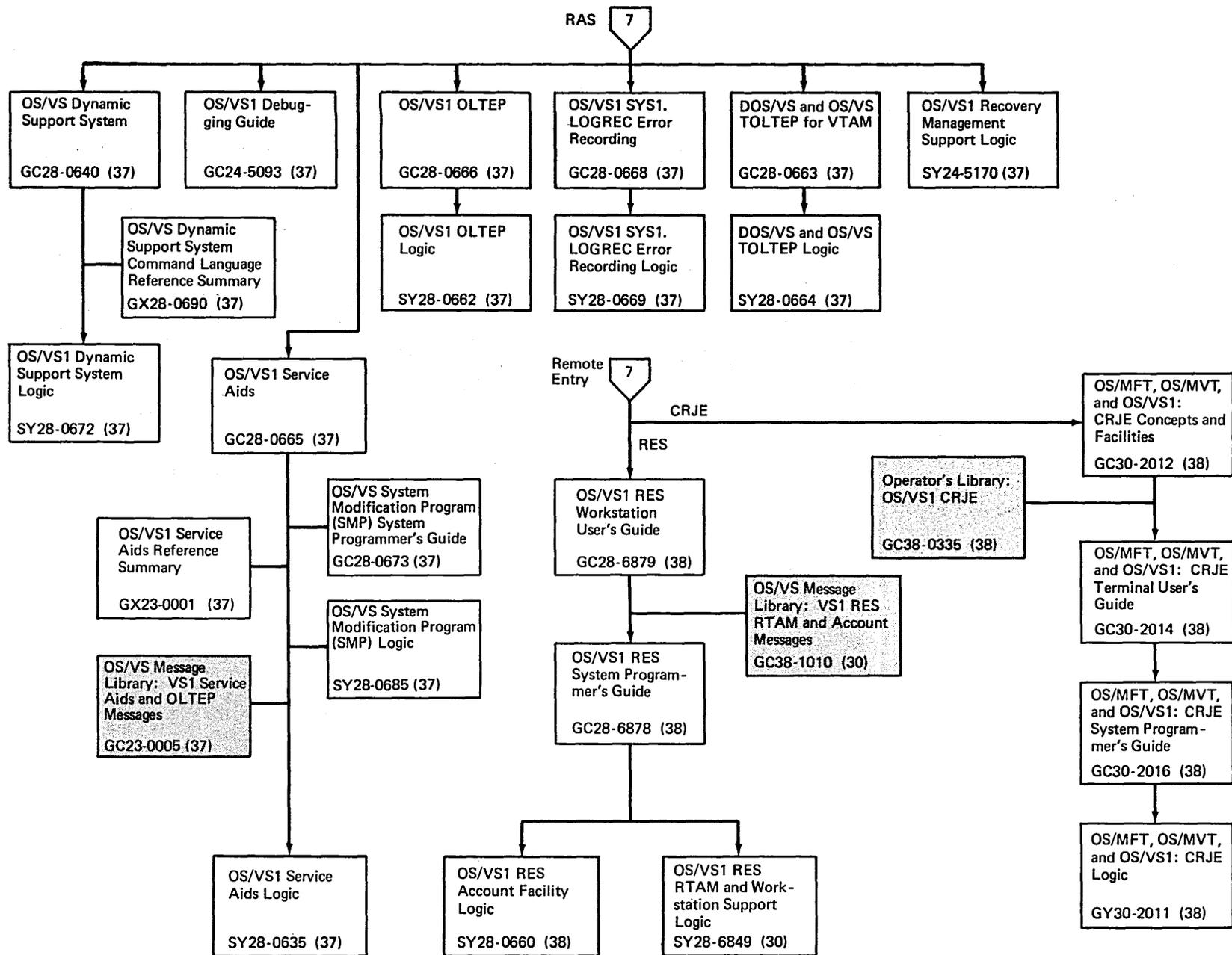


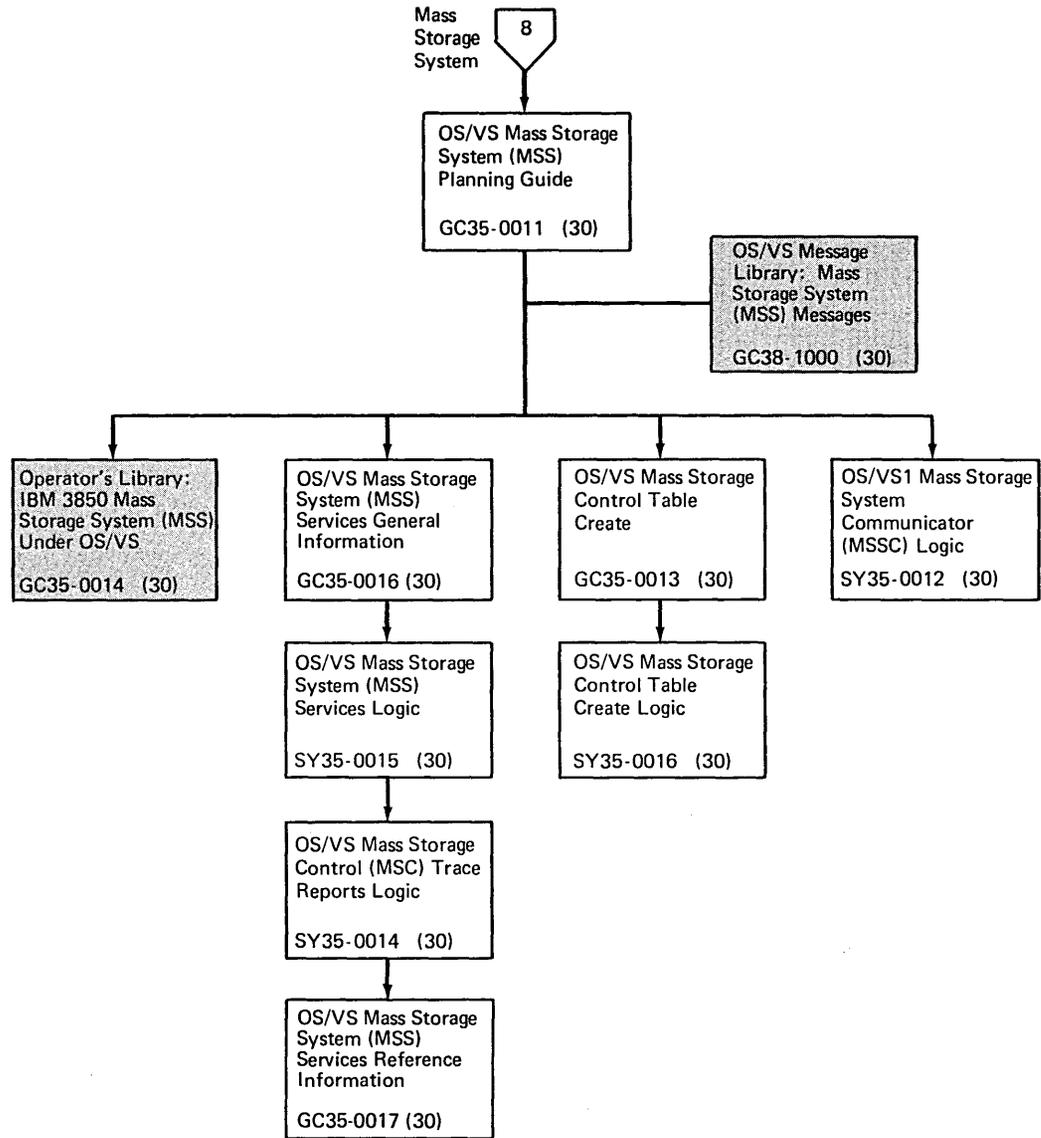
OCR/MICR 5A



Graphics 5B







SVS

OS/VS2 (SVS) (20-40)

20 General Information

GC20-1753 OS/VS2 SINGLE VIRTUAL STORAGE (SVS) FEATURES SUPPLEMENT
GC28-0602 OS/VS MASTER INDEX
GY28-0603 OS/VS MASTER INDEX OF LOGIC

21 Assembler

GT33-4010 OS/VS & VM/370 ASSEMBLER LANGUAGE: VS2 REL 1.6, 1.7;
(GC33-4010-1)
GT33-4021 OS/VS & VM/370 ASSEMBLER PROGRAMMER'S GUIDE: VS2 REL 1.6,
1.7 (GC33-4021-1)
ST73-8041 OS/VS, VM/370 ASSEMBLER LOGIC: VS2 REL 1.6, 1.7
(SY33-8041-0)

30 Access Methods, Data Management, Storage/Communications Control Programs

GC30-9502 SYSTEM SUPPORT PROGRAMS FOR ADVANCED COMMUNICATIONS
FUNCTION NCP/VS, PROG PROD 5735-XX3 DESIGN OBJECTIVES
**GC26-3867 OS/VS2 SVS INDEPENDENT COMPONENT: ACCESS METHOD SERVICES
GT35-0009 OS/VS ACCESS METHOD SERVICES: VS2 REL 1.6, 1.7 (GC35-0009-0)
**SY26-3856 OS/VS2 SVS INDEPENDENT COMPONENT: ACCESS METHOD
SERVICES LOGIC
ST75-0008 OS/VS ACCESS METHOD SERVICES LOGIC: VS2 REL 1.6, 1.7
(SY35-0008-0)
**GC26-3869 OS/VS2 SVS INDEPENDENT COMPONENT: PLANNING FOR
ENHANCED VSAM
GT00-0196 OS/VS VSAM PLANNING GUIDE: VS2 REL 1.6, 1.7 (GC26-3799-2)
GC26-3835 OS/VS VIRTUAL STORAGE ACCESS METHOD (VSAM) SYSTEM
INFORMATION
**GC26-3870 OS/VS2 SVS INDEPENDENT COMPONENT: VSAM OPTIONS FOR
ADVANCED APPLICATIONS
GT26-3819 OS/VS VSAM OPTIONS FOR ADVANCED APPLICATIONS: VS2
REL 1.6, 1.7 (GC26-3819-0)

****GC26-3868** OS/VS2 SVS INDEPENDENT COMPONENT: VIRTUAL STORAGE
ACCESS METHOD (VSAM) PROGRAMMER'S GUIDE
GT26-3818 OS/VS VSAM PROGRAMMER'S GUIDE: VS2 REL 1.6, 1.7
(GC26-3818-0)

****SY26-3857** OS/VS2 SVS INDEPENDENT COMPONENT: VIRTUAL STORAGE
ACCESS METHOD (VSAM) LOGIC
ST66-3817 OS/VS VSAM LOGIC: VS2 REL 1.6, 1.7 (SY26-3817-0)
ST66-3789 OS/VS BDAM LOGIC: VS2 REL 1.7, 1.7 (SY26-3789-1)
ST00-0181 OS/VS CATALOG MANAGEMENT LOGIC: VS2 REL 1.6/7 (SY35-0003-2)
SQ66-3787 OS/VS DADSM LOGIC: VS2 REL 1.6, 1.7 (SY26-3787-1)
GT00-0132 OS/VS DATA MANAGEMENT MACRO INSTRUCTIONS: VS2 REL 1.6, 1.7
(GC26-3793-2)

GT26-3783 OS/VS DATA MANAGEMENT SERVICES GUIDE: VS2 REL 1.6, 1.7
(GC26-3783-2)

GT28-0631 OS/VS DATA MANAGEMENT FOR SYSTEM PROGRAMMERS: VS2 REL 1.6,
1.7 (GC28-0631-2)

GC24-5109 OS/VS DISKETTE COPY PROGRAMMING SUPPORT REFERENCE MANUAL,
SCP 5744-BJ1, 5744-BL1

SY24-5165 OS/VS DISKETTE COPY PROGRAMMING SUPPORT PROGRAM LOGIC
SY27-7240 OS/VS GRAPHICS ACCESS METHOD LOGIC MANUAL
GC27-6971 OS/VS GRAPHIC PROGRAMMING SERVICES (GPS) FOR IBM 2250
DISPLAY UNIT

GC27-6972 OS/VS GRAPHIC PROGRAMMING SERVICES (GPS) FOR IBM 2260
DISPLAY STATION (LOCAL ATTACHMENT)

GC27-6973 OS/VS GRAPHIC SUBROUTINE PACKAGE (GSP) FOR FORTRAN IV,
COBOL, AND PL/I

SY27-7242 OS/VS GRAPHIC SUBROUTINE PACKAGE (GSP) FOR FORTRAN IV,
COBOL AND PL/I LOGIC

GC27-6974 OS/VS PROBLEM DETERMINATION AIDS AND MESSAGES AND CODES FOR
GPS AND GSP

SY27-7241 OS/VS GRAPHICS PROBLEM-ORIENTED ROUTINES LOGIC

****SY26-3861** OS/VS2 SVS INDEPENDENT COMPONENT: IBM 3850 MASS
STORAGE SYSTEM (MSS) LOGIC

****GC26-3880** OS/VS2 SVS INDEPENDENT COMPONENT: MASS STORAGE
SYSTEM (MSS) REFERENCE
SQ66-3823 OS/VS2 I/O SUPERVISOR LOGIC: REL 1.6, 1.7 (SY26-3823-2)
ST66-3786 OS/VS ISAM LOGIC: VS2 REL 1.6, 1.7 (SY26-3786-2)
GC35-0011 OS/VS MASS STORAGE SYSTEM (MSS) PLANNING GUIDE

****GA27-3136** IBM SYSTEMS NETWORK ARCHITECTURE REFERENCE SUMMARY
GC38-0251 NETWORK OPERATION SUPPORT PROGRAM GENERAL INFORMATION,
PROG PROD 5735-XX2

GC38-0252 NETWORK OPERATION SUPPORT PROGRAM, DESIGN OBJECTIVES,
PROG PROD 5735-XX2

ST00-0138 OS/VS OPEN/CLOSE/EOV LOGIC: VS2 REL 1.6, 1.7 (SY26-3785-2)

ST66-3788 OS/VS SAM LOGIC: VS2 REL 1.6, 1.7 (SY26-3788-2)

GT26-3795 OS/VS TAPE LABELS: VS2 REL 1.6, 1.7 (GC26-3795-1)

GT27-6980 OS/VS BTAM: VS2 REL 1.6, 1.7, 2 (GC27-6980-0)

ST67-7246 OS/VS BTAM LOGIC: VS2 REL 1.6, 1.7 (SY27-7246-0)

****GC30-2049** OS/VS TCAM (W/NCP/VS FOR SNA) CONCEPTS & APPLICATIONS

****GC30-3039** OS/VS TCAM INSTALLATION AND MIGRATION GUIDE LEVEL 10
SELECTABLE UNIT (SU) IDENTIFIERS: 5741-602 (OS/VS1 SU ID)
5742-UY99915 (OS/SVS ICR); 5752-836 (OS/MVS SU ID)

****GC30-3038** OS/VS2 SVS TCAM (5742-017) COMPONENT RELEASE GUIDE,
TCAM LEVEL 10, FEATURES 5074 OR 5075

****GC30-3037** OPERATOR'S LIBRARY: OS/VS TCAM (LEVEL 10), SUID 5741-602,
5752-836, ICR 5742

****GC30-2052** OS/VS TCAM MACRO REFERENCE GUIDE, TCAM LEVEL 10
(SU ID 5741-602 AND 5752-836)

****GC30-3036** OS/VS TCAM (LEVEL 10) APPLICATION PROGRAMMER'S GUIDE,
SUIDS 5741-602, 5752-836, ICR 5742

****GC30-3040** OS/VS TCAM DEBUGGING GUIDE LEVEL 10, OS/VS1 SUID 5741-602,
OS/MVS SUID 5752-836, OS/SVS ICR 5742-UY99915

****GC30-2051** OS/VS TCAM SYSTEM PROGRAMMER'S GUIDE TCAM LEVEL 10
SELECTABLE UNIT (SU) IDENTIFIERS: 5741-602 (OS/VS1 SU ID);
5742-UY99915 (OS/SVS ICR); 5752-836 (OS/MVS SU ID)

****SY30-3032** OS/VS2 TCAM LEVEL 10 LOGIC SELECTABLE UNIT (SU)
IDENTIFIERS: 5741-602 (OS/VS1 SU ID),
5742-UY99915 (OS/SVS ICR); 5752-836 (OS/MVS SU ID)

GC30-3009 NETWORK CONTROL PROGRAM/TCAM (LEVELS 5 & 6): NETWORK USER'S
GUIDE

GC30-2044 OS/VS TCAM LEVELS 5 & 6 PROGRAMMER'S GUIDE: VS2 REL 1.6, 1.7

SY30-2049 OS/VS TCAM (LEVEL 5) LOGIC

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GC30-2045 OS/VS TCAM LEVELS 8 & 9 USER S GUIDE

GC30-2042 OS TCAM LEVELS 8 & 9 CONCEPTS AND FACILITIES

SY30-2040 OS/VS2 TCAM LEVEL 8 LOGIC

GC30-2046 OPERATOR S LIBRARY: OS/VS2 TCAM LEVELS 8 & 9

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SY30-2059 OS/VS TCAM LEVEL 6 LOGIC: VS2 REL 2

GC30-2037 OS/VS TCAM LEVELS 4 & 5, SCP 5742, 5744-AW1/2:
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SY27-7256 INTRODUCTION TO VTAM LEVEL 2 LOGIC: MVS; SVS REL 1.7;
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SY28-0621 OS/VS2 MVS VTAM LEVEL 2 LOGIC

ST68-0621 OS/VS2 VTAM LOGIC: REL 3, 3.6 SY28-0621-0

GC27-6994 VTAM LEVEL 2 MACRO LANGUAGE GUIDE

GQ27-6994 VTAM MACRO LANGUAGE GUIDE: VS1 REL 4; VS2 REL 3, 3.6;
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GT27-6994 VTAM MACRO LANGUAGE GUIDE: VS2 REL 2 GC27-6994-0

GC27-0036 SUPPLEMENT TO THE VTAM LEVEL 2 MACRO LANGUAGE GUIDE FOR
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GT27-0036 SUPPLEMENT TO THE VTAM MACRO LANGUAGE GUIDE FOR THE PROGRAM
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GQ27-6995 VTAM MACRO LANGUAGE REFERENCE: VS1 REL 4; VS2 REL 3, 3.6;
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GT27-6995 VTAM MACRO LANGUAGE REFERENCE: VS2 REL 2 GC27-6995-2

GC27-0027 OS/VS VTAM LEVEL 2 NETWORK OPERATING PROCEDURES

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GC24-5122 VECTOR PROCESSING SUBSYSTEM VPSS PLANNING GUIDE FOR
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**GC24-5123 OS/VS2 MVS VECTOR PROCESSING SUBSYSTEM RELEASE GUIDE

**GC24-5124 OS/VS2 MVS VECTOR PROCESSING SUBSYSTEM INSTALLATION AND
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**GC24-5125 OS/VS1 AND OS/VS2 MVS VECTOR PROCESSING SUBSYSTEM
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SY27-7269 OS/VS2 MVS VTIOC AND TCAS LOGIC

GC30-3022 SYSTEM/370 SUBSYSTEM SUPPORT SERVICES LEVELS 4 & 5
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SY30-3017 SYSTEM/370 SUBSYSTEM SUPPORT SERVICES LEVEL 4 LOGIC

SYC0-3017 SYSTEM/370 SUBSYSTEM SUPPORT SERVICES LOGIC MICROFICHE

ST00-0299 SYSTEM/370 SSS LEVEL 3.1 LOGIC: VS2 REL 1.7, 3, 3.6;
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SY30-3026 SYSTEM/370 SUBSYSTEM SUPPORT SERVICES LEVEL 3.1 COMPONENT
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GC21-5004 OS DATA MANAGEMENT SERVICES AND MACRO INSTRUCTIONS FOR IBM
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GY21-0013 OS DATA MANAGEMENT MACRO LOGIC FOR IBM 1285/1287/1288

GYB1-0013 OS DATA MANAGEMENT MACRO LOGIC FOR 1285/1287/1288
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GY21-0012 OS BSAM LOGIC FOR IBM 1419/1275

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GC21-5006 OS DATA MANAGEMENT SERVICES AND MACRO INSTRUCTIONS FOR IBM
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GC27-6999 AN INTRODUCTION TO PROGRAMMING THE IBM 3270
GC21-5097 OS AND OS/VS PROGRAMMING SUPPORT FOR THE IBM 3505 CARD
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GT21-5097 OS & OS/VS PROGRAMMING SUPPORT FOR 3505 CARD READER & 3525
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GC24-5111 OS/VS2 IBM 3540 PROGRAMMER S REFERENCE
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GC30-3024 IBM 3650 SUBSYSTEM PROGRAM PREPARATION SUPPORT - APPLICATION
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GC30-3035 3650 RETAIL STORE SYSTEM PROGRAMMER S GUIDE REL 3.0 AND 3.1
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GY30-3012 IBM 3704 AND 3705 PROGRAM REFERENCE HANDBOOK
GC30-3001 IBM 3735 PROGRAMMER S GUIDE OS, DOS, AND VS SYSTEMS
GY30-3000 IBM 3735 PROGRAMMABLE BUFFERED TERMINAL FORM DESCRIPTION
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**GC24-5157 IBM 3895 OS/VS2 MVS PROGRAMMING SUPPORT SPECIFICATIONS,
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**SY26-3871 OS/VS2 MVS SYSTEM SECURITY SUPPORT SELECTABLE UNIT
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GC28-0735 OS/VS2 MVS RESOURCE MEASUREMENT FACILITY RMF
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GC28-0736 OS/VS2 MVS RESOURCE MEASUREMENT FACILITY RMF GENERAL
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GC28-0737 OS/VS2 MVS RESOURCE MEASUREMENT FACILITY RMF , PROG PROD
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**GC28-0919 OS/VS2 MVS RMF 2, LIC PROG 5740-XY4, DESIGN OBJECTIVES
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**LY28-0923 OS/VS2 MVS RESOURCE MEASUREMENT FACILITY RMF
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**LT68-0923 OS/VS2 MVS RESOURCE MEASUREMENT FACILITY RMF LY28-0923-0
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GC28-0728 OS/VS2 MVS SERVICE DATA IMPROVEMENTS SELECTABLE UNIT
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GC28-0604 OS/VS2 SYSTEM PROGRAMMING LIBRARY: STORAGE ESTIMATES
GT00-0246 OS/VS2 STORAGE ESTIMATES: REL 3, 3.6 GC28-0604-4
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GC28-0724 OS/VS2 MVS SUPERVISOR PERFORMANCE #1 SELECTABLE UNIT SYSTEM
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**GC26-3890 SUPPLEMENT TO OS/VS2 SYSTEM PROGRAMMING LIBRARY: SYSTEM
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**GT00-0373 OS/VS2 SYSTEM PROGRAMMING LIBRARY: SYSTEM
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35: Emulation, Simulation

GC33-2017 DOS TO OS/VS EMULATOR - REFERENCE, PROG. NO. 5744-AS1
SY33-7015 DOS TO OS/VS EMULATOR: LOGIC, PROG. NO. 5744-AS1
GC33-2018 1401/1440/1460 OS/VS EMULATOR ON SYSTEM/370 - REFERENCE
5744-AH1
SY33-7016 1401/1440/1460 OS/VS EMULATOR ON SYSTEM/370, LOGIC - PROG.
NO. 5744-AH1
GC33-2019 1410/7010 OS/VS EMULATOR ON SYSTEM/370, REFERENCE - PROG.
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PROG. NOS. 360C-EU-739 OS , 5744-AK1 VS1, VS2
GC27-6952 7080 OS EMULATOR ON MODELS 165/168: REFERENCE, PROG. NOS.
360C-EU-737 MFT/MVT , 5744-AL1 VS1/VS2
GY27-7229 7080 OS EMULATOR ON MODELS 165/168: LOGIC, PROG. NOS.
360C-EU-737 MFT/MVT , 5744-AL1 VS1/VS2
GC27-6983 7094 OS EMULATOR ON MODELS 165/168 REFERENCE,
PROG 360C-EU-740 MFT/MVT ,5744-AM1 VS1/VS2
GY27-7259 7094 OS EMULATOR ON MODELS 165/168: LOGIC, PROG. NOS.
360C-EU-740 MFT/MVT & 5744-AM1 VS1/VS2

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ST75-0009 OS/VS2 AUXILIARY STORAGE MANAGEMENT LOGIC: REL 2, 3, 3.6
SY35-0009-1
GC26-3877 OS/VS2 MVS CHECKPOINT/RESTART
GT00-0244 OS/VS CHECK POINT/RESTART: VS1 REL 4; VS2 REL 3, 3.6
GC26-3784-5
GQ26-3784 OS/VS CHECK POINT/RESTART: VS2 REL 2 GC26-3784-4
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**SY26-3868 OS/VS2 MVS SYSTEM SECURITY SUPPORT SUPPLEMENT, SUID 5752-832

ST00-0245 OS/VS2 CHECKPOINT/RESTART LOGIC: REL 3, 3.6 SY26-3820-3
ST00-0183 OS/VS2 CHECKPOINT/RESTART LOGIC: REL 2 SY26-3820-2
SYB8-0606 OS/VS2 DATA AREAS
**SYB8-0782 SUPPLEMENT FOR SU16: MVS SCHEDULER/IOS SUPPORT, 5752-816
**SYB8-0809 SUPPLEMENT FOR SU18: JES3 REL 2.1 MSS, 5752-818
**SYB8-0822 SUPPLEMENT FOR SU33: MVS DUMPING IMPROVEMENTS, 5752-833
**LYB8-0838 SUPPLEMENT FOR NJE JES2, PROG PROD 5740-XR8
**SYB8-0839 SUPPLEMENT FOR SU25: JES2 REL 4.1 RJE 3790 SUPPORT,
5752-825
**SYB8-0851 SUPPLEMENT FOR SU32: SYSTEM SECURITY SUPPORT, 5752-832
**SYB8-0864 SUPPLEMENT FOR SU30 TO MVS DATA AREAS: 3895, 5752-830
**SYB8-0883 SUPPLEMENT FOR SU47: ATTACHED PROCESSOR SYSTEM FOR
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**SYB8-0902 SUPPLEMENT FOR SU55: HARDWARE RECOVERY ENHNC, 5752-855
**SYB8-0935 SUPPLEMENT FOR SU29 TO MVS DATA AREA: 3838 VPSS, 5752-829
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SYB8-0742 OS/VS2 MVS DATA AREA USAGE TABLE
**SYB8-0775 SUPPLEMENT FOR SU27: DATA AREAS USAGE TABLE, 5752-827
**SYB8-0783 SUPPLEMENT FOR SU16: SCHEDULER/IOS SUPPORT, 5752-816
**SYB8-0811 SUPPLEMENT FOR SU18: JES3 REL 2.1, MSS, 5752-818
**SYB8-0823 SUPPLEMENT FOR SU33: MVS DUMPING IMPROVEMENTS, 5752-833
**SYB8-0852 SUPPLEMENT FOR SU32: SYSTEM SECURITY SUPPORT, 5752-832
**SYB8-0866 SUPPLEMENT FOR SU30 TO MVS DATA AREAS USAGE TABLE: 3895, 5752-830

**SYB8-0885 SUPPLEMENT FOR SU47: ATTACHED PROCESSOR SYSTEM FOR
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**SYB8-0904 SUPPLEMENT FOR SU55: HARDWARE RECOVERY ENHNC, 5752-855
**SYB8-0936 SUPPLEMENT FOR SU29: 3838 VPSS, 5752-829
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**SYB8-0777 SUPPLEMENT FOR SU27: MVS DIRECTORY, 5752-827
**SYB8-0785 SUPPLEMENT FOR SU16: MVS SCHEDULER/IOS SUPPORT, 5752-816
**SYB8-0810 SUPPLEMENT FOR SU18: JES3 REL 2.1 MSS, 5752-818
**SYB8-0824 SUPPLEMENT FOR SU33: MVS DUMPING IMPROVEMENTS, 5752-833
**SYB8-0854 SUPPLEMENT FOR SU32: SYSTEM SECURITY SUPPORT, 5752-832
**SYB8-0865 SUPPLEMENT FOR SU30 TO MVS DIRECTORY: 3895, 5752-830
**SYB8-0882 SUPPLEMENT FOR SU47: MVS ATTACHED PROCESSOR SYSTEM FOR
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**SYB8-0903 SUPPLEMENT FOR SU55: HARDWARE RECOVERY ENHNC, 5752-855
**SYB8-0937 SUPPLEMENT FOR SU29 TO MVS DIRECTORY: 3838 VPSS, 5752-829

SY28-0759 OS/VS2 SYSTEM INITIALIZATION LOGIC COLLATED VERSION
SY28-0623 OS/VS2 SYSTEM INITIALIZATION LOGIC REL 2, 3, 3.6; WITH
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**SY28-0798 OS/VS2 MVS MSS ENHANCEMENTS SELECTABLE UNIT: SYSTEM
INITIALIZATION LOGIC SUPPLEMENT SELECTABLE UNIT ID 5752-824
SY28-0826 OS/VS2 MVS DUMPING IMPROVEMENTS, SELECTABLE UNIT 5752-833:
SUPPLEMENT TO SYSTEM INITIALIZATION LOGIC
SY28-0875 OS/VS2 MVS ATTACHED PROCESSOR SYSTEM FOR 370 MODELS 158, 168
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SUPPLEMENT
**SY28-0895 OS/VS2 MVS HARDWARE RECOVERY ENHANCEMENTS: SYSTEM
INITIALIZATION LOGIC SUPPLEMENT - SUID 5752-855
**SY28-0929 OS/VS2 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT SELECTABLE
UNIT SUPPLEMENT: SYSTEM INITIALIZATION LOGIC, SUID 5252-829

GC28-0692 OS/VS2 MVS JCL
SC28-0786 SUPPLEMENT FOR NJE JES2 REL 2, PROG PROD 5740-XR8

**GT00-0369 OS/VS2 JCL GC28-0692-2
GQ28-0692 OS/VS2 JCL: REL 3, 3.6 GC28-0692-1
GT28-0692 OS/VS2 JCL: REL 2 GC28-0692-0
GC23-0001 JES2 FOR MVS RELEASE 3.7: SYSTEM PROGRAM LIBRARY
GX23-0005 OPERATOR S LIBRARY: OS/VS2 MVS JES2 COMMAND
LANGUAGE REFERENCE SUMMARY
GC23-0002 JES2 RELEASE 4.0: MVS, SYSTEM PROGRAM LIBRARY
GC23-0053 JES2 RELEASE 4.1 SELECTABLE UNIT SUPPLEMENT: OS/VS2 MVS
JES2 SPL SUID 5752-825
SY24-6000 OS/VS2 MVS JES2 R4 LOGIC
**SY24-6051 JES2 RELEASE 4.1 SELECTABLE UNIT SUPPLEMENT: MVS JES2
LOGIC, SUID 5752-825
SY28-0622 OS/VS2 JES2 LOGIC: VS2 REL 1.6 THROUGH 3.6
GC23-0015 OS/VS2 MVS JES2 RELEASE 4.1 SELECTABLE UNIT SYSTEM
INFORMATION SUID 5752-825
GC28-0608 OS/VS2 MVS SYSTEM PROGRAMMING LIBRARY: JES 3 RELEASE 2.1
SUID 5752-818

GQ28-0608 OS/VS2 SYS PROG LIB: JES3: REL 3.7 GC28-0608-2
GT28-0608 OS/VS2 JES3 MACRO INSTRUCTIONS: REL 3, 3.6 GC28-0608-0
SY28-0612 OS/VS2 JES3 LOGIC
**SY24-6053 OS/VS2 MVS JES3 3850 MASS STORAGE SYSTEM, SUID 5752-812,
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**SY24-6054 OS/VS2 MVS 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT
SUPPLEMENT, SUID 5752-829
GC28-0627 OS/VS2 SYSTEM PROGRAMMING LIBRARY: JOB MANAGEMENT
**GC28-0791 OS/VS2 MVS MSS ENHANCEMENTS SELECTABLE UNIT:
JOB MANAGEMENT SUPPLEMENT, SUID 5752-824
**GC28-0836 OS/VS2 MVS SYSTEM SECURITY SUPPORT SELECTABLE UNIT 32: JOB
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**GC28-0924 SUPPLEMENT FOR SU29: 3838 VPSS, 5752-289
GT28-0627 OS/VS2 SYS PROG LIBRARY: JOB MANAGEMENT: REL 3, 3.6
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GT28-0682 OS/VS2 JOB MANAGEMENT, SUPERVISOR, & TSO: VS2 REL 2
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**SC23-0003 SYSTEM PROGRAMMING LIBRARY: NETWORK JOB ENTRY FACILITY FOR
JES2, PROG PROD 5740-XR8
GC23-0009 NETWORK JOB ENTRY FACILITY FOR JES2, PROG PROD 5740-XR8
DESIGN OBJECTIVES
**GC23-0010 NETWORK JOB ENTRY FACILITY JES2 VERSION 5 PROG PROD 5740-XR8
GENERAL INFORMATION
**SC23-0011 OPERATOR S LIBRARY: JES2 VERSION 5 COMMANDS PROG PROD
5740-XR8
SC23-0012 INSTALLATION REFERENCE MATERIAL NETWORK JOB ENTRY
FACILITY FOR JES2, PROG 5740-XR8
**GC23-0013 NETWORK JOB ENTRY FACILITY FOR JES2 RELEASE 1, PROG PROD
5740-XR8, SPECIFICATIONS PPS
GC23-0019 NETWORK JOB ENTRY NJE FACILITY FOR JES2 RELEASE 2,
PROG PROD 5740-XR8, SPECIFICATIONS
LJD2-6200 OS/VS2 NJE FOR JES2, LISTINGS - LIC PROG 5740-XR8
SX23-0004 OPERATOR S LIBRARY: NETWORK JOB ENTRY FOR JES2 COMMAND
LANGUAGE REFERENCE SUMMARY
LY24-6001 NETWORK JOB ENTRY FACILITY FOR JES2 PROG 5740-XR8, LOGIC
SY28-0687 OS/VS POWER WARNING FEATURE PWF SUPPORT LOGIC-ICR GUIDE
GC28-0756 OS/VS2 SUPERVISOR SERVICES AND MACRO INSTRUCTIONS COLLATED
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GC28-0683 OS/VS2 SUPERVISOR SERVICES AND MACRO INSTRUCTIONS
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GC28-0821 OS/VS2 MVS DUMPING IMPROVEMENTS SELECTABLE UNIT 5752-833:
SUPPLEMENT TO SUPERVISOR SERVICES & MACRO INSTRUCTIONS
**GC28-0842 OS/VS2 MVS SYSTEM SECURITY SUPPORT SELECTABLE UNIT:
SUPVSR SVCS & MACRO INSTR SUPPLEMENT, SUID 5752-832
GC28-0628 OS/VS2 SYSTEM PROGRAMMING LIBRARY: SUPERVISOR

GT28-0628 OS/VS2 SYS PROG LIBRARY: SUPERVISOR: REL 3, 3.6
GC28-0628-0
ST68-0624 OS/VS2 SCHEDULER & SUPERVISOR LOGIC VOL 1: REL 2, 3, 3.6
SY28-0624-1
ST68-0625 OS/VS2 SCHEDULER & SUPERVISOR LOGIC VOL 2: REL 2, 3, 3.6
SY28-0625-1
SYB8-0744 OS/VS2 MVS SYMBOL USAGE TABLE
**SYB8-0776 SUPPLEMENT FOR SU27: MVS SYMBOL USAGE TABLE, 5752-827
**SYB8-0784 SUPPLEMENT FOR SU16: MVS SCHEDULER/IOS SUPPORT, 5752-816
**SYB8-0812 SUPPLEMENT FOR SU18: JES3 REL 2.1 MSS, 5752-818
**SYB8-0825 SUPPLEMENT FOR SU33: MVS DUMPING IMPROVEMENTS, 5752-833
**SYB8-0853 SUPPLEMENT FOR SU32: SYSTEM SECURITY SUPPORT, 5752-832
**SYB8-0867 SUPPLEMENT FOR SU30 TO MVS SYMBOL USAGE TABLE: 3895, 5752-830

**SYB8-0884 SUPPLEMENT FOR SU47: MVS ATTACHED PROCESSOR SYSTEM FOR
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**SYB8-0905 SUPPLEMENT FOR SU55: HARDWARE RECOVERY ENHNC, 5752-855
**SYB8-0938 SUPPLEMENT FOR SU29, 3838 VPSS, 5752-829
SY28-0713 OS/VS2 SYSTEM LOGIC LIBRARY - VOLUME 1 OF 7

**SY28-0930 OS/VS2 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT
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**ST68-0713 VS2 MVS SYS LOGIC LIBRARY REL.3.7 VOL 1 OF 7 SY28-0713-0
SY28-0714 OS/VS2 SYSTEM LOGIC LIBRARY - VOLUME 2 OF 7

**SY28-0931 OS/VS2 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT SUPPLEMENT,
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**ST68-0714 OS/VS2 SYSTEM LOGIC LIBRARY VOLUME 2 SY28-0714-00 REL 3.7
SY28-0715 OS/VS2 SYSTEM LOGIC LIBRARY - VOLUME 3 OF 7

**SY28-0932 OS/VS2 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT SUPPLEMENT,
SYSTEM LOGIC LIBRARY VOL 3, SUID 5752-829
**ST68-0715 OS/VS2 SYSTEM LOGIC LIBRARY VOLUME 3 SY28-0715-00 REL 3.7
SY28-0716 OS/VS2 SYSTEM LOGIC LIBRARY - VOLUME 4 OF 7

**ST68-0716 OS/VS2 SYSTEM LOGIC LIBRARY VOLUME 4 SY28-0716-00 REL 3.7
SY28-0717 OS/VS2 SYSTEM LOGIC LIBRARY - VOLUME 5 OF 7

**ST68-0717 OS/VS2 SYSTEM LOGIC LIBRARY VOLUME 5, SY28-0717-00 VS2 R3.7
SY28-0718 OS/VS2 SYSTEM LOGIC LIBRARY - VOLUME 6 OF 7

**SY28-0933 OS/VS2 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT SUPPLEMENT,
SYSTEM LOGIC LIBRARY VOL 6, SUID 5752-829
**ST68-0718 OS/VS2 SYSTEM LOGIC LIBRARY VOLUME 6 SY28-0718-00 REL 3.7
SY28-0719 OS/VS2 SYSTEM LOGIC LIBRARY - VOLUME 7 OF 7

**SY28-0934 OS/VS2 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT SUPPLEMENT,
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**ST68-0719 OS/VS2 SYSTEM LOGIC LIBRARY VOLUME 7 SY28-0719-00 REL 3.7
SBOF-8210 OS/VS2 SYSTEM LOGIC LIBRARY - VOLUMES 1 THROUGH 7
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37. RAS

GC28-0751 OS/VS2 DEBUGGING HANDBOOK VOLUME 1 COLLATED VERSION
GC28-0708 OS/VS2 DEBUGGING HANDBOOK VOLUME 1
**GC28-0800 SUPPLEMENT FOR SU30 TO MVS DEBUG HBOOK VOL 1: 3895, 5752-830

**GC28-0816 OS/VS2 MVS DUMPING IMPROVEMENTS SELECTABLE UNIT: DEBUGGING
HANDBOOK VOL 1, SUPPLEMENT, SUID 5752-833
**GC28-0845 OS/VS2 MVS SYSTEM SECURITY SUPPORT SUPPLEMENT SUID 5752-832
**GC28-0891 OS/VS2 MVS HARDWARE RECOVERY ENHANCEMENTS SUPPLEMENT:
DEBUGGING HANDBOOK VOL 1 SUID 5752-855
**GC28-0925 OS/VS2 MVS 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT
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SUID 5752-829

GC28-0752 OS/VS2 DEBUGGING HANDBOOK VOLUME 2 COLLATED VERSION
GC28-0709 OS/VS2 DEBUGGING HANDBOOK VOLUME 2
**GC28-0787 OS/VS2 MVS MSS ENHANCEMENTS SELECTABLE UNIT: DEBUGGING
HANDBOOK VOL 2 SUPPLEMENT SUID 5752-824
**GC28-0814 OS/VS MVS SCHEDULER/IOS SUPPORT SELECTABLE UNIT:
DEBUGGING HANDBOOK SUPPLEMENT SELECTABLE UNIT ID 5752-816
GC28-0817 OS/VS2 MVS DUMPING IMPROVEMENTS SELECTABLE UNIT:
DEBUGGING HANDBOOK - VOL. 2 SU ID 5752-833
SUPPLEMENT

**GC28-0869 SUPPLEMENT FOR SU30 TO MVS DEBUG HBOOK VOL 2: 3895, 5752-830

GC28-0874 OS/VS2 MVS ATTACHED PROCESSOR SYSTEM FOR 370 MODELS 158, 168
SELECTABLE UNIT SU ID 5752-847 : DEBUGGING HANDBOOK, VOL 2
SUPPLEMENT

**GC28-0892 OS/VS2 MVS HARDWARE RECOVERY ENHANCEMENTS SUPPLEMENT:
DEBUGGING HANDBOOK - VOL 2 SUID 5752-855

**GC28-0926 OS/VS2 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT SELECTABLE
UNIT SUPPLEMENT: DEBUGGING HANDBOOK VOL 2 , SUID 5752-829

GBOF-8211 OS/VS2 DEBUGGING HANDBOOKS VOLUMES 1 & 2 UNCOLLATED
VERSIONS

GT00-0238 OS/VS2 DEBUGGING HANDBOOK: VS2 REL 3, 3.6 GC28-0632-2

GQ28-0632 OS/VS2 DEBUGGING GUIDE: VS2 REL 2 GC28-0632-1

GC28-0725 OS/VS2 SYSTEM PROGRAMMING LIBRARY: MVS DIAGNOSTIC TECHNIQUES

**GC34-2001 OS/VS DISPLAY EXCEPTION MONITORING FACILITY DEMF SYSTEM
CONTROL PROGRAMMING SPECIFICATIONS, SCP 5744-CM1

**GC34-2002 OS/VS DISPLAY EXCEPTION MONITORING FACILITY DEMF SYSTEM
INFORMATION, SCP 5744-CM1

**GC34-2003 OS/VS DISPLAY EXCEPTION MONITORING FACILITY USER S GUIDE

GC28-0640 OS/VS DYNAMIC SUPPORT SYSTEM

GX28-0690 OS/VS DSS COMMAND LANGUAGE REFERENCE SUMMARY CARD

SY28-0679 OS/VS2 DYNAMIC SUPPORT SYSTEM LOGIC

GC28-0772 OS/VS ENVIRONMENTAL RECORDING EDITING AND PRINTING
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**GC28-0870 OS/VS EREP INDEPENDENT COMPONENT RELEASE SYSTEM INFORMATION

SY28-0773 OS/VS ENVIRONMENTAL RECORDING EDITING AND PRINTING EREP
PROGRAM LOGIC, SUID 5741-601, 5752-827, ICR 5742

**SY28-0859 OS/VS2 MVS DUMPING IMPROVEMENTS SELECTABLE UNIT:
OS/VS ENVIRONMENTAL RECORDING EDITING AND PRINTING EREP
PROGRAM LOGIC SUPPLEMENT SELECTABLE UNIT ID 5752-833

**SY28-0880 SUPPLEMENT FOR SU47: MVS ATTACHED PROCESSOR SYSTEM FOR
MODELS 158/168, 5752-847

GC28-0703 OS/VS2 JES 3 DEBUGGING GUIDE

**GC23-0051 OS/VS2 MVS JES3 3850 MASS STORAGE SYSTEM SUID 5752-818:
JES3 DEBUGGING GUIDE SUPPLEMENT

**GC23-0058 OS/VS2 MVS 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT
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**GC28-0952 OS/VS2 MVS MULTIPROCESSING: AN INTRODUCTION AND GUIDE TO
WRITING OPERATING AND RECOVERY PROCEDURES

GC28-0675 OS/VS2 OLTEP

GT28-0675 OS/VS2 OLTEP: REL 2, 3, 3.6 GC28-0675-0

SY28-0676 OS/VS2 OLTEP LOGIC

ST68-0676 OS/VS2 OLTEP LOGIC: REL 2,3,3.6 SY28-0676-0

SY28-0758 OS/VS2 RECOVERY MANAGEMENT SUPPORT LOGIC COLLATED VERSION

SY27-7250 OS/VS2 RECOVERY MANAGEMENT SUPPORT LOGIC REL 2; WITH
SN27-1505, REL 3, 3.6, 3.7

**SY28-0792 SUPPLEMENT FOR SU 24: MSS PROG ENHANCEMENTS, 5752-824

SY28-0878 OS/VS2 MVS ATTACHED PROCESSOR SYSTEM FOR 370 MODELS 158, 168
SELECTABLE UNIT SU ID 5752-847 : RECOVERY MANAGEMENT
SUPPORT LOGIC SUPPLEMENT

**SY28-0894 SUPPLEMENT FOR SU55: HARDWARE RECOVERY ENHANCE, 5752-855

GC28-0674 OS/VS2 SYSTEM PROGRAMMING LIBRARY SERVICE AIDS

**GC23-0054 DUMPING IMPROVEMENTS SELECTABLE UNIT: OS/VS2 MVS SYSTEM
PROGRAMMING LIBRARY: SERVICE AIDS SUPPLEMENT SELECTABLE
UNIT ID 5752-833

GQ28-0674 OS/VS2 MVS SYSTEM PROGRAMMING LIBRARY SERVICE AIDS
GC28-0674-1

GT28-0674 OS/VS2 SYS PROG LIBRARY: SERVICE AIDS: REL 2, 3, 3.6
GC28-0674-0

GC23-0006 OS/VS2 SERVICE AIDS & OLTEP MESSAGES

**GC23-0016 ENVIRONMENTAL RECORDING EDITING AND PRINTING EREP
PROGRAM SELECTABLE UNIT: OS/VS2 SERVICE AIDS AND OLTEP
MESSAGES SUPPLEMENT SUID 5752-827

GX23-0002 OS/VS2 SERVICE AIDS REFERENCE SUMMARY

GT00-0239 OS/VS2 SERVICE AIDS REFERENCE SUMMARY: REL 3, 3.6
GX23-0002-0

GT00-0166 OS/VS SERVICE AIDS REFERENCE SUMMARY: VS2 REL 2 GX28-0634-0

SY28-0643 OS/VS2 SERVICE AIDS LOGIC

**SY24-6052 SUPPLEMENT FOR SU33: MVS DUMPING IMPROVEMENTS, 5752-833

ST00-0309 OS/VS2 SERVICE AIDS LOGIC: REL 3.7 SY28-0643-3

ST00-0232 OS/VS2 SERVICE AIDS LOGIC, REL 3, 3.6 SY28-0643-2

SQ68-0643 OS/VS2 SERVICE AIDS LOGIC: VS2 REL 2 SY28-0643-1

GC28-0677 OS/VS2 SYSTEM PROGRAMMING LIBRARY: SYS1.LOGREC ERROR
RECORDING FOR MVS

**GT00-0371 OS/VS2 MVS PROG LIB SYS1.LOGREC ERROR GC28-0677-3

GQ28-0677 OS/VS2 SYS1.LOGREC ERROR RECORDING FOR MVS: REL 3, 3.6
GC28-0677-2

GT28-0677 OS/VS2 SYS1.LOGREC ERROR RECORDING: REL 2 GC28-0677-0

SY28-0678 OS/VS2 SYS1.LOGREC ERROR RECORDING LOGIC

SQ68-0678 OS/VS2 SYS1.LOGREC ERROR RECORDING LOGIC: REL 3, 3.6
SY28-0678-2

ST68-0678 OS/VS2 SYS1.LOGREC ERROR RECORDING LOGIC: REL 2
SY28-0678-1
GC28-0673 OS/VS SYSTEM MODIFICATION PROGRAM SMP
SYSTEM PROGRAMMERS GUIDE
GX28-0684 OS AND OS/VS SMP REFERENCE SUMMARY
SY28-0685 OS/VS SYSTEM MODIFICATION PROGRAM SMP LOGIC
SYB8-0685 OS/VS SYSTEM MODIFICATION PROGRAM SMP LOGIC MICROFICHE
ST68-0685 OS/VS SYSTEM MODIFICATION PROGRAM SMP LOGIC: VS2 REL
1.6, 1.7, 2, 3, 3.6 SY28-0685-1
GC28-0663 TOLTEP FOR VTAM
GT28-0663 TOLTEP FOR VTAM: VS2 REL 2; WITH GN28-2588,
REL 3, 3.6 GC28-0663-0
SY28-0664 DOS/VS AND OS/VS TOLTEP LOGIC
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**SQ68-0664 DOS/VS AND OS/VS TOLTEP LOGIC
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ST68-0664 TOLTEP LOGIC: VS2 REL 2 SY28-0664-0

38. Remote Job Entry

GC38-0225 OPERATOR S LIBRARY: OS/VS2 REMOTE TERMINALS JES2
GC38-0228 OPERATOR S LIBRARY: OS/VS2 REMOTE TERMINALS JES3

39. Time Sharing

GC28-0646 OS/VS2 TSO COMMAND LANGUAGE REFERENCE
**GC28-0847 OS/VS2 MVS SYSTEM SECURITY SUPPORT SELECTABLE UNIT 32: TSO
COMMAND LANGUAGE REFERENCE SUPPLEMENT, SUID 5752-832
GT00-0247 OS/VS2 TSO COMMAND LANGUAGE REFERENCE: REL 3, 3.6
GC28-0646-2
GQ28-0646 OS/VS2 TSO COMMAND LANGUAGE REFERENCE: REL 2
GC28-0646-1
GX28-0647 OS/VS2 TSO COMMAND LANGUAGE REFERENCE SUMMARY
GT00-0249 OS/VS2 TSO COMMAND LANGUAGE REFERENCE SUMMARY: REL 3, 3.6
GX28-0647-2
GT00-0167 OS/VS2 TSO COMMAND LANGUAGE REFERENCE SUMMARY: REL 2
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GC28-0745 OS/VS2 MVS TSO COMMAND PACKAGE PROG PROD 5740-XT6 DESIGN
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GC28-0746 OS/VS2 MVS TSO COMMAND PACKAGE PROG PROD 5740-XT6
SPECIFICATIONS
SC28-0748 OS/VS2 MVS TSO COMMAND PACKAGE REFERENCE AND USERS
GUIDE, PROG PROD 5740-XT6
LJB2-9501 OS/VS2 DASD TSO COMMAND PACKAGE, PROG 5740-XT6
LY28-0749 OS/VS2 MVS TSO COMMAND PACKAGE LOGIC, PROG PROD 5740-XT6
LYB8-0768 OS/VS2 MVS TSO COMMAND PACKAGE DATA AREAS PROG 5740-XT6
LYB8-0769 OS/VS2 MVS TSO COMMAND PACKAGE DIRECTORY PROG 5740-XT6
SY28-0651 OS/VS2 TSO COMMAND PROCESSOR LOGIC VOLUME I: ACCOUNT
SY33-8548 OS/VS2 TSO COMMAND PROCESSOR LOGIC VOLUME II: EDIT
SQ73-8548 OS/VS2 TSO COMMAND PROCESSOR LOGIC VOLUME II: EDIT: REL 2
SY33-8548-1
SY35-0004 OS/VS2 TSO COMMAND PROCESSOR LOGIC VOLUME III: TEST
REL 2, 3, 3.6; WITH SN28-2629, REL 3.7
SY28-0652 OS/VS2 TSO COMMAND PROCESSOR LOGIC VOLUME IV
REL 3; WITH SN28-2630, REL 3.7
SQ68-0652 OS/VS2 TSO COMMAND PROCESSOR LOGIC VOLUME IV: REL 2
SY28-0652-1
SY28-0653 OS/VS2 TSO ENHANCEMENTS NO. 2 LOGIC
GC28-0629 OS/VS2 SYSTEM PROGRAMMING LIBRARY: TSO
**GC28-0868 OS/VS2 MVS SYSTEM SECURITY SUPPORT SELECTABLE UNIT:
TSO SUPPLEMENT, SUID 5752-832
GT28-0629 OS/VS2 SYS PROG LIBRARY: TSO: REL 3, 3.6 GC28-0629-0
GC28-6762 OS/MVT AND OS/VS2 TSO TERMINALS MANUAL
**GD21-0001 SUPPLEMENT FOR ACF/VTAM TO MVT & VS2 TSO TERMINALS, 5735-RC2
**GT00-0263 OS/MVT & OS/VS2 TSO TERMINALS: MVT REL 21.6,21.7
LEV 4 TCAM; VS2 REL 1.6,2,3 LEV 8 TCAM GC28-6762-3
GC28-0645 OS/VS2 TSO TERMINAL USER S GUIDE
**GC28-0849 OS/VS2 MVS SYSTEM SECURITY SUPPORT SELECTABLE UNIT:
TSO TERMINAL USER S GUIDE SUPPLEMENT, SUID 5752-832
GT00-0241 OS/VS2 TSO TERMINAL USER S GUIDE: REL 3, 3.6 GC28-0645-2
GQ28-0645 OS/VS2 TSO TERMINAL USER S GUIDE: REL 2 GC28-0645-1
SY28-0650 OS/VS2 TSO TERMINAL MONITOR PROGRAM AND SERVICE ROUTINES
LOGIC REL 3; WITH SN28-2631, REL 3.7
SQ68-0650 OS/VS2 TSO TERMINAL MONITOR PROGRAM & SERVICE ROUTINES
LOGIC: REL 2 SY28-0650-1
SY28-0654 OS/VS2 TSO TERMINAL MESSAGES DIRECTORY
**SY28-0850 OS/VS2 MVS SYSTEM SECURITY SUPPORT SUPPLEMENT:
TSO TERMINAL MESSAGES DIRECTORY SU ID 5752-832
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ST68-0654 OS/VS2 TSO TERMINAL MESSAGES DIRECTORY: REL 2
SY28-0654-0

GC28-0648 OS/VS2 TSO GUIDE TO WRITING A TERMINAL MONITOR PROGRAM OR
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 **GC28-0848 OS/VS2 MVS SYSTEM SECURITY SUPPORT SELECTABLE UNIT:
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 GC27-0046 OS/VS2 MVS TSO/VTAM SELECTABLE UNIT SYSTEM INFORMATION,
 SUID 5752-813

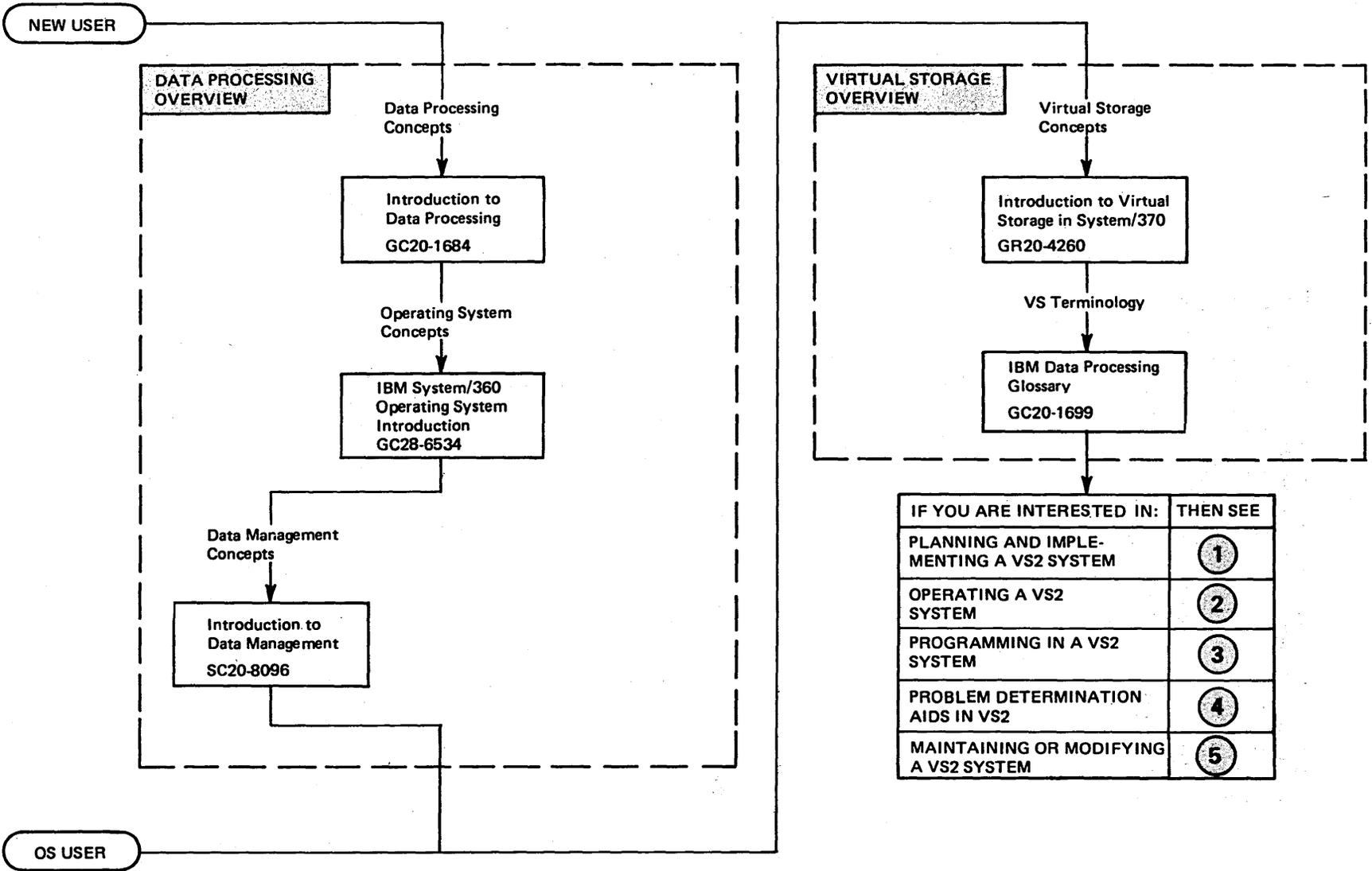
40: Programming System Operation

GC38-0120 OPERATOR S LIBRARY: OS/VS CONSOLE CONFIGURATIONS
 GT00-0205 OPERATOR S LIBRARY: OS/VS CONSOLE CONFIGURATION: VS1 REL 4;
 VS2 REL 2, 3, 3.6 GC38-0120-3
 GC38-0260 OPERATOR S LIBRARY: OS/VS2 DISPLAY CONSOLES
 **GC30-3043 OS/VS2 DUMPING IMPROVEMENTS SELECTABLE UNIT: DISPLAY
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 GC23-0007 OPERATOR S LIBRARY: OS/VS2 MVS JES2 R4 COMMANDS
 GC23-0055 JES2 RELEASE 4.1 SELECTABLE UNIT SUPPLEMENT: JES2 COMMANDS,
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 GT00-0252 OPERATOR S LIBRARY: OS/VS2 REFERENCE JES2 : REL 3,
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 GC38-0226 OPERATOR S LIBRARY: OS/VS2 REFERENCE JES3
 GX23-0003 JES3 OPERATOR COMMANDS & DYNAMIC SUPPORT PROGRAMS DSP
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 GC23-0008 OPERATOR S LIBRARY: OS/VS2 MVS JES3 R2 COMMANDS

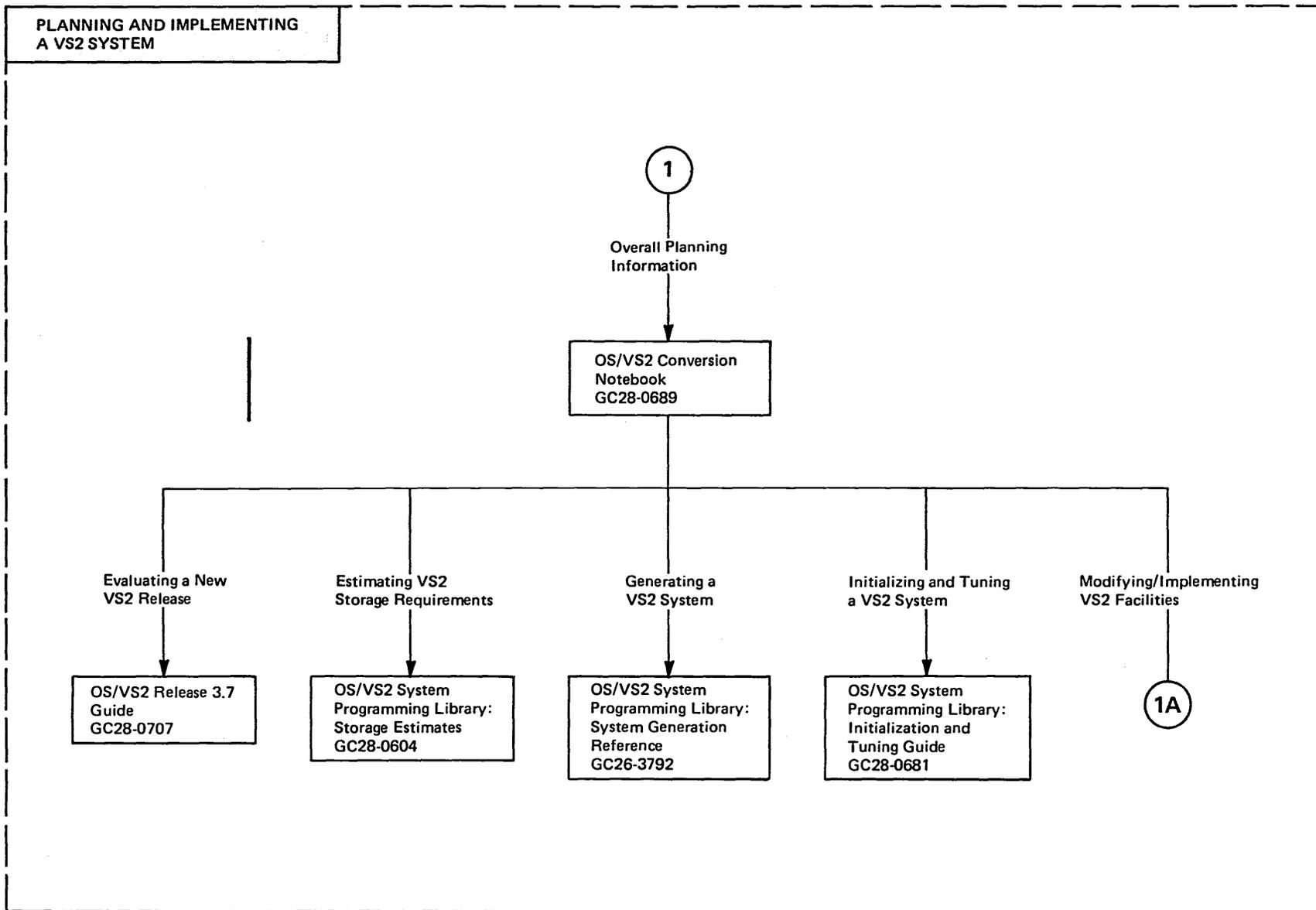
GC38-1012 OS/VS2 MESSAGE LIBRARY JES 3 MESSAGES
 GQ38-1012 OS/VS2 JES3 MESSAGES: REL 3.7 GC38-1012-1
 GT38-1012 OS/VS JES3 MESSAGES: VS2 REL 3 GC38-1012-0
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 **GC38-1018 OS/VS2 MVS MSS ENHANCEMENTS SELECTABLE UNIT:
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 **GC38-1037 OS/VS2 MVS HARDWARE RECOVERY ENHANCEMENTS SUPPLEMENT
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 **GC38-1040 SUPPLEMENT FOR SU29: MVS 3838 VPSS, 5752-829
 **SC38-1042 RESOURCE MEASUREMENT FACILITY RMF : ROUTING AND
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 **GD23-0066 SUPPLEMENT FOR SU36 TO MVS ROUTING & DESC CODES: TCAM10, 5752-836
 GT00-0207 OS/VS MESSAGE LIBRARY: ROUTING AND DESCRIPTOR CODES: VS1
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 GC38-0229 OPERATOR S LIBRARY: OS/VS2 MVS SYSTEM COMMANDS
 GC38-1026 OS/VS2 MVS DUMPING IMPROVEMENTS SELECTABLE UNIT 5752-833:
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 GC38-1033 OS/VS2 MVS ATTACHED PROCESSOR SYSTEM FOR 370 MODELS 158, 168
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 **GC38-1038 SUPPLEMENT FOR SU55: HARDWARE RECOVERY ENHANCE, 5752-855
 GC38-1016 OS/VS2 SYSTEM CODES COLLATED VERSION
 GC38-1008 OS/VS2 SYSTEM CODES
 GC38-1029 OS/VS2 DUMPING IMPROVEMENTS SELECTABLE UNIT 5752-833:
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 GC38-1032 OS/VS2 MVS JES3 3850 MASS STORAGE SYSTEM SELECTABLE UNIT:
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 GC38-1034 OS/VS2 MVS ATTACHED PROCESSOR SYSTEM - SU47
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 **GC38-1035 OS/VS2 MVS HARDWARE RECOVERY ENHANCEMENTS SELECTABLE UNIT
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 **SC38-1043 RESOURCE MEASUREMENT FACILITY RMF : SYSTEM CODES
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 **GD23-0067 SUPPLEMENT FOR SU36 TO MVS SYS CODES: TCAM10, 5752-836
 GT00-0248 OS/VS2 SYSTEM CODES: REL 3, 3.6 GC38-1008-2
 GQ38-1008 OS/VS2 SYSTEM CODES REL 2 GC38-1008-1
 GC38-1011 SYSTEM/370 SUBSYSTEM SUPPORT SERVICES LEVEL 4 MESSAGES
 GT00-0292 SYSTEM/370 SSS LEVEL 3.1 MESSAGES: SVS REL 1.7; DOS/VS
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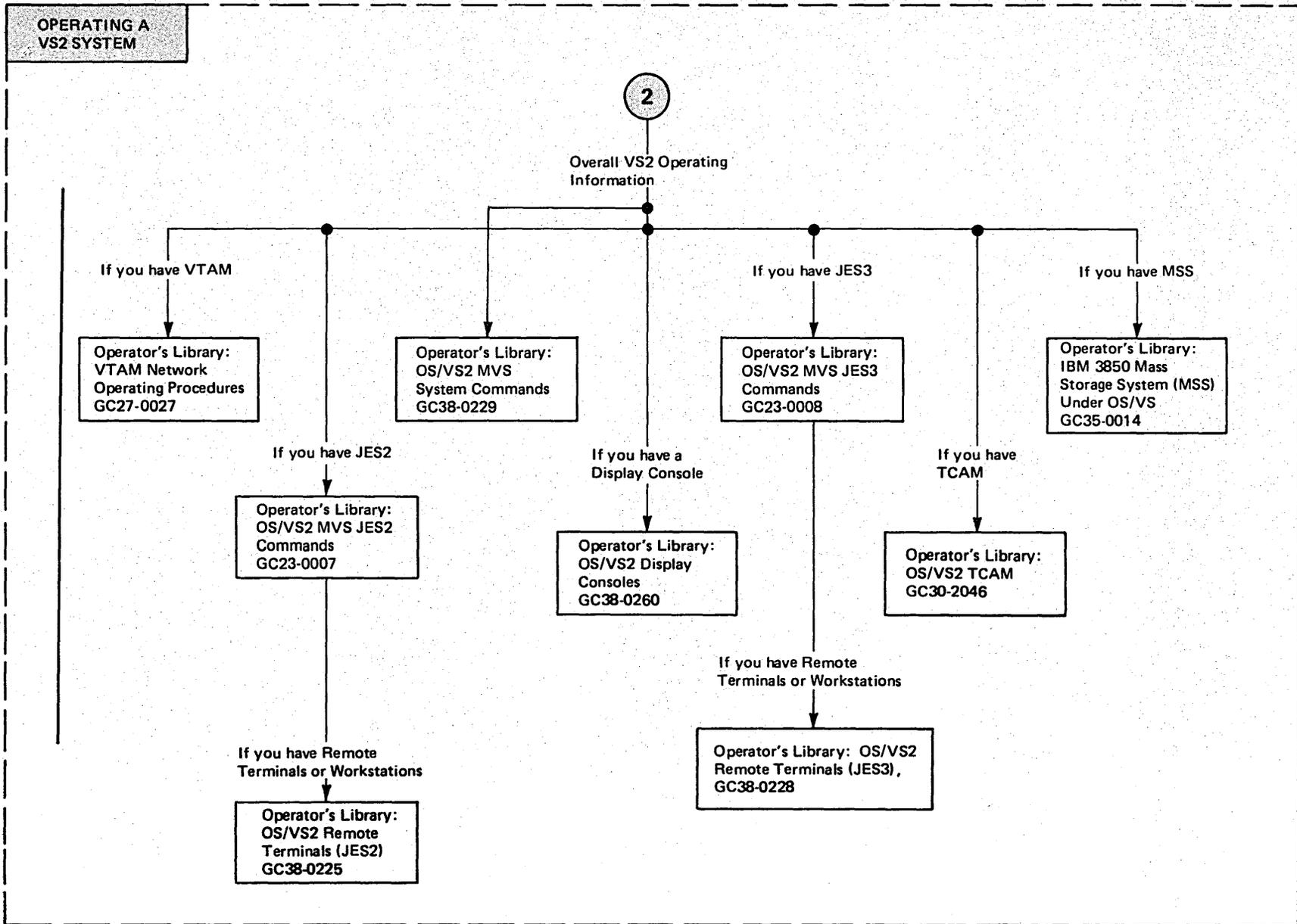
GQ38-1011 OS/VS SSS MESSAGES: VS1 REL 5; VS2 REL 3, 3.6 GC38-1011-1
GT38-1011 OS/VS SSS MESSAGES: VS1 REL 4, VS2 REL 3, 3.6 GC38-1011-0
GC38-1002 OS/VS MESSAGE LIBRARY: VS2 SYSTEM MESSAGES

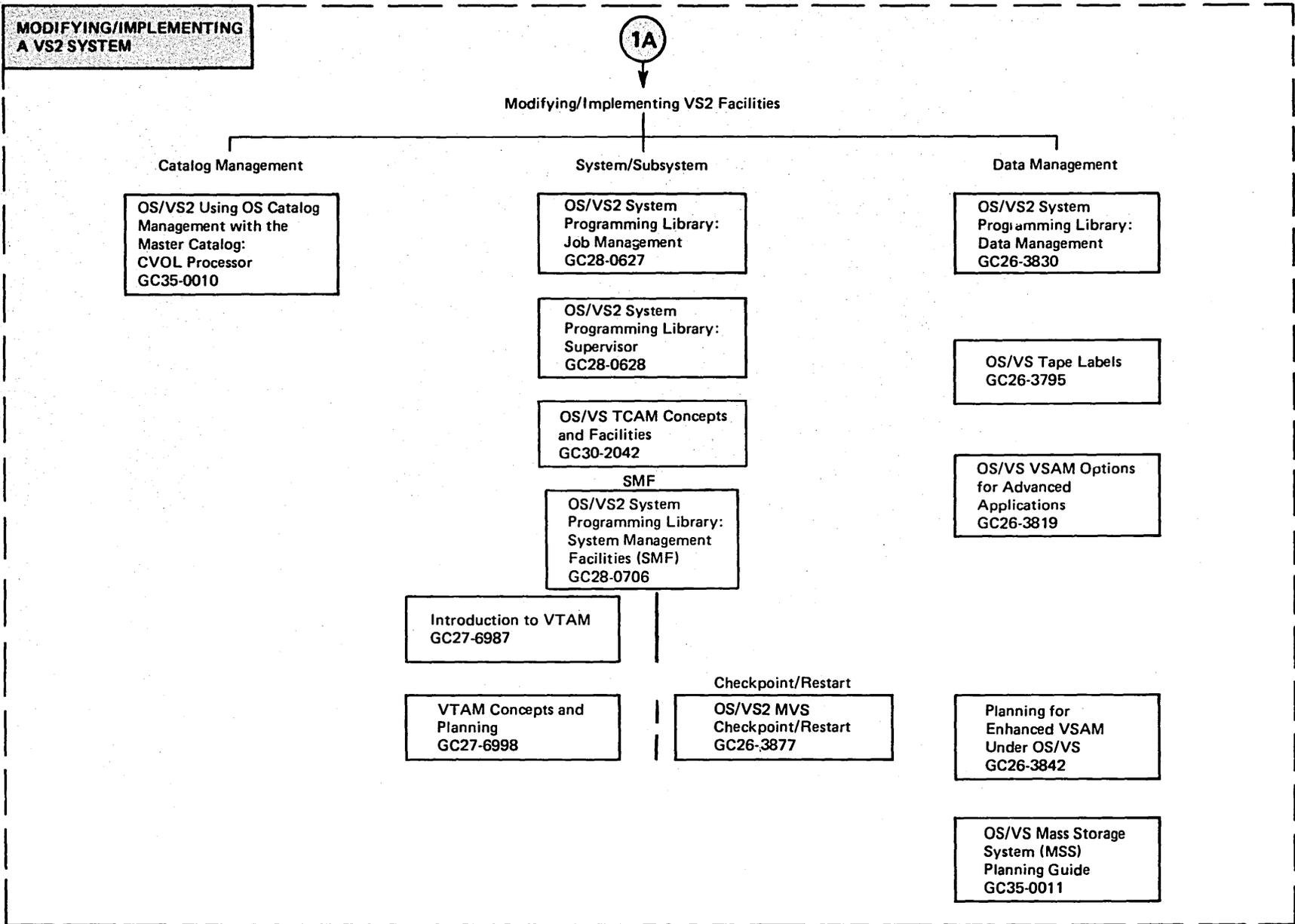
GC38-1028 SUPPLEMENT FOR SU33: MVS DUMPING IMPROVEMENTS, 5752-833
**GC38-1030 SUPPLEMENT FOR SU32: SYSTEM SECURITY SUPPORT, 5752-832
**GC38-1036 SUPPLEMENT FOR SU55: HARDWARE RECOVERY ENHNC, 5752-855
**GC38-1039 SUPPLEMENT FOR SU 29: 3838 VPSS, 5752-829
**SC38-1041 SUPPLEMENT FOR RMF VERS 2, PROG PROD 5740-XY4
**ST38-1041 SUPPLEMENT FOR MVS RMF VERS 1 TO SYS MESSAGES:
 PROG PROD 5740-XXM SC38-1041-0
GT00-0312 OS/VS2 SYSTEM MESSAGES LIBRARY UNCOLLATED GC38-1002-04
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GT00-0243 OS/VS2 SYSTEM MESSAGES: REL 3, 3.6 GC38-1002-3
GC38-1002 OS/VS2 SYSTEM MESSAGES: REL 2 GC38-1002-2

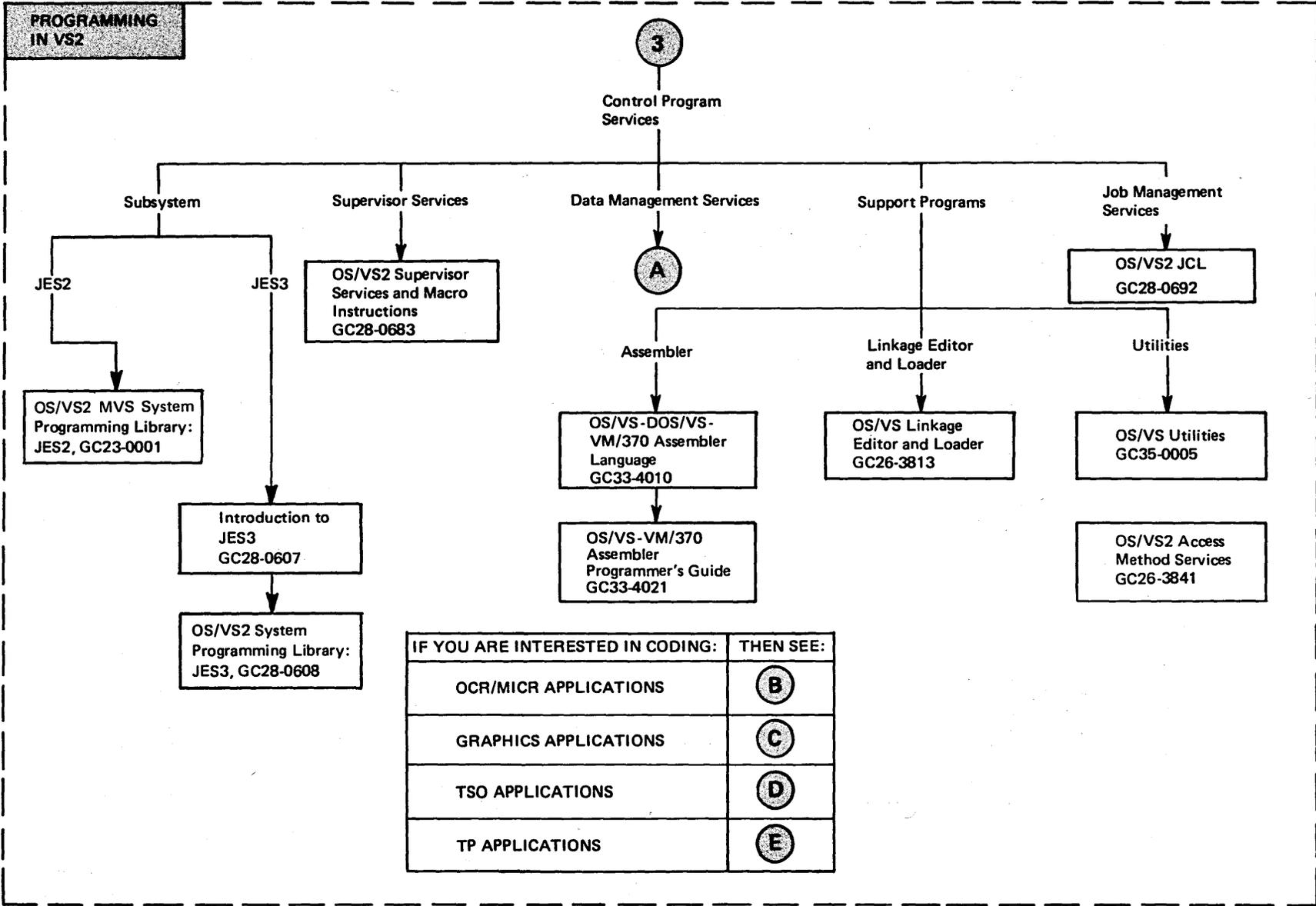


IF YOU ARE INTERESTED IN:	THEN SEE
PLANNING AND IMPLEMENTING A VS2 SYSTEM	①
OPERATING A VS2 SYSTEM	②
PROGRAMMING IN A VS2 SYSTEM	③
PROBLEM DETERMINATION AIDS IN VS2	④
MAINTAINING OR MODIFYING A VS2 SYSTEM	⑤









IF YOU ARE INTERESTED IN CODING:	THEN SEE:
OCR/MICR APPLICATIONS	(B)
GRAPHICS APPLICATIONS	(C)
TSO APPLICATIONS	(D)
TP APPLICATIONS	(E)

DATA MANAGEMENT SERVICES IN VS2

A
Data Management Services

Management and Services

OS/VS2 MVS Data Management Services Guide
GC26-3875

OS/VS2 MVS Data Management Macro Instructions
GC26-3873

VSAM

OS/VS Virtual Storage Access Method (VSAM) Programmer's Guide
GC26-3838

Mass Storage System

Introduction to the IBM 3850 Mass Storage System (MSS)
GA32-0028

IBM 3850 Mass Storage System (MSS) Principles of Operation
GA32-0029

IBM 3850 Mass Storage System (MSS) Installation Guide
GA32-0030

OS/VS Mass Storage System (MSS) Services General Information
GC35-0016

OS/VS Mass Storage Control Table Create
GC35-0013

OS/VS Mass Storage System (MSS) Services Reference Information
GC35-0017

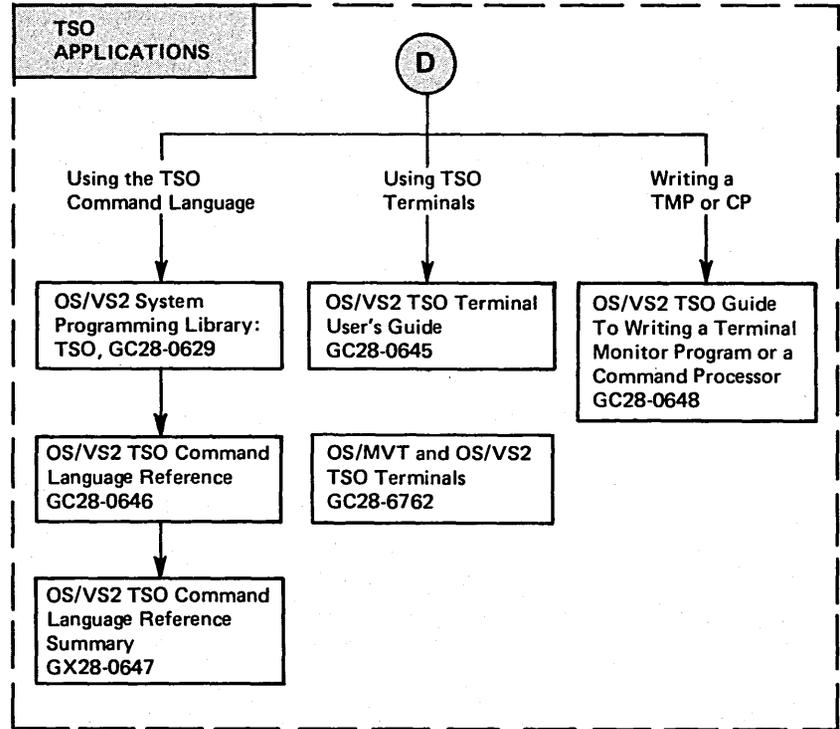
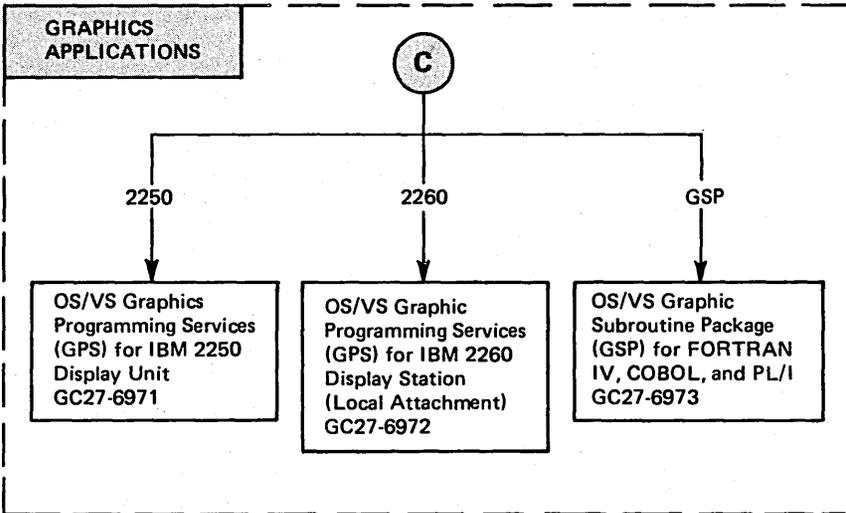
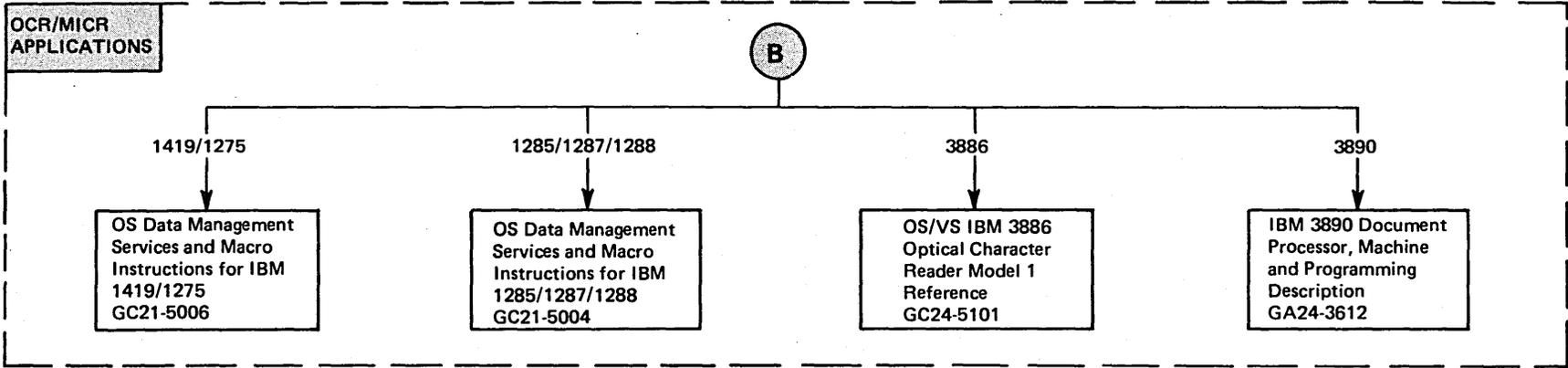
Miscellaneous Devices

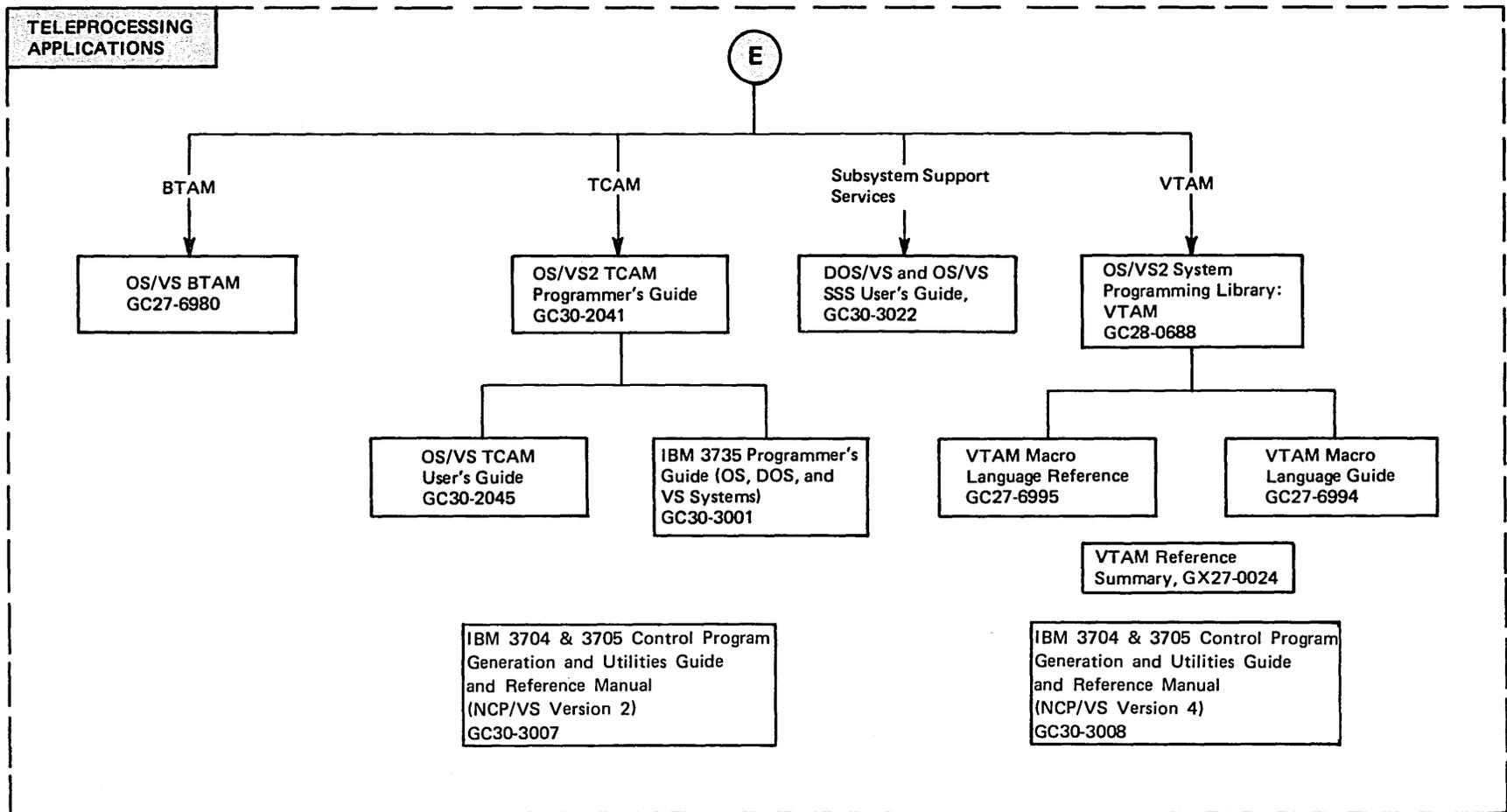
OS/VS2 IBM 3540 Programmer's Reference
GC24-5111

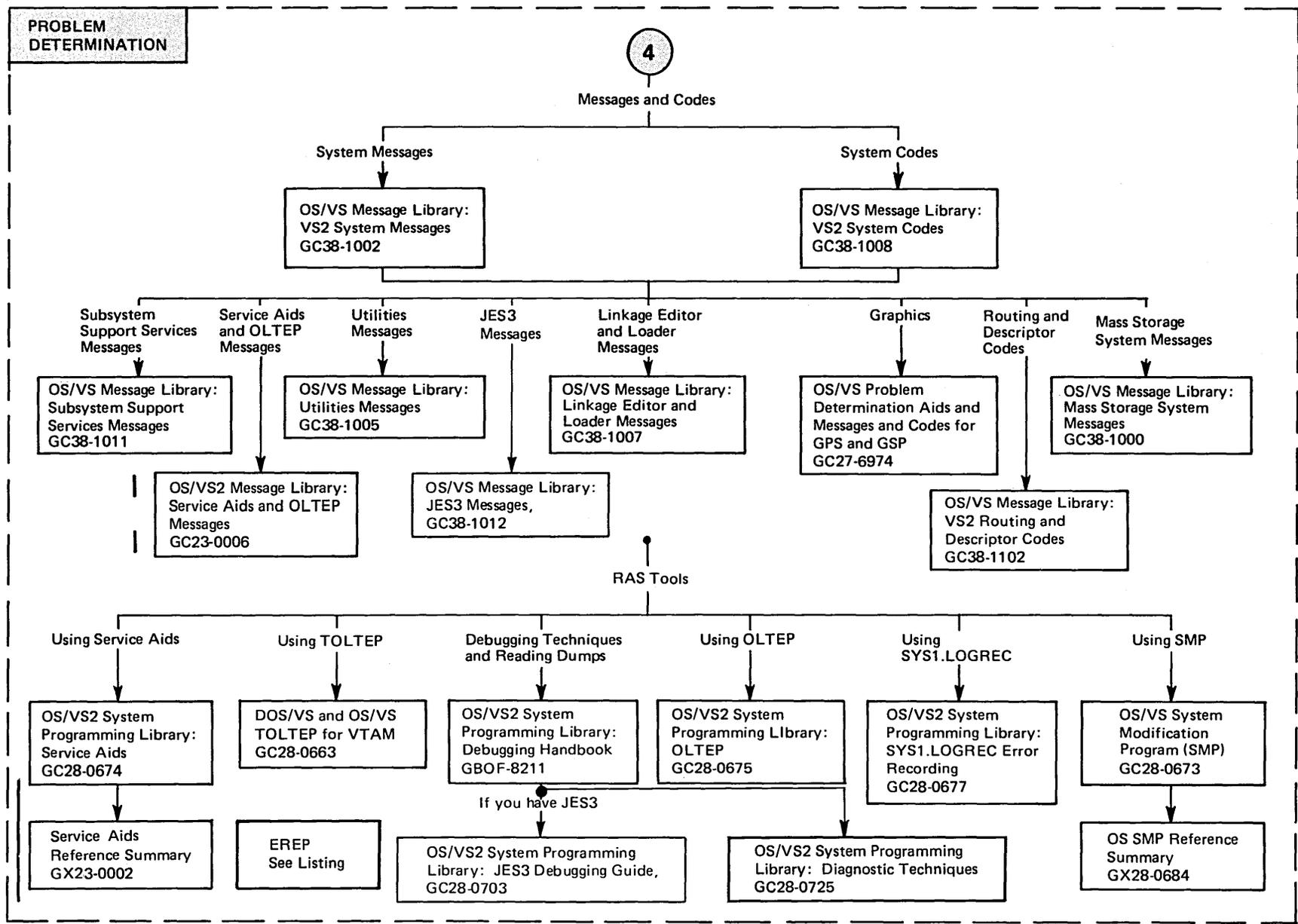
OS Programming Support for IBM 3505 Card Reader and IBM 3525 Card Punch
GC21-5097

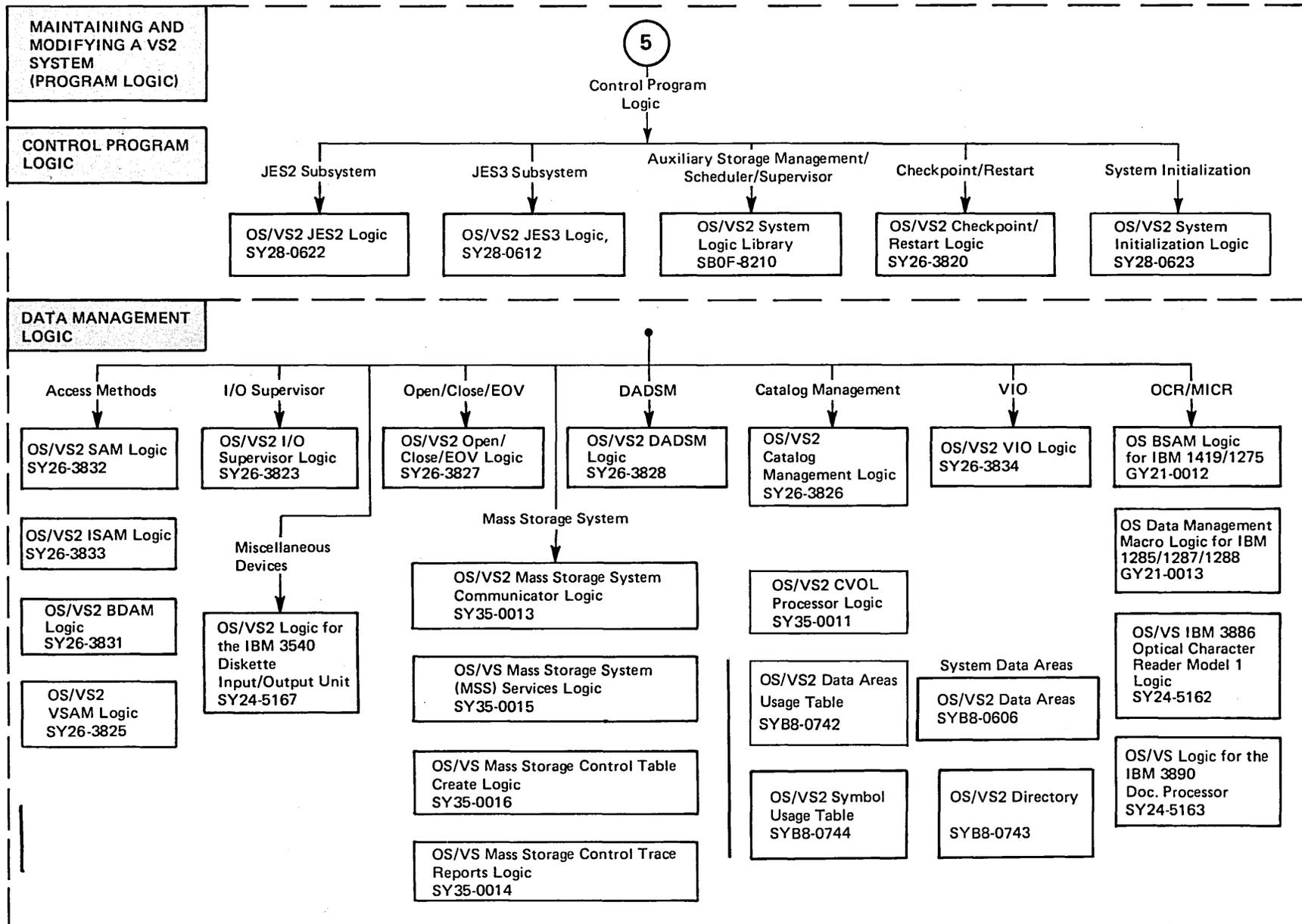
Introduction to the IBM 3270 Information Display System
GA27-2739

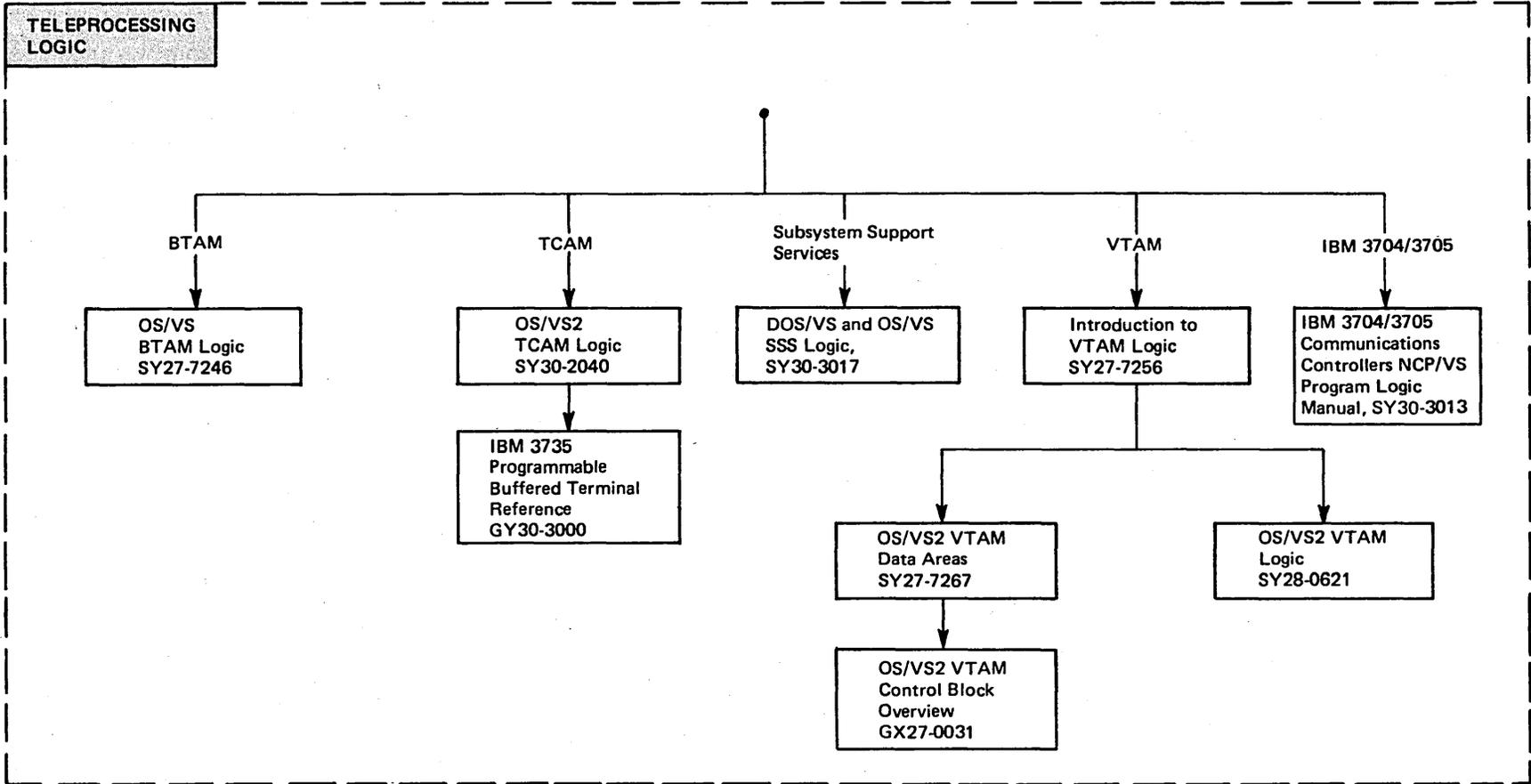
Introduction to Programming the 3270, GC27-6999

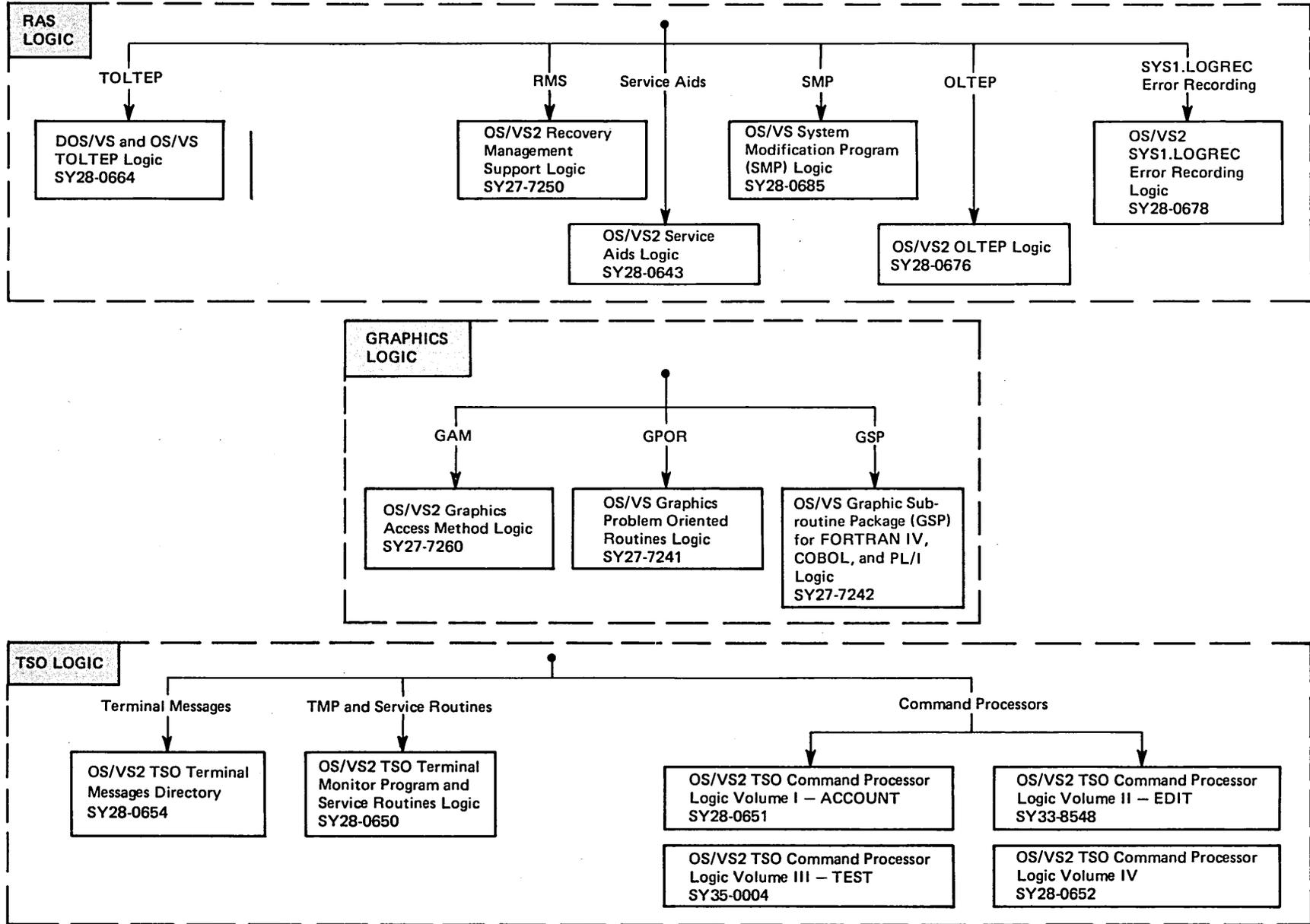


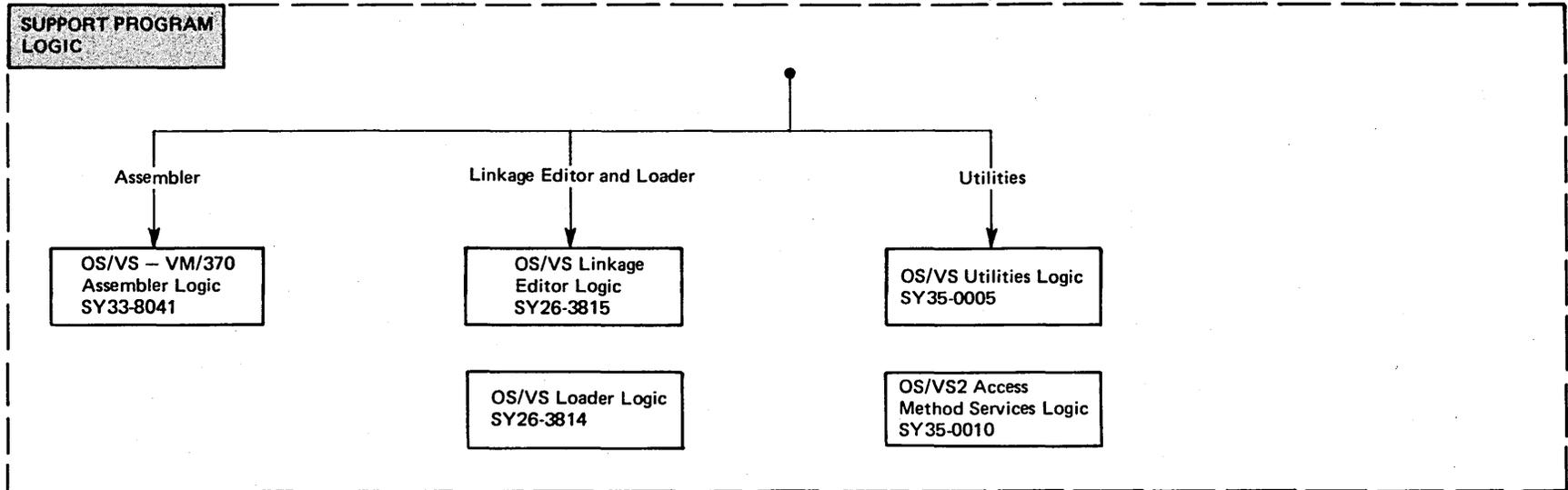












20 General Information

GC33-5370 INTRODUCTION TO DOS/VS
 **GT00-0360 INTRODUCTION TO DOS/VS: REL 33 (GC33-5370-4)
 **GT00-0270 INTRODUCTION TO DOS/VS REL 32 (GC33-5370-3)
 GC20-1756 DOS/VIRTUAL STORAGE FEATURES SUPPLEMENT
 SY33-8571 DOS/VS HANDBOOK VOLUME 1
 SY33-8572 DOS/VS HANDBOOK VOLUME 2

21 Assembler

GC33-4010 OS/VS, DOS/VS, AND VM/370 ASSEMBLER LANGUAGE
 GC33-4024 GUIDE TO THE DOS/VS ASSEMBLER
 SY33-8567 DOS/VS ASSEMBLER LOGIC

30 Access Methods, Data Management, Storage/Communications Control Programs

GC33-5404 DOS/VS VSAM PLANNING GUIDE
 GC33-5382 DOS/VS ACCESS METHOD SERVICES USER'S GUIDE
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 SY33-8564 DOS/VS ACCESS METHOD SERVICES LOGIC
 GC30-9502 SYSTEM SUPPORT PROGRAMS FOR ADVANCED COMMUNICATIONS
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 SY33-8559 DOS/VS LIOCS VOL. 1 GENERAL INFORMATION AND IMPERATIVE
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 **ST00-0330 DOS/VS LIOCS VOLUME 1 GENERAL INFORMATION AND
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 SY33-8562 DOS/VS LIOCS VOLUME 4: VSAM LOGIC
 **ST00-0320 DOS/VS LIOCS VOLUME 4 VSAM LOGIC (SY33-8562-4) DOS 33
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 GC27-6989 DOS/VS BTAM
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 GC27-6987 INTRODUCTION TO VTAM (VIRTUAL TELECOMMUNICATIONS ACCESS
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 GC27-6998 VTAM (LEVEL 2) CONCEPTS AND PLANNING
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 GX27-0029 DOS/VS VTAM CONTROL BLOCK OVERVIEW
 SY27-7265 DOS/VS VTAM LEVEL 2 DATA AREAS
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 GC27-0021 DOS/VS VTAM DEBUGGING GUIDE
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 SY27-7270 DOS/VS VTAM (LEVEL 2) EXECUTION SEQUENCES
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 GC27-0036 SUPPLEMENT TO THE VTAM (LEVEL 2) MACRO LANGUAGE GUIDE FOR
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 GC27-6995 VTAM (LEVEL 2) MACRO LANGUAGE REFERENCE
 **GQ27-6995 VTAM MACRO LANGUAGE REFERENCE: VS1 REL 4; VS2 REL 3, 3.6;
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 GX27-0033 DOS/VS VTAM REFERENCE SUMMARY
 GT00-0268 DOS/VS VTAM REFERENCE SUMMARY: REL 32 (GX27-0033-0)
 GC27-6957 DOS/VS VTAM SYSTEM PROGRAMMER'S GUIDE
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 THE BATCH TRANSFER PROGRAM (BTP) AS A SUBTASK OF VTAM

GC30-3022 SYSTEM/370 SUBSYSTEM SUPPORT SERVICES (LEVELS 4 & 5)
USER'S GUIDE
GT00-0307 SYSTEM/370 SSS (LEVEL 4) USER'S GUIDE (GC30-3022-4)
GT00-0300 SYSTEM/370 SSS (LEVEL 3.1) USER'S GUIDE: VS2 REL 1.7, 3,
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SY30-3017 SYSTEM/370 SUBSYSTEM SUPPORT SERVICES (LEVEL 4) LOGIC
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GC30-2055 SYSTEM/370 SUBSYSTEM SUPPORT SERVICES VERSION 3.1
COMPONENT RELEASE GUIDE
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GC27-6999 AN INTRODUCTION TO PROGRAMMING THE IBM 3270
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GC30-3003 3704 AND 3705 COMMUNICATIONS CONTROLLERS ASSEMBLER LANGUAGE
GC30-3002 3704 & 3705 COMMUNICATIONS CONTROLLERS, EMULATION PROGRAM
GENERATION AND UTILITIES, GUIDE AND REFERENCE MANUAL
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GC30-3005 3704 & 3705 COMMUNICATIONS CONTROLLERS, EMULATION PROGRAM
STORAGE & PERFORMANCE REFERENCE MANUAL
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GC30-3006 STORAGE ESTIMATES & PERFORMANCE PLANNING FOR 3704 & 3705 NCP
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GY30-3012 IBM 3704 AND 3705 PROGRAM REFERENCE HANDBOOK
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GY30-3000 IBM 3735 PROGRAMMABLE BUFFERED TERMINAL FORM DESCRIPTION
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PROGRAM LOGIC MANUAL (OS, DOS, AND VS SYSTEMS)
GC21-5071 IBM 3740 BTAM/TCAM PROGRAMMER'S GUIDE
GC30-3028 IBM 3773, 3774, AND 3775 PROGRAMMABLE COMMUNICATION
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**LY33-9068 ADVANCED FUNCTIONS - DOS/VIS RELEASE 34 SUPPLEMENT TO DOS/VIS
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**ST00-0311 DOS/VIS LIBRARIAN LOGIC RELEASE 33 (SY33-8557-2)
SY33-8556 DOS/VIS LINKAGE EDITOR LOGIC
**LY33-9067 ADVANCED FUNCTIONS - DOS/VIS RELEASE 34 SUPPLEMENT TO DOS/VIS
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GC26-3855 OS/VIS AND DOS/VIS ANALYSIS PROGRAM-1 (AP-1)USER'S GUIDE
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GQ33-5381 DOS/VIS SYSTEM UTILITIES: REL 32 (GC33-5381-1)
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**LY33-9069 ADVANCED FUNCTIONS - DOS/VIS RELEASE 34 SUPPLEMENT TO DOS/VIS
SYSTEM UTILITIES LOGIC, PROGRAM NUMBER: 5746-XE2
**ST73-8558 DOS/VIS SYSTEM UTILITIES LOGIC: REL 32 (SY33-8558-0)

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**GC33-6040 ADVANCED FUNCTIONS - DOS/VIS GENERAL INFORMATION
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**SC33-6041 ADVANCED FUNCTIONS - DOS/VIS SYSTEM INFORMATION
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**GC33-6050 ADVANCED FUNCTIONS - DOS/VIS SPECIFICATIONS (LPS), LIC PROG
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**LYC7-0453 ADVANCED FUNCTIONS - DOS/VIS ATTENTION ROUTINES 5746-E2-AIT
**LYC7-0454 ADVANCED FUNCTIONS - DOS/VIS DISPLAY OPERATOR
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**LYC7-0455 ADVANCED FUNCTIONS - DOS/VIS IPL AND BUFFER LOAD, 5746-E2-IPL
**LYC7-0457 ADVANCED FUNCTIONS DOS/VIS LIBRARIAN 5746-E2-LBR MICROFICHE
**LYC7-0458 ADVANCED FUNCTIONS DOS/VIS LINKAGE EDITOR 5746-E2-LNK
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**LYC7-0459 ADVANCED FUNCTIONS DOS/VIS PDAIDS 5746-E2-PDA MICROFICHE
**LYC7-0460 ADVANCED FUNCTIONS - DOS/VIS SUPERVISOR 5746-E2-SUP
GC33-5377 DOS/VIS SYSTEM GENERATION
**GT00-0361 DOS/VIS SYSTEM GENERATION REL 33 (GC33-5377-05)
**GT00-0271 DOS/VIS SYSTEM GENERATION: REL 32 (GC33-5377-4)
GC33-5371 DOS/VIS SYSTEM MANAGEMENT GUIDE

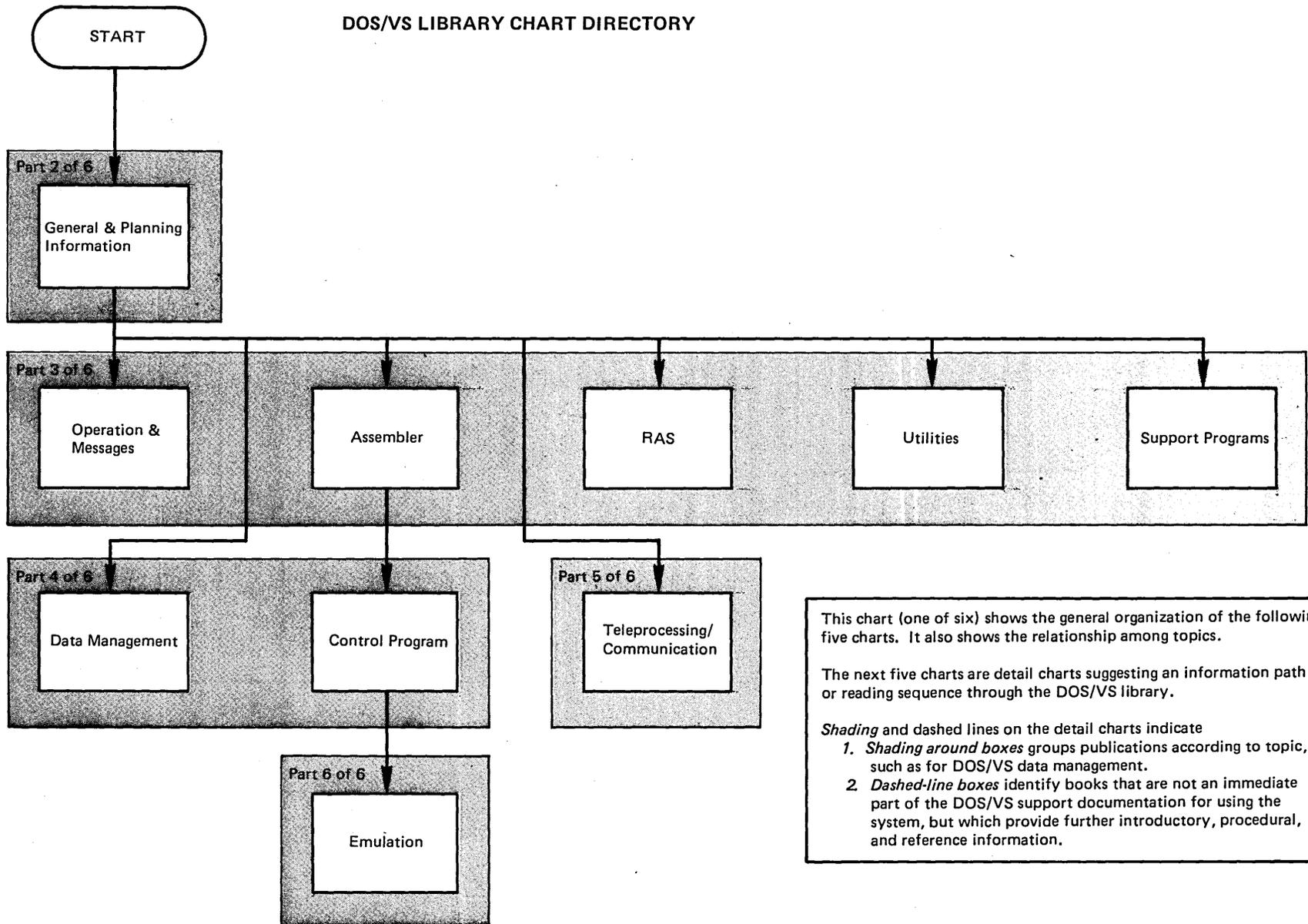
38 Remote Job Entry

SY33-8566 DOS/VS POWER RJE PROGRAM LOGIC

40 Programming System Operation

GC33-5379 DOS/VS MESSAGES
**SC33-6045 ADVANCED FUNCTIONS - DOS/VS RELEASE 34 SUPPLEMENT TO DOS/VS
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**GT00-0359 DOS/VS MESSAGES REL 33 (GC33-5379-4)
GC33-5378 OPERATOR'S LIBRARY DOS/VS OPERATING PROCEDURES
**GT00-0313 DOS/VS OPERATING PROCEDURES REL. 33 (GC33-5378-3)
**GT00-0272 DOS/VS OPERATING PROCEDURES: REL 32 (GC33-5378-2)
GC38-1011 SYSTEM/370 SUBSYSTEM SUPPORT SERVICES (LEVEL 4) MESSAGES
GT00-0292 SYSTEM/370 SSS (LEVEL 3.1) MESSAGES: SVS REL 1.7; DOS/VS
 REL 32; MVS; VS1 REL 5 (GC38-1011-2)

DOS/VS LIBRARY CHART DIRECTORY

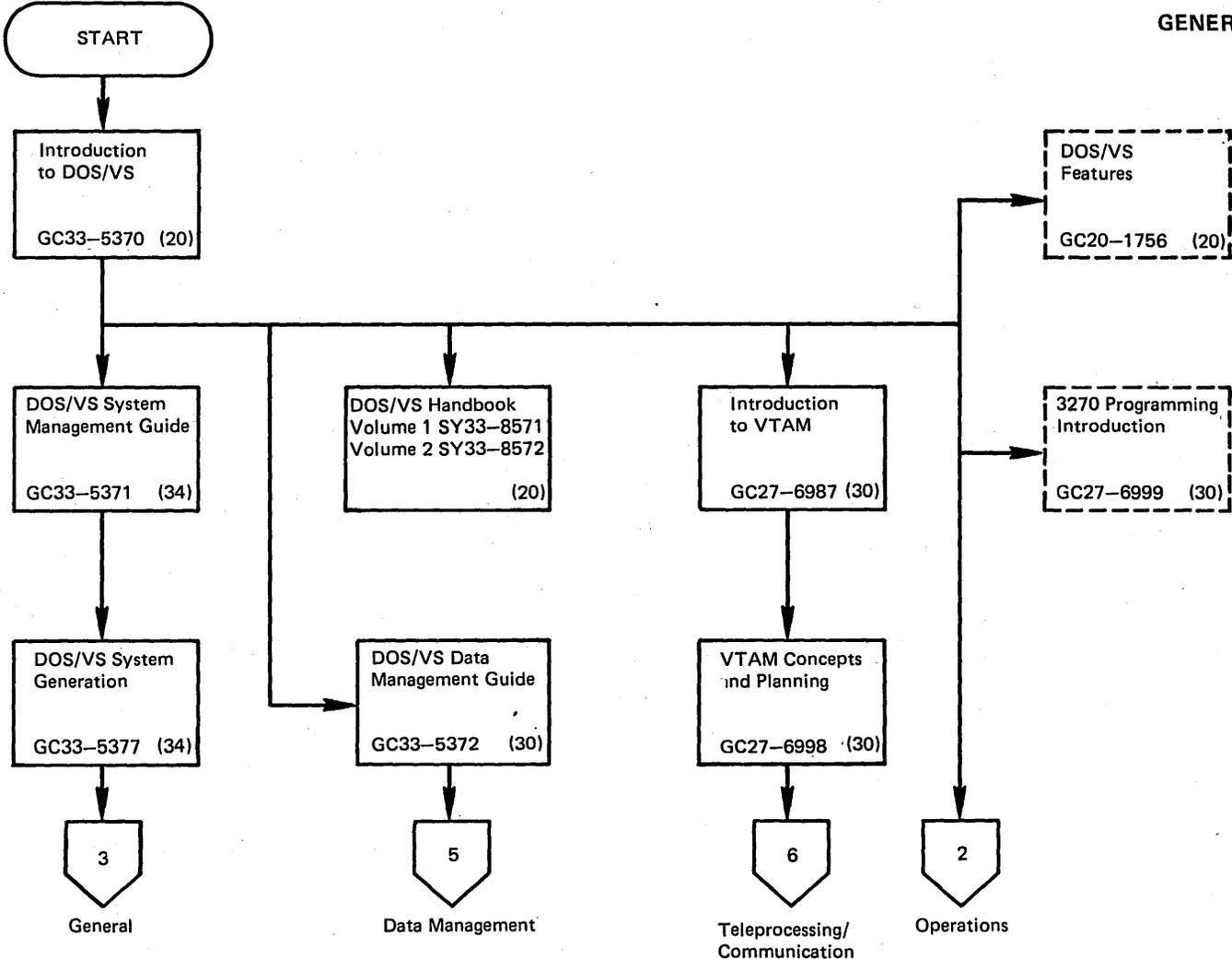


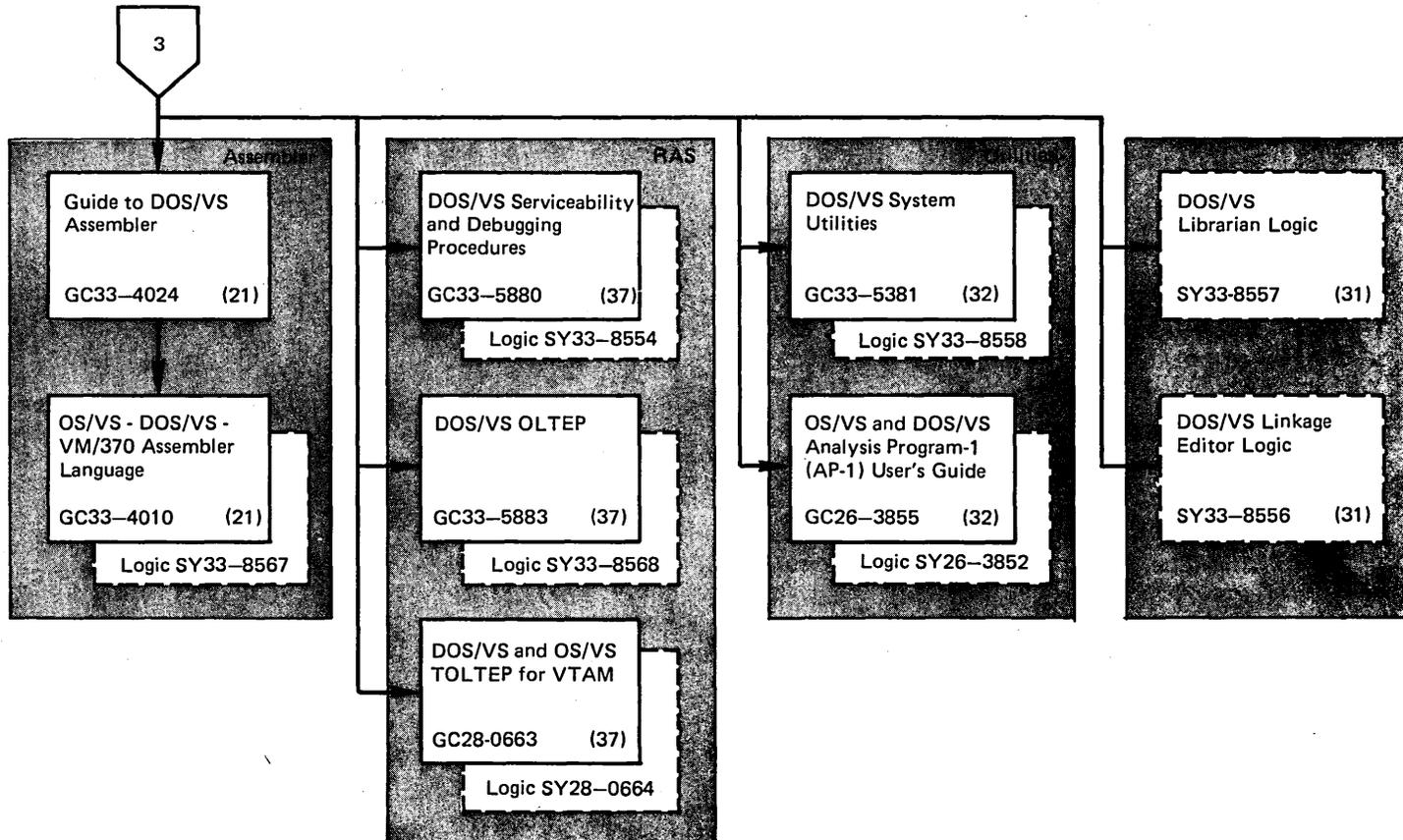
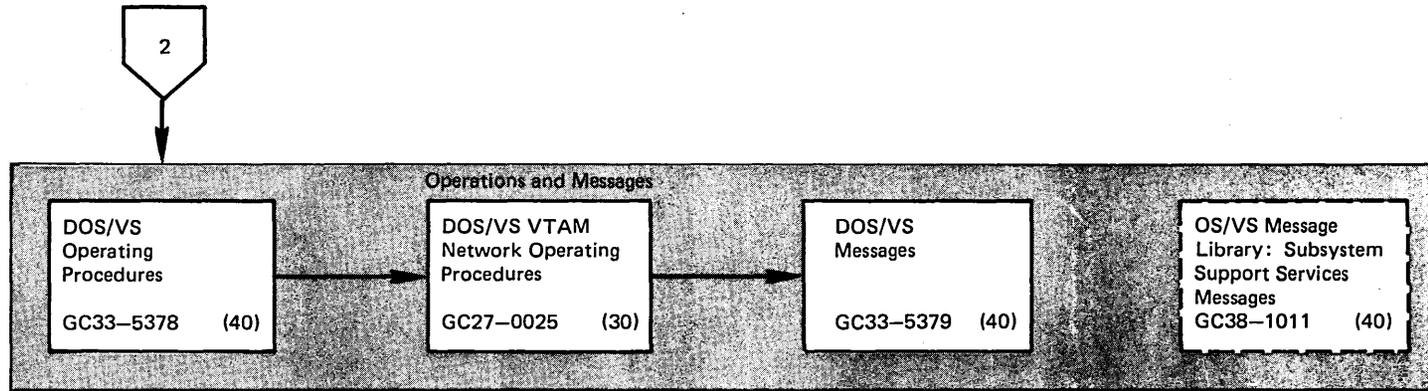
This chart (one of six) shows the general organization of the following five charts. It also shows the relationship among topics.

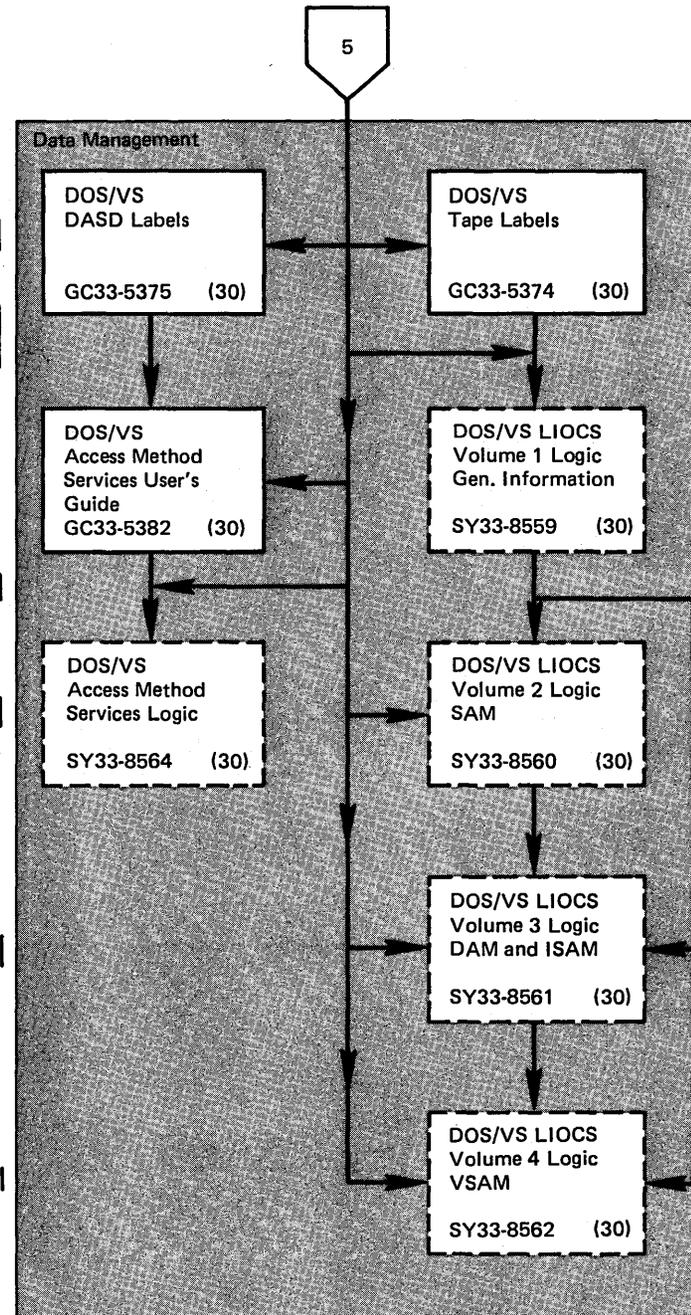
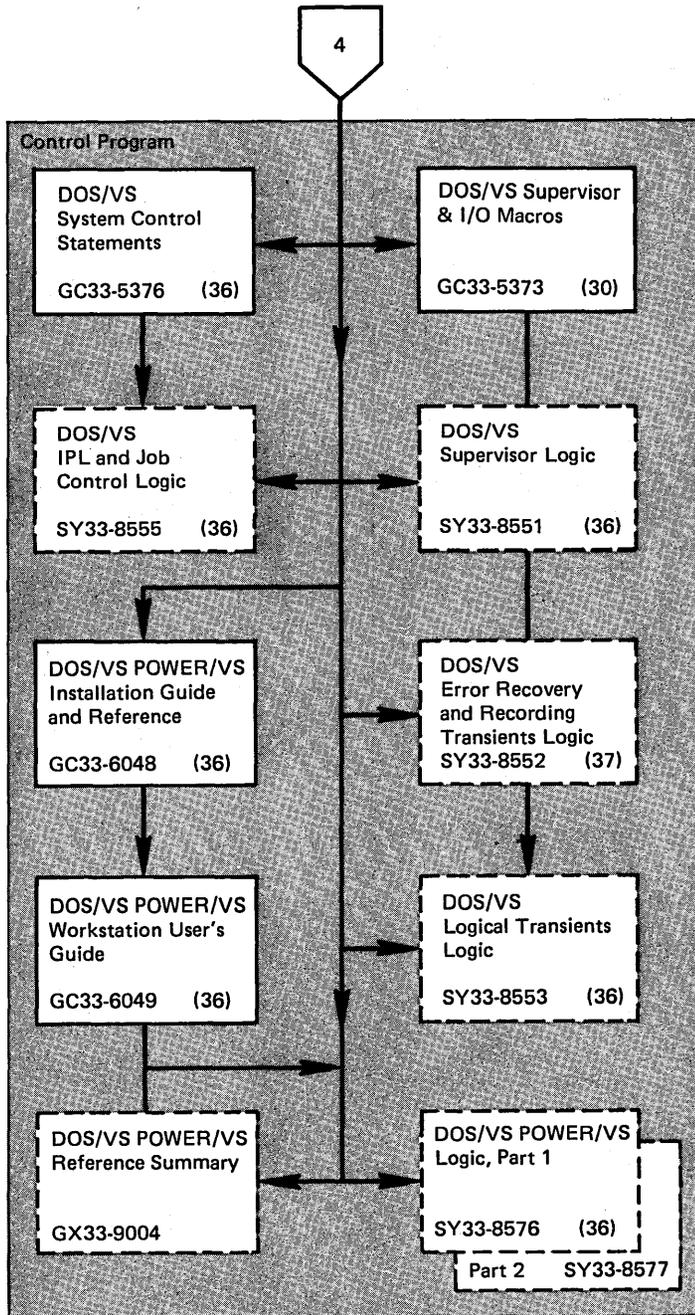
The next five charts are detail charts suggesting an information path or reading sequence through the DOS/VS library.

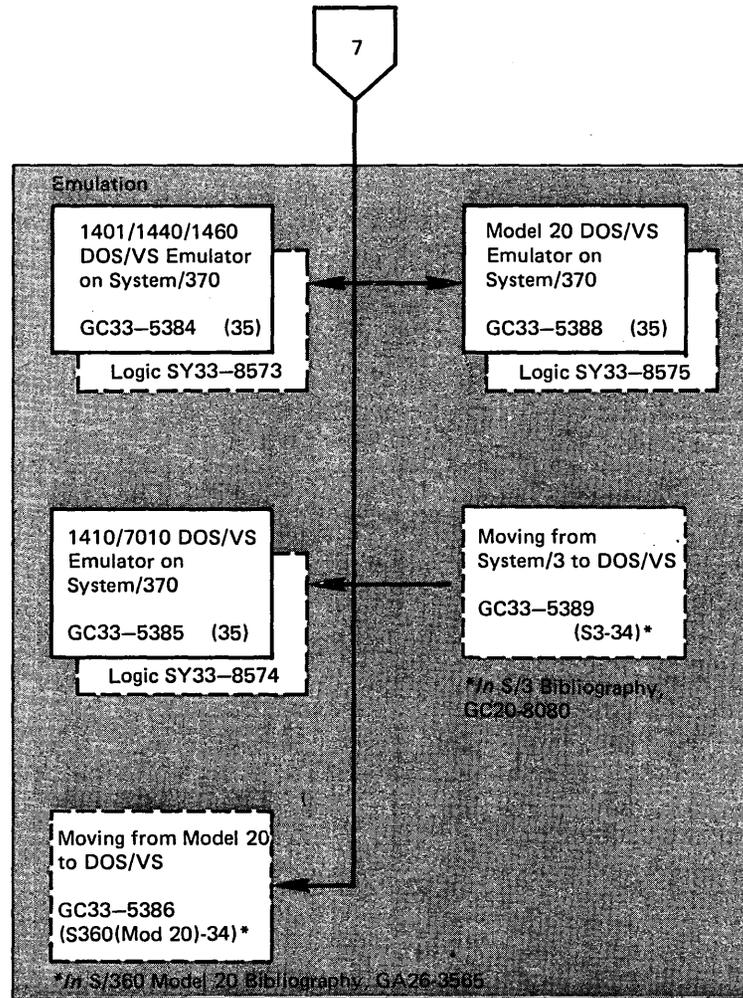
Shading and dashed lines on the detail charts indicate

1. *Shading around boxes* groups publications according to topic, such as for DOS/VS data management.
2. *Dashed-line boxes* identify books that are not an immediate part of the DOS/VS support documentation for using the system, but which provide further introductory, procedural, and reference information.









VM/370 (20-40)

20 General Information

GC20-1757	VIRTUAL MACHINE FACILITY/370 FEATURES SUPPLEMENT
GC20-1800	VIRTUAL MACHINE FACILITY/370: INTRODUCTION
GT20-1800	VM/370 INTRODUCTION: REL 3 PLC1 (GC20-1800-5)
GC20-1813	IBM VIRTUAL MACHINE FACILITY/370: GLOSSARY AND MASTER INDEX
GT20-1813	VM/370 GLOSSARY AND MASTER INDEX: REL 2 (GC20-1813-2)
**GQ20-1813	VM/370 GLOSSARY & MASTER INDEX: REL 3 PLC 1 (GC20-1813-3)

21 Assembler

GC33-4010	OS/VS, DOS/VS, AND VM/370 ASSEMBLER LANGUAGE
GC33-4021	OS/VS, VM/370 ASSEMBLER PROGRAMMER'S GUIDE
GT33-4021	OS/VS & VM/370 ASSEMBLER PROGRAMMER'S GUIDE: VS2 REL 1.6, 1.7 (GC33-4021-1)
SY33-8041	OS/VS, VM/370 ASSEMBLER LOGIC
ST73-8041	OS/VS, VM/370 ASSEMBLER LOGIC: VS2 REL 1.6, 1.7 (SY33-8041-0)

30 Access Methods, Data Management, Storage/Communications Control Programs

GC20-1816	VM/370 REMOTE SPOOLING COMMUNICATIONS SUBSYSTEM (RSCS) USER'S GUIDE
GT20-1816	VM/370 RSCS USER'S GUIDE: RELEASE 2 (GC20-1816-0)

34 System Planning, Generation, Performance, SMF

**G320-5691	BATCH MONITOR FOR VM/370 CMS IUP 5796-PGZ, NOTICE
SH20-1619	VM/370 GRAPHIC MONITOR, IUP 5796-PDT, DESCRIPTION/OPERATION
**LY20-2073	VM/370 GRAPHIC MONITOR, IUP 5796-PDT
G320-5534	VM/370 GRAPHIC MONITOR, IUP 5796-PDT, NOTICE
GC20-1821	IBM VIRTUAL MACHINE FACILITY/370: OPERATING SYSTEMS IN A VIRTUAL MACHINE
GT20-1821	VM/370 REL 3 PLC1: OPERATING SYSTEMS IN A VIRTUAL MACHINE (GC20-1821-0)
GC20-1801	IBM VIRTUAL MACHINE FACILITY/370 PLANNING AND SYSTEM GENERATION GUIDE
GT20-1801	VM/370 PLANNING & SYSGEN GUIDE: REL 3 PLC1 (GC20-1801-5)
GC20-1822	VM/370: RELEASE 3 GUIDE
GT20-1815	VM/370 RELEASE 2 GUIDE (GC20-1815-0)
SH20-1906	VM/370 RESOURCE MANAGEMENT, PRPQ P09006, PROG 5799-ARQ, INSTALLATION GUIDE
LY20-1996	VM/370 RESOURCE MANAGEMENT LOGIC, PROG 5799-ARQ

36 Control Program

GC20-1818	IBM VIRTUAL MACHINE FACILITY/370: CMS COMMAND AND MACRO REFERENCE
GT20-1804	VM/370 REL 2 COMMAND LANGUAGE GUIDE FOR GENERAL USERS (GC20-1804-4)
**G320-5728	CMS EXEC LANGUAGE EXTENSIONS, IUP 5796-PJA, NOTICE
GC20-1820	IBM VIRTUAL MACHINE FACILITY/370: CP COMMAND REFERENCE FOR GENERAL USERS
GT20-1820	VM/370 CP COMMAND REFERENCE FOR GENERAL USERS: REL 3 PLC1 (GC20-1820-0)
SY20-0884	VM/370 DATA AREAS AND CONTROL BLOCK LOGIC
ST60-0884	VM/370 DATA AREAS & CONTROL BLOCK LOGIC: REL 3 PLC1 (SY20-0884-0)
GT20-1805	VM/370 REL 2 EDIT GUIDE (GC20-1805-4)
GT20-1812	VM/370 REL 2 EXEC USER'S GUIDE (GC20-1812-1)
SY20-0885	IBM VIRTUAL MACHINE FACILITY/370: SYSTEM LOGIC AND PROBLEM DETERMINATION GUIDE
GC20-1807	VIRTUAL MACHINE FACILITY/370: SYSTEM PROGRAMMER'S GUIDE

GQ20-1807	VM/370 REL 3 PLC1 SYSTEM PROGRAMMER'S GUIDE (GC20-1807-4)
GT20-1807	VM/370 REL 2 SYSTEM PROGRAMMER'S GUIDE (GC20-1807-3)
GX20-1926	VM/370 QUICK GUIDE FOR USERS REFERENCE SUMMARY
GT00-0289	VM/370 REL 3 PLC1 QUICK GUIDE FOR USERS REFERENCE SUMMARY (GX20-1926-4)
GT00-0259	VM/370 REL 2 QUICK GUIDE FOR USERS REFERENCE SUMMARY (GX20-1926-3)
GX20-1961	VM/370 COMMANDS REFERENCE SUMMARY (GENERAL USER)
**GT00-0288	VM/370 CP & CMS COMMANDS REFERENCE SUMMARY: REL 3 PLC1 (GX20-1961-2)
GT00-0260	VM/370 REL 2 COMMANDS REFERENCE SUMMARY (GX20-1961-1)
GX20-1995	VM/370 COMMANDS (OTHER THAN GENERAL USER)

37 RAS

GC29-8300	IBM VIRTUAL MACHINE FACILITY/370: ENVIRONMENTAL RECORDING EDITING AND PRINTING (EREP) PROGRAM
GT29-8300	VM/370 EREP REL 3 PLC1 (GC29-8300-0)
SY25-7701	IBM VIRTUAL MACHINE FACILITY/370: ENVIRONMENTAL RECORDING EDITING AND PRINTING (EREP), LOGIC
ST75-7701	VM/370 EREP LOGIC REL 3 PLC1 (SY25-7701-0)
GC20-1823	VM/370 INTERACTIVE PROBLEM CONTROL SYSTEM (IPCS) USER'S GUIDE
GT20-1823	VM/370 IPCS USER'S GUIDE (GC20-1823-0: REL 2; WITH GN20-2679, REL 3)
GC20-1809	IBM VIRTUAL MACHINE FACILITY/370 OLTSEP AND ERROR RECORDING GUIDE
GT20-1809	VM/370 REL 3 PLC1 OLTSEP & ERROR RECORDING GUIDE (GC20-1809-4)
SY20-0882	IBM VIRTUAL MACHINE FACILITY/370 SERVICE ROUTINES PROGRAM LOGIC

39 Time Sharing

GC20-1819	VM/370: CMS USER'S GUIDE
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40 Programming System Operation

GC20-1806	IBM VIRTUAL MACHINE FACILITY/370 OPERATOR'S GUIDE
GT20-1806	VM/370 REL 3 PLC1 OPERATOR'S GUIDE (GC20-1806-6)
GC20-1808	VIRTUAL MACHINE FACILITY/370: SYSTEM MESSAGES
GQ20-1808	VM/370 REL 3 PLC1 SYSTEM MESSAGES (GC20-1808-6)
GT20-1808	VM/370 SYSTEM MESSAGES: REL 2 (GC28-1808-5)
GC20-1810	IBM VIRTUAL MACHINE FACILITY/370 TERMINAL USER'S GUIDE
GQ20-1810	VM/370 REL 3 PLC4 TERMINAL USER'S GUIDE (GC20-1810-5)
GT20-1810	VM/370 REL 2 TERMINAL USER'S GUIDE (GC20-1810-4)

99 Microfiche

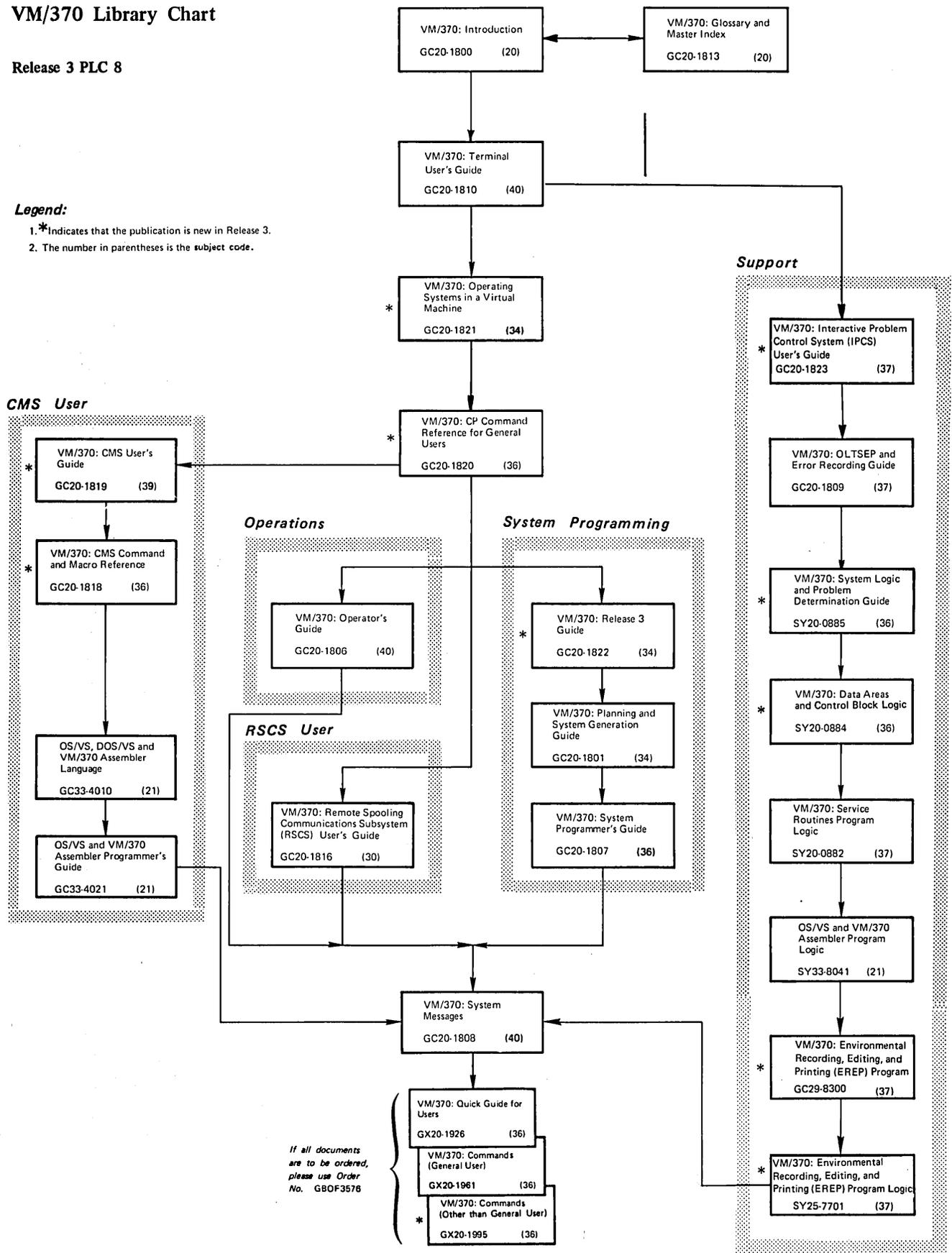
SYB0-0900	IBM VM/370: CP MICROFICHE - PROGRAM NUMBER 5749-010
SYB0-0901	IBM VM/370: CMS MICROFICHE - PROGRAM NUMBER 5749-010
SYC0-9000	IBM VM/370 RSCS LISTINGS, PROGRAM NO. 5749-010
SYC0-9001	VM/370 IPCS MICROFICHE

VM/370 Library Chart

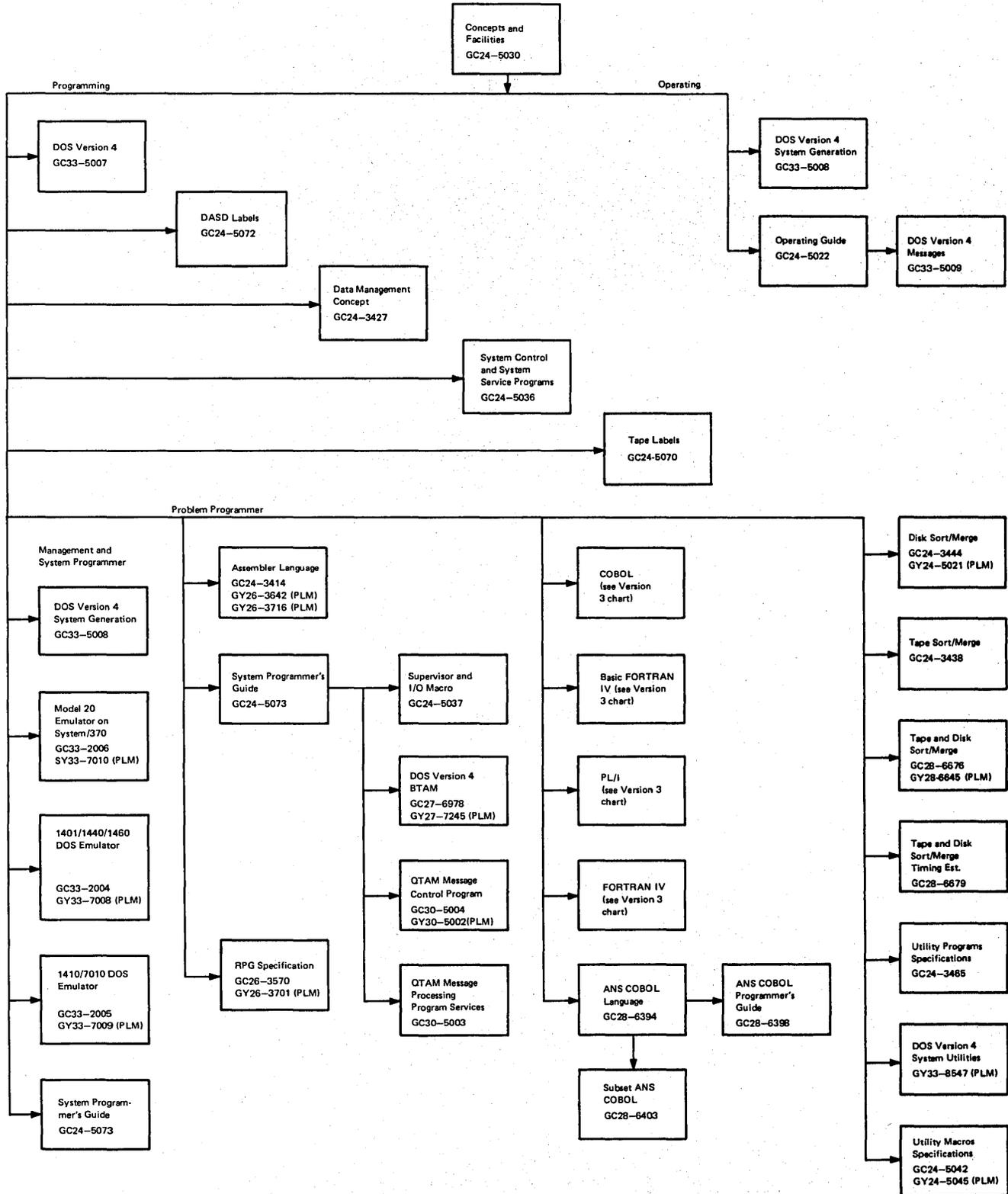
Release 3 PLC 8

Legend:

- 1. * Indicates that the publication is new in Release 3.
- 2. The number in parentheses is the subject code.



DOS Version 4 Library Chart



TYPE I PROGRAMMING SUPPORT FOR SYSTEM/370 ONLY

OS/MFT and OS/MVT (20-40)

33 Sort/Merge

GC33-4015 IBM SYSTEM/370 MODEL 155 SORT/MERGE TIMING ESTIMATES
PLANNING GUIDE
PROGRAM NUMBER 360S-SM-023

35 Emulation, Simulation

GC33-2020 DOS TO OS EMULATOR - REFERENCE PROGRAM NUMBER 360C-EU-738
GY33-7018 DOS TO OS EMULATOR - LOGIC PROGRAM NUMBER 360C-EU-738
GC33-2021 1401/1440/1460 OS/MFT AND OS/MVT EMULATOR ON SYSTEM/370
(360S-EU-735) REFERENCE
GY33-7019 1401/1440/1460 OS/MFT AND OS/MVT EMULATOR ON SYSTEM/370 -
LOGIC, PROG. NO. 360C-EU-735
GC33-2022 1410/7010 OS/MFT AND OS/MVT EMULATOR ON SYSTEM/370 -
REFERENCE, PROG. NO. 360C-EU-736
GY33-7020 1410/7010 OS/MFT AND OS/MVT EMULATOR ON SYSTEM/370 LOGIC
PROG. NO. 360C-EU-736

37 RAS

GY27-7237 IBM SYSTEM/360 OPERATING SYSTEM: MACHINE-CHECK HANDLER FOR
SYSTEM/370 MODELS 135 AND 145 (LOGIC), P/N 360S-DN-539
GT00-0045 OS MACHINE CHECK HANDLER FOR S/370 MODELS 135, AND 145
PLM (PRIOR EDITION)
GY27-7198 IBM SYSTEM/360 OPERATING SYSTEM: MACHINE-CHECK HANDLER
FOR SYSTEM/370 MODELS 155 THRU 168 (LOGIC), P/N 360S-DN-539
GT00-0119 OS/360 MACHINE CHECK HANDLER FOR S/370 MODEL 155, 165 PLM
GT00-0042 OS MACHINE CHECK HANDLER FOR S/370 MODEL 155, 165-PLM
(PRIOR EDITION)

DOS Version 4 (20-40)

20 General Information

GC33-5007 SYSTEM/370 DISK OPERATING SYSTEM VERSION 4 - MANUAL

30 Access Methods, Data Management, Storage/Communications Control Programs

GY33-8543 DOS VERSION 4 LIOCS INTRODUCTION VOLUME 1 - PROGRAM LOGIC
MANUAL - PROGRAM NUMBERS 370N-CL-453, 370N-IO-454, 370N-IO-
455, -456, -457, -458, -477, -478
GY33-8544 DOS VER. 4 LIOCS VOL. 2, LOGIC - PROG. NO. 370N-CL-453
370N-IO-477, 370N-IO-456, 370N-IO-478, 370N-IO-458
GY33-8545 DOS VERSION 4 LIOCS VOLUME 3-SAM AND DAM FOR DASD-
PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 370N-IO-455,
370N-IO-454
GY33-8546 DOS VERSION 4 LIOCS VOLUME 4 - ISAM - PROGRAM LOGIC
MANUAL - PROGRAM NUMBER 370N-IO-457
GC27-6978 DOS VERSION 4 - BASIC TELECOMMUNICATIONS ACCESS METHOD
MANUAL - PROGRAM NUMBER 370N-CQ-469
GY27-7245 DOS VERSION 4 BTAM LOGIC, PROG. NO. 370N-CQ-469
GC33-5004 SYSTEM/360 DOS PLANNING GUIDE FOR PROGRAMMING THE 3330
DIRECT ACCESS STORAGE FACILITY

31 Support Programs

GY33-8539 SYSTEM/370 DOS VERSION 4 LIBRARIAN-PROGRAM LOGIC MANUAL -
PROGRAM NUMBER 370N-CL-453
GY33-8538 DOS VERSION 4 LINKAGE EDITOR MANUAL - PROGRAM
LOGIC, PROG. NO. 370N-CL-453

32 Utilities

GY33-8547 DOS VERSION 4 SYSTEM UTILITIES - PROGRAM NUMBER 370N-UT-491

34 System Generation

GC33-5008 DOS VERSION 4 SYSTEM GENERATION

35 Emulation, Simulation

GC33-2006 MODEL 20 DOS EMULATOR ON SYSTEM/370 REFERENCE (370N-IC-002)
GC33-2010 MODEL 20 EMULATOR ON SYSTEM/370 USING DOS AND DOS/VS
PLANNING - PROG. NO. 360N-IC-002; COMPONENT NO. 5745-SC-E20
SY33-7010 MODEL 20 EMULATOR ON SYSTEM/370 USING DOS AND DOS/VS
LOGIC - PROG. NOS. 370N-IC-002 AND 5745-SC-E20
GC33-2004 1401/1440/1460/DOS EMULATOR ON MODELS 135/145/155 REFERENCE
MANUAL - PROGRAM NUMBER 370N-EU-490
SY33-7008 1401/1440/1460 DOS EMULATOR ON SYSTEM/370: LOGIC, PROG. NOS.
370N-EU-490 (DOS), 5745-SC-EML (DOS/VS)

GC33-2005 1410/7010 DOS EMULATOR ON MODELS 145/155 REFERENCE MANUAL
PROGRAM NUMBER 370N-EU-490
SY33-7009 1410/7010 DOS EMULATOR ON SYSTEM/370 LOGIC, PROG. NOS.
370N-EU-490 (DOS), 5745-SC-EML (DOS/VS)

36 Control Program

GY33-8532 DOS VERSION 4 LOGICAL TRANSIENTS, LOGIC - PROG. 370N-CL-453
GY33-8533 INTRODUCTION TO DOS VERSION 4 LOGIC - PROGRAM
NUMBER 370N-CL-453
GY33-8534 DOS VERSION 4 SUPERVISOR AND RELATED TRANSIENTS - PROGRAM
LOGIC MANUAL - PROGRAM NUMBER 370N-CL-453
GY33-8537 DOS VERSION 4 SYSTEM SERVICE PROGRAMS - PROGRAM
LOGIC, PROG. NO. 370N-CL-453
GY33-8542 DOS VER. 4 IPL AND JCL LOGIC - PROG. NO. 370N-CL-453

37 RAS

GC24-5086 DOS OLTEP
GY24-5154 DOS OLTEP LOGIC

40 Programming System Operation

GC33-5009 DOS VERSION 4 MESSAGES, PROG. NO. 370N-CL-453

TSS/370 (TIME SHARING SYSTEM/370) (20-40)

20 General Information

**GC28-2003 IBM TIME SHARING SYSTEM CONCEPTS AND FACILITIES
**GC28-2048 IBM TIME SHARING SYSTEM - A PRIMER FOR FORTRAN IV USERS
PROGRAM NUMBER 360S-CI-555

21 Assembler

**GC28-2000 IBM TIME SHARING SYSTEM ASSEMBLER LANGUAGE
**GC28-2032 IBM TIME SHARING SYSTEM ASSEMBLER PROGRAMMER'S GUIDE
**GC28-2004 IBM TIME SHARING SYSTEM ASSEMBLER USER MACRO INSTRUCTIONS

25 FORTRAN

**GC28-2007 IBM TIME SHARING SYSTEM FORTRAN IV LANGUAGE
**GC28-2025 IBM TIME SHARING SYSTEM FORTRAN IV PROGRAMMER'S GUIDE!
**GC28-2026 IBM TIME SHARING SYSTEM FORTRAN IV LIBRARY SUBPROGRAMS

29 PL/I

**GC28-2045 IBM TIME SHARING SYSTEM PL/I LANGUAGE REFERENCE MANUAL
**GC28-2046 IBM TIME SHARING SYSTEM PL/I LIBRARY COMPUTATIONAL
SUBROUTINES
**GC28-2049 IBM TIME SHARING SYSTEM PL/I PROGRAMMER'S GUIDE

30 Access Methods, Data Management, Storage/Communications Control Programs

**GC28-2056 IBM TIME SHARING SYSTEM DATA MANAGEMENT FACILITIES

31 Support Programs

**GC28-2005 IBM TIME SHARING SYSTEM LINKAGE EDITOR

32 Utilities

**GC28-2038 IBM TIME SHARING SYSTEM INDEPENDENT UTILITIES

34 System Planning, Generation, Performance, SMF

**GC28-2034 IBM TIME SHARING SYSTEM MULTITERMINAL TASK PROGRAMMING &
OPERATION
**GC28-2010 IBM TIME SHARING SYSTEM - SYSTEM GENERATION AND MAINTENANCE

36 Control Program

**GC28-2001 IBM TIME SHARING SYSTEM COMMAND SYSTEM USER'S GUIDE
**GY28-2009 IBM TIME SHARING SYSTEM -- SYSTEM LOGIC SUMMARY
**GC28-2024 IBM TIME SHARING SYSTEM MANAGER'S AND ADMINISTRATOR'S GUIDE
**GC28-2008 IBM TIME SHARING SYSTEM SYSTEM PROGRAMMER'S GUIDE
**GX28-6401 IBM TIME SHARING SYSTEM - QUICK GUIDE FOR SYSTEM PROGRAMMERS

37 RAS

**GC28-2028 IBM TIME SHARING SYSTEM TEST AND MAINTENANCE USER'S GUIDE
**GC28-2006 IBM TIME SHARING SYSTEM - TIME SHARING SUPPORT SYSTEM (TSSS)

38 Remote Job Entry

**GC28-2057 IBM TIME SHARING SYSTEM REMOTE JOB ENTRY

40 Programming System Operation

**GC28-2033 IBM TIME SHARING SYSTEM OPERATOR'S GUIDE
**GX28-6400 IBM TIME SHARING SYSTEM -- QUICK GUIDE FOR USERS
**GC28-2017 IBM TIME SHARING SYSTEM TERMINAL USER'S GUIDE

ASP and DSP

36 Control Program

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 OPERATOR'S MANUAL,
PROG. NO. 360A-CX-15X
GH20-1290 ASYMMETRIC MULTIPROCESSING SYSTEM: MESSAGES & CODES MANUAL,
PROGRAM NUMBER 360A-CX-15X
GH20-1291 ASYMMETRIC MULTIPROCESSING SYSTEM - APPLICATION PROGRAMMER'S
MANUAL - PROGRAM NUMBER 360A-CX-15X
GH20-1292 IBM S/360 AND S/370 ASP VERSION 3 ASYMMETRIC MULTIPROCESSING
SYSTEM - SYSTEM PROGRAMMR'S MANUAL - PROGRAM NUMBER
360A-CX-15X
GH20-1403 IBM SYSTEM/360 AND SYSTEM/370 ASP VERSION 3 ASYMMETRIC
MULTIPROCESSING SYSTEM LOGIC MANUAL - PROGRAM NUMBER
360A-CX-15X
GX20-1927 ASP VERSION 3 ASYMMETRIC MULTIPROCESSING SYSTEM:
OPERATORS REFERENCE BOOKLET - PROG. NO. 360A-CX-15X
GH20-1171 SYSTEM/370 DISTRIBUTED SYSTEM PROGRAM (S/370 DSP) GENERAL
INFORMATION MANUAL, PROG. NO. 360A-TX-032
GH20-9500 IBM SYSTEM/370 DISTRIBUTED SYSTEM PROGRAM REFERENCE MANUAL
PROGRAM NUMBER 360A-TX-032
GH20-9501 SYSTEM/370 DISTRIBUTED SYSTEM PROGRAM OPERATIONS GUIDE
PROG. NO. 360A-TX-032

PROGRAMMING -- GENERAL (20-40)

24 COBOL

GX28-1520 IBM REFERENCE CARD - COBOL

25 FORTRAN

GC28-6515 IBM SYSTEM/360 AND SYSTEM/370 FORTRAN IV LANGUAGE
- PROG PROD 5748-FO2
GX28-6384 IBM FORTRAN IV REFERENCE CARD

28 RPG, RPG II

GC21-7514 INTRODUCTION TO RPG II

29 PL/I

GY33-6003 PL/I LANGUAGE SPECIFICATIONS

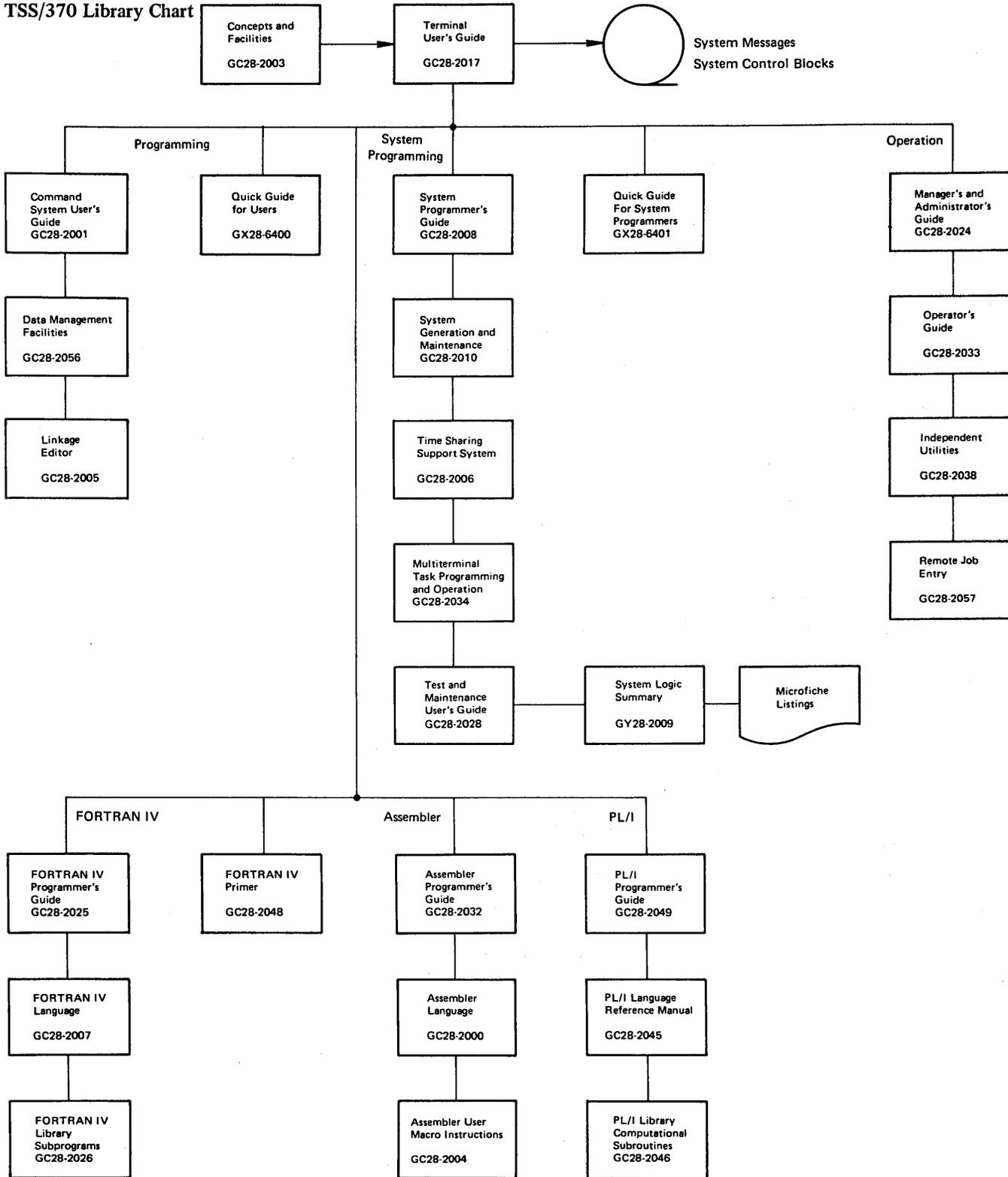
30 Access Methods, Data Management, Storage/Communications Control Programs

GA21-9195 A PROGRAMMER'S INTRODUCTION TO THE APPLICATION CONTROL
LANGUAGE (FOR 3741 MODELS 3 & 4 PROGRAMMING WORKSTATION)
SY21-9203 APPLICATION CONTROL LANGUAGE SUPPORT LOGIC MANUAL
(FOR IBM 3741 MODELS 3 & 4 PROGRAMMING WORK STATION)

40 Programming System Operation

SR20-4460 IBM SYSTEM/370 OPERATOR'S REFERENCE GUIDE

TSS/370 Library Chart



DB/DC

Advanced Communication Functions

**GC30-3033 INTRODUCTION TO ADVANCED COMMUNICATIONS FUNCTION
**GC30-9501 ADVANCED COMMUNICATIONS FUNCTION FOR NCP/VS (ACF/NCP/VS)
DESIGN OBJECTIVES, PROG PROD 5735-XX1
**GC30-2050 ADVANCED COMMUNICATIONS FUNCTION FOR TCAM-GENERAL
INFORMATION, PROG PROD 5735-RC1
**GC30-9500 ADVANCED COMMUNICATIONS FUNCTION FOR TCAM (ACF/TCAM) WITH
A FEATURE FOR MULTISYSTEM NETWORKING, DESIGN OBJECTIVES,
PROG PROD 5735-RC1
**GC38-0282 ADVANCED COMMUNICATIONS FUNCTION FOR VTAM (ACF/VTAM)
CONCEPTS AND PLANNING, PROG PROD 5735-RC2, 5746-RC3
**GC38-0254 ADVANCED COMMUNICATIONS FUNCTION FOR VTAM (ACF/VTAM)
GENERAL INFORMATION, PROG PRODS 5735-RC2, 5746-RC3
**GC38-0253 ADVANCED COMMUNICATIONS FUNCTION FOR VTAM (ACF/VTAM)
INCLUDING A FEATURE FOR MULTISYSTEM NETWORKING,
DESIGN OBJECTIVES, PROG PROD 5746-RC3, 5735-RC2

CICS, CICS/VS

GH20-4140 CUSTOMER INFORMATION CONTROL SYSTEM/OS - STANDARD V2
(CICS/OS - STANDARD V2) SPECIFICATIONS - PROGRAM PRODUCT
5734-XX7
GH20-4134 CICS/DOS STANDARD, PROG. PROD. 5736-XX7 SPECIFICATIONS
GH20-4131 CICS/DOS ENTRY, PROG. PROD. 5736-XX6 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 (CICS) APPLICATION PROG-
RAMMER'S REFERENCE MANUAL PROGRAM NUMBERS 5736-XX6
(DOS-ENTRY) 5736-XX7 (DOS-STANDARD; 5734-XX7
(OS-STANDARD V2)

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/DOS - ENTRY (CICS/DOS-
ENTRY) LISTINGS, PROG. PROD. 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/DOS STANDARD (CICS/DOS-
STANDARD) LISTINGS, PROG. PROD. 5736-XX7

**SC33-0060 CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE
(CICS/VS) VERSION 1.2 OPERATIONS GUIDE (OS)
PROGRAM PROD 5740-XX1

**SC33-0071 CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE
(CICS/VS) VERSION 1 RELEASE 3: SYSTEM PROGRAMMER'S GUIDE
(OS/VS) (5740-XX1)

**GC33-0087 CICS/OS/VS V1 R3: PROG PROD 5740-XX1, SPECIFICATIONS

**GH20-4452 CICS/OS/VS VERSION 1 PROG PROD 5740-XX1, DESIGN OBJECTIVES

**GH20-4502 CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE OS/VS
(CICS/OS/VS) VERSION 1 MODIFICATION LEVEL 2 SPECIFICATIONS
PROG PROD 5740-XX1

SX26-3701 CICS/VS REFERENCE SUMMARY: PROGRAM DEBUGGING

**LYA4-3002 CICS OS/VS V1 R3.0 PROG PROD 5740-XX1, LISTINGS

LYB0-8008 CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE
(CICS/VS) LISTINGS (OS) PROG. PROD. 5740-XX1

LY20-8006 CICS/OS/VS PROGRAM LOGIC MANUAL, PROG. PROD. 5740-XX1

**LY33-6029 CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE
(CICS/VS) PROGRAM LOGIC (OS/VS) - PROGRAM NUMBER 5740-XX1

**GC33-0052 CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE
(CICS/VS): GENERAL INFORMATION MANUAL, PROG PRODS 5746-XX3,
5740-XX1

**SC33-0053 CUSTOMER INFORMATION CONTROL SYSTEM (CICS/VS)
SYSTEM/APPLICATION DESIGN GUIDE - PROG PRODS 5740-XX1
(CICS/OS/VS) & 5746-XX3 CICS/DOS/VS)

**SC33-0054 CUSTOMER INFORMATION CONTROL SYSTEM (CICS/VS) SYSTEM
PROGRAMMER'S REFERENCE MANUAL, PROG PRODS 5740-XX1
CICS/OS/VS) 5746-XX3 (CICS/DOS/VS)

**SC33-0055 CICS/VS SYSTEM ADMINISTRATOR'S GUIDE, PROG PRODS
5740-XX1, 5746-XX3

**SC33-0056 CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE
(CICS/VS) VERSION 1.2: APPLICATION PROGRAMMER'S REFERENCE
MANUAL; PROG PRODS 5740-XX1, 5746-XX3

**SC33-0057 CICS/VS VERSION 1.2 TERMINAL OPERATOR'S GUIDE, PROG PRODS
5740-XX1, 5746-XX3

**SC33-0058 CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE
(CICS/VS) MESSAGES AND CODES, PROG PRODS 5740-XX1
(CICS/OS/VS) AND 5746-XX3 (CICS/DOS/VS)

**SC33-0059 CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE
(CICS/VS): ADVANCED COMMUNICATION GUIDE, PROG PRODS
5746-XX3 AND 5740-XX1

**GC33-0066 CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE
(CICS/VS) VERSION 1, RELEASE 3 GENERAL INFORMATION

**SC33-0067 CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE
(CICS/VS) VERSION 1, RELEASE 3: INTRODUCTION TO LOGIC,
PROG PROD 5740-XX1 AND 5746-XX3

**SC33-0068 CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE
(CICS/VS) VERSION 1 RELEASE 3: SYSTEM/APPLICATION
DESIGN GUIDE (PROG PROD 5746-XX3 AND 5740-XX1)

**SC33-0070 CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE
(CICS/VS) VERSION 1 RELEASE 3: SYSTEM PROGRAMMER'S
GUIDE (DOS/VS PROG PROD 5746-XX3)

**SC33-0072 CICS/VS V1 REL 3, IBM 3600 GUIDE (5746-XX3 AND 5740-XX1)

**SC33-0073 CICS/VS V1 R3, IBM 3650 GUIDE (5746-XX3 AND 5740-XX1)

**SC33-0074 CICS V1 R3, IBM 3767 AND 3770 GUIDE (5746-XX3 AND 5740-XX1)

**SC33-0075 CICS/VS V1 R3: IBM 3790 GUIDE, PROG PROD 5746-XX3, 5740-XX1

**SC33-0077 (CICS/VS) VERS 1 REL 3, APPLICATION PROGRAMMER'S REFERENCE
MANUAL (COMMAND LEVEL), PROG PROD 5746-XX3 AND 5740-XX1

**SC33-0079 CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE
(CICS/VS) VERSION 1 RELEASE 3: APPLICATION PROGRAMMER'S
REFERENCE (MACRO LEVEL) (PROG PROD 5740-XX1 AND 5746-XX3)

****SC33-0080** CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE
(CICS/VS) VERSION 1 RELEASE 3: OPERATOR'S GUIDE, PROG PROD
5746-XX3 AND 5740-XX1

****SC33-0081** CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE
(CICS/VS) VERSION 1 RELEASE 3: MESSAGES AND CODES
(PROG PROD 5746-XX3 AND 5740-XX1)

****GH19-6044** TERMINAL BUSINESS SYSTEM/VS TO CICS/VS CONVERSION GUIDE
****SX26-3700** CICS/VS REFERENCE SUMMARY: MASTER TERMINAL OPERATOR
****SX33-6008** IBM CICS/VS VERSION 1.2 MASTER TERMINAL OPERATOR REFERENCE
SUMMARY, PROG PRODS 5740-XX1 (FOR OS/VS) 5746-XX3
(FOR DOS/VS)

****SX33-6009** CICS/VS VERSION 1.2 PROGRAM DEBUGGING REFERENCE SUMMARY
****SX33-6010** CICS/VS VERSION 1 RELEASE 3 PROGRAM DEBUGGING
REFERENCE SUMMARY

****SX33-6011** CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE
(CICS/VS) VERSION 1 RELEASE 3, REFERENCE SUMMARY:
MASTER TERMINAL OPERATOR (5746-XX3 and 5740-XX1)

****LYA4-3001** CICS DOS/VS, PROG PROD 5746-XX3 V1 R3.0, ASSEMBLER LISTINGS
****SC33-0082** CICS/VS V1 R3 SUBSET USER'S GUIDE, DOS/VS PROG PROD 5746-XX3
****LYB0-8009** CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE
(CICS/VS) LISTINGS (DOS) PROG. PROD. 5746-XX3

****LY20-8007** CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE
(CICS DOS/VS) PROGRAM LOGIC MANUAL - PROG. NO. 5746-XX3

****LY33-6027** CUSTOMER INFORMATION CONTROL SYSTEM/OPERATING SYSTEM/
VIRTUAL STORAGE (CICS/OS/VS) VERSION 1.2 LOGIC - PROG.
PROD 5740-XX1

****LY33-6028** CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL
STORAGE (CICS/VS) LOGIC (DOS/VS), PROG PROD 5746-XX3
SH20-1359 S/370 CICS/COBOL CALL INTERFACE NATIONAL BANK OF DETROIT
5796-AEG DESCRIPTION/OPERATIONS
G320-8089 CICS/COBOL CALL INTERFACE FOR CICS/OSS CICS/DOSS &
CICS/DOSE: NATIONAL BANK OF DETROIT, IUP 5796-AEG NOTICE

****SH20-1787** OS/DOS CICS/VS COBOL CALL INTERFACE, IUP 5796-AHK,
DESCRIPTION/OPERATIONS

****G320-5654** OS/DOS CICS/VS COBOL CALL INTERFACE, IUP 5796 AHK NOTICE
GB21-1819 CICS COBOL PL/I ONE-STEP PREPROCESSOR - FDP 5798-CHC, NOTICE
SB21-1075 CICS DYNAMIC MAP - FDP 5798-AXR
DESCRIPTION/OPERATIONS
GB21-1492 CICS/ENTRY SYSTEM STATISTICS - FDP 5798-CBZ, NOTICE
SB21-1493 CICS/ENTRY SYSTEM STATISTICS FDP 5798-CBZ
DESCRIPTION/OPERATIONS
GB21-1837 CICS/VS DATASET RECOVERY FACILITY - FDP 5798-CJF, NOTICE
SB21-1838 CICS/VS DATASET RECOVERY FACILITY - FDP 5798-CJF,
DESCRIPTION/OPERATIONS

****GH20-9104** DB/DC DATA DICTIONARY GENERAL INFORMATION PROG PROD 5740-XXF
(OS/VS), 5746-XXC (DOS/VS)

****GT40-9104** DB/DC DATA DICTIONARY GENERAL INFORMATION MANUAL,
PROG PROD 5740-XXF, 5746-XXC: REL 1 (GH20-9104-0)

****GB21-1874** CICS/VS DUMP READING PROGRAM, OS/VS, 5798-CJX, NOTICE
****SB21-1875** CICS/VS DUMP READING PROGRAM - OS/VS FDP 5798-CJX,
DESCRIPTION/OPERATIONS

GH20-1702 EXTENDED TELECOMMUNICATIONS MODULES (EXTM) VERSION 2
FEATURE OF CICS/DOS/VS PROG. PROD. 5746-XXB, GENERAL
INFORMATION MANUAL

SH20-1704 EXTENDED TELECOMMUNICATIONS MODULES (EXTM)
FEATURE OF CICS/DOS/VS VERSION 2
PROGRAM REFERENCE MANUAL - PROG PROD 5746-XXB

GH20-4388 EXTENDED TELECOMMUNICATIONS MODULES
(EXTM) FEATURE OF CICS/DOS/VS VERSION 1
MOD LEVEL 0 - PROG. NO. 5746-XXB, SPECIFICATIONS

****GH20-4528** EXTENDED TELECOMMUNICATIONS MODULES (EXTM) V3 REL 1, MOD
LEVEL 0, LIC PROG 5746-XXB, SPECIFICATIONS

****LYB0-2218** EXTM, PROG PROD 5746-XX3
LY20-2175 EXTENDED TELECOMMUNICATIONS MODULES (EXTM) FEATURE OF
CICS/DOS/VS - PROG. PROD. 5746-XXB, LOGIC

LY20-2193 EXTENDED TELECOMMUNICATIONS MODULES FEATURE OF CICS/DOS/VS
PROBLEM DETERMINATION GUIDE PROGRAM NUMBER: 5746 XXB

GH20-1514 FASTER TO CICS/VS MIGRATION TECHNIQUES GUIDE
SH20-1296 FASTER LANGUAGE FACILITY PROGRAM REFERENCE MANUAL AND
OPERATIONS GUIDE PROG. NOS. 5740-XX1 (CICS/OS/VS), 5746-XX3
(CICS/DOS/VS)

GH20-1502 FASTER LANGUAGE FACILITY FOR THE CUSTOMER INFORMATION
CONTROL SYSTEM (CICS/VS) GENERAL INFORMATION MANUAL,
PROG. PROD. 5740-XX1 & 5746-XX3

****GH20-4623** FASTER LANGUAGE FACILITY FOR CICS/DOS/VS PROGRAM
NUMBER 5746-XX3 AND FOR CICS/DOS/VS PROGRAM
NUMBER 5740-XX1, FUNCTIONAL DESCRIPTION

LYB0-2046 FASTER LANGUAGE FACILITY VERSION 1.0 (FLF/CICS/VS): LISTINGS
PROG. NOS. 5740-XX1 (OS), 5746-XX3 (DOS)

LY20-2045 FASTER LANGUAGE FACILITY FOR THE CUSTOMER INFORMATION
CONTROL SYSTEM (CICS/VS), LOGIC PROG. NOS. 5746-XX3
(CICS/DOS/VS), 5740-XX1 (CICS/OS/VS):
FEATURES 6019, 6020,6021,6022,6023,6024

GB21-1441 CICS/M.T.C.S. 3270 SCREEN FORMAT UTILITY - FDP 5798-CBH,
NOTICE

SB21-1442 CICS/M.T.C.S. 3270 SCREEN FORMAT UTILITY - FDP 5798-CBH,
DESCRIPTION/OPERATIONS

LB21-1443 CICS/M.T.C.S. 3270 SCREEN FORMAT UTILITY - FDP 5798-CBH,
SYSTEMS GUIDE

GB21-1641 CICS/M.T.C.S. ON-LINE PANEL ENTRY LIBRARY SYSTEM - FDP
5798-CET, NOTICE

SB21-1642 CICS/M.T.C.S. ON-LINE PANEL ENTRY LIBRARY SYSTEM - FDP
5798-CET, DESCRIPTION/OPERATIONS

LB21-1643 CICS/M.T.C.S. ON-LINE PANEL ENTRY LIBRARY SYSTEM - FDP
5798-CET, SYSTEMS GUIDE

GB21-1504 CICS NETWORK ACTIVITY SIMULATOR - FDP 5798-CCH, NOTICE

SB21-1505 CICS NETWORK ACTIVITY SIMULATOR - FDP 5798-CCH, DESCRIPTION/
OPERATIONS

SH20-1358 S/370 CICS ON LINE TEST/DEBUG CON EDISON - IUP 5796-AEF
DESCRIPTION/OPERATIONS

G320-8088 CICS ON-LINE TEST/DEBUG FOR CICS/OSS, CICS/DOSS &
CICS/DOSE: CON EDISON, IUP 5796-AEF NOTICE

**GB21-2121 CICS/VS MVS PEER ADDRESS SPACES - FDP 5798-CQE, NOTICE

**SB21-2122 CICS/VS MVS PEER ADDRESS SPACES - FDP 5798-CQE,
DESCRIPTION/OPERATIONS

SB21-1181 CICS PERFORMANCE ANALYZER - FDP 5798-AZN
DESCRIPTION/OPERATIONS

SB21-1697 CICS/VS PERFORMANCE ANALYZER II - FDP 5798-CFP,
DESCRIPTION/OPERATIONS

GB21-1862 CICS/VS PERFORMANCE ANALYZER II - FDP 5798-CFP, NOTICE

GB21-1507 CICS PLOT-FDP 5798-CCG, NOTICE

SB21-1508 CICS PLOT - FDP 5798-CCG, DESCRIPTION/OPERATIONS

GB21-1373 CICS SOURCE PROGRAM MAINTENANCE ON-LINE - FDP 5798-BDT,
NOTICE

SB21-1374 CICS SOURCE PROGRAM MAINTENANCE ON-LINE FDP 5798-BDT
DESCRIPTION/OPERATIONS

GB21-1696 CICS SOURCE PROGRAM MAINTENANCE ON-LINE II - FDP 5798-CFT,
NOTICE

**SB21-1700 CICS SOURCE PROGRAM MAINTENANCE ON-LINE II - FDP 5798-CFT,
DESCRIPTION/OPERATIONS

GB21-1498 CICS/VOLUME TEST FACILITY - FDP 5798-CDJ, NOTICE

SB21-1499 CICS/VOLUME TEST FACILITY - FDP 5798-CDJ DESCRIPTION/
OPERATIONS

**G320-5710 TESTING AND DEBUGGING ONLINE WITH CICS/VS,
IUP 5796-AHJ, NOTICE

GB21-1035 CICS/3270 SIMULATOR (5798-AXC), CICS DYNAMIC MAP (5798-AXR),
AND CICS PERFORMANCE ANALYZER (5798-AZN): 3 FDP'S NOTICE

SB21-1036 CICS/3270 SIMULATOR - FDP 5798-AXC
DESCRIPTION/OPERATIONS

**GC19-5042 IBM 5930 SUPPORT UNDER CICS/DOS/VS (CUSTOMER
INFORMATION CONTROL SYSTEM DOS/VS) PRPQ DESCRIPTION/
OPERATIONS, PRPQ Y96303, PROG 5799-AJP

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**G320-5697 DL/I BATCH MONITOR FOR DOS/VS, IUP 5796-AKY, NOTICE

SH12-5411 DL/I DOS/VS APPLICATION PROGRAMMING REFERENCE MANUAL
PROGRAM PRODUCT 5746-XX1

SH12-5412 DL/I DOS/VS UTILITIES AND GUIDE FOR THE SYSTEM PROGRAMMER
PROGRAM PRODUCT 5746-XX1

SH12-5413 DL/I DOS/VS SYSTEM/APPLICATION DESIGN GUIDE
PROGRAM NO. 5746-XX1

SH12-5414 DL/I DOS/VS OPERATOR'S REFERENCE MANUAL & MESSAGES AND
CODES, PROG. PROD. 5746-XX1

GH20-1246 DATA LANGUAGE/I DISK OPERATING SYSTEM/VIRTUAL STORAGE
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5746-XX1

GH20-4350 DL/I DOS/VS, PROG. PROD. 5746-XX1 SPECIFICATIONS, VERSION 1
MOD 1

**GH20-4457 DL/I DOS/VS, V1, REL 3, LIC PROG 5746-XX1, DESIGN OBJECTIVES

**GH20-4523 DL/I DOS/VS, V1 REL 2, LIC PROG 5746-XX1, SPECIFICATIONS

SH20-9046 IBM SYSTEM/370 LOW-LEVEL CODE/CONTINUITY CHECK IN DATA
LANGUAGE/I DOS/VS PROGRAM REFERENCE AND OPERATIONS MANUAL
PROGRAM NUMBER 5746-XX1

LYB0-0839 DATA LANGUAGE/I DOS/VS LISTING - PROG. NO. 5746-XX1

LY12-5016 DATA LANGUAGE/I DISK OPERATING SYSTEM/VIRTUAL
STORAGE (DL/I DOS/VS) LOGIC MANUAL - PROGRAM
PRODUCT 5746-XX1

**GH20-4510 DB/DC DATA DICTIONARY, PROG PROD 5740-XXF (OS/VS),
5746-XXC (DOS/VS), SPECIFICATIONS

**SH20-9083 DB/DC DATA DICTIONARY USER'S GUIDE, PROGS 5740-XXF, 5746-XXC

**SH20-9084 DB/DC DATA DICTIONARY INSTALLATION REFERENCE MATERIAL
PROGS 5740-XXF, 5746-XXC

**GH20-9104 DB/DC DATA DICTIONARY GENERAL INFORMATION PROG PROD 5740-XXF
(OS/VS), 5746-XXC (DOS/VS)

**LY20-8037 DB/DC DATA DICTIONARY, PROG PRODS 5740-XXF, 5746-XXC, LOGIC
 GH12-5115 DATA LANGUAGE/I-ENTRY DOS/V5 (DL/I-ENTRY DOS/V5)
 SH12-5415 GENERAL INFORMATION MANUAL, PROG. PROD. 5746-XX7
 DATA LANGUAGE/I-ENTRY DOS/V5 (DL/I-ENTRY DOS/V5)
 APPLICATION PROGRAMMING REFERENCE MANUAL PROG. PROD.
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 SH12-5418 IBM DL/I-ENTRY UTILITIES REFERENCE SUMMARY
 **GH20-4380 SYSTEM/370 DATA LANGUAGE/1 ENTRY DOS/V5
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 **SH20-1802 DL/I HDAM DATA BASE TRAINING AID, IUP 5796-AKF,
 DESCRIPTION/OPERATIONS
 **G320-5660 DL/I HDAM DATA BASE TUNING AID, IUP 5796-AKF, NOTICE
 SB21-1787 DATA BASE CALL MACROS - FDP 5798-CHK, DESCRIPTION/OPERATIONS
 GB21-1786 DATA BASE CALL MACROS - FDP 5798-CHK, NOTICE
 **GB21-1740 DOS/V5 DL/I STATUS DISPLAY AND DEBUGGING AID - FDP
 5798-CGL, NOTICE
 **SB21-1741 DOS/V5 DL/I STATUS DISPLAY AND DEBUGGING AID - FDP 5798-CGL,
 DESCRIPTION/OPERATIONS
 **LB21-1742 DOS/V5 DL/I STATUS DISPLAY AND DEBUGGING AID - FDP 5798-CGL,
 SYSTEMS GUIDE
 **SH20-1769 DOS MAP DL/I, IUP 5796-PCW, DESCRIPTION/OPERATIONS
 LY20-2053 DOSMAP - DL/I DATA BASE MAPPING PROGRAMS SYSTEMS GUIDE
 PROG. NO. 5796-PCW
 **LY20-2208 DOS MAP - DLI, IUP 5796-PCW, SYSTEMS GUIDE
 **G320-8159 DOSMAP - DLI, IUP 5796-PCW, NOTICE
 SC09-0007 VANDL-1 PRPQ DESCRIPTION AND OPERATION MANUAL (VANCOUVER
 DATA LANGUAGE ONE) - PROGRAM NUMBER 5799-AEY
 **GH20-4609 VANCOUVER DATA LANGUAGE-ONE (VANDL-1) PROG 5799-AEY,
 FUNCTIONAL DESCRIPTION
 LY09-0012 VANDL-1 LOGIC MANUAL - PROG. NO. 5799-AEY
 GB21-1510 VANDL-1/DL/I DATA BASE UTILITY, FDP 5798-CDH, NOTICE
 SB21-1511 VANDL-1 - DL/I DATABASE UTILITY - FDP 5798-CDH,
 DESCRIPTION/OPERATIONS
 LB21-1512 VANDL-1 DL/I DATA BASE UTILITY, FDP 5798-CDH SYSTEMS
 GUIDE

DMS II, DMS/V5

GH20-1251 DISPLAY MANAGEMENT SYSTEM II (DMS II) GENERAL INFORMATION
 MANUAL - PROGRAM PRODUCTS 5734-XC4 AND 5736-XC4
 SH20-1456 DISPLAY MANAGEMENT SYSTEM II (DMS II) OS/V5 OPERATIONS GUIDE
 PROGRAM NUMBER 5734-XC4
 SH20-1457 DISPLAY MANAGEMENT SYSTEM II (DMS II) OS/V5 PROGRAM
 REFERENCE MANUAL - PROGRAM NUMBER 5734-XC4
 LY20-0870 DISPLAY MANAGEMENT SYSTEM II (DMS II) OS/V5 LOGIC MANUAL
 PROGRAM NUMBER 5734-XC4
 SH20-1572 DISPLAY MANAGEMENT SYSTEM II DOS/V5 (DMS II)
 OPERATIONS GUIDE, PROG. NO. 5736-XC4
 SH20-1573 DISPLAY MANAGEMENT SYSTEM II -- DOS/V5 (DMS II)
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 LY20-2043 DISPLAY MANAGEMENT SYSTEM II -- DOS/V5 (DMS II) LOGIC
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 **GH20-1863 DISPLAY MANAGEMENT SYSTEM/V5 VERSION 1 (DMS/V5) GENERAL
 INFORMATION: LIC PROG 5740-XC2 (OS/V5), 5746-XC2 (DOS/V5)
 **SH20-1864 DMS/V5 VERSION 1, OPERATIONS GUIDE, LIC PROG 5740-XC2
 (OS/V5), 5746-XC2 (DOS/V5)
 **SH20-1865 DMS/V5 VERSION 1 OPERATIONS GUIDE, LIC PROG 5740-XC2
 (OS/V5), 5746-XC2 (DOS/V5)
 **GH20-4516 DISPLAY MANAGEMENT SYSTEM/V5 VERSION 1 SPECIFICATIONS,
 DMS/DOS/V5 PROG PROD 5746-XC2, DMS/OS/V5 PROG PROD 5740-XC2
 **SH20-1745 SYSTEM/370 DISPLAY MANAGEMENT SYSTEM PROGRAMMING RPQ Z06076
 DESCRIPTION/OPERATIONS, PROG 5799-AFD
 **LY20-2227 SYSTEM/370 DISPLAY MANAGEMENT SYSTEM PROGRAMMING RPQ Z06076
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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, PROG. PROD. 5734-XX1
 SH20-1032 IBM GENERALIZED INFORMATION SYSTEM, VERSION 2 (GIS/2)
 OPERATIONS MANUAL - PROGRAM NUMBER 5734-XX1
 SH20-1033 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2)
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 SH20-1040 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) VOLUME 2:
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 SH20-1177 PLANNING GUIDE FOR THE DL/I QUERY SUPPORT FEATURE OF
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GH20-4124 GENERALIZED INFORMATION SYSTEM, VERSION 2 (GIS/2)
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GH20-9033 GENERALIZED INFORMATION SYSTEM, VERSION 2 (GIS/2) EXECUTIVE
QUERY REFERENCE (BASIC INTRODUCTION), PROG. NO. 5734-XX1

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

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

LYB0-0866 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2)
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5734-XX1

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

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

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

LYB0-0870 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2)
HIERARCHICAL FILE SUPPORT FEATURE MICROFICHE - PROGRAM
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LYB0-0871 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) UPDATE AND
CREATE FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1

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

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

LYB0-0874 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) FILE MODIFY
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

LYB0-0876 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) EXTENDED
MULTI-FILE SUPPORT FEATURE MICROFICHE - 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
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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

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

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

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

LY20-0704 GIS/2 SYSTEM MANUAL SUPPLEMENT FOR THE HIERARCHIC FILE
SUPPORT FEATURE, PROG. NO. 5734-XX1 FEATURE NO. 8120

LY20-0705 IBM GENERALIZED INFORMATION SYSTEM VOLUME 2 (GIS/2) SYSTEM
MANUAL SUPPLEMENT FOR THE FILE UPDATE AND CREATE FEATURE
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LY20-0706 IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM
MANUAL SUPPLEMENT FOR THE UTILITY FEATURE PROGRAM NUMBER
5734-XX1 FEATURE NUMBER 8121

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

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

LY20-0809 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM
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GH20-4367 GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/VS)
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GH20-9035 GENERALIZED INFORMATION SYSTEM VIRTUAL STORAGE (GIS/VS)
GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5740-XX7

SH20-9036 GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/VS)
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SH20-9037 GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/VS)
SYSTEM PROGRAMMER'S REFERENCE MANUAL 5740-XX7

SH20-9038 GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/VS)
LANGUAGE REFERENCE MANUAL - 5740-XX7

SH20-9039 GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/VS)
MESSAGES AND CODES, PROG. PROD. 5740-XX7

SH20-9040 GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/VS)
PLANNING AND OPERATION GUIDE FOR THE ADVANCED QUERY FEATURE
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GH20-9043 GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/VS)
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LYB0-8023 GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/VS)
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LYB0-8024 GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/VS)
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LYB0-8025 GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/VS)
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LYB0-8026 GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/VS)
LISTINGS FOR THE UPDATE/CREATE FEATURE PROG. NO. 5740-XX7

LY20-8010 GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/VS)
PROGRAM LOGIC MANUAL VOLUME 1 - PROG. PROD. 5740-XX7

LY20-8011 GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/VS)
PROGRAM LOGIC MANUAL VOLUME 2 - PROG. NO. 5740-XX7

LY20-8012 GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/VS)
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LY20-8013 GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/VS)
PROGRAM LOGIC MANUAL SUPPLEMENT FOR THE ADVANCED QUERY
FEATURE PROG. NO. 5740-XX7

LY20-8014 GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/VS)
PROGRAM LOGIC MANUAL SUPPLEMENT FOR THE MODIFY FEATURE
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LY20-8015 GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/VS)
PROGRAM LOGIC MANUAL SUPPLEMENT FOR THE UPDATE/CREATE
FEATURE - PROG. NO. 5740-XX7

GH09-0052 GIS DOS/VS, PRPQ 5799-ALX SPECIFICATIONS

GH19-0082 GENERALIZED INFORMATION SYSTEM DOS/VS, GENERAL INFORMATION
PROG. NO. 5799-ALX, PRPQ 8T0139

GH19-0084 GENERALIZED INFORMATION SYSTEM DOS/VS EXECUTIVE QUERY,
REFERENCE - PROG. NO. 5799-ALX, PRPQ 8T0139

SH19-0086 GENERAL INFORMATION SYSTEM DOS/VS LANGUAGE REFERENCE MANUAL
- PROG. NO. 5799-ALX

SH19-0087 GENERAL INFORMATION SYSTEM DOS/VS SYSTEM PROGRAMMER'S
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GH19-0094 GENERAL INFORMATION SYSTEM DOS/VS USER'S GUIDE - PROG. NO.
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**SH20-1921 GIS LIBRARY MAINTENANCE, IUP 5796-ANG, DESCRIPTION/OPERATION

**G320-5727 GIS AND GIS/VS LIBRARY MAINTENANCE PROGRAM -
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G320-1523 DBPROTOTYPE (5796-PBB), IMSMAP (5796-PBC), PLIMS (5796-PBF),
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SH20-1306 BTS (BATCH TERMINAL SIMULATOR) PROGRAM
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SH20-1360 3270 FORMATTING FEATURE FOR BATCH TERMINAL SIMULATOR (BTS)
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LY20-0774 BTS (BATCH TERMINAL SIMULATOR) SYSTEMS GUIDE - IUP NUMBER
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LY20-0931 3270 FORMATTING FEATURE FOR BTS, IUP 5796-PBD, SYSTEM
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G320-1529 3270 FORMATTING FEATURE FOR BATCH TERMINAL SIMULATOR
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SH20-1540 BTS/VS - IUP 5796-PCZ, DESCRIPTION/OPERATIONS

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G320-1539 BTS/VS - IUP 5796-PCZ, RELEASE NOTICE

GB21-1104 COBIMS - FDP 5798-AYK - AVAILABILITY NOTICE

SB21-1105 COBIMS - FDP 5798-AYK - DESCRIPTION/OPERATIONS

LB21-1106 COBIMS - FDP 5798-AYK - SYSTEMS GUIDE

GH20-1272 DATA BASE DESIGN EVALUATION (DBPROTOTYPE) GENERAL
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SH20-1303 DBPROTOTYPE PROGRAM DESCRIPTION/OPERATIONS MANUAL - IUP
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LY20-0771 DATA BASE DESIGN EVALUATION (DBPROTOTYPE) PROGRAM SYSTEM
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**SH20-1953 DBPROTOTYPE II, IUP 5796-PJK, DESCRIPTION/OPERATIONS

**G320-5754 DBPROTOTYPE II, IUP 5796-PJK, NOTICE

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 **SH20-9084 DB/DC DATA DICTIONARY INSTALLATION REFERENCE MATERIAL
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 **GH20-9104 DB/DC DATA DICTIONARY GENERAL INFORMATION PROG PROD 5740-XXF
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 **LY20-8037 DB/DC DATA DICTIONARY, PROG PRODS 5740-XXF, 5746-XXC, LOGIC
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 **SB21-1280 GIS/DDT TRANSLATION OF IMS/DBD FDP 5798-BBN DESCRIPTION/
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GC26-3771 OS ASSEMBLER H LANGUAGE, PROG. NO. 5734-AS1
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LY26-3737 IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION
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GH20-0689 APL/360 PRIMER, STUDENT TEXT
GC26-3847 APL LANGUAGE REFERENCE, PROG PROD 5748-AP1
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GH20-0850 APL/360 - OS (5734-XM6) AND APL/360 - DOS (5736-XM6)
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SH20-0938 APL/360 - DOS OPERATIONS AND INSTALLATION MANUAL,
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GH20-0906 APL/360-OS (5734-XM6), APL/360-DOS (5736-XM6),
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LY20-0678 APL/360-OS AND APL/360-DOS SYSTEM MANUAL
FEATURE NUMBERS 8091, 8034
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LYB0-0626 APL/360 - DOS ASSEMBLY LISTINGS,
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SC20-1845 APL/CMS INSTALLATION MANUAL, PROGRAMMING RPQ MF2608 - PROG.
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SC20-1846 APL/CMS USER'S MANUAL, PROGRAMMING RPQ MF2608 - PROG. NO.
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GH20-4370 APL/CMS SPECIFICATIONS - PROG. NO. 5799-ALK, PRPQ MF2608
GB21-1804 APL DATA LANGUAGE - FDP 5798-CHR, NOTICE
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**SH20-1846 APL FUNCTION EDITOR FOR APLSV (IUP 5796-PGX), APL FUNCTION
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**LY20-2247 APL FUNCTION EDITOR FOR APLSV IUP 5796-PGX, FEATURE 8676,
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**LY20-2248 APL FUNCTION EDITOR FOR VSAPL IUP 5796-PGY, SYSTEM GUIDE,
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LB21-0416 GRAPHS AND HISTOGRAMS IN APL SYSTEMS GUIDE - FDP NUMBER
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SH20-1460 APL SHARED VARIABLES (APLSV) USER'S GUIDE (PRPQ WE1191)
PROG. NO. 5799-AJF

SH20-1461 APL SHARED VARIABLES (APLSV) PROGRAMMING RPQ WE1191
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GH20-4291 APL SHARED VARIABLES VERSION 3.0
- PROG 5799-AQC, DESIGN OBJECTIVES

GH20-4347 APL SHARED VARIABLES (APLSV) - PROGRAM NO. 5799-AJF
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**SH20-9087 APL SHARED VARIABLES (APLSV) VERSION 3
USER'S GUIDE, PROGRAMMING RPQ MG6282 PROG 5799-AQC

**SH20-9088 APL SHARED VARIABLES (APLSV) V3 OPERATIONS GUIDE
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**GH20-9102 APL SHARED VARIABLES (ALPSV) VERSION 3.0 SPECIFICATIONS,
PROGRAMMING RPQ MG6282, PROG 5799-AQC

**LYB0-8042 APL SHARED VARIABLES (APLSV) VERSION 3, LISTINGS,
PROG 5799-AQC

**LYB0-2010 A PROGRAMMING LANGUAGE SHARED VARIABLE LISTINGS
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**GH20-4470 VS APL RELEASE 2, PROG PROD 5748-API DESIGN OBJECTIVES

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SH20-9065 VS APL INSTALLATION REFERENCE MATERIAL PROG PROD 5748-API

**SH20-9066 VS APL FOR VSPC: TERMINAL USER'S GUIDE PROG PROD 5748-API

SH20-9067 VS APL FOR CMS: TERMINAL USER'S GUIDE PROG PROD 5748-API

SH20-9068 VS APL FOR CMS: WRITING AUXILIARY PROCESSORS
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**GH20-9086 VS APL PROGRAM PRODUCT SPECIFICATIONS
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**SX26-3712 VS APL (5748-API) REFERENCE SUMMARY

**LY20-8032 VS APL PROGRAM LOGIC, PROG PROD 5748-API

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GC28-8302 IBM SYSTEM/370 VS BASIC GENERAL INFORMATION - PROGRAM NUMBER
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GC28-8303 SYSTEM/370 VS BASIC LANGUAGE

SC28-8308 SYSTEM/370 VS BASIC DOS/VS AND OS/VS PROGRAMMER'S GUIDE
PROG. NO. 5748-XX1

SC28-8309 SYSTEM/370 VS BASIC INSTALLATION REFERENCE MATERIAL
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GC28-8311 SYSTEM/370 VS BASIC, PROG. PROD. 5748-XX1 SPECIFICATIONS

LY28-6422 SYSTEM/370 VS BASIC: PROGRAM LOGIC, PROG. PROD. 5748-XX1

**LYC7-5051 VS BASIC LISTINGS - PROG PROD 5748-XX1

**SC28-8306 SYSTEM/370 VS BASIC CMS TERMINAL USER'S GUIDE
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**SX28-6386 SYSTEM/370 VS BASIC (CMS) REFERENCE SUMMARY PROG. NO.
5748-XX1

**SH20-1800 VS BASIC INTERACTIVE SYSTEM IUP 5796-PFT,
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**G320-5658 VS BASIC INTERACTIVE DATA SYSTEM, IUP 5796-PFT, NOTICE

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SX28-6385 SYSTEM/370 VS BASIC (TSO REFERENCE SUMMARY)
PROG. NO. 5748-XX1

**SH20-9060 VS BASIC FOR VSPC: TERMINAL USER'S GUIDE
PROG PROD 5748-XX1

**SX26-3710 VS BASIC FOR VSPC: REFERENCE SUMMARY, PROG 5748-XX1

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GC28-6436 OS FULL ANS COBOL COMPILER & LIBRARY VERSION 3
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GC28-6407 IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND
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SC28-6437 IBM SYSTEM/360 OPERATING SYSTEM FULL AMERICAN NATIONAL
STANDARD COBOL COMPILER AND LIBRARY, VERSION 3, PROGRAMMER'S
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SC28-6432 OS FULL ANS COBOL COMPILER & LIBRARY VERSION 3
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LY28-6407 IBM SYSTEM/360 OPERATING SYSTEM
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VERSION 3 PROGRAM LOGIC MANUAL, PROGRAM NUMBER 5734-CB1

LYC7-5023 SYSTEM/360 OPERATING SYSTEM AMERICAN NATIONAL STANDARD
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LYC7-5038 IBM SYSTEM/360/370 OS FULL ANS COBOL VERSION 3
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GC28-6396 IBM OS FULL ANS COBOL, PROG. NOS. 360S-CB-545 (V2), 5734-
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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, INSTALLATION REFERENCE MATERIAL, PROG. NOS. 5734-CB2, LM2

LY28-6420 IBM S/360 OPERATING SYSTEM: FULL AMERICAN NATIONAL STANDARD COBOL COMPILER V4 - PROGRAM LOGIC MANUAL - PROGRAM PRODUCT 5734-CB2

LY28-6419 OS FULL ANS COBOL SUBROUTINE LIBRARY VERSION 4 PROGRAM LOGIC MANUAL, PROG. PROD. 5734-CB2, 5734-LM2

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GC28-6443 IBM DOS FULL ANS COBOL COMPILER VERSION 3, PROG. PROD. 5736-CB2 SPECIFICATIONS

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 MANUAL PROG. NOS. 5736-CB2 (COMPILER), 5736-LM2 (LIBRARY)

SC28-6441 DOS FULL ANS COBOL COMPILER & LIBRARY VERSION 3 PROGRAMMER'S GUIDE, PROG. PRODUCTS 5736-CB2, 5736-LM2

GC28-6394 DOS FULL ANS COBOL, PROG. NOS. 360N-CB-482 (V1 & V2), 5736-CB2, LM2 (V3), 5746-CB1, LM4 (DOS/VS)

SC28-6442 IBM DOS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3 INSTALLATION REFERENCE MATERIAL PROG. NOS. 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

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LYC7-5031 DOS FULL ANS COBOL LIBRARY V3, LISTINGS, PROG. NO. 5736-LM2

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

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 MANUAL, PROG. NO. 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

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

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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

GB21-1447 CONVERSION AID: IBM DOS/VS ANS COBOL FROM BURROUGHS B5500 COBOL - FDP 5798-CBP, NOTICE

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LB21-1001 DOS SOURCE STATEMENT LIBRARY MAINTENANCE FOR ANS COBOL ON SYSTEM/370 SYSTEMS GUIDE - FDP NUMBER 5798-AWD

GC28-6473 IBM DOS/VS COBOL COMPILER AND LIBRARY GENERAL INFORMATION PROGRAM NUMBERS 5746-CB1 AND 5746-LM4

SC28-6479 IBM DOS/VS COBOL COMPILER AND LIBRARY INSTALLATION REFERENCE MATERIAL - PROGRAM NUMBERS 5746-CB1 AND 5746-LM4

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GC28-6487 DOS/VS COBOL COMPILER AND LIBRARY PROGRAM NOS. 5746-CB1 (COMPILER AND LIBRARY) 5746-LM4 (LIBRARY ONLY)

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GC28-6454 IBM OS COBOL INTERACTIVE DEBUG AND (TSO) COBOL PROMPTER
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SC28-6465 IBM OS COBOL INTERACTIVE DEBUG TERMINAL USER'S GUIDE AND
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SC28-6468 IBM OS COBOL INTERACTIVE DEBUG: INSTALLATION
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GC28-6485 IBM OS COBOL INTERACTIVE DEBUG, PROG. PROD. 5734-CB4 SPEC'S
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LB21-0841 IBM ANS COBOL CONVERSION AID FOR NCR CENTURY COBOL FOR
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GC28-6470 IBM OS/VS COBOL COMPILER AND LIBRARY GENERAL INFORMATION
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SC28-6481 IBM OS/VS COBOL COMPILER AND LIBRARY INSTALLATION REFERENCE
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**GC26-3857 IBM VS COBOL FOR OS/VS: OS/VS COBOL PROG PROD
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**LYC7-5052 OS/VS COBOL COMPILER & LIBRARY LISTINGS - PROG NOS.
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**LY28-6425 IBM OS/VS COBOL SUBROUTINE LIBRARY PROGRAM LOGIC
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**SC28-6483 IBM OS/VS COBOL COMPILER AND LIBRARY PROGRAMMER'S GUIDE
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**ST28-6483 OS/VS COBOL COMPILER & LIBRARY R1 (SC28-6483-0)
**LY28-6486 IBM OS/VS COBOL COMPILER PROGRAM LOGIC PROGRAM NUMBERS:
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**SH20-1761 COBOL PROGRAM TRANSLATOR FOR DOS AND DOS/VS IUP 5796-PFB,
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**LY20-2204 COBOL PROGRAM TRANSLATION FOR DOS AND DOS/VS IUP 5796-PFB
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**LY20-2205 COBOL PROGRAM TRANSLATOR FOR OS OS/VS1 AND VM/370
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GC28-6435 IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) COBOL
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SC28-6469 IBM VM/370 CMS USER'S GUIDE FOR COBOL, PROG. NOS. 5734-CB2,
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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

SC28-6859 CODE AND GO FORTRAN PROCESSOR FOR OS & VM/370 (CMS): INSTALLATION REFERENCE MATERIAL, PROG. NO. 5734-FO1

LY28-6846 CODE AND GO FORTRAN PROCESSOR FOR OS & VM/370 (CMS): PROGRAM LOGIC, PROG. NO. 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

**SH20-1727 FORTRAN CONVERSION AID, IUP 5796-PFG, DESCRIPTION/OPERATION

**LY20-2199 FORTRAN CONVERSION AID, IUP 5796-PFG SYSTEMS GUIDE

GC28-6854 FORTRAN IV (G1) PROCESSOR FOR OS & VM/370 (CMS): PROG. PROD. 5734-FO2 SPECIFICATIONS

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

LYC7-5021 SYSTEM/360 OPERATING SYSTEM FORTRAN IV (G1) COMPILER MICROFICHE LISTINGS, PROG. PROD. 5734-FO2

LY28-6856 FORTRAN IV (G1) COMPILER FOR OS & VM/370 (CMS): PROGRAM LOGIC, PROG. NO. 5734-FO2

GC28-6862 IBM SYSTEM/360 OPERATING SYSTEM: FORTRAN IV (H EXTENDED) COMPILER PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5734-FO3

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 FORTRAN IV (H EXTENDED) COMPILER AND FORTRAN LIBRARY (MOD II) FOR OS & VM/370 (CMS): INSTALLATION REFERENCE MATERIAL, PROG. NOS. 5734-FO3, 5734-LM3

SC28-6865 IBM OS FORTRAN IV (H EXTENDED) COMPILER AND LIBRARY (MOD II) MESSAGES, PROG. NOS. 5734-FO3, 5734-LM3

LY28-6403 IBM SYSTEM/360 OPERATING SYSTEM: FORTRAN IV (H EXTENDED) COMPILER, PROGRAM LOGIC MANUAL, PROGRAM NUMBER 5734-FO3

LYC7-5019 IBM SYSTEM/360/370 FORTRAN IV H EXTENDED COMPILER - LISTINGS, 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

SC28-6885 FORTRAN INTERACTIVE DEBUG FOR OS (TSO) & VM/370 (CMS): TERMINAL USER'S GUIDE, PROG. NO. 5734-FO5

SC28-6886 FORTRAN INTERACTIVE DEBUG FOR OS (TSO) & VM/370 (CMS): INSTALLATION REFERENCE MATERIAL, PROG. NO. 5734-FO5

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

**SH20-1923 FORTRAN INTERACTIVE SUBROUTINE LIBRARY - IUP 5796-PHT, DESCRIPTION/OPERATIONS

**LY20-2280 FORTRAN INTERACTIVE SUBROUTINE LIBRARY - IUP 5796-PHT, SYSTEM GUIDE

**G320-5729 FORTRAN INTERACTIVE SUBROUTINE LIBRARY, IUP 5796-PHT, NOTICE

GC28-6844 IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV LIBRARY MOD 1 DESIGN OBJECTIVES - PROGRAM NUMBER 5734-LM1

SC28-6858 FORTRAN IV LIBRARY (MOD I) FOR OS & VM/370 (CMS): INSTALLATION REFERENCE MATERIAL, PROGRAM NUMBER 5734-LM1

SC28-6864 FORTRAN IV MATHEMATICAL AND SERVICE SUBPROGRAMS: SUPPLEMENT FOR MOD I & MOD II LIBRARIES, PROG. NOS. 5734-LM1, 5734-LM3

GC28-6894 FORTRAN IV LIBRARY (MOD I) FOR OS & VM/370 (CMS), PROG. PROD. 5734-LM1 FUNCTIONAL DESCRIPTION

LYC7-5022 OS 360/370 FORTRAN IV LIBR. MOD I LISTING, P.P. NO. 5734-LM1

LY28-6408 FORTRAN IV LIBRARY (MOD I) FOR OS & VM/370 (CMS): PROGRAM LOGIC MANUAL, PROGRAM NUMBER 5734-LM1

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

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**G320-5746 TSO/MSS ARCHIVER RELEASE NOTICE, IUP 5796-AJK
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**SB21-1988 TSO PROGRAMMING CONTROL FACILITY - II
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GH20-1638 TSO - 3270 STRUCTURED PROGRAMMING FACILITY (SPF),
GENERAL INFORMATION - PROGRAM NO. 5740-XT2
SH20-1730 TSO-3270 STRUCTURED PROGRAMMING FACILITY (SPF)
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****SH20-1873** VS APL FOR TSO, IUP 5796-ALB, DESCRIPTION/OPERATIONS
****LY20-2255** VS APL FOR TSO, IUP 5796-ALB
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****SH20-9071** VS PERSONAL COMPUTING (VSPC)
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****SH20-9073** VS PERSONAL COMPUTING (VSPC) TERMINALS
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****GH20-9078** DOS/V S VS PERSONAL COMPUTING (VSPC) PROG PROD
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****GH20-9114** VSTTSIO SPECIFICATIONS, PROG PROD 5740-XR9
****SH20-1569** FULL SCREEN 3270 SUPPORT FOR PL/I AND ASSEMBLER APPLICATION
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****LY20-2090** 3270 FULL SCREEN SUPPORT FOR PL/I AND ASSEMBLER APPLICATION
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****G320-8114** 3270 SUPPORT UNDER TSO, IUP 5796-AGH, NOTICE

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****GB21-2084** CONSOLE SPOOLING UNDER POWER/V S, FDP 5798-CPQ, NOTICE
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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

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

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 SX28-6814 IBM SYSTEM/360 OS/DOS ITF: BASIC, REFERENCE CARD, PROG. NOS.
 5734-RC3 AND 5736-RC2
 LY28-6836 IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC
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LYC7-5015 DOS ITF RELEASE II - BASIC ASSEMBLY LISTINGS - MICROFICHE
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GC28-6897 OS INTERACTIVE TERMINAL FACILITY: PL/I AND BASIC - PROG.
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GH20-9056 IBM SYSTEM/360 DISK OPERATING SYSTEM INTERACTIVE TERMINAL
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PROG. PRODS. 5736-RC1 AND 5736-RC2
SC28-6833 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
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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
PROGRAM NUMBERS 5734-RC1, 5736-RC1
LY28-6835 IBM SYSTEM/360 OS/DOS ITF PL/I PROGRAM LOGIC
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LYC7-5016 IBM OS/360 ITF PL/I LISTINGS, PROG. PROD. 5734-RC1
LYC7-5013 IBM DOS/360 ITF PL/I, LISTINGS - PROG. PROD. 5736-RC1

34 System Planning, Generation

SC28-6836 IBM SYSTEM/360 OS/DOS ITF INSTALLATION REFERENCE MATERIAL
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36 Control Program

LY28-6832 IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC INTRODUCTION AND
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LY28-6833 IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC
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LYC7-5017 IBM OS/360 ITF SHARED - PROG. PROD. 5734-RC1/RC3

39 Time Sharing

SC28-6838 IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION)
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LY28-6842 IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION)
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LYC7-5035 TSO ITF (SHARED) LISTINGS, PROG. NOS. 5734-RC2, RC4

79 Cross-Industry (see also 82)

GH20-1027 STAT/BASIC FOR SYSTEM/3 MODEL 6, ITF, AND VM/370-CMS:
GENERAL INFORMATION, PROG. NOS. 5703-XA1, 5734-XA3
SH20-1069 STAT/BASIC FOR SYSTEM/3 MODEL 6, ITF, AND VM/370-CMS:
PROGRAM REFERENCE - PROGRAM NUMBERS 5703-XA1, 5734-XA3

SH20-1070 STAT/BASIC FOR ITF AND VM/370-CMS: OPERATIONS GUIDE,
PROGRAM NUMBER 5734-XA3
GH20-4139 STAT/BASIC, PROG. PROD. 5734-XA3 SPECIFICATIONS
LY20-0728 STAT/BASIC FOR ITF AND VM/370 - CMS: LOGIC MANUAL,
FEATURE NUMBER 8100 - PROGRAM NUMBER 5734-XA3

82 Cross-Industry - Mathematics and Science

GH20-1175 BUSINESS ANALYSIS/BASIC GENERAL INFORMATION MANUAL, PROG.
NOS. 5703-XM3 (SYSTEM/3 MODEL 6) AND 5734-XMB (ITF-OS/DOS/
TSO AND VM/370-CMS)
SH20-1262 BUSINESS ANALYSIS/BASIC FOR ITF AND VM/370-CMS OPERATIONS
GUIDE, PROG. NO. 5734-XMB
SH20-1264 BUSINESS ANALYSIS/BASIC PROGRAM REFERENCE MANUAL, PROG. NOS.
5703-XM4 (S/3 MOD 6), 5734-XMB (ITF-OS/DOS/TSO & VM/370-CMS)
GH20-4326 BUSINESS ANALYSIS/BASIC FOR SYSTEM/3 MODEL 6, ITF (OS, DOS,
TSO), AND VM/370-CMS: SPECIFICATIONS, PROG. NOS. 5703-XM3
AND 5734-XMB
LY20-0840 BUSINESS ANALYSIS/BASIC LOGIC MANUAL, PROG. NOS. 5703-XM3
(SYSTEM/3 MODEL 6) AND 5734-XMB (ITF-OS/DOS/TSO, VM/370-CMS)
GH20-1128 MATH/BASIC FOR SYSTEM/3 MODEL 6, ITF, AND VM/370-CMS GENERAL
INFORMATION MANUAL, PROG. NOS. 5703-XM2 (SYSTEM/3) AND
5734-XM8 (ITF AND VM/370-CMS)
SH20-1157 MATH/BASIC FOR ITF AND VM/370-CMS: OPERATIONS GUIDE,
PROGRAM NUMBER 5734-XM8
SH20-1158 MATH/BASIC FOR SYSTEM/3 MODEL 6. ITF AND VM/370-CMS PROGRAM
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GH20-4308 MATH/BASIC FOR SYSTEM/3 MODEL 6, ITF (OS, DOS, TSO), AND
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LY20-0804 MATH/BASIC FOR SYSTEM/3 MODEL 6, ITF, AND VM/370-CMS: LOGIC
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VM/370-CMS); FEATURE NOS. 8017, 8153

OTHER SUPPLEMENTARY INFORMATION (85-99)

85 General and Introductory References

**SR20-4513 ADVANCED FUNCTION NCP DATA FLOW - COURSE CODE S3851
SC20-1646 A PROGRAMMER'S INTRODUCTION TO IBM SYSTEM/360 ASSEMBLER
LANGUAGE: STUDENT TEXT
**SC28-8310 B IS FOR BASIC AN INTRODUCTION TO VS BASIC UNDER CMS
PROG. NO. 5748-XX1
**SC28-8300 B IS FOR BASIC: AN INTRODUCTION TO VS BASIC UNDER CMS
PROG. NO. 5748-XX1
SR20-4438 CMS FOR PROGRAMMERS -- A PRIMER: (VM/370) TERMINAL-ORIENTED
SELF-STUDY TEXT
GC20-8096 INTRODUCTION TO DATA MANAGEMENT STUDENT TEXT
GC20-1684 INTRODUCTION TO IBM DATA PROCESSING SYSTEMS: STUDENT TEXT
GC20-1699 DATA PROCESSING GLOSSARY
GC20-1649 INTRODUCTION TO IBM DIRECT-ACCESS STORAGE DEVICES AND
ORGANIZATION METHODS: STUDENT TEXT
GB21-9949 IBM CUSTOMER INFORMATION FDP/IUP REFERENCE SUMMARY
**GX20-2005 HEXADEcimal ARITHMETIC REFERENCE SUMMARY
**S320-5767 IMS/VS PRIMER
**S320-5768 IMS/VS PRIMER APPENDIXES
**S320-5769 IMS/VS PRIMER OPERATING GUIDES - PROG PROD 5740-XX2
G320-1621 IBM MARKETING PUBLICATIONS KWIC INDEX
**GX21-9101 SPECIFICATIONS FOR MAGNETIC CHARACTER READERS
**GX24-6599 MULTIPLE CARD LAYOUT FORM - 80 COLUMN
GC20-1618 NUMBER SYSTEMS - STUDENT TEXT
GC20-1663 OS (& OS/VS) DEVELOPMENT SUPPORT LIBRARIES: INSTALLATION
MANAGEMENT TEXT
SC20-1651 A GUIDE TO PL/I FOR COMMERCIAL PROGRAMMERS (STUDENT TEXT)
SC20-1637 A GUIDE TO PL/I FOR FORTRAN USERS: STUDENT TEXT
SC28-6808 A PL/I PRIMER: STUDENT TEXT
GE20-0312 PREFACE TO PL/I PROGRAMMING IN SCIENTIFIC COMPUTING
GC28-6794 GUIDE TO PL/S II
**GB21-9879 CATALOG OF PRODUCTIVITY AID PROGRAMS
**SR20-4452 IBM TERMINALS SELF-STUDY TEXT
**GX33-8500 RECORD LAYOUT
GH20-1628 A GUIDE TO TESTING IN A COMPLEX SYSTEM ENVIRONMENT
SR20-4193 TSO COMMAND LANGUAGE FOR APPLICATION PROGRAMMERS - A PRIMER
TERMINAL-ORIENTED SELF-STUDY TEXT
SR20-4194 TSO COMMAND LANGUAGE FOR ADMINISTRATIVE APPLICATIONS
A PRIMER: TERMINAL-ORIENTED SELF-STUDY TEXT
GR20-4260 INTRODUCTION TO VIRTUAL STORAGE IN SYSTEM/370 STUDENT TEXT
**GX27-2910 IBM 2795/2796/2797 OPERATING INSTRUCTIONS - FORM
**GX20-1981 3275/3277 PROGRAM FUNCTION KEY TEMPLATE
**SR20-4544 IBM 3704 AND 3705 COMMUNICATIONS CONTROLLERS HARDWARE
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**SR20-4546 3704, 3705 COMMUNICATIONS CONTROLLERS EMULATION PROGRAMMING
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**SR20-4547 3704 AND 3705 COMMUNICATIONS CONTROLLERS EMULATION DATA FLOW
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**GX26-1652 IBM 3800 PRINTING SUBSYSTEM - PRINT LINE AND
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**GX27-2918 IBM 3770 DATA COMMUNICATION SYSTEM ERROR LOG OVERLAY
GA32-0023 IBM 3803/3420 CUSTOMER CONVERSION GUIDE

87 Education - Course Catalogs

G320-1244 CUSTOMER EDUCATION COURSE CATALOG

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
GX28-1464 COBOL CODING FORM
**GX20-2325 EPIC: FAST - GROUP NAME SHEET - PROG PROD 5735-E92
GX20-8020 FLOWCHARTING TEMPLATE
GX20-8021 FLOWCHARTING WORKSHEET
GX28-7327 FORTRAN CODING FORM
GX20-1701 GENERAL PURPOSE SYSTEMS SIMULATOR CODING FORM
PROG. NOS. 5734-XS1, XS2, 5736-XS1, XS3, 360A-CS-17X, 19X
GX20-1761 MATHEMATICAL PROGRAMMING INPUT FORM
SYSTEM/360 - 1130
GX24-5101 OS/VS1 TRACE TABLE OVERLAY
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
GX21-9094 RPG INPUT SPECIFICATIONS FORM
GX21-9090 RPG OUTPUT-FORMAT SPECIFICATIONS (FORM)
GX24-3285 IBM 1030 DATA COLLECTION SYSTEM, IBM 1031 PROGRAM CHART
GX24-3092 IBM 1050 DATA COMMUNICATIONS SYSTEM
TRANSMISSION - LIMITED MAXIMUM-MESSAGE-RATE GRAPH
GX24-3124 PLANNING CHART, IBM 1050 DATA COMMUNICATION SYSTEM
GX24-3139 IBM 1050 DATA COMMUNICATION SYSTEM,
OPERATOR INSTRUCTION SHEET
GX21-9011 IBM 1062 PROGRAM TAPE LAYOUT SHEET
GX27-2950 2250 DISPLAY LAYOUT SHEET
GX20-1751 IBM 2260 DISPLAY FORMAT
GX27-2901 IMAGE PLANNING CHART - 2760 OPTICAL IMAGE UNIT, REGISTRATION
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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
GX20-1816 150/10/6 PRINT CHART
GX20-1818 150/10/8 PRINT CHART
GX27-2951 IBM 3270 INFORMATION DISPLAY SYSTEM LAYOUT SHEET
GX21-9186 IBM 3740 JOB INSTRUCTIONS FORM
GX21-9187 IBM 3740 SYSTEM PRINT CHART
GX21-9185 IBM 3747 DATA CONVERTER RUN SHEET
GX26-3713 IBM 3800 PRINTING SUBSYSTEM CHARACTER DESIGN AND CODING FORM

95 EWS (Early Warning System)

NOTE: EWS, published on microfiche, contains information useful in program support and problem determination. Automatic updating is available through SLSS (order-number subscription only).

**S2C0-0021 DOS/VS EARLY WARNING MICROFICHE
**S2C0-0031 EARLY WARNING MICROFICHE - OS/VS
**S2C0-0051 MICROFICHE - EARLY WARNING
2025 AND LARGER FILE CARD
**S2C0-0351 EARLY WARNING, UNIQUE WORLD TRADE, GENERAL INFORMATION
**S2C0-2003 WORLD TRADE EARLY WARNING PROGRAMMING SYSTEMS

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 SVS
**SBOF-2251 PTF FOR OS/VS2 MVS
**SBOF-6375 PTF PROGRAM NUMBER 370N-AS 465 ASSEMBLER
BASIC MODULES FOR 370 DOS
**SBOF-6376 PTF PROGRAM NUMBER 370N-CL-453
SYS. CONT. AND BASIC IOCS FOR 370 DOS
**SBOF-6377 PTF PROGRAM NUMBER 370N-CQ-469
BTAM FOR 370 DOS
**SBOF-6378 PTF PROGRAM NUMBER 370N-CQ-470
QTAM FOR 370 DOS

SBOF-6379 PTF PROGRAM NUMBER 370N-DN-481
ON LINE TEST EXEC. PROG. FOR 370 DOS
SBOF-6380 PTF PROGRAM NUMBER 370N-EU-490
EMULATOR FOR 370 DOS
SBOF-6381 PTF PROGRAM NUMBER 370N-IO-454
DIRECT ACCESS METHOD FOR 370 DOS
SBOF-6382 PTF PROGRAM NUMBER 370N-IO-455
CONSECUTIVE DISK IOCS FOR 370 DOS
SBOF-6383 PTF PROGRAM NUMBER 370N-IO-456
CONSECUTIVE TAPE IOCS FOR 370 DOS
SBOF-6384 PTF PROGRAM NUMBER 370N-IO-457
ISFMS FOR 370 DOS
SBOF-6385 PTF PROGRAM NUMBER 370N-IO-458
CONSECUTIVE PT IOCS FOR 370 DOS
SBOF-6386 PTF PROGRAM NUMBER 370N-IO-476, COMPILER I/O MODULES FOR
370 DOS
SBOF-6387 PTF PROGRAM NUMBER 370N-IO-477
1259/1412/1419 MICR IOCS FOR 370 DOS
SBOF-6388 PTF PROGRAM NUMBER 370N-IO-478
OPTICAL CHARACTER READER FOR 370 DOS
SBOF-6389 PTF PROGRAM NUMBER 370N-CQ-493
3735 TERMINAL SUPPORT FOR 370 DOS
SBOF-6390 PTF PROGRAM NUMBER 370N-UT-491
SYSTEM UTILITY PROGRAM FOR 370 DOS
SBOF-6391 PTF PROGRAM NUMBER 370N-UT-492
EREP FOR 370 DOS
SBOF-6392 PTF PROGRAM NUMBER 370N-SV-495
2311/2314/3330 SUPERVISOR FOR 370 DOS
SBOF-6393 M20 EMULATOR VERSION 4 PTF S - PROG. NO. 370N-IC-002
SBOF-6400 PTF LISTINGS FOR OS/VS1
SBOF-6401 DOS PTF - PROGRAM NUMBER 5744-AS1
SBOF-6402 155, 158/7074 EMUL PTF PROGRAM NUMBER 5744-AJ1
SBOF-6403 165, 168/7080 EMULATOR - PTF PROGRAM NUMBER 5744-AL1
SBOF-6404 165, 168/7094 EMULATOR - PTF PROGRAM NUMBER 5744-AM1
SBOF-6405 165, 168/7074 EMULATOR
PTF LISTINGS FOR PROGRAM NO. 5744-AK1
SBOF-6407 EMULATOR PTF PROGRAM 5744-AH1
SBOF-6440 PTFS FOR DOS/VS 14XX LISTINGS, SCP COMPONENTS 5745-SC-EML,
5745-SC-E20
LYB0-8033 PTF NO. 5740-XX2-C-0004 FOR INFORMATION MANAGEMENT SYSTEM/
VIRTUAL STORAGE IMS/VS DATA BASE LISTINGS - VOLUME 3
LYB0-8034 PTF NO. 5740-XX2-C-004F FOR INFORMATION MANAGEMENT SYSTEM/
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VOLUME 4
LYB0-8035 PTF NO. 5740-XX2-C-004F FOR INFORMATION MANAGEMENT SYSTEM/
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**SJB2-9002 OS/VS1 REL 5 SMP 5741-VS1 PROGRAM LISTINGS
**SJB6-6001 OS/VS1 ANALYSIS PROGRAM 1 AP-1 , SCP 5741-VS1
**SJB6-6004 OS/VS1 ANALYSIS PROGRAM 1 AP-1 LISTINGS - SCP COMPONENT
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SJD2-2001 IOS 5741-SC1-C3 VS1 LISTING
SJD2-2002 SUPERVISOR OS/VS1 MICROFICHE LISTING - COMPONENT
5741-SC1-C5
SJD2-2003 MAPPING MACROS OS/VS1 COMPONENT NO. 5741-SC1-01
**SJD2-2009 SCHEDULER-SMF 5741-SC1-00 VS1 LISTING
SJD2-2010 UNIT RCD ERP OS/VS1 MICROFICHE LISTING - COMPONENT
5741-SC1-CB
SJD2-2014 JECS 5741-SC1-B0 VS1 LISTING
SJD2-2015 I/P STREAM CTL OS/VS1 MICROFICHE LISTING - COMPONENT
5741-SC1-B1
SJD2-2016 O/P STREAM CTL OS/VS1 MICROFICHE LISTING - PROGRAM
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 SWADS MANAGER 5741-SC1-B5 VS1 LISTING
SJD2-2020 INITIATOR OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-B6
SJD2-2021 TERMINATION OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-B7
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5741-SC1-B8
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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 5741-SC1-BG VS1 LISTING
SJD2-2028 IMCJOBQD 5741-SC1-17 VS1 LISTING
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 SYSTEM ASSEMBLER COMPONENT NO. 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 5741-SC1-15 VS1 LISTING
SJD2-2045 HMAPTFLE 5741-SC1-16 VS1 LISTING
SJD2-2046 OLTEP OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-06
SJD2-2048 IEHLIST MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-U2
SJD2-2049 OS/VS1 BTAM LISTINGS, SCP COMPONENT 5741-SC1-20
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
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
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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
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SJD2-2067 DASD ERP OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-CA
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5741-SC1-04
SJD2-2069 LOADER OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
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SJD2-2076 HMBLIST OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-14
SJD2-2077 IBCDMPRS 5741-SC1-I0 VS1 LISTING
SJD2-2078 IBCDASDI MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-I1
**SJD2-2079 ICAPRTBL 5741-SC1-I2 VS1 LISTING
SJD2-2080 IEHDASDR OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-U0
**SJD2-2081 IEHIOSUP 5741-SC1-U1 VS1 LISTING
SJD2-2082 IEHATLAS OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-UF
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5741-SC1-0A
SJD2-2085 IEBCOPY 5741-SC1-U6 VS1 LISTING
SJD2-2086 OS/VS1 COMPONENT NO. 5741-SC1-U7, IEBGENER, LISTINGS
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5741-SC1-U8
SJD2-2088 IEBPTPCH OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-UA
SJD2-2089 OS/VS1 COMPONENT NO. 5741-SC1-UK, IEBCOMPR LISTINGS
SJD2-2090 IEBISAM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-UH
SJD2-2091 IEBDG OS/VS1 MICROFICHE LISTING
5741-SC1-UJ
SJD2-2092 IEHMOVE OS/VS1 MICROFICHE LISTING
5741-SC1-UC
SJD2-2094 SMF OS/VS1 MICROFICHE LISTING
COMPONENT NUMBER - 5741-SC1-02
SJD2-2096 OS/VS1 COMPONENT, NO. 5741-SC1-U3, IEHPROGM LISTINGS
SJD2-2097 OS/VS1 COMPONENT NO. 5741-SC1-UD IEHINITT, LISTINGS
SJD2-2098 OS/VS1 COMPONENT NO. 5741-SC1-UE, IEHSTATR LISTINGS
SJD2-2099 CATALOG OS/VS1 MICROFICHE LISTING
5741-SC1-D3

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SJD2-2102 IEBEDIT 5741-SC1-U9 VS1 LISTING
SJD2-2105 RES 5741-SC1-BB VS1 LISTING
SJD2-2106 HMDPRDMP EDIT 5741-SC1-18 VS1 LISTING
SJD2-2107 RES ACCT FACILITY 5741-SC1-BC VS1 LISTING
SJD2-2108 3505/3525 RDR/PCH 5741-SC1-DD VS1 LISTING
SJD2-2110 EX F/P SIMULATOR 5741-SC1-CP VS1 LISTING
SJD2-2111 NIP OS/VS1 LISTING, SCP COMPONENT 5741-SC1-C8
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SJD2-2116 3886 OCR 5741-SC1-DL VS1 LISTING
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**SJD2-2119 DSS 5741-SC1-10 VS1 LISTING
**SJD2-2120 HMASMP 5741-SC1-30 VS1 LISTING
**SJD2-2121 POWER WARNING FEATURE 5741-SC1-0E VS1 LISTING
**SJD2-2122 ISSP 5741-SC1-BK VS1 LISTING
**SJD2-2124 TCAM 5741-SC1-21 VS1 LISTING
**SJD2-2126 3600 HOST SUPPORT 5741-SC1-24 VS1 LISTING
**SJD2-2128 SYSGEN 5741-SC1-S1 VS1 LISTING
**SJD2-2129 IMCOSJQD 5741-SC1-19 VS1 LISTING
SJD2-2131 OS/VS1 3540 DISKETTE SUPPORT - SCP COMPONENT 5741-SC1-DN
**SJD2-2132 MSSC 5741-SC1-DP VS1 LISTING
SJD2-2133 SSS HOST SUPPORT 5741-SC1-SSS VS1 LISTING
**SJD2-2134 TOLTEP 5741-SC1-0C VS1 LISTING
**SJD2-2135 3540-DISKETTE 5741-SC1-BL VS1 LISTING
SJD2-2138 AP-1 5741-SC1-31 VS1 LISTING
**SJD2-2139 DSM ERP 5741-SC1-CI VS1 LISTING
**SJD2-2140 JOB LIST MGR 5741-SC1-BJ VS1 LISTING
**SJD2-2141 MSCTC 5741-SC1-DQ VS1 LISTING
**SJD2-2142 MSVC 5741-SC1-DR VS1 LISTING
**SJD2-2143 MSSDA 5741-SC1-DS VS1 LISTING
**SJD2-2144 TRACE 5741-SC1-DT VS1 LISTING
**SJD2-2145 SERV 5741-SC1-DU VS1 LISTING
SJD2-2146 OS/VS1 GENERAL INDEX NEW IN REL. 05.0 - SCP COMPONENT
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**SJD2-2147 COMPONENT INDEX 5741-SC1-ZZ VS1 LISTING
 5741-SC1-ZZ
**SJD2-2148 MSS RECOVERY MGMT 5741-SC1-BZ VS1 LISTING
**SJD2-2149 IEBIMAGE 5741-SC1-UM VS1 LISTING
**SJD2-2150 OS/VS1 REL 050 - OBR/EREP/RDE
**SJD2-2160 OS/VS1 REL 601 - OBR/EREP
**SJD2-2161 OS/VS1 TCAM 10 SUID 5741-602 MICROFICHE LISTINGS
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**SJD2-2163 OS/VS1 SELECTABLE UNIT 604 MICROFICHE SUID 5741-604
**SJD2-2164 OS/VS1 SELECTABLE UNIT 605 MICROFICHE SUID 5741-605
**SJD2-2165 OS/VS1 SELECTABLE UNIT 606 MICROFICHE SUID 5741-606
**SJD2-2178 OS/VS1 SELECTABLE UNIT 619 MICROFICHE, SUID 5741-619
**SJD2-2181 OS/VS1 SELECTABLE UNIT 622 MICROFICHE SUID 5741-622
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**ST00-5158 REL 4,5 IEBISAM 5741-SC1-UH VS1 LISTING SJD2-2090-3
**ST00-5170 REL 4,5 RES ACCT FACILITY 5741-SC1-BC VS1 LISTING
 SJD2-2107-1
ST00-5301 REL 4 IPL 5741-SC1-C1 VS1 LISTING SJD2-2000-4
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ST00-5304 REL 4 MAPPING MACROS 5741-SC1-01 VS1 LISTING SJD2-2003-2
ST00-5305 REL 4 SCHEDULER-SMF 5741-SC1-00 VS1 LISTING SJD2-2009-5
**ST00-5306 REL 4 JECS 5741-SC1-B0 VS1 LISTING SJD2-2014-5
ST00-5307 REL 4 I/P STREAM CTL 5741-SC1-B1 VS1 LISTING SJD2-2015-5
ST00-5308 REL 4 O/P STREAM CTL 5741-SC1-B2 VS1 LISTING SJD2-2016-5
ST00-5309 REL 4 SYSTEM RESTART 5741-SC1-B3 VS1 LISTING SDJ2-2017-5
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ST00-5310 REL 4 ALLOCATION 5741-SC1-B4 VS1 LISTING SJD2-2018-5
ST00-5311 REL 4 SWADS MANAGER 5741-SC1-B5 VS1 LISTING SJD2-2019
ST00-5312 REL 4 INITIATOR 5741-SC1-B6 VS1 LISTING SJD2-2020-5
ST00-5313 REL 4 TERMINATION 5741-SC1-B7 VS1 LISTING SJD2-2021-5
ST00-5314 REL 4 COMMANDS 5741-SC1-B8 VS1 LISTING SJD2-2022-5
ST00-5315 REL 4 INTERPRETER 5741-SC1-B9 VS1 LISTING SJD2-2023-5
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ST00-5317 REL 4 SYSTEM LOG 5741-SC1-BE VS1 LISTING SJD2-2025-5
**ST00-5318 REL 4 WTP 5741-SC1-BF VS1 LISTING SJD2-2026-4

ST00-5319 REL 4 MSI 5741-SC1-BG VS1 LISTING SJD2-2027-4
ST00-5320 REL 4 HMASPZAP 5741-SC1-12 VS1 LISTING SJD2-2042-5
ST00-5321 REL 4 OCR 5741-SC1-D5 VS1 LISTING SJD2-2051-4
ST00-5322 REL 4 IEBTCRIN 5741-SC1-UG VS1 LISTING SJD2-2053-3
**ST00-5323 REL 4 PAM 5741-SC1-D2 VS1 LISTING SJD2-2059-5
ST00-5324 REL 4 DASD-ERP 5741-SC1-CA VS1 LISTING SJD2-2067-3
ST00-5325 REL 4 LINKAGE EDITOR 5741-SC1-04 VS1 LISTING SJD2-2068-5
ST00-5326 REL 4 IBCDMPRS 5741-SC1-IO VS1 LISTING SJD2-2077-4
ST00-5327 REL 4 IBCDASDI 5741-SC1-I1 VS1 LISTING SJD2-2078-4
ST00-5328 REL 4 IEHIOSUP 5741-SC1-U1 VS1 LISTING SJD2-2081-1
ST00-5329 REL 4 IEHATLAS 5741-SC1-UF VS1 LISTING SJD2-2082-3
ST00-5330 REL 4 IEHSTATR 5741-SC1-UE VS1 LISTING SJD2-2098-4
ST00-5331 REL 4 PASSWORD PROTECT 5741-SC1-DC VS1 LISTING
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ST00-5332 REL 4 IEBEDIT 5741-SC1-U9 VS1 LISTING SJD2-2102-2
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ST00-5335 REL 4 NIP 5741-SC1-C8 VS1 LISTING SJD2-2111-4
ST00-5336 REL 4 VTAM 5741-SC1-23 VS1 LISTING SJD2-2113-1
ST00-5337 REL 4 3890 DOC PROC 5741-SC1-DF VS1 LISTING SJD2-2115-2
ST00-5338 REL 4 3886 OCR 5741-SC1-DL VS1 LISTING SJD2-2116-2
ST00-5339 REL 4 ISSP 5741-SC1-BK VS1 LISTING SJD2-2122-2
ST00-5340 REL 4 IMCOSJQD 5741-SC1-19 VS1 LISTING SJD2-2129-2
ST00-5341 REL 4 3540 DISKETTE 5741-SC1-DN SJD2-2131-0
ST00-5342 REL 4 TOLTEP 5741-SC1-0C VS1 LISTING SJD2-2134-0
ST00-5343 REL 4 DSM ERP 5741-SC1-CI VS1 LISTING SJD2-2139-0
ST00-5344 REL 4 JOB LIST MGR 5741-SC1-BJ VS1 LISTING SJD2-2140-2
ST00-5345 REL 4 MSCTC 5741-SC1-DQ VS1 LISTING SJD2-2141-0
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**ST00-5349 REL 4 FETCH 5741-SC1-C7 VS1 LISTING SJD2-2055-5
**ST00-5350 REL 4 TRACE 5741-SC1-DT VS1 LISTING SJD2-2144-0
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**ST00-5365 REL 5 IPL 5741-SC1-C1 VS1 LISTING SJD2-2000-5
**ST00-5366 REL 5 JECS 5741-SC1-B0 VS1 LISTING SJD2-2014-6
**ST00-5367 REL 5 INPUT STREAM CTL 5741-SC1-B1 VS1 LISTING SJD2-2015-6
**ST00-5368 REL 5 O/P STREAM CTL 5741-SC1-B2 VS1 LISTING SJD2-2016-6
**ST00-5369 REL 5 SYSTEM RESTART 5741-SC1-B3 VS1 LISTING SJD2-2017-6
**ST00-5370 REL 5 SWADS MANAGER 5741-SC1-B5 VS1 LISTING SJD2-2019-6
**ST00-5371 REL 5 TERMINATION 5741-SC1-B7 VS1 LISTING SJD2-2021-6
**ST00-5372 REL 5 COMMANDS 5741-SC1-B8 VS1 LISTING SJD2-2022-6
**ST00-5373 REL 5 INTERPRETER 5741-SC1-B9 VS1 LISTING SJD2-2023-6
**ST00-5374 REL 5 WTP 5741-SC1-BF VS1 LISTING SJD2-2026-5
**ST00-5375 REL 4, 5 GTF 5741-SC1-11 VS1 LISTING SJD2-2041-4
**ST00-5376 REL 5 HMASPZAP 5741-SC1-12 VS1 LISTING SJD2-2042-6
**ST00-5379 REL 4, 5 HMAPTFLE 5741-SC1-16 VS1 LISTING SJD2-2045-3
**ST00-5380 REL 4, 5 OLTEP 5741-SC1-06, VS1 LISTING SJD2-2046-4
**ST00-5381 REL 5 FETCH 5741-SC1-C7 VS1 LISTING SJD2-2055-6
**ST00-5382 REL 5 IEHATLAS 5741-SC1-UF VS1 LISTING SJD2-2082-4
**ST00-5384 REL 5 IEBEDIT 5741-SC1-U9 VS1 LISTING SJD2-2102-3
**ST00-5385 REL 4, 5 HMDPRDMP EDIT 5741-SC1-18 VS1 LISTING SJD2-2106-3
**ST00-5386 REL 5 3890 DOC PROC 5741-SC1-DF VS1 LISTING SJD2-2115-3
**ST00-5387 REL 4, 5 HMASMP 5741-SC1-30 VS1 LISTING SJD2-2120-1
**ST00-5388 REL 4, 5 POWER WARNING FEATURE 5741-SC1-0E VS1 LISTING
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**ST00-5389 REL 5 ISSP 5741-SC1-BK VS1 LISTING SJD2-2122-3
**ST00-5390 REL 5 IMCOSJQD 5741-SC1-19 VS1 LISTING SJD2-2129-3
**ST00-5391 REL 5 3540 DISKETTE 5741-SC1-DN VS1 LISTING SJD2-2131-1
**ST00-5392 REL 5 DSM ERP 5741-SC1-C1 VS1 LISTING SJD2-2139-1
**ST00-5393 REL 5 JOB LIST MGR 5741-SC1-BJ VS1 LISTING SJD2-2140-3
**ST00-5400 REL 4, 5 HMBLIST 5741-SC1-14 VS1 LISTING SJD2-2076-3
**ST00-5401 REL 4, 5 CRJE 5741-SC1-0A VS1 LISTING SJD2-2084-4
**ST00-5402 REL 4, 5 TAPE ERP/VES 5741-SC1-CC VS1 LISTING SJD2-2101-5
**ST00-5403 REL 5 RES 5741-SC1-BB VS1 LISTING SJD2-2105-5
**ST00-5404 REL 4, 5 3505/3525 RDR/PCH 5741-SC1-DD VS1 LISTING
SJD2-2108-3
**ST00-5405 REL 5 NIP 5741-SC1-C8 VS1 LISTING SJD2-2111-5
**ST00-5406 REL 4, 5 TCAM 5741-SC1-21 VS1 LISTING SJD2-2124-1
**ST00-5407 REL 4, 5 SYSGEN 5741-SC1-S1 VS1 LISTING SJD2-2128-1
**ST00-5408 REL 4, 5 MSSC 5741-SC1-DP VS1 LISTING SJD2-2132-0
**ST00-5409 REL 5 MSCTC 5741-SC1-DQ VS1 LISTING SJD2-2141-1
**ST00-5410 REL 4, 5 MSVC 5741-SC1-DR VS1 LISTING SJD2-2142-0
**ST00-5411 REL 5 MSSDA 5741-SC1-DS VS1 LISTING SJD2-2143-1
**ST00-5412 REL 5 TRACE 5741-SC1-DT VS1 LISTING SJD2-2144-1
**ST00-5413 REL 5 MSS RECOVERY MGMT SC1-BZ VS1 LISTING SJD2-2148-0
**ST00-5416 REL 5 PAM 5741-SC1-D2 VS1 LISTING SJD2-2059-6
**ST00-5417 REL 5 DASD - ERP 5741-SC1-CA VS1 LISTING SJD2-2067-4
**ST00-5418 REL 5 LINKAGE EDITOR 5741-SC1-04 VS1 LISTING SJD2-2068-6
**ST00-5419 REL 5 IBCDMPRS 5741-SC1-IO VS1 LISTING SJD2-2077-5
**ST00-5420 REL 5 IBCDASDI 5741-SC1-I1 VS1 LISTING SJD2-2078-5
**ST00-5422 REL 5 IEHDASDR 5741-SC1-U0 VS1 LISTING SJD2-2080-5

**ST00-5423 REL 5 IEHIOSUP 5741-SC1-U1 VS1 LISTING SJD2-2081-2
**ST00-5424 REL 4, 5 IEBTPCH 5741-SC1-UA VS1 LISTING SJD2-2088-4
**ST00-5425 REL 4, 5 IEBCOMPR 5741-SC1-UK VS1 LISTING SJD2-2089-4
**ST00-5426 REL 4, 5 IEBDG 5741-SC1-UJ VS1 LISTING SJD2-2091-4
**ST00-5427 REL 4, 5 IEHMOVE 5741-SC1-UC SJD2-2092-4
**ST00-5428 REL 5 VTAM 5741-SC1-23 VS1 LISTING SJD2-2113-2
**ST00-5429 REL 5 3886 OCR 5741-SC1-DL VS1 LISTING SJD2-2116-3
**ST00-5430 REL 4, 5 VSAM 5741-SC1-DE VS1 LISTING SJD2-2118-3
**ST00-5431 REL 4, 5 SSS HOST SUPPORT 5741-SC1-SS SJD2-2133-2
**ST00-5433 REL 4, 5 IDCAMS 5741-SC1-DK VS1 LISTING SJD2-2114-3
**ST00-5434 REL 4, 5 SERV 5741-SC1-DU VS1 LISTING SJD2-2145-0
**ST00-5435 REL 5 IEBIMAGE 5741-SC1-UM VS1 LISTING SJD2-2149-0
**ST00-5437 REL 5 TOLTEP 5741-SC1-OC VS1 LISTING SJD2-2134-1
**ST00-5438 REL 4, 5 OVERLAY SUPERVISOR 5741-SC1-C2 VS1 LISTING
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**ST00-5440 REL 5 COMPONENT INDEX 5741-SC1-ZZ VS1 LISTING SJD2-2147-0
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**SYC7-2103 7074 OS/V5 EMULATOR ON SYSTEM/370 MODEL 158 VERSION 1
LEVEL 0 COMPONENT OF SBOF-6402, LISTINGS, PROG PROD 5744-AJ1
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SJD2-0060 OS/VS2 IEHLIST 5742-SC1-U2
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 GJD1-1640 EMULATOR OS 165/7094, PROG 360C-EU-740 VERSION 3 LEVEL 0, COMPONENT OF SBOF-6443
 GJD1-1641 EMULATOR OS 165/7070-74 PROG 360C-EU-739 VERSION 2 LEVEL 0, COMPONENT OF SBOF-6445
 GJD1-1642 7080 EMULATOR FOR SYSTEM/370 MODEL 165 UNDER OPERATING SYSTEM/360, LISTINGS - PROG 360C-EU-737, COMPONENT OF SBOF-6442
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 GJD1-2100 EMULATOR FOR 1401/1440/1460 ON THE SYSTEM/370 MODEL 155 UNDER OS MICROFICHE LISTING - PROG. NO. 360C-EU-735
 GJD1-2150 EMULATOR FOR THE IBM 1410/7010 ON THE SYSTEM/370 MODEL 155 UNDER OS - PROG. 360C-EU-736, LISTINGS
 GYB0-0854 ASYMMETRIC MULTIPROCESSING SYSTEM FOR 360, 370 (ASP) PROGRAM LISTING MICROFICHE, PROG NO 360A-CX-15X
 GYB0-0856 S/370 HASP II VERSION 4 MICROFICHE - PROGRAM NUMBER 370H-TX-001
 GYB0-8501 MICROFICHE FOR IBM SYSTEM/370 DISTRIBUTED SYSTEM - PROGRAM NUMBER 360A-TX-032
 SYC7-1117 SYSTEM/370 OS MULTIFONT PREPROCESSOR SUPPORT LISTINGS PROGRAM NUMBER 360A-TX-031
 SYC7-1119 SYSTEM/370 DOS MULTIFONT PREPROCESSOR SUPPORT LISTINGS PROG. NO. 360A-TX-030

Type I DOS (Version 4) 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/1 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
 GYC7-1930 DOS 27.1 UTILITIES GROUP 3 MICROFICHE LISTING - PROGRAM
 NUMBER 360N-UT-463
 GYC7-1931 S/370 DISK OPERATING SYSTEM MPS UTILITY MACROS MICROFICHE
 ASSEMBLY LISTINGS, PROG. NO. 360N-UT-471
 **SYC7-1961 DISK OPERATING SYSTEM/VIRTUAL STORAGE TAPE ERP LISTINGS
 COMPONENT NUMBER 5745-SC-TPE

Part 2. Abstracts

GA19

- GA09-1000
IBM 5990 SYSTEM: SYSTEM SUMMARY MANUAL: RPO 8T0146
5996-T01 DATA ACQUISITION CONTROLLER; 5799-WJF EXCHANGE
DATA COLLECTION PROGRAM SUPPORT
This manual describes the IBM 5990 System and its function in common carrier switching centers or exchanges. The two major components of the system are the IBM 5996-T01 Data Acquisition Controller and the IBM 5799-WJF Exchange Data Collection Program Support. It is intended for use by telephone company management personnel.
Manual, 34 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY
- GA09-1005
IBM 5934 T02 TICKET TERMINAL (RPO 8T0130), IBM 5983-T02
CONTROL UNIT (RPO 8T0131) COMPONENT DESCRIPTION
The manual gives information about the ticket terminal subsystem--what it is, has and does. It covers the operation of the ticket terminal in processing hand-marked cards and describes ticket terminal switches and indicators, as well as programming considerations, card layouts, configuration possibilities, physical planning, and operator procedures.
The manual is written for managers, systems analysts, operators, and programmers in user organizations and for IBM marketing representatives and systems analysts.
Manual, 48 pages
//14//5934,5983/
- GA09-1600
IBM 3270 INFORMATION DISPLAY SYSTEM CUSTOM FEATURE
DESCRIPTION: 129-3270 ATTACHMENT (RPO 8T0093)
This Custom Feature Description manual, GA09-1600, is a component description of the 129 3270 attachment with programming considerations and source for operator's reference. It is for use of executives, programmers and operators; also IBM FE and Marketing personnel.
Manual
//14//3270,3271,3272,3275,0129/
- GA18-2000
IBM 3767 COMMUNICATION TERMINAL OPERATOR'S GUIDE
This manual contains operating procedures for the IBM 3767 Communication Terminal. A brief introduction presents general information that is of interest to the operator. Following chapters describe how to prepare the machine for operation (power-on, select mode, and so forth), how to handle the printer (replace ribbon, insert paper, adjust printing, and so forth), how to operate online (to host system), how to correct or edit data (stored in the buffer), and how to operate offline (as a keyboard-printer). A separate chapter is devoted to Problem Determination Procedures (PDP); this chapter contains error recovery procedures and instructions for those cases where the error recurs or is not recoverable. Appendixes contain operating instructions for the Calculate-Scientific feature, and descriptions of 3767 lights, switches, and keys.
Manual, 104 pages
//09//3767/
- GA18-2012
PROBLEM DETERMINATION GUIDE FOR THE IBM 3767
COMMUNICATION TERMINAL
Guides operators form a symptom being experienced in starting or during operation to a procedure for analyzing the symptom and finding its possible cause.
Prerequisite Publication: IBM 3767 Communication Terminal Operator's Guide, GA18-2000.
Manual, 3 3/4 x 8 1/2 inches, 12/76
//09//3767/
- 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
SLSS - ORDER NO. SUBSCRIPTION ONLY
- 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 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
SLSS - ORDER NO. SUBSCRIPTION ONLY
- GA19-0049
IBM SYSTEM/360 AND SYSTEM/370 COMPONENT DESCRIPTION AND
OPERATING PROCEDURES: IBM 1288 OPTICAL PAGE READER, MODEL 1
IBM prepared this publication as an aid for IBM System/360 and System/370 programmers, systems analysts, supervisors, and operators. Sections of the manual also include information of interest to forms designers, manufacturers and input document printers.
Programmers, systems analysts, and supervisors should be familiar with the system to which the 1288 is attached. For order numbers and names of other publications describing the IBM System/360 and System/370, see the IBM System/360 and System/370 Bibliography, GA22-6822.
See Handwriting Numbers and symbols for the IBM Optical Reader, SR29-1280, and the Handwriting Practice Sheet, SR29-1281, for proper handwriting for 1288 input.
For information about document design and input quality control, see the OCR Input Preparation Guide for the IBM 1287/1288 Character Readers, GC20-1686. Ready reference information for 1288 operators is provided by the Operator Guide, G229-4078 Document Gage for Machine Setup, GX21-9106.
Manual, 104 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY
- GA19-0050
IBM SYSTEM/360 AND SYSTEM/370 COMPONENT DESCRIPTION AND
OPERATING PROCEDURES FOR IBM 1287 OPTICAL READER MODEL 5
This reference publication for the IBM 1287 Optical Reader Model 5 explains machine and system functions, specifications for input documents and data, programming considerations, and operating procedures. It is intended for machine operators, programmers, and people who prepare input documents. Machine operators need not have previous experience in operating the model 5, but programmers should be familiar with the various operating systems available with System/360 and System/370.
Manual, 96 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY
- GA19-5024
IBM 3270 INFORMATION DISPLAY SYSTEM: 5926-B03 OPTICAL
SCANNER REFERENCE MANUAL RPOs 7B0215 AND U42416
This publication provides information for customer and IBM personnel concerned in operating, programming and physical planning for 5926-B03 Optical Scanners. Readers should be familiar with the basic principles of the 3270 Information Display System.
The publication has six main sections.
Introduction: This section briefly describes the optical scanner, its operation, and the production of printed bar-codes suitable for scanning.
Operating Procedure: This section describes how an operator uses the optical scanner to read bar-coded data, and how the data is transmitted to a data processing system.
Program Considerations and Code Information: This section describes the programming support, data codes, and error checking involved in scanning and transmitting bar-coded data.
Preparation of Bar Codes: This section lists the allowed dimensions of bar-codes, describes the ways that data can be arranged on a document, and describes UCS character assignment for bar-code printing.
Paper and Print Quality Requirements: This section gives requirements and recommendations for setting up a printer, selecting the correct paper, and so on, for producing printed bar codes suitable for optical scanning.
5926-B03 Characteristics and Installation Planning Information: This section lists the physical and (required) environmental characteristics of the optical scanner.
Appendix A describes the use of test documents.
Manual, 30 pages (4/75)
//14//5926/

GA19-5029

3740 DATA ENTRY SYSTEM: (5926-B03) BAR CODE READER PRINTER DATA STATION, CUSTOM UNIT DESCRIPTION RPOQ 7B0215, X64601, 7H0194, X96684, AND X72888
The IBM 5926-B03 Optical Scanner is a hand-held scanner for reading printed bar-coded data. It can be attached to the IBM 3740 Data Entry System, the IBM 3270 Information Display System, IBM System/32 and to IBM System/7.

This publication provides information on operating, programming and planning for 5926-B03 Optical Scanners attached to data stations of the 3740 Data Entry System: either the IBM 3741 Data Station, Models 1 and 2, or the IBM 3741 Programmable Work Station, Models 3 and 4. Readers should be familiar with the operation of 3741 Data Stations and Programmable Work Stations as described in the following publications.

IBM 3740 Data Entry System: System Summary and Installation Planning, GA21-9152.
IBM 3741 Data Station Reference Manual, GA21-9183.
IBM 3740 Data Entry System Special Self-Check Number Device Custom Unit Description; RPOQs (U.S.A.) WE0408, Z07465, (WT) X10260, GA33-3016.
IBM 3741 Data Station function control Feature Reference Manual Supporting RPO WE2360, GA21-9206.
IBM 3741 Data Station Operator's Guide, GA21-9131.
Manual, 8 1/2 x 11 inches, 44 pgs, 11/76
//14//5926//WT-ONLY

GA19-5031

IBM 3740 DATA ENTRY SYSTEM SPECIAL SELF-CHECK NUMBER DEVICE (COMPATIBLE WITH HEBREW LANGUAGE FEATURE) CUSTOM UNIT DESCRIPTION RPO X15169 (3741 AND 3742, 128-CHARACTER MACHINE)
This publication describes the Self-Check Number Device Special Arithmetic feature which is compatible with the Hebrew Language Feature and is available on the IBM 3741 Data Station, Models 1 and 2, and the IBM 3742 Dual Data Station with the 128-character feature. The feature implements a wide range of special checking algorithms.

The Special Self-Check Number Device facilities described in this publication are similar but not identical to those for RPO X10260.
Manual, 8 1/2 x 11 inches, 26 pgs, 11/76
//14//3741,3742//WT-ONLY

GA19-5052

IBM 5937 S01 INDUSTRIAL TERMINAL COMPONENT DESCRIPTION RPO 750052, 750058, 750061
This manual describes the 5937 S01 Plant Terminal. It contains functional characteristics, a description of the Digital Input/Digital Output features and installation - physical planning information.

It is a composite manual intended for a variety of audiences including management, programmers, and system analysts.
Manual, 106 pgs, 8/76
//14//5937//

GA19-5057

IBM 3767 COMMUNICATION TERMINAL OPERATOR'S GUIDE, RPO X71429, DOCUMENT INSERTION DEVICE
This publication is to be used together with the IBM 3767 Communications Terminal Operator's Guide, GA18-2000-2. It describes the operating procedures of the Front Feed Document Insertion Device (RPO X71429) of the IBM 3767. This publication is for operators of the IBM 3767 with the Front Feed Document Insertion Device RPO, and assumes that the operator is familiar with the basic operation of a 3767.
Manual, 8 1/2 x 11 inches, 24 pgs, 12/76
//14//3767//WT-ONLY

GA19-5059

WORLD TRADE ADDENDUM TO IBM 3767 MODELS 1 AND 2 COMMUNICATION TERMINAL COMPONENT DESCRIPTION OPERATOR'S GUIDE RPO X74189 LARGE CHARACTER PRINT
This manual describes how the Large Character Print Feature on the 3767 works, and its operating procedures.
It is intended primarily for operators of the IBM 3767.
Manual, 24 pages 6/76
//14//3767//WT-ONLY

GA21-9001

IBM 1060 CONFIGURATOR
Sheet lists units that can be used in a 1060 System Configuration Configurator Sheet, 8 1/2 x 11, 2 sides
//00//1060,1061,1062//

GA21-9010

IBM 1060 DATA COMMUNICATIONS SYSTEM INSTALLATION MANUAL - PHYSICAL PLANNING
This publication contains detailed information on physical planning for the IBM 1060 Data Communication System. Dimensions, weights, cable specifications, service clearances, physical information for each unit, and electrical and environmental requirements are included.
Systems Reference Library Manual, 18 pages
//15//1060,1061,1062//

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
360,370//02//1442//

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
360,370//02//2501//

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
360,370//02//2520//

GA21-9028

IBM 357/1030/2790 BADGE SPECIFICATIONS
This publication provides the specifications for the manufacture of laminated and embossed badges for the IBM 357 and IBM 1030 Data Collection Systems and the IBM 2790 Data Communication System. Included in this publication are: dimensions, a material listing, suggested laminating procedures, quality control measures, and punched-hole registration-checking procedures.
Individual differences in manufacturing equipment may require some modification to time, temperature, and pressure specification; test badges should be manufactured and checked to provide a basis for possible modifications.
SRL, 16 pages
//09//1030,1031,0357,2790,1032,2791//

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
//02//2540//

GA21-9041

IBM 1035 COMPONENT DESCRIPTION AND OPERATING PROCEDURES
This publication describes the IBM 1035 Badge Reader and its operation with other units of the IBM 1030 Data Collection System. Included are descriptions of the special features available for units of a 1030 system in which 1035's are used, and an explanation of system timings for badge-only operations.
Systems Reference Library Manual, 28 pages
//09//1035//

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
//04//1287//

GA21-9078

IBM 5486 CARD SORTER OPERATOR'S GUIDE
This manual describes the use of the IBM 5486 Card Sorter. The 96-Column Card, card coding, and card handling and the operation of the sorter are explained. Examples of the various types of sorting are presented. These examples are designed to help you fully understand what to do and

how to do it. Therefore, it is not necessary to have previous knowledge of sorting to use this manual. Keys, lights, switches, and special features are discussed in appropriate sections.
Product Manual, 42 pages
//10//5486/

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
//04//1288/

GA21-9124

IBM 3504 CARD READER/IBM 3505 CARD READER AND IBM 3525 CARD PUNCH SUBSYSTEM

This 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
//02//3505,3525,3504/

GA21-9131

3741 DATA STATION OPERATOR'S GUIDE

This book gives a 3741 operator procedures for doing normal key entry operations. It is for people who are, or will be doing key entry jobs with a 3741. The operator's guide is to be used as a reference to find the necessary steps to perform a job.
Manual, 128 pages
//08//3741/

GA21-9136

3742 DUAL DATA STATION OPERATOR'S GUIDE

This book gives a 3742 operator procedures for doing normal key entry operations. It is for people who are, or will be doing key entry jobs with a 3742. The operator's guide is to be used as a reference to find the necessary steps to perform a job.
Manual, 120 pages
//08//3742/

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
370, 2030, 2040, 2050, 2065, 2067, 2075, 2025, 2022//04//1287/

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
//04//3881/

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
//02//2596/

GA21-9147

IBM 3886 OPTICAL CHARACTER READER MODEL I REFERENCE MANUAL

The IBM 3886 Optical Character Reader Reference Manual (MODEL I) contains operational capabilities and programming requirements for the 3886 Model I. 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
//04//3886/

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
//04//3886/

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, 158, 165 and 168. 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 principal 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
//04//1287/

GA21-9152

IBM 3740 DATA ENTRY SYSTEM - SYSTEM SUMMARY AND INSTALLATION PLANNING

This manual is intended for customer executives, customer DP managers, key entry supervisors and installation planning consultants. It should be used where general information about the system is required.

The manual contains descriptive information about the system and each unit. Discussions of available functions and features, information on the media, probable programming changes, and suggested operating procedures are included. Installation planning information is also part of this publication. In addition, a bibliography of applicable teleprocessing publications is included in the teleprocessing section.
Manual, 5/76
//08//3740,3741,3747,3540,3742,3713/

GA21-9154

IBM 3886 OPTICAL CHARACTER READER MODEL 2 COMPONENT REFERENCE MANUAL

The IBM 3886 Model 2 Component Reference Manual contains component description and operational capabilities of the 3886 Model 2. The manual is written for 3886 Model 2 users, systems analysts, supervisors, and operators. Sections of the manual also contain information of interest to programmers.
Manual, 92 pages
//04//3886/

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 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
//02//5425/

GA21-9170

IBM 3747 DATA CONVERTER REFERENCE MANUAL & OPERATOR'S GUIDE

This guide gives operating instructions for the 3747 Data Converter. Also contains explanatory material needed for new operators. All message codes, their meanings, and required actions are also given.

Guide, 44 pages
//08//3747/

GA21-9182

THE IBM DISKETTE: GENERAL INFORMATION MANUAL

This manual provides information about handling, shipping, and storing all IBM diskettes, and detailed information about cylinder formats for IBM diskettes used for data exchange. Because it contains information of general nature regarding terminology, formats, handling, and shipping, of the diskette, the manual will be of interest to most people being introduced to the diskette medium for the first time.

Much of the information presented in this manual is not available in other publications. Therefore, the manual is a co-requisite to IBM 3540, 3741, 3742, 3747, 3600, 3890, and 3891 manuals.

Manual, 24 pages, 6/76
//08//3540,3741,3742,3747/

GA21-9183

IBM 3741 DATA STATION REFERENCE MANUAL

This publication is a reference manual intended for installation supervisors, application personnel, system analysts, and system engineers who wish specific information on program coding, modes of operation, and operational considerations for the IBM 3741 Data Station.

The publication assumes that the reader is familiar with data entry techniques and is also familiar with the contents of the following manuals:

- o IBM 3740 Data Entry System System Summary and Installation Planning, GA21-9152
- o IBM 3741 Data Station Operator's Guide, GA21-9131

Manual, 108 pages
//08//3741/

GA21-9184

IBM 3742 DUAL DATA STATION REFERENCE MANUAL

This publication is a reference manual intended for installation supervisors, application personnel, system analysts, and system engineers who wish specific information on program coding, modes of operation, and operational considerations for the IBM 3742 Dual Data Station.

The publication assumes that the reader is familiar with data entry techniques and is also familiar with the contents of the following manuals:

- o IBM 3740 Data Entry System - System Summary and Installation Planning, GA21-9152
- o IBM 3742 Dual Data Station Operator's Guide, GA21-9136

Manual, 64 pages
//08//3742/

GA21-9194

IBM 3741 MODELS 3 AND 4 PROGRAMMABLE WORK STATION PROGRAMMING REFERENCE MANUAL

This manual contains detailed reference material about Application Control Language (ACL) programming for the IBM 3741 Models 3-4. Information in the manual is intended to satisfy the requirements of ACL programmers and 3741 Model 3-4 operators.

Manual, 136 pages
//08//3741/

GA21-9195

A PROGRAMMER'S INTRODUCTION TO THE APPLICATION CONTROL LANGUAGE (FOR 3741 MODELS 3 & 4 PROGRAMMING WORKSTATION)
This publication is intended for persons who want to learn

how to write programs using ACL (Application Control Language). ACL is the programming language used on the IBM 3741 Models 3 and 4 Programmable Work Station. The publication is an educational tool for programmers who either already know a computer language, or have just learned programming by attending the IBM class in ACL. The reader should be familiar with the data processing concepts and the operation of the IBM 3741 Models 1 and 2 Data Station.

This publication is divided into two chapters. The first chapter is an introduction to ACL. It briefly describes ACL control statements and instructions and gives a procedure to code an ACL program. The second chapter describes the ACL control statements and instructions that a programmer must use. The information in this chapter is arranged so that you learn the functions and structure of the language first and then the operations. After reading this publication, you should have enough knowledge about ACL to write a program. The Order Entry program is used as an example throughout the chapter.

Manual, 244 pages
//14//3741/

GA21-9196

IBM 3741 MODELS 3 AND 4 PROGRAMMABLE WORK STATION GENERAL INFORMATION

This publication provides general information about the IBM 3741 Programmable Work Station. It describes the new functions of the work station and the Application Control Language which is used to control the work station. Examples of applications that can be used on the work station are also provided.

This publication is for company executives, system analysts, data processing managers, programmers, and installation managers who wish general information about the IBM 3741 Programmable Work Station.

Manual, 25 pages
//08//3741/

GA21-9197

IBM 3540 DISKETTE INPUT/OUTPUT UNIT OPERATOR'S GUIDE AND PROGRAMMER'S REFERENCE MANUAL

This manual provides experienced assembler language and machine level programmers, systems analysts, and machine operators with reference information about the IBM 3540. The manual contains descriptions of IBM S/370 instructions and commands used to control the 3540. It provides them with error indications, conditions, and recovery procedures. It provides systems analysts and machine operators with a description of the 3540, its operator controls, and operator procedures.

Programmers using this manual should be familiar with the system to which the 3540 will be attached, and should understand the system interface characteristics.

Manual, 56 pages
//08//3540/

GA21-9221

IBM 3742 DUAL DATA STATION FUNCTION CONTROL FEATURE REFERENCE MANUAL SUPPORTING RPQ 843866

This manual describes the operation and use of the FCF (Function Control Feature) of the IBM Dual Data Station The FCF is made available by RPQ 843866.

This manual is written with the assumption that you can operate the IBM 3742 Dual Data Station and are familiar with the IBM 3742 Dual Data Station Operator's Guide, GA21-9136, and the IBM 3742 Dual Data Station Reference Manual, GA21-9184. This manual does not contain any information covered in these publications. You should have an understanding of general programming concepts to make full use of this manual. You should also read the general description of the FCF and its operation with the 3742 programs before going on to the following sections.

Several examples illustrate functions for which the RPQ was intended. There is considerable flexibility in the FCF functions that can be performed. You can also implement functions not addressed in this manual. However, no programming support or assistance is provided beyond that contained in the manual.

Manual, 44 pages
//14//3742/

GA21-9224

IBM 3740 DATA ENTRY SYSTEM ASCII RPQ REFERENCE MANUAL SUPPORTING RPQS S40064, S40075, and S40081

This publication is intended for customer programmers, system analysts, operators, and IBM system engineers who need specific information about the 3740 Data Entry System RPQs. This publication describes only the differences between the ASCII RPQ and the standard EBCDIC machine operations. This publication assumes the reader understands the contents of the following manuals:

- o IBM 3740 Data Entry System, System Summary and Installation Manual -- Physical Planning, GA21-9152.
- o IBM 3741 Data Station Operator's Guide, GA21-9131.
- o IBM 3742 Dual Data Station Operator's Guide, GA21-9136.
- o IBM 3741 Data Station Reference Manual, GA21-9183.
- o IBM 3742 Dual Data Station Reference Manual, GA21-9184.
- o The IBM Diskette for Standard Data Interchange, GA21-9182.
- o IBM 3747 Data Converter Reference Manual and Operator's Guide, GA21-9170.
- o IBM 3740 Data Entry System Programmer's Guide,

GA21-5071.
Manual, 22 pages
//14//3741,3742,3747/

GA21-9240

3741 READER/PUNCH ATTACHMENT FEATURE RPQ GF2495 REFERENCE MANUAL AND OPERATOR'S GUIDE

This manual describes the operation and use of the IBM 3741 Reader/Punch Attachment feature. This feature is made available by RPQ GF2495. Included is programming reference information, operating instructions, and error recovery procedures.

This manual is written with the assumption that the user has an understanding of the IBM 3741 and is also familiar with the IBM 3741 Data Station Operator's Guide, GA21-9131 and the IBM 3741 Data Station Reference Manual, GA21-9183. This manual does not contain information covered in these publications.

Information about the input/output devices that can be attached to the 3741 when using the Reader/Punch Attachment feature can be found in the following reference manuals listed:

- o IBM 1017 Paper Tape Reader:
IBM System/360 Component Descriptions 2826 Paper Tape Control Unit, 1017 Paper Tape Reader, 1018 Paper Tape Punch, GA33-4500
 - IBM System/3 1017 Paper Tape Reader Program Reference Manual, GC21-5035
 - o IBM 2956 Optical Mark/Hole Reader:
IBM 2956 Optical Mark/Hole Reader Models 2 and 3 Component Description and Operating Procedures, GA21-9050
 - System/3 Model 10 Disk System Attachment for IBM 2956 Optical Mark/Hole Reader Models 2 and 3, GA21-9198
 - o IBM 1054 Paper Tape Reader and the IBM 1055 Paper Tape Punch:
IBM 1050 Operator's Guide, GA24-3125
- Manual, 32 pages, 1/76
//14//3741/

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:

- within a System/360 teleprocessing activity
- 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
//09//2702/

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
//09//2701/

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
360,1800,3195,1801,1802,3155,3165,3145,3135,3158,3168//05//2400,2401,2402,2403,2404,2816,2415,2804,2803/

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
//01//1052,2150/

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
//07//2301,2820/

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
3165//01///

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
3155//01///

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
3195//01///

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
3195/700///

Data Processing System.
Systems Library Manual, 48 pages
3165,3168//13//7080/

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
//10//0050/

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
3155//01///

GA22-6954

IBM SYSTEM/360 AND SYSTEM/370 MODEL 195 OPERATING PROCEDURES
Provides procedures relative to operating the S/360 and S/370 Model 195. Manual is directed to those individuals who will be operating the Model 195.
Manual
3195//01///

GA22-6968

IBM 129 CARD DATA RECORDER OPERATOR'S REFERENCE MANUAL
This manual describes the functional and operating characteristics and the operator procedures for the IBM 129 Card Data Recorder. The 129, operating with or without a prepunched card program, is manually keyed (and corrected, in memory storage), then automatically punches, providing conventional 80-column punched cards. Models are provided with these functions:
Model 1 Punch, verify
Model 2 Print, punch
Model 3 Print, punch, verify

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
3165,3168//13//7090,7094,0709/

Keyed input errors may be erased and corrected before being punched into the card. Verification compares keyed data with data read into storage; correction is made in storage. After reverification in storage, the corrected card is punched.

This manual is addressed to the card data recorder operator.
Manual, 72 pages
NOT AVAILABLE UNDER SLSS

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
3165//00///

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
3165//01///

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
3155//00///

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
370//13///

GA22-6958

7070/7074 COMPATIBILITY FEATURE FOR IBM SYSTEM/370 MODELS 165, 165 II, and 168
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
3165,3168//13//7070,7072,7074/

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

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
3155//01///

GA22-6963

7080 COMPATIBILITY FEATURE FOR IBM SYSTEM/370 MODELS 165, 165 II, and 168
This publication contains information about the IBM 7080 compatibility feature, which adds interpretive facilities to System/370 Model A65 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

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
370//01///

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
370//00///

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
370//00///

GA22-7010

SYSTEM/370 MODEL 168 FUNCTIONAL CHARACTERISTICS MANUAL

This publication provides management, programming, and operations personnel with information on the organization and functional characteristics of the IBM System/370 Model 168.

The manual first describes the highlights of the system, configurations, facilities, and features. It then presents a more in-depth description of the central processing unit, storage control unit, storage, channels, functions, controls, indicators, and multiprocessing.

Details concerning programming and peripheral equipment are not given in this manual.

The reader is assumed to have an understanding of data processing systems including fundamental knowledge of IBM System/370 as defined in IBM System/370 Principles of Operation, GA22-7000.

Manual, 46 pages
3168//01///

GA22-7011

IBM SYSTEM/370 MODEL 158 FUNCTIONAL CHARACTERISTICS

This manual describes the characteristics and features of the Model 158. 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 of particular concern to Model 158 users is covered in this manual -- which summarizes the processing unit and storage functions, followed by a description of the display console. A feature summary, a glossary and the index completes the manual.

Manual, 22 pages
3158//01///

GA22-7012

IBM SYSTEM/370 MODEL 158 CHANNEL CHARACTERISTICS

This publication describes methods used to calculate System/370 Model 158 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
3158//01///

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
3158//00///

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
3168//00///

GA22-7016

IBM SYSTEM/370 MODEL 165 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, GA22-6935, for an overall picture of the system.

Manual, 13 pages
3165//13///

GA22-7017

IBM SYSTEM/370 MODEL 155 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, 9 pages
3155//13///

GA22-7056

IBM SYSTEM/370 MODEL 158 HIERARCHICAL MONITORING SYSTEM, FEATURE DESCRIPTION

This manual describes the hierarchical monitoring system of the IBM System/370 Model 158 Data Processing System. Written to the system engineer level, this manual, addressed to management, programming, and operations personnel, lists the instructions for a user program of system facility monitoring. This manual should be considered a supplement to IBM System/370 Model 158 Functional Characteristics, GA22-7011.

Manual, 37 pages, 11/75
3158//01///

GA22-7060

IBM SYSTEM/370 3033 PROCESSOR FUNCTIONAL CHARACTERISTICS

This manual describes the functional characteristics and features of the IBM System/370 3033 Processor. It provides management, programming, and operations personnel experienced in System/370 operation with a fundamental understanding of the 3033 Processor.

Only information that is of particular concern to the 3033 Processor user is discussed in this manual. Discussion centers on the Processor (with its processor storage functions, and channels) and the IBM 3036 Console.

The reader is assumed to have an understanding of data processing systems, including fundamental knowledge of IBM System/370 as defined in IBM System/370 Principles of Operation, GA22-7000.

Manual, 8 1/2 x 11 inches, 44 pgs, 4/77
3033//01///

GA22-7065

IBM SYSTEM/370 3033 PROCESSOR CONFIGURATOR

This chart shows the standard and optional features, the processor storage capacities, and the channels and subchannels available for the System/370 3033 Processor. Configurator, 8 1/2 x 11 inches, 2 pgs, 4/77

3033//00///

GA24-1029

IBM 1001 DATA TRANSMISSION SYSTEM

This reference publication describes the operation of the IBM 1001 Data Transmission System when transmitting over a communication line to an IBM 24 or 26 Card Punch, or an IBM 7770 or 7772 Audio Response Unit. A detailed description of the card reader, keyboard, and control keys is included. Operating procedures and applications are discussed.

Product Reference Literature
//09//1001/

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
//04//1219,1419/

GA24-3018

IBM 1030 DATA COLLECTION SYSTEM

This reference publication discussed in detail the operating features, controls, and special features for the:

IBM 1031 Input Station
Card Reader
Manual Entry Unit
Data Cartridge Reader
Badge Reader
IBM 1032 Digital Time Unit
IBM 1033 Printer
IBM 1034 Card Punch
IBM 1035 Badge Reader

These components provide on-line and off-line capabilities for this Tele-processing system. System timing calculations for the transmission line, for the IBM 1034 Card Punch, and for packed-card operation with the IBM 1034 are all fully discussed. Also included is a summary of system checking, and instructions for making wiring charts to be used at installation time.
Manual, 72 pages
//09//1030,1031,1032/

GA24-3020

IBM 1050 REFERENCE DIGEST

This publication is a summary of the capabilities, operating controls, special features, and physical characteristics of each component in the IBM 1050 Data Communication System. Items are listed alphabetically and a reference is made (by item) to the publication containing more detailed information on the subject.

If no publication is referenced, it indicates that all information on the subject is contained within this manual under the heading(s) specified. Refer to the preface in this manual for the titles and form numbers of publications referenced in the manual and other machine publications available for the 1050 System.
Systems Reference Library Manual, 64 pages
//09//1050,1051,1058,1052,1053,1054,1055,1056/

GA24-3021

IBM 1030 DATA COLLECTION SYSTEM INSTALLATION MANUAL - PHYSICAL PLANNING

This publication contains pertinent, detailed information concerning installation of the IBM 1030 Data Collection System. Included are physical characteristics and electrical environmental requirements for each unit of the system. Typical system configurations with inter-unit and mainline cabling requirements are presented. Particular attention is devoted to those aspects of installation performed by the customer.

The following IBM publications are recommended for use with the Manual:

IBM 1030 CONFIGURATOR, Form A24-3045
PLANNING AND INSTALLATION OF A DATA COMMUNICATIONS SYSTEM, Form A24-3435

Systems Reference Library Manual, 24 pages
//15//1030,1031,1032/

GA24-3022

IBM 1050 DATA COMMUNICATIONS SYSTEM INSTALLATION MANUAL, PHYSICAL PLANNING

This publication presents detailed information concerning the physical characteristics of the IBM 1050 Data Communications System. Included are environmental and electrical requirements and installation information for each unit of the system. Particular attention is devoted to those aspects of installation performed by the customer. Typical system configurations for the individual terminals and for private communication networks are presented. This information is necessary for preparing the customer's premises for the actual installation of the equipment.
Systems Reference Library Manual, 38 pages
//15//1050,1051,1058,1052,1053,1054,1055,1056/

GA24-3034

IBM 1060 DATA COMMUNICATIONS SYSTEM

Detailed information about the IBM 1061 Control Unit and the IBM 1061 Teller Terminal is contained in this publication. Features, functions, operator procedures, data flow, and programming; plus document design, special features, and communication-company equipment are discussed.
Systems Reference Library Manual, 54 pages
//09//1060,1061,1062/

GA24-3045

IBM 1030 CONFIGURATOR

Sheet provides list of units that can be configured in a 1030 system. Sheets used for planning customer system configuration.
Configurator Sheets, 8 1/2 x 11, 8 pages
//00//1030,1031,1032/

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
//03//1403/

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.
This manual discusses timing information for the printer and the tape controlled 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
//03//1443,1445/

GA24-3125

IBM 1050 OPERATOR'S GUIDE

This publication is designed specifically for operating personnel using the IBM 1050 Data Communication System. It consists of five individual sections, with each section prepared as a complete stand-alone unit. The sections of this manual are:

Section 1. Introduction--Description of all system components including standard and special features.

Section 2. System and Component Controls--Detailed description of all controls and indicators for each component of the system.

Section 3. Operator Procedures--Step-by-step instructions covering all setup and operating procedures for the system.

Section 4. Basic Applications--Step-by-step instructions covering the various input/output operations possible with the 1050 System for both home-loop and line-loop operations.

Section 5. Tips and Techniques--Methods for improving operating efficiency for specific situations.
Manual, 144 pages
//09//1050,1051,1058,1052,1053,1054,1055,1056/

GA24-3266

IBM 1092 AND 1093 PROGRAMMED KEYBOARDS

This reference publication describes, in detail, the operation of the IBM 1092 and 1093 Programmed Keyboards when attached directly to either an IBM 1050 Data Communications System or a common-carrier data set. A detailed description of the data keys, control buttons, keymats, and special features is also included.
Systems Reference Library Manual, 24 pages
//09//1092,1093/

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
//03//2821/

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
//13//1241,1419/

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.

Manual, 64 pages
//08//2671,2822/

GA24-3403

IBM 2740 COMMUNICATION TERMINALS MODEL 1 AND 2 COMPONENT DESCRIPTION

This publication describes the application areas, principles of operation, line-control signals, and special features of the IBM 2740 Communication Terminal Models 1 and 2. The communication facilities and data sets that can be used with this Tele-processing terminal are also discussed. Included is a glossary of communication terms used in this publication, and the timing formulas necessary to calculate the data-handling capability of the terminal. Systems Reference Library Manual, 60 pages
//09//2740,2741/

GA24-3415

IBM 2741 COMMUNICATION TERMINAL

This manual is written for those interested in the concepts and applications of conversational terminals. A general knowledge of computer principles and programming concepts is a prerequisite for complete understanding of the information presented. The publication describes application areas, principles of operation, line-control signals, and special features of the IBM 2741 Communication Terminal. The communications facilities that can be used with this teleprocessing terminal are discussed. Also included are programming considerations, code charts, and keyboard arrangements. Systems Reference Library Manual
//09//2741/

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
//09//2712/

GA24-3435

PLANNING AND INSTALLATION OF A DATA COMMUNICATION SYSTEM USING IBM LINE ADAPTERS

This reference publication contains information, for systems engineers and installation planning engineers, on the planning and installation of data communications systems that use IBM Line Adapters (modems). A brief introduction to data communication and to the general purposes and functions of line adapters is presented. Included is technical information applicable to an in-plant user-installed data communications system, and to the local facilities of common carriers. Specifications and requirements are provided for each IBM Line Adapter type, including those intended for limited-distance use only, and for those designed to operate over unlimited-distance common-carrier lines. A Glossary is included as an appendix.

Prior knowledge of data communications systems is helpful, but not essential.

For a description of the switched network, automatic answering, and automatic call origination features of the IBM 1200 Bit-per-Second Line Adapter, this manual refers to SYSTEMS manual, IBM 3872 Modem User's Guide, GA27-3058. General Information, 74 pages
//15//2701,2735/

GA24-3471

IBM 1050 SYSTEM SUMMARY

This publication provides an introduction to the IBM 1050 Data Communication System and its associated components. A general description of each of the system components is provided here, along with a summary of all pertinent

features for each. The communication facilities and data sets available for the 1050 System are also provided as a general guide. For a detailed description of the system components and their operation, consult IBM 1050 PRINCIPLES OF OPERATION, Form A24-3474.

System Reference Library Manual, 20 pages
//09//1050,1051,1052,1053,1054,1055,1056,1058/

GA24-3474

IBM 1050 DATA COMMUNICATION SYSTEM PRINCIPLES OF OPERATION

This reference publication provides a complete description of the operating principles of this IBM Tele-processing system. The functional characteristics of the system and of each component is discussed in detail. Additional information, pertaining to the overall system and World Trade considerations, are provided in the appendix. Systems Reference Library manual, 90 pages
//09//1050,1051,1058,1052,1053,1054,1055,1056/

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
//04//1259/

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
//04//1255/

GA24-3543

IBM 3211 PRINTER 3216 INTERCHANGEABLE TRAIN CARTRIDGE AND 3811 PRINTER CONTROL UNIT COMPONENT DESCRIPTION AND OPERATOR'S GUIDE

The 3211 Printer, 3216 Interchangeable Train Cartridge and 3811 Printer Control Unit constitute a high-speed printer subsystem for attachment to System/360 and System/370 data processing systems via the System/360/370 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 setup, operating, and error-recovery procedures.

A basic knowledge of System/360/370 is assumed. The manual is organized into three sections:

- 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 setup, running, and error recovery.

Appendices contain reference information, such as an EBCDIC chart, for all users. The following publications are referenced for additional forms requirements and ribbon recommendation information:

- Form Design Reference Guide for Printers, GA24-3488
- System/360 and System/370 Component Description and Operating Procedures: IBM 1287 Optical Reader, GA21-9064
- System/360 and System/370 Component Description and Operating Procedures: IBM 1288 Optical Page Reader, Model 1, GA21-9081
- Paper and Print Quality Requirements for IBM 1270 and 1275 Optical Reader Sorters, GA19-0036
- IBM System/360 Component Description: IBM 1270 Optical Reader Sorter, GA19-0035
- IBM System/360 Component Description: IBM 1275 Optical Reader Sorter, GA19-0034

The following publications are referenced for additional FCB and UCS buffer loading information:

- System/360 Operating System: Data Management for System Programmers, GC28-6550

DOS System Control and Service, GC24-5036
Manual, 70 pages
//03//3211,3811,3216/

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/370 Bibliography (GC20-0001), for the functional Characteristics and Operating Procedures manuals for the particular system and model.
Manual, 8-1/2 x 11 inches, 18 pages
//01//3215/

GA24-3552

IBM 3210 CONSOLE PRINTER-KEYBOARDS COMPONENT DESCRIPTION
This manual is intended as an introduction to the IBM 3210 (Models 1 and 2) Console Printer-Keyboards. The 3210's are described according to the way in which they operate with IBM System/370's.

A description of the physical and functional characteristics of the IBM 3210's is contained in this manual. The purpose of all control keys and indicator lights, supplementing the keyboard, is included.

Because the 3210 Model 2 is a standalone I/O unit, the assigned functions of the control keys and indicator lights described here may vary according to the particular requirements of another system.

A section describing "Operator's Procedures" contains the following:

1. Forms insertion procedure
2. Platen removal and replacement

For additional information on forms specifications refer to "Form Design Reference Guide for Printers", GA24-3488.

For additional information on 3210 operating procedures, refer to the IBM System/370 Model 145 Operating Procedures, GC38-0015.

Manual, 10 pages
//01//3210/

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 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
3145//01///

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
//15//1925/

GA24-3562

IBM 2911 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
//15//2911/

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
//15//1972/

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
3145//01///

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
//14//1972/

GA24-3594

IBM EMULATOR FOR RCA 301 ON SYSTEM/370 USING DOS AND DOS/V5 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/V5). The emulator uses the System/370 standard instruction set, the RCA 301 Compatibility feature, and the data management facilities of DOS and DOS/V5 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
////5799-ADR

GA24-3595

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

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
////5799-ADT

GA24-3604

EMULATOR FOR HONEYWELL SERIES 200 ON SYSTEM/370 USING DOS AND DOS/VS (PRPQ), PROG. NO. 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
////5799-ADT

GA24-3605

IBM EMULATOR MANUAL FOR RCA 301 ON SYSTEM/370 USING DOS & DOS/VS, PROG. NO. 5799-ADR

This manual describes the IBM Emulator for RCA 301, an integrated emulator program, for the IBM System/370 Models 135 and 145. Also provided are planning, implementation, and operating 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 System/370 Disk Operating System (DOS) or the IBM Disk Operating System/Virtual Storage (DOS/VS). In this manual the term "DOS" is used unless it is necessary to distinguish between DOS and DOS/VS. The emulator uses the System/370 standard instruction set, the RCA 301 Compatibility Feature, and the Data Management facilities of the Disk Operating System to emulate the RCA 301 processor unit, input/output, and console operations. Manual, 108 pages
////5799-ADR

GA24-3612

IBM 3890 DOCUMENT PROCESSOR MACHINE AND PROGRAMMING DESCRIPTION

Provides a comprehensive description of the IBM 3890 Document Processor for those persons doing systems analysis and planning, programmers, systems engineers, and customer engineers. The reader is assumed to have an understanding of bank data processing.

This publication provides in-depth descriptions of operating principles and procedures, basic and special features, programming support including detailed explanations of both data management and SCI macros with examples, sorting techniques with examples, diagnostic aids, the IBM Diskette drive, and all operating controls. Manual, 160 pages
3138, 3148, 3033, 3155, 3165, 3145, 3135, 3158, 3168//04//3890/

GA24-3619

3890 DOCUMENT PROCESSOR OPERATOR'S GUIDE

This operator's manual contains information primarily for personnel operating the 3890 Document Processor Models A and B. No prior operating experience is necessary.

The operating information includes:

- A description of the 3890 by functional units (modules)
- A description of the special features
- The operator panel: keys, lights, and switches
- Machine operation: start, run, and stop conditions, and error recovery procedures
- Operator maintenance for optimum machine performance.

Operating information for related programming is not included.

For more detailed information, refer to IBM 3890 Document Processor, Machine and Programming Description, GA24-3612. Manual, 84 pages, (9/75)
3138, 3148, 3155, 3165, 3145, 3135, 3158, 3168//04//3890/

GA24-3632

SYSTEM/370 MODEL 138 FUNCTIONAL CHARACTERISTICS

This publication describes the capabilities, features, input/output channels, integrated adapters and attachments, system console, and operations of the IBM System/370 Model 138. Also provided is information on program operating systems and compatibility features that are available with other systems and programs. The publication is intended for users and potential users, such as system analysts and programmers of the System/370 Model 138. 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, 105 pages, 5/76
3138//01//

GA24-3634

SYSTEM/370 MODEL 148 FUNCTIONAL CHARACTERISTICS

This manual describes the characteristics and features of the Model 148. It provides experienced management, programmers, and operations personnel with a fundamental understanding of this model. Knowledge of System/370 as provided in the System/370 Principles of Operation, GA22-7000, is required. Only information of a particular concern to Model 148 users: the processing unit, storage, channels, system display console, features, and instruction timings.

Manual, 60 pages, 6/76
3148//01//

GA24-3638

IBM 3896 TAPE-DOCUMENT CONVERTER MACHINE DESCRIPTION AND OPERATOR'S GUIDE

This manual contains information describing the use, operation, and operator maintenance of the IBM 3896 Tape-Documents Converter. It is intended for the use of operations management and machine operators.

The introduction describes the machine functions, performance criteria, document criteria, and copy quality. This publication also contains operating procedures for conversion of tape listings, jam recovery, and operator maintenance. Machine operators normally require no prior converter (copier) experience when using this manual.

A section on legal information describes the legal aspects of copying certain documents. For additional information, refer to the IBM 3896 Tape-Documents Converter, Physical Planning, GA24-3643 and to the Systems Library manual, IBM 3895 Document Reader/Inscriber General Information, GA24-3645.

Manual, 36 pgs, 1/77
//04//3896/

GA24-3639

IBM 3838 ARRAY PROCESSOR FUNCTIONAL CHARACTERISTICS

This reference publication is intended for management, system programmers, and system operators who require information about the IBM 3838 Array Processor. This manual provides the user with information about system configuration, machine features, channel attachment, algorithms and array data format, and operator instructions. Manual, 8 1/2 x 11 inches, 52 pages, 10/76
//08//3838/

GA24-3640

IBM 3895 DOCUMENT READER/INSCRIBER - INPUT DOCUMENT DESIGN GUIDELINES

This publication contains recommended document designs and detailed guidelines for designing and printing input media for the IBM 3895. The information in this publication is for the use of systems analysts, forms manufacturers, designers and printers, and banking personnel. A brief description of the 3895 is included to give the reader a basic understanding of its functional capabilities and requirements.

Related publications are:

- o IBM 3895 Document Reader/Inscriber - Machine and Programming Description.
- o IBM 3895 Document Reader/Inscriber - Input Document Designer and Printer Kit.

Manual, 52 pgs, 3/77
//04//3895/

GA24-3656

IBM 3890 DOCUMENT PROCESSOR MODELS C AND D OPERATOR'S GUIDE

This reference manual contains information necessary to operate the IBM 3890 Document Processor Models C and D including the following optional features:
Item Numbering/Endorsing and Microfilming. The specific operating information includes: A brief description of the standard machine and available optional features, operating controls (keys, lights, and switches), machine operation (document loading and unloading, film loading and unloading), error conditions and recovery procedures, and operator maintenance.

This publication is intended for machine operators and those persons required to operate and control the IBM 3890. No prior operating experience is necessary, but is helpful. A feature of the manual is removable pages containing information to be used with the operator run book.

Operating information for related programming is not included. For more detailed information, refer to IBM 3890

Document Processor Machine and Programming Description,
Order No. GA24-3612.
Manual, 100 pgs, 2/77
//04/3890/

GA26-1615

INTRODUCTION IBM 3330 A-SERIES DISK STORAGE - SYSTEM LIBRARY
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
//07//3330,3333/

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
//07//2835,2305/

GA26-1617

REFERENCE MANUAL FOR IBM 3830 STORAGE CONTROL MODEL 2

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
//07//3830/

GA26-1619

IBM 3340 COMPONENT SUMMARY

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
370//07//3340,3344/

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
//07//3830,3330/

GA26-1620

REFERENCE MANUAL FOR IBM INTEGRATED STORAGE CONTROL

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
3148,3145,3158,3168//13//3345,3333,3330,3340,3344,3350/

GA26-1621

INSTALLATION MANUAL PHYSICAL PLANNING IBM 2984 MODEL 1 CASH ISSUING TERMINAL RPQ 834660

This manual contains technical information, recommendations, and suggestions to be used in installing the IBM 3984-1 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
//15//2984/

GA26-1625

IBM 3348 DATA MODULE HANDLING PROCEDURES

This manual is a guide for handling the IBM 3348 Data Module. It is intended for personnel who operate the 3340 Disk Storage. Except for being familiar with the 3340 Disk Storage, operating personnel need no other prerequisites. The following topics are covered: Introduction, General Handling Procedure, Storage, Receiving and Shipping, Labeling, and Operating Instructions.

Manual, 16 pages
3115,3155,3165,3145,3135,3158,3168,3125//07//3348,3340/

GA26-1630

IBM 3330 SERIES DISK STORAGE MODEL 1 TO MODEL 11 (ELEVEN) CUSTOMER CONVERSION GUIDE

This manual is intended to guide the IBM customer in planning a field conversion of the 3330 Series Disk Storage Model 1 to a 3330 Series Disk Storage Model II. This manual is organized into two distinct categories: hardware and programming considerations. The hardware considerations cover topics concerning bills of material; power and cabling requirements; configuration requisites; and conversion times.

The program considerations define programming support and lists available programs. Also included are procedures for making programming updates to provide for the 3330 Model 11 (ELEVEN).

Manual, 20 pages
370//07//3330/

GA26-1632

IBM 3340 DISK STORAGE - FIXED HEAD FEATURE USERS GUIDE

This manual describes the 3340 Disk Storage Fixed Head Feature. It is intended to provide system and application information to guide systems analysts and experienced

The material presented in this manual requires that users be familiar with Data Management concepts as they

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
//14//2968,2730/

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
//15//2730,2968/

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
//07//2319/

apply in OS and DOS virtual storage programming systems and to have a working knowledge of Job Control Language coding. Manual, 16 pages
370//13//3340/

Number GA22-6821.
Systems Reference Library Manual, 76 pages
//07//2314,2844/

GA26-1633

FORMS DESIGN REFERENCE GUIDE FOR THE IBM 3800 PRINTING SUBSYSTEM.

This publication contains instructions for preparation of forms overlays for the IBM 3800 Printing Subsystem. Included are paper considerations, printer capability, preprinted forms, paper storage requirements, and photo negative specifications. Print charts and overlay master illustrations are included together with tables showing the print character capacities of all common use and ISO paper sizes.

A companion publication with additional information useful for the forms designer is: Introducing the IBM Printing Subsystem and its Programming, Order No. GC26-3829. Manual, 50 pages
//03//3800/

GA26-1634

IBM 3800 PRINTING SUBSYSTEM OPERATORS GUIDE

This publication provides operating instructions for the IBM 3800 Printing Subsystem. These instructions include descriptions of the controls, switches, and indicators used for initial setup, running, and error recovery. This publication is written as a reference for the working operator who has received training in the 3800 printer operation. It is assumed that the user of this manual has a basic knowledge of printer I/O operation. It is not intended to be a self-study text. The publication is intended for the operators who will perform the basic setup, operation, error recovery, and cleaning tasks associated with the 3800.

Manual, 114 pages, 7/76
//03//3800/

GA26-1635

REFERENCE MANUAL FOR THE IBM 3800 PRINTING SUBSYSTEM

This manual provides information on the functions and features of the IBM 3800 Printing Subsystem relating to channel commands, sense bytes, and error detection, recovery, and recording. In addition, specific information and examples are given of copy modification and control, and graphic character modification.

The manual is intended for use by systems analysts, installation managers, systems programmers, and other personnel requiring 3800 reference information. Manual, 105 pages 7/76
//03//3800/

GA26-1638

INTRODUCTION TO IBM 3350 DIRECT ACCESS STORAGE

Intended for experienced data processing personnel, this publication describes the characteristics, formats, features, commands, and compatibility modes of the IBM 3350 Direct Access Storage Subsystem.

Manual, 16 pages
//07//3350/

GA26-1646

3800 PRINTING SUBSYSTEM REFERENCE: OCR DOCUMENT PREPARATION

This manual provides supplemental Optical Character Recognition (OCR) information for systems analysts, forms designers, programmers, and operators. The manual is intended for use in OCR document preparation with the IBM 3800 Printing Subsystem and the IBM 1287/1288, and 3886 Optical Character Readers. Most of the existing OCR manuals contain information that is generally applicable except for some differences which are listed in this manual. Prerequisite knowledge of optical readers and forms design is assumed for users of this manual.

Manual, 16 pgs, 9/76
//03//3800/

GA26-1647

3803-3/3420-3, 5 MAGNETIC TAPE SUBSYSTEM

This manual contains a description of the 3803-3/3420 attachment to IBM System/370 Models 115 and 125. For programmers and operators, this manual contains commands, sense and status bytes, procedures for loading and unloading tape, controls and indicators, and error recovery procedures.

Manual, 60 pgs
3115,3125//05//3803,3420/

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

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
//07//2321,3021/

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
//07//2316,1316,2315,3336/

GA26-5893

IBM 2560 MULTI-FUNCTION CARD MACHINE: COMPONENT DESCRIPTION AND OPERATING PROCEDURES

This publication describes the operating principles and features of the IBM 2560 Multi-Function Card Machine (MFCM). Descriptions of the programmed operations, indicators, and operator's console are included. Since this device is natively attached, you should have a thorough understanding of the using system before using this manual. The book is intended for system engineers, programmers, and operators.

The 2560 is compared with conventional card equipment in file-updating operations. In addition to descriptions and flowcharts of these operations, tables are provided for a ready comparison of the operational steps, card volumes, and running times of the two systems.

Restart procedures for a particular type of program (RPG, IOCS, etc.) are covered in the operating procedures manual associated with the particular program and using system.

Manual
2020,2025,3115,5415,3125//02//2560/

GA26-5988

IBM SYSTEM/360 COMPONENT DESCRIPTIONS--2841 AND ASSOCIATED DASD

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
//07//2841,2302,2311,2321,2303/

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
//06//2260,2848/

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
//06//2250/

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
//06//2250,2840/

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
//09//2703/

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
//09//2711/

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
//09//7770/

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
370, 2030, 2085, 2022//06//2250, 2840/

GA27-2725

IBM 50 MAGNETIC DATA INSCRIBER COMPONENT DESCRIPTION
This manual describes the functional and operating characteristics of the IBM 50 Magnetic Data Inscraper. The IBM 50 Magnetic Data Inscraper 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
//10//0050/

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 Inscraper on the IBM Magnetic Tape Selectric Typewriter System.
Systems Reference Library Manual, 12 pages
2030, 2040, 2050, 2065, 2067, 2075, 2025, 3115, 3155, 3165, 3145, 3135, 2020, 3158, 3168, 3125//05//2495/

GA27-2727

IBM SYSTEM/360 CUSTOM SYSTEMS UNIT 2909 MODEL 3 - ASYNCHRONOUS DATA CHANNEL RPQ F13299 RPQ 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
//15//2909/

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
370, 1131, 2030, 2040, 2044, 2050, 2065, 2067, 2075, 2091, 2085, 2022//06//2285/

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
360, 370//06//2265, 2845/

GA27-2737

IBM 2909-3 ASYNCHRONOUS DATA CHANNEL RPQ 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
//14//2909/

GA27-2739

AN INTRODUCTION TO THE IBM 3270 INFORMATION DISPLAY SYSTEM

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
//09//3270, 3271, 3272, 3275/

GA27-2740

IBM 7412 MODEL 1 CONSOLE, CUSTOM SYSTEMS RPQ 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-Keybaord. 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
//14//7412, 3215/

GA27-2741

INSTALLATION BULLETIN PHYSICAL PLANNING FOR IBM 7412 CONSOLE MODEL 1 CUSTOM SYSTEMS RPQ 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
//15//7412, 3215/

GA27-2742

OPERATOR'S GUIDE FOR IBM 3270 INFORMATION DISPLAY SYSTEMS

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
//09//3270, 3271, 3272, 3275/

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 a more general way to management personnel.
Manual, 110 pages
//09//3270,3271,3272,3275/

Hertz UPS. It (1) discusses input and output power characteristics, operating environmental conditions, and other performance requirements and it (2) describes the UPS required.
Manual, 15 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

GA27-2750

IBM 3270 PROBLEM DETERMINATION GUIDE
This guide is intended for operators using the IBM 3270 Information Display System. On the basis of yes-or-no answers to logical questions, the operator is enabled to determine whether outside assistance is required to resolve an apparent problem. In these cases, the problem area is identified. In other cases, when apparent problems are the result of procedural errors, this is quickly recognized, and the operator is advised to restart the operation.
Manual, approximately 36 pages
//09//3270,3271,3272,3275/

GA27-2772

A UPS INSTALLATION PLANNING GUIDE
This document is intended to assist the IBM System/370 user in determining UPS requirements for his EDP operations and to guide him in planning and implementing the installation of a UPS that will satisfy the requirements. This document is basically a check list that is amplified by descriptive narrative to identify the significant UPS installation planning factors. It is chronologically arranged to cover the period ranging from the earliest planning stage to the final testing and acceptance of the UPS installation at his EDP location.
Manual, 20 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

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
//14//3284,3286/

GA27-2773

IBM 3284/3286 PRINTER CUSTOM FEATURE DESCRIPTION: FORMS TRACTOR (RPQ WD 4031)
This reference manual provides information about IBM 3284 and 3286 Printers which have the Forms Tractor (RPQ WD 4031) attached. It is intended for use by customers, operators, and service personnel. Information contained herein supplements the printer information found in the 3270 System Component Description, Order No. GA27-2749 and the 3270 System Operator's Guide, Order No. GA27-2742. This manual also supports forms tractor printers which have the Vertical Forms Index Control (RPQ EB 4324) installed.
System Library Manual, 12 pages
//14//3284,3286/

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
//14//3284,3286/

GA27-2774

A GUIDE TO USING THE TEST REQUEST FEATURE ON IBM 3270 INFORMATION DISPLAY SYSTEMS
This guide is intended for operators using the IBM 3270 Information Display System. It provides simplified instructions for using the Test Request Feature, commonly known as RFTs (Request for Test procedures). Although the information has appeared in several other publications, its presentation in this self-contained booklet makes it readily accessible and more likely to be used when desirable.
System Library, 32 pages
//13//3270,3271,3272,3275/

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
//14//3270,3271,3272,3275/

GA27-2775

IBM 3270 INFORMATION DISPLAY SYSTEM CUSTOM FEATURE DESCRIPTION SIGNATURE DISPLAY (RPOS 7U0010, 8K0438)
This document describes the Signature Display Feature, an option for the IBM 3277 Display Station Models 1 and 2. (The 3277 is a unit of the IBM 3270 Information Display System.)
In addition to presenting a general description of the feature, the document briefly discusses Signature Display's basic functions, data-handling characteristics, and alphanumeric display capabilities.
System Library Manual, 12 pages
//14//3270,3271,3272,3275,0129/

GA27-2759

IBM 3270 INFORMATION DISPLAY SYSTEM: A HUMAN FACTORS STUDY OF WORK STATION DESIGN
This document describes, and gives dimensions of, three basic work stations that may be used to support the 3270 CRT terminals. Other general considerations are also briefly discussed.
Manual
//09//3270,3271,3272,3275/

GA27-2787

IBM 3270 INFORMATION DISPLAY SYSTEM INSTALLATION MANUAL--PHYSICAL PLANNING
This publication provides physical planning information for the units of the IBM 3270 Information Display System. Included is information on floor planning, electrical and environmental requirements, cabling and machine specifications and descriptions.
Manual, 40 pages (6/75)
//15//3270,3271,3272,3275/

GA27-2770

A GUIDE TO 60 HERTZ UPS SELECTION
The Power Warning Feature provides for an automatic interruption and permits implementation of orderly shutdown and recovery procedures following power-line disturbances on System/370 Models 158 and 168 supported by an Uninterruptible Power Supply (UPS). This manual provides information to guide the customer in the selection of a 60-Hertz UPS. It (1) discusses input and output power characteristics, operating environmental conditions, and other performance requirements and it (2) describes the UPS required.
Manual, 16 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

GA27-2788

AN INTRODUCTION TO THE IBM 3270 DATA ANALYSIS - APL FEATURE
This manual introduces the IBM 3270 Data Analysis - APL Feature to present and potential 3270 users. The contents include descriptions of the feature and display system components, with emphasis placed on the Data Analysis APL Feature keyboard. Basic operation of these components is discussed. Several appendixes are included for reference purposes.
Manual
//13//3270,3271,3272,3275/

GA27-2771

A GUIDE TO 50 HERTZ UPS SELECTION
The Power Warning Feature provides for an automatic interruption and permits implementation of orderly shutdown and recovery procedures following power-line disturbances on System/370 Models 158 and 168 supported by an Uninterruptible Power Supply (UPS). This manual provides information to guide the customer in the selection of a 50-

GA27-2805

ASSEMBLY OF COAXIAL CABLES AND ACCESSORIES FOR ATTACHMENT TO IBM PRODUCTS
This manual contains information necessary for the assembly of coaxial cables. Included are step-by-step procedures for attaching BNC connectors to coax cable, installation of station protectors, the attachment of coax cable to the protector, and conversion of 2260 cables for use with 3270 system.
Manual
//15//2260,3270,3271,3272,3275/

GA27-2827

IBM 3270 INFORMATION DISPLAY SYSTEM SETUP PLANNING GUIDE;
IBM 3274 CONTROL UNIT, IBM 3276 CONTROL UNIT/DISPLAY
STATION, IBM 3278 DISPLAY STATION, IBM 3287 PRINTER, IBM
3289 LINE PRINTER

This manual contains planning information for customers, planners, and IBM marketing representatives who may be responsible for planning the setup of the 3274, 3276, 3278, 3287, and 3289 units.
 Manual, 8 1/2 x 11 inches, no hard covers, 60 pages, 5/77
 //09//3274,3276/

GA27-2828

IBM 3270 INFORMATION DISPLAY SYSTEM DESCRIPTION,
CONFIGURATION, AND PHYSICAL PLANNING
IBM 3287 PRINTER MODEL 1 AND 2

This publication provides customers, installation planners, and marketing representatives with the description, configuration, and physical planning details of the IBM 3287 Printer Models 1 and 2, which are available with the 3270 Information Display System. This interim document is to be used in conjunction with two publications: An Introduction to the IBM 3270 Information System, GA27-2739-6, and IBM 3270 Information Display System Installation Manual Physical Planning, GA27-2787-0. The contents of this interim document will be incorporated in future editions of those publications.
 Manual, 8 1/2 x 11 inches, 30 pgs, 5/77
 //09//3287/

GA27-3001

IBM 2740/2741 COMMUNICATIONS TERMINAL - OPERATOR'S GUIDE

This publication describes the setup and operating procedures for the IBM 2740 and IBM 2741 Communications Terminals when operating in local and communicate mode. The line-control signals and transmission controls are fully described for each terminal. Removal and replacement procedures for the typewriter are also fully described along with recommended typing procedures to ensure the most efficient operation of the terminals.
 Systems Reference Library Manual, 62 pages
 //09//2740,2741/

GA27-3004

GENERAL INFORMATION - BINARY SYNCHRONOUS COMMUNICATIONS

This publication describes the Binary Synchronous Communications (BSC) procedures in general terms. The major topics covered are: BSC concepts (including transmission codes and data-link operation), message formats, additional data-link capabilities, and planning considerations.
 Systems Reference Library Manual, 36 pages
 //09//

GA27-3005

IBM 2780 DATA TRANSMISSION TERMINAL - COMPONENT DESCRIPTION

This Component Description manual describes the principles of operation of the IBM 2780 Data Transmission Terminal. The data-link control characters, code structures, timeouts, and throughput rates associated with the Binary Synchronous method of transmission are described.
 The communications facilities, data sets, and special features available for this Tele-processing terminal are also discussed.
 Systems Reference Library Manual, 78 pages
 //09//2780/

GA27-3006

IBM REMOTE MULTIPLEXERS AND COMMUNICATIONS TERMINALS
INSTALLATION MANUAL - PHYSICAL PLANNING

This publication contains physical planning information for IBM Remote Multiplexers and Communications Terminals. Included are physical specifications, electrical and environmental requirements, cabling requirements, and available communications facilities.
 Systems Reference Library Manual, 64 pages
 /C/15//

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
 //09//2760/

GA27-3013

SYSTEM COMPONENTS: IBM 2770 DATA COMMUNICATION SYSTEM
 This System Components manual describes the principles of operation of the component units of the IBM 2770 Data Communication System. The data link control characters, code structures, and timeouts associated with the Binary Synchronous method of transmission used by the 2770 are

described. Also described are the operating characteristics of the various input/output devices and the specifications of the input/output media. Special features and specify features for all system units are included.

This manual comprises descriptions of individual units within the 2770 Data Communication System.
 Systems Reference Library Manual
 //09//2770,2772/

GA27-3015

IBM 2790 DATA COMMUNICATION SYSTEM COMPONENT DESCRIPTION

The IBM 2790 Data Communication System is a two-way, in-plant communication and production reporting system. This publication describes the units of the 2790 system, along with its capabilities, features, and applications. This publication presumes a telecommunications background and IBM System/360 experience. The purpose of this publication is to assist programmers and systems analysts in designing and operating the 2790 system.

This publication describes the 2790 system using the 2715 Transmission Control Unit as the system controller.

IBM 2793 Area Station
 IBM 2795 Data Entry Unit
 IBM 2796 Data Entry Unit
 IBM 2797 Data Entry Unit
 IBM 2798 Guidance Display Unit
 IBM 1035 Badge Reader
 IBM 1053 Printer

Systems Reference Library Manual, 78 pages
 //09//2790,2791,2793/

GA27-3017

IBM 2790 DATA COMMUNICATION SYSTEM INSTALLATION MANUAL
PHYSICAL PLANNING

This manual provides technical information necessary for planning the physical installation of the IBM 2790 Data Communications System. Included are physical specifications and electrical requirements for each unit of the system. Typical system configurations with interunit cabling requirements are presented.

The intended customer audience includes facilities planners such as architects and consultants, contractors, operating management of the system, building superintendents, and communications technical representatives.

The intended IBM audience includes Sales Representatives, Systems Engineers, Installation Planning Representatives, and Customer Engineers.
 System Reference Library Manual, 66 pages
 //15//2790,2791,2793/

GA27-3019

IBM 2770 DATA COMMUNICATION SYSTEM
INSTALLATION MANUAL--PHYSICAL PLANNING

This publication presents detailed information concerning the physical characteristics of the IBM 2770 Data Communication System. Dimensions, weights, service clearances, physical information for each unit, and environmental and electrical requirements are included. Particular attention is devoted to information necessary for the customer to prepare his premises for actual installation of equipment. Planning assistance is available from IBM sales and installation planning representatives.
 Systems Reference Library Manual, 42 pages
 //15//2770,2772/

GA27-3021

IBM 2790 CONFIGURATOR

The IBM 2790 Configurator is written for IBM Salesmen, IBM Systems Engineers, and customer system evaluation management. This manual illustrates configurations for IBM 2790 Data Communications Systems attached to System/7, System/360, System/370, or to an IBM 1800 Data Acquisition and Control System. Diagrams show the relationship of all units in the system. Domestic and World Trade systems are shown in table and chart form to provide standard, special, and specify feature information.
 System Reference Library Manual, 22 pages
 //00//2790,2791,2793/

GA27-3029

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
 //09//2721/

GA27-3035

IBM 2790 DATA COMMUNICATION SYSTEM OPERATOR'S GUIDE

The IBM 2790 Data Communication System is a two-way, in-plant communication and production reporting system. This publication is designed as a guide for operating the units of the 2790 system. Operational information about the following units and features is included:

IBM 2715 Transmission Control Unit
 IBM 2791 Area Stations
 IBM 2792 Remote Communications Controllers
 IBM 2793 Area Station
 IBM 2795 Data Entry Unit

Systems Reference Library Manual, 80 pages
 //09//2790,2715,2791,2793,2795/

GA27-3038

OPERATOR'S GUIDE: IBM 2770 DATA COMMUNICATION SYSTEM

This Operator's Guide is designed specifically for personnel operating or implementing the IBM 2770 Data Communication System. Step-by-step operating procedures and flowchart-type error recovery procedures are included for the control unit and for each of the input/output devices.

The procedures for initiating, answering and terminating a switched-network communications link with another terminal or processor are discussed. Error message formatting and transmission procedures are also described in detail.

Operator's Guide, 150 pages
 //09//2770,2772/

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
 //09//2721/

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
 360,370//09//3735/

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
 /C/15//2976/

GA27-3051

INTRODUCTION TO THE 3704 & 3705 COMMUNICATIONS CONTROLLERS

The IBM 3704 and 3705 Communications Controllers are compatible, programmed transmission control units designed to assume many teleprocessing control functions formerly assigned to a teleprocessing access method. The 3704 and 3705 are controlled by programs resident in the controller.

This publication contains introductory information on the hardware components of the controllers and on the programs provided to support them. Any user or potential user of a 3704 or 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
 //09//3705,3704/

GA27-3058

IBM 3872 MODEM USER'S GUIDE

The IBM 3872 Modem can transfer data at rates of 2400 or 1200 bits per second. It operates on dedicated (leased or privately owned), voice-grade communications facilities. In the USA and Canada, the 3872 also operates on the public switched network.

In this publication, the 3872 is described as an item of equipment in the medium-speed modem field. The manual is in four main parts: Part 1 describes (in general terms) the IBM 3872 Modem, planning considerations, and equipment and facility considerations; Part 2 presents 3872 operating procedures and offline problem determination procedures; Part 3 describes (in detail) the IBM 3872 Modem: interface specifications, installation specifications, channel specifications, and special features. Considerations in using the 3872 in World Trade countries are included in appropriate places in the manual and are summarized in Part 4, which also contains the glossary.

This publication is intended for system planners, systems engineers, installation planners, operators, and supervisory personnel. A knowledge of teleprocessing systems is a prerequisite for Part 3 only. Operator information (Part 3) is separated from general and specific descriptive information, for easier accessibility.

System Library User's Guide, 70 pages
 //09//3872/

GA27-3061

IBM 3735 PROGRAMMABLE BUFFERED TERMINAL OPERATOR'S GUIDE

The IBM 3735 Programmable Buffered Terminal consists of two cable-connected units: a keyboard/printer and a control unit. In its typical application, the 3735 is used to prepare source documents (preprinted forms on which the terminal operator adds variable information). Programs, stored within the 3735 control unit, guide the operator during preparation of the forms, and cause selected input data to be stored for later batch transmission to a central data processing system.

This operator's guide introduces the 3735 and describes its operating procedures. Both normal operating procedures and error recovery techniques are described.

The manual assumes that the user has been previously trained in the operation of an office typewriter such as the IBM Selectric.

Manual, 100 pages
 //09//3735/

GA27-3062

IBM 3872 MODEM PROBLEM DETERMINATION CARD

This foldout card document normally accompanies a 3872 Modem to help the customer determine who to call when a communications channel using the 3872 becomes troublesome.

8-1/2 x 11 inches, 8 cards
 //09//3872/

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
 //09//3780,3781/

GA27-3066

SUPPLEMENTARY OPERATOR'S AND PROGRAMMER'S GUIDE INFORMATION CARD IBM 3735 WITH IBM 129 CARD DATA RECORDER (RPO#EB1935)
This card contains information on setup and operation, switches, the card deck, column indicator, errors, and recovery.

This guide supplements information contained in the following manuals:

Operator's Guide for IBM 3735 Programmable Buffered Terminal (GA27-3061)
IBM 3735 Programmer's Guide (OS and DOS Systems) (GC30-3001)
IBM 129 Card Data Recorder/Machine Description (GA22-6980)
Guide Card, 2 pages
//14//3735/

GA27-3069

SUPPLEMENTARY OPERATOR'S AND PROGRAMMER'S GUIDE INFORMATION IBM 3735 WITH IBM KEYPAD UNIT AND FILE SEARCH (RPO #853102)
This guide supplements information in the following manuals:

Operator's Guide for IBM 3735 Programmable Buffered Terminal (GA27-3061)
IBM 3735 Programmer's Guide (OS and DOS Systems) (GC30-3001)
The operation of the Keypad standalone unit is the same as the Keypad on the 3735 Selectric keyboard, except that the standalone Keypad provides a 48 character buffer.
Form
//14//3735/

GA27-3073

IBM 3735 WITH AUTO FDP EXECUTION RPO #MB7057 OPERATOR'S CARD
This guide supplements information contained in the Operator's Guide for IBM 3735 Programmable Buffered Terminal (GA27-3061).

It is intended for personnel who have been previously trained on an office typewriter such as the IBM Selectric.
Card, 2 pages
//14//3735/

GA27-3086

GUIDE TO USING THE IBM 3704 COMMUNICATIONS CONTROLLER CONTROL PANEL

This publication is a 3704 control panel guide for the systems programmers, the systems engineers, the customer engineers, and the programming service representative with a knowledge of the internal operation of the 3704 and a need to use the control panel for normal operation, testing, or diagnostics. It primarily describes the functions and uses of the 3704 control panel.

For the operator, an IBM 3704 Operator Reference Summary is provided with this manual to be used as an easy reference for preparing the 3704 for operation and for handling basic error conditions.

This manual is divided into five sections and five appendixes.

Section 1 describes the general capabilities of the 3704 control panel and how to use the panel.

Section 2 describes the basic and advanced program independent control panel procedures for the 3704.

Section 3 describes the 3704 control panel procedures used with the Emulation Program.

Section 4 describes the 3704 control panel procedures used with the Network Control Program.

Section 5 is an alphabetical list of the 3704 panel controls that summarizes their functions and provides a cross-reference to the applicable procedures.

The appendixes provide supplementary information needed to execute and interpret certain of the control panel procedures.

A special feature of the manual is a foldout diagram of the 3704 control panel (Appendix D). The 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.

The information in this manual was previously in the IBM 3704 and 3705 Communications Controllers Operator's Guide (GA27-3055). The 3705 information, previously a part of the Operator's Guide, is now in the Guide to Using the IBM 3705 Communications Controller Control Panel.

Manual, 138 pages
//09//3704/

GA27-3087

GUIDE TO USING THE IBM 3705 CONTROL PANEL

This publication is a 3705 control panel guide for the systems programmer, the systems engineer, the customer engineer, and the programming service representative with a knowledge of the internal operation of the 3705 and a need to use the control panel for normal operation, testing, or diagnostics. It primarily describes the functions and uses of the 3705 control panel.

For the operator, an IBM 3705 Operator Reference Summary is provided with this manual to be used as an easy reference for preparing the 3705 for operation and for handling basic error conditions.

A special feature of the manual is a foldout diagram of the 3705 control panel. The 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.

The information in this manual was previously in the IBM 3704 and 3705 Communications Controllers Operator's Guide GA27-3055. The 3705 information previously a part of the Operator's Guide is now in the Guide to Using the IBM 3705 Control Panel.
Manual, 76 pages
//09//3705/

GA27-3091

IBM 3704 OPERATOR REFERENCE SUMMARY

IBM 3704 Operator Reference Summary This reference card accompanies the Guide to Using the IBM 3704 Control Panel (or may be ordered separately) and provides the operator with an easy reference for basic 3704 operating procedures.

It lists the procedures to be followed in preparing the 3704 for operating (up to IPL) and the basic error recovery procedures.

Reference Summary, 6 panels
//09//3704/

GA27-3092

IBM 3705 OPERATOR REFERENCE SUMMARY

This reference card accompanies the Guide to Using the IBM 3705 Control Panel (or may be ordered separately) and provides the operator with an easy reference for basic 3705 operating procedures.

It lists the procedures to be followed in preparing the 3705 for operation (up to IPL) and the basic error recovery procedures.

Reference Summary, 6 panels
//09//3705/

GA27-3093

SYNCHRONOUS DATA LINK CONTROL GENERAL INFORMATION

This manual describes the procedures that comprise Synchronous Data Link Control (SDLC). It includes a brief background and a basic description to familiarize the reader with the terminology and concepts of SDLC. This is followed by a catalog of the components of SDLC and some representative examples of their uses.

Readers who have no prior knowledge of data communications line control should refer to: IBM Introduction to Teleprocessing, GC20-8095-02 before attempting to understand the material presented in this publication.

The IBM Data Processing Glossary, GC21-1699, is a useful reference for the definitions of terms used in this manual. A reader who is familiar with other systems of line control should not assume that familiar terms have the same definitions in SDLC procedures.

This manual does not provide instructions for the implementation of SDLC, nor does it describe any specific information about an IBM SDLC implementation, refer to the appropriate IBM publication for that machine or system.
Manual, 60 pages
370//09///

GA27-3094

OPERATING PROCEDURES GUIDE: IBM 3774 AND 3775 COMMUNICATION TERMINALS

This Operating Procedures Guide is designed specifically for personnel writing detailed operator procedures for IBM 3774 or IBM 3775 Communication Terminal job applications, and for operators of the terminals. Included are:

- o Operating procedures for the basic configuration (the console printer, the keyboard, the operator's console, and the controller).
- o Operating procedures for the input and output devices.
- o Job definition and job start procedures for the terminal.
- o Error recovery and problem identification procedures for the terminal.

This guide describes the purpose and use of the terminal's controls as they apply to all jobs. You can use this manual in preparing a detailed operator procedure for a specific job in your application.

Manual, 200 pages
//09//3774,3775/

GA27-3095

REFERENCE CARD: IBM 3774 AND 3775 COMMUNICATION TERMINALS

This Reference Card summarizes information that is already included in the Operating Procedures Guide: IBM 3774 and 3775 Communication Terminals (GA27-3094), and gives a quick reference to the information needed for the routine operation of the IBM 3774 or IBM 3775 Communication Terminals.

Reference Summary, 4 pages
//09//3774,3775/

GA27-3096

IBM 3767 MODELS 1 & 2 COMMUNICATION TERMINAL COMPONENT DESCRIPTION

This manual describes the IBM 3767 Communication Terminal, a multipurpose terminal that communicates with an IBM System/370. The information it contains is directed to customer executives, systems analysts, and systems engineers already

aware of the operating procedures for the applications in which they plan to use the terminal.

The first chapter gives an overview of the 3767. It describes the applications and features of the 3767 and the communication facilities required.

The chapter on operating controls follows the chapters on operating characteristics and special features so that the reader can better appreciate the functions of these controls.

Information on installation and physical planning is given in IBM Remote Multiplexers and Communications Terminals Installation Manual -- Physical Planning, GA27-3006. Manual, 80 pages
//09//3767/

GA27-3097

IBM 3770 DATA COMMUNICATION SYSTEM-- SYSTEM COMPONENTS

This publication presents introductory and reference information about the IBM 3770 Data Communication System. It describes the capabilities and functions provided by this system for those concerned with planning for a teleprocessing network or for integrating the terminals into an existing network. It is also a reference source for system and application programmers, and for personnel planning job setups for the 3770. Application personnel planning job setups for the 3770 will also require a copy of the publication IBM 3770 Operating Procedures Guide, GA27-3094.

It is assumed that the reader of this manual understands the concept and application of the IBM System/370 in a teleprocessing environment, and is familiar with data link control procedures-- Synchronous Data Link Control (SDLC) or Binary Synchronous Communications (BSC), whichever is used. Manual, 100 pages
//09//3770,3771,3773,3774,3775,3776,3777/

GA27-3099

ADVANCED FUNCTION FOR COMMUNICATIONS: SYSTEM SUMMARY

This manual provides summary information about IBM System Network Architecture elements, a selection of equipment and programs comprising compatible components as a basis for a data communications network. It briefly describes the concepts of the System Network Architecture and the interrelationships of its components. Short descriptions of equipment components are also included. Manual, 28 pages
370//09///

GA27-3100

OPERATING PROCEDURES GUIDE: IBM 3771 AND 3773 COMMUNICATION TERMINAL

This Operating Procedures Guide is directed specifically to personnel writing detailed operator procedures for IBM 3771 or IBM 3773 Communication Terminal job applications, and for operators of the terminals. Included are:

- o Operating procedures for the basic configuration (the console printer, the keyboard, the operator's console, and the controller).
- o Operating procedures for the input and output devices.
- o Job start procedures for the terminals.
- o Error recovery and problem identification procedures for the terminals.

This guide describes the purpose and use of the terminal's controls as they apply to all jobs. You can use this manual in preparing a detailed operator procedure for a specific job in your application. Manual, 120 pages
//09//3771,3773/

GA27-3101

IBM 3771 AND 3773 COMMUNICATION TERMINALS REFERENCE SUMMARY

This Reference Summary contains information that is already included in the Operating Procedures Guide: IBM 3771 and 3773 Communication Terminals (GA27-3100), and gives a quick reference to the information needed for the routine operation of the IBM 3771 or IBM 3773 Communication Terminals. Reference Card, 1 page
//09//3771,3773/

GA27-3102

SYSTEMS NETWORK ARCHITECTURE GENERAL INFORMATION MANUAL

This manual provides general information on Systems Network Architecture (SNA). It is a basic description to equip the reader with knowledge of the terminology, concepts, and scope of SNA.

This manual does not provide instructions for implementing SNA, nor does it describe any specific equipment or programs that may be needed to implement SNA. For specific details about an IBM SNA implementation, refer to the appropriate publication for that product. Manual, 56 pages
370//09///

GA27-3103

3770 DATA COMMUNICATION SYSTEM CUSTOMER SITE PREPARATION GUIDE

This Reference manual will be given to the customer by the IBM Marketing Representative at the time the customer orders a 3770 Data Communication System. The manual provides the

customer with the information necessary to prepare his site for the installation of the 3770 which he will perform. Handbook, 50 pages
//09//3770,3771,3773,3774,3775,3776,3777/

GA27-3104

3767 COMMUNICATION TERMINAL CUSTOMER SITE PREPARATION GUIDE

This manual will be given to the customer by the IBM Marketing Representative at the time the customer orders a 3767 Communication Terminal. The manual provides the customer with the information necessary to prepare his site for the installation of the 3767 which he will perform. Reference Summary, 15 pages
//15//3767/

GA27-3106

OPERATOR'S INTRODUCTION TO THE 3767 COMMUNICATION TERMINAL

This brochure is intended to serve as the preferred means of first exposure to the equipment (i.e., before delivery) by presenting to the prospective user or operator some of the characteristics and features of the 3767 Communication Terminal. Locations and functions of keys and controls are presented in a facts-folder format. Reference Summary, 18 pages
//09//3767/

GA27-3107

OPERATING PROCEDURES GUIDE: IBM 3776 COMMUNICATION TERMINAL

This Operating Procedures Guide is directed to personnel writing detailed operator procedures for IBM 3776 Communication Terminal job applications, and for operators of the terminals. Included are: (1) operating procedures for the basic configuration (the printer, the keyboard, the operator's console, and the controller), (2) Operating procedures for the input and output devices; (3) job definition and job start procedures for the terminal, and (4) error recovery and problem identification procedures for the terminal. Manual, 148 pages
//09//3776/

GA27-3108

IBM 3776 COMMUNICATION TERMINAL REFERENCE SUMMARY

This reference summary contains information that is already included in the Operating Procedures Guide: IBM 3776 Communication Terminal, GA27-3107, and provides a quick reference to information needed for routine operation of the 3776. Use the Operating Procedures Guide if you need more detailed information about terminal operation than is provided in this summary. Reference card, 4 panels
//09//3776/

GA27-3113

IBM 3773, 3774, AND 3775 PROGRAMMABLE COMMUNICATION TERMINALS REFERENCE SUMMARY

This reference summary contains information that is already included in the publication IBM 3773, 3774, and 3775 Programmable Communication Terminal Operator's Guide, GA27-3114, and provides a quick reference to information needed for routine operation of these terminals. For more detailed information about terminal operation, the Operator's Guide must be used. Reference card, 5 panels
//09//3773,3774,3775/

GA27-3114

3773, 3774, 3775 PROGRAMMABLE COMMUNICATION TERMINAL OPERATOR'S GUIDE

No abstract available. Manual, 200 pages
//09//3773,3774,3775/

GA27-3116

IBM SYSTEMS NETWORK ARCHITECTURE INTRODUCTION

Systems Network Architecture (SNA) is a design for a total data communications system that offers many advantages over systems of the past. This publication introduces the major concepts of SNA and relates them to the advantages an SNA network offers the data communications user.

The IBM Systems Network Architecture Introduction manual is intended only for the data communication manager considering installing or converting to a data communication system designed to SNA specifications.

The SNA Introduction manual answers four questions a potential SNA user might ask:

- (1) What is SNA? - A brief introduction to SNA concepts.
- (2) What does SNA offer that is not available in pre-SNA data communication networks? - The advantages of SNA as a means of reducing many of the limitations inherent in pre-SNA systems.
- (3) What equipment and programs are used to put SNA into operation? - A summary of the components of a data communications system and the IBM products that fulfill SNA requirements for each component.
- (4) What is the conversion path from existing networks to an SNA network? - A look at the conversion aids available to ease the transition from current networks to SNA. Manual, 24 pages, 2/76

370//09///

Manual, 10 pages, 5/76
//14//3767/

GA27-3120

IBM 2790 INSTALLER'S GUIDE

This publication gives simple installation techniques and precautions that, when followed, will insure proper cable installation. It should be used as an on-the-job reference for terminating cable ends, making splices, connecting grounds and testing the cable installation.
Manual, 3 5/8" x 8 1/2", 44 pages, 1/76
//15//2790,2791,2793/

GA27-3123

3767 COMMUNICATION TERMINAL FRONT DOCUMENT INSERT DEVICE USER'S INFORMATION ADDENDUM (RPQ MF5272)

This manual is a supplement to user information for the 3767 Communication Terminal equipped with the Front Document Insertion Device (RPQ MF5272). This device enables the operator to easily insert documents for printing in front of the terminal platen without having to use the platen knobs.

This manual furnishes the information needed by management, programming, and operator personnel to successfully use this device.

Major subjects include: operating procedures, paper specifications, and print specifications.

It is essential that users of this manual be familiar with the 3767 Communication Terminal characteristics and operating procedures, and the following manuals: IBM 3767 Model 1, 2, and 3 Communication Terminal Component Description, GA27-3096, and IBM 3767 Communication Terminal Operator's Guide, GA18-2000.

Manual, 12 pages, 7/76
//14//3767/

GA27-3124

OPERATING PROCEDURES GUIDE: IBM 3777 COMMUNICATION TERMINAL

This operating procedures guide is directed to personnel writing detailed operator procedures for the IBM 3777 Communication Terminal, and for operators of the terminal. This manual also includes operating procedures for the IBM 3203 Printer, and for other devices that can be attached to the 3777. Users of this manual should already be familiar with the information contained in the publication IBM 3770 Data Communication System, System Components, GA27-3097.
Manual, 140 pages 8/76
//09//3777/

GA27-3125

3777 COMMUNICATION TERMINAL REFERENCE SUMMARY

This reference summary contains information that is already included in the Operating Procedures Guide: IBM 3777 Communication Terminal, GA27-3124, and provides a quick reference to information needed for routine operation of the 3777. Use the Operating Procedures Guide if you need more detailed information about terminal operation than is included in this summary.

Reference Card, 2 pages, 8/76
//09//3777/

GA27-3126

3767 COMMUNICATION TERMINAL PINFEED PLATEN USER INFORMATION (RPQ EG0314 AND 851142)

This manual is a supplemental source of user information for the 3767 Communication Terminal equipped with the Pinfeed Platen Device (RPQs EG0314 and 851142). These devices allow accurate feeding of marginally prepunched forms.

Major subjects include descriptions of components which are part of the pinfeed platen devices, platen removal and installation procedures, and forms insertion procedures.

This manual furnishes the information needed by management and operator personnel to successfully use this device.

It is essential that users of this manual be familiar with the 3767 Communication Terminal characteristics, operating procedures, and the contents of the following manuals: IBM 3767 Model 1, 2, and 3 Communication Terminal Component Description, GA27-3096, and IBM 3767 Communication Terminal Operator's Guide, GA18-2000.

Manual, 10 pages, 3/76
//14//3767/

GA27-3127

3767 COMMUNICATION TERMINAL INTEGRATED MODEM WITH AUTO-ANSWER AND DIAL DISCONNECT (RPQ 853134) USER INFORMATION ADDENDUM

This manual is a supplemental source of user information for the 3767 Communication Terminal equipped with Integrated Modem with Auto-Answer and dial Disconnect (RPQ 853134).

This modem makes possible manual dial-up auto answer over a point-to-point switched communications network.

Major subjects include: Description of Functions, and Installation of Modem Data Cable. This manual furnishes the User with all information necessary to use a terminal equipped with this modem.

It is essential that users of this manual be familiar with the 3767 Communication Terminal characteristics and operating procedures, and the following manuals: IBM 3767 Model 1, 2, and 3 Communication Terminal Component Description, GA27-3096, and IBM 3767 Communication Terminal Operator's Guide, GA18-2000.

GA27-3129

IBM 3777 MODEL 2 COMMUNICATION TERMINAL OPERATOR'S GUIDE

This manual is directed to operators of the IBM 3777 Model 2 Communication Terminal. This manual describes the operation of the IBM 3777 Model 2 Communication Terminal operating with a System/360 Model 20 Submodel 5 BSC MULTI-LEAVING workstation program, and communicating with a System/370 using one of the following BSC MULTI-LEAVING programming systems:

- o OS/VS1 RES
- o OS/VS2 HASP
- o OS/VS2 JES2
- o OS/VS2 ASP
- o OS/VS2 JES3
- o VM/370 RECS

It is assumed that the user of this manual is already familiar with the programming system used. In conjunction with this Operator's Guide, the user will also require a copy of the programming systems publication that describes the system commands for controlling the system (refer to the publication IBM System/370 Bibliography, GC20-0001). Additional information about the IBM 3777 Model 2 can be found in the publication IBM 3770 Data Communication System, System Components, GA27-3097.

Manual, 8 1/2 x 11 inches, 140 pgs, 11/76
//09//3777/

GA27-3131

3771, 3773, AND 3774 COMMUNICATION TERMINALS OPERATOR TIPS

Operator Tips provides hints for identifying and correcting problems with the terminal's printer, or problems in on-line operation. It supplements, but is not intended to replace, the terminal's Operating Procedures Guide.

8 x 8 x .015 Polished white opaque vinyl plastic, 2 pgs, 10/
//09//3771,3773,3774/

GA27-3132

3775 AND 3776 COMMUNICATION TERMINALS AND IBM 3784 LINE PRINTER OPERATOR TIPS

Operator Tips provides hints for identifying and correcting problems with the terminal's printer, or problems in online operation. It supplements, but is not intended to replace, the terminal's Operating Procedures Guide.

8 x 8 x .015 Polished white opaque vinyl plastic, 2 pgs, 10/
//09//3775,3776,3784/

GA27-3136

IBM SYSTEMS NETWORK ARCHITECTURE REFERENCE SUMMARY

This handbook contains summary information about the structure of SNA and SDLC, but mainly contains format and profile descriptions, and sense codes. All of the currently-used field-formatted RUs are included, as well as all of the currently-used sense codes. The information contained in this handbook is intended to supplement the information contained in various manuals on specific IBM SNA products.

Handbook, 3 5/8 x 8 1/2 inches, Saddle Stitch, 36 pgs, 3/77
/C/30//5741,5742,5752,5745

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
360,370//05//2401,2402,2403,2404,2415,2420,3410,3411,3420/

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
//05//2420/

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.

Readers should be familiar with the contents of 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
//05//3803,3420/

GA32-0021

IBM 3803-2/3420 MAGNETIC TAPE SUBSYSTEMS
SUBSYSTEM DESCRIPTION

This manual describes the IBM 3803 Model 2 Tape Control and the IBM 3420 Models 3 through 8 Magnetic Tape Units. The 3803 Model 2 Tape Control provides communication between the tape units and the system input/output interface.

The 3420 Models 3/4, 5/6, and 7/8 read and write one-half inch magnetic tape at 75, 125, and 200 inches per second respectively. The 3420 Models 4, 6, and 8 read and write 9-track 6,250 bytes per inch (bpi) group coded recording (GCR) format.

The basic 3420 Models 3, 5, and 7 read and write nine track, 1,600 bpi, phase-encoded format. Nine track, 800 bpi NRZI recording mode and seven-track 800/556/200 bpi NRZI recording mode are available as features on the 3420 Models 3, 5, and 7 and on the 3803 Model 2.

A reader should be familiar with IBM System/360 Principles of Operation, GA22-6821 (section on I/O operations) and IBM System/370 Principles of Operation, GA22-7000 (section on I/O operations).
Manual, 60 pages
//05//3803,3420/

GA32-0022

IBM 3410/3411 MAGNETIC TAPE SUBSYSTEM COMPONENT DESCRIPTION
MANUAL

This manual describes the IBM 3410/3411 Magnetic Tape Subsystem, Models 1, 2, and 3. In most instances, operational descriptions are limited to the channel and command level. Operations common to all I/O devices are described in IBM System/360 Principles of Operation, Form GA22-6821, and IBM System/370 Principles of Operation, Form GA22-7000.

Subjects covered include keys and lights, tape handling procedures, status and sense information, and error recovery procedures.

Systems Programmers who are writing programs for magnetic tape
Systems engineers who are planning installation using magnetic tape
Sales personnel

Manual, 44 pages
//05//3410,3411/

GA32-0023

IBM 3803/3420 CUSTOMER CONVERSION GUIDE

This document guides the IBM marketing representative and the IBM customer in planning a field conversion of 3803-1 and 3420-3, 5, 7 tape subsystems to 3803-2 and 3420-4, 6, 8 (6250 bpi) tape subsystems.

Notify the IBM Field Engineering Representative early in the planning stages of the conversion. An early conference with him should be helpful to both of you.

Manual, 16 pages
3138,3148,2030,2040,2050,2065,2067,2075,2091,2085,3195,
3033,3155,3165,3145,3135,2022,3158,3168//05//3803,3420/

GA32-0028

INTRODUCTION TO THE IBM 3850 MASS STORAGE SYSTEM (MSS)

This publication is designed to convey information about the IBM 3850 Mass Storage System. It is intended for data processing executives, operations managers, systems programmers and other professional data processing personnel. It assumes familiarity with data processing concepts and terminology.

Manual, 84 pages
//07//3850,3851/

GA32-0029

IBM 3850 MASS STORAGE SYSTEM (MSS) PRINCIPLES OF OPERATION

This manual describes the functions of each of the components of the IBM 3850 Mass Storage System (MSS). The commands, orders, and response codes for each component are described. The intended audience is the system programmer and system analyst.

Manual, 250 pages
//07//3850,3851/

GA32-0030

IBM 3850 MASS STORAGE SYSTEM (MSS)
INSTALLATION GUIDE

This manual is intended to assist the 3850 installation teams. It documents the experience gained from early installations. The manual also offers recommendations or alternate solutions to many of the data migration and conversion problems.

Manual
//07//3850,3851/

GA32-0031

3850 DATA CARTRIDGE CARE AND HANDLING INSTRUCTIONS

This manual is intended for anyone who handles the IBM 3850 Data Cartridge. The manual describes the operating and storage environment, the receiving and shipping of cartridges, and how to inspect for physical damage to the cartridge.

Manual
//07//3850,3851/

GA33-0001

IBM 3875 MODEM USER'S GUIDE

This manual is intended for anyone who handles the IBM 3875 Modem is described, and interface details, installation planning, and operating and operator maintenance procedures are given. Differences between operation in the USA and other countries are described in the appropriate parts of the publication, and a summary is given in an appendix.

The content is intended for:

- o Systems Engineers
- o Installation Planning Engineers
- o Operators

The information for systems engineers presupposes a knowledge of teleprocessing, but the information for installation planning engineers and operators requires no such understanding.

Manual, 78 pages, 6/76
//09//3875/

GA33-0002

IBM 3874 MODEM USER'S GUIDE

This publication is primarily intended for system planners, operators, systems engineers, installation planners and supervisory personnel. It is also required for its operating procedures by IBM customer engineers who must maintain the IBM 3874 Modem.

The publication describes the 3874 Modem, which can operate on non-switched and switched lines at a speed of 4800 or 2400 BPS and is in four main parts:

- Part 1 describes (in general terms) the 3874, with planning and equipment considerations
- Part 2 shows the operator controls and gives the operating and operator maintenance procedures
- Part 3 describes (in detail) the 3874 giving functional description, interface specifications strapping options, physical installation specifications, and communication channel specifications.
- Part 4 summarizes counting differences, gives abstracts from the communication channel specifications, and describes switched network back-up operation with BTAM.

The information for Part 3 for systems engineers presupposes a knowledge of teleprocessing, but the information for installation planning engineers and operators requires no such understanding.

Manual, 8 1/2 x 11 inches, 102 pages, 4/77
//09//3874/

GA33-1506

IBM SYSTEM/370 MODEL 125 FUNCTIONAL CHARACTERISTICS

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 publications, "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, 370 pages
3125//01//

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

Systems Library Manual, 8 pages

3125/00///

GA33-1508

IBM 3125 PROCESSING UNIT INTEGRATED COMMUNICATIONS ADAPTER:
CONFIGURATOR MANUAL

System/370-125 Integrated Communications Adapter Configurator consists of a number of text pages and overlays to be used when selecting a System/370 Model 125 teleprocessing configuration. The system/370 Model 125 Integrated Communications Adapter is a teleprocessing attachment that can serve up to six binary synchronous lines and up to sixteen start/stop (asynchronous) lines. The publication is intended to be used by IBM marketing representatives, or experienced customer personnel, when detailed information is required about line speeds, interface types, line control types load factors and the line adapters and their interrelationship. Feature and specified codes are also given for ordering purposes. Textbook, 54 pages, 40 acetate overlays
3125/C/00///

GA33-1509

OPERATOR'S LIBRARY: SYSTEM/370 MODEL 125 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
3125//01///

GA33-1510

IBM SYSTEM/370 MODEL 115 FUNCTIONAL CHARACTERISTICS

This publication describes the characteristics of the IBM System/370 Model 115, including the central processing unit, multiplexer channel, direct disk attachment, and the integrated attachments and adapters for other input/output devices.

Its main purpose is to give systems analysts an understanding of the structure, features, and operations of the system. The manual also provides system programmers with information which is essential when writing and maintaining channel programs and operating systems for the System/370 Model 115.

In the six chapters of the manual, the characteristics of the Model 115 are described in terms of:

1. The basic system structure
2. Main storage addressing
3. The operations which can be performed and the means of manual and program control.
4. Compatibility features
5. The commands, status and sense information for input/output devices attached other than through the multiplexer channel.
6. The characteristics of the integrated communications adapter.

Appendixes A, B, and C provide (respectively) code tables for the integrated communications adapter, instruction timings, and an example procedure for conversion from 2311 Model 1s to a 3340 disk subsystem. Appendix D gives some information on magnetic tape unit compatibility. Appendix E gives definitions of the abbreviations and special terms used in this manual.

The reader is assumed to be conversant with the IBM System/370 installation sets, data formats, channel operations, and basic programming concepts such as status switching and interruption.

Prerequisite Reading

IBM System/370 System Summary, GA22-7001

IBM System/370 Principles of Operation, GA22-7000

Manual, Systems Library, 286 pages

3115//01///

GA33-1511

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
3115//00///

GA33-1512

IBM SYSTEM/370 MODEL 125 CHANNEL CHARACTERISTICS

This manual describes how the effects of imposing loads on the channels of the IBM System/370 Model 125 can be checked. The book is intended for physical planning engineers and systems analysts who wish to check that a proposed configuration of input/output devices will work satisfactorily in the System/370 Model 125.

The manual is divided into four sections. Section one describes the channels in terms of type, theoretical data rates, and the effects of loading. Section two describes how to test for data overrun, and how to assign priorities to devices on the byte multiplexer channel. Section three describes how the interference of the activities of the channels with the IPU can be assessed. Section four describes the concept of channel utilization.

Before using this manual the reader should understand input/output operations for the Model 125 as described in:

IBM System/370 Model 125 Functional Characteristics, GA33-1506

IBM System/370 Principles of Operation, GA22-6821

IBM System/370 Principles of Operation, GA22-7000

Manual, 36 pages

3125//01///

GA33-1513

IBM 3115 PROCESSING UNIT INTEGRATED COMMUNICATIONS ADAPTER
CONFIGURATOR

Consists of a number of text pages and overlays to be used when selecting a System/370 Model 115 teleprocessing configuration. The System/370 Model 115 Integrated Communications Adapter is a teleprocessing attachment that can serve up to five binary synchronous lines and up to eight start/stop (asynchronous) lines. The publication is intended to be used by IBM marketing representatives, or experienced customer personnel, when detailed information is required about line speeds, interface types, line control types load factors and the line adapters and their interrelationship. Feature and specified codes are also given for ordering purposes.

Manual
3115//00///

GA33-1514

OPERATOR'S LIBRARY SYSTEM/370 MODEL 115 PROCEDURES

This manual provides operating and reference information for operators of the IBM System/370 Model 115. 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 on related data processing equipment.

This manual describes how to operate the system hardware of the IBM 3115 Processing Unit.

The manual is divided into:

1. Preliminary information, including action to be taken in an emergency.
2. "Introduction", which briefly describes the system.
3. "Facilities," which describes the operator console, keyboard and video display screen.
4. "Actions," which describes the preparation of the system for operation, and the handling of unexpected situations which may occur during preparation and operation.
5. "Appendix," which provides:
 - a. Reference information on the:
 - o Direct disk attachment
 - o Magnetic tape adapter
 - o Integrated communications adapter
 - o Integrated console printer attachment
 - o Integrated printer attachment
 - o Integrated card I/O attachment.
 - b. Restart Procedures for the IBM 2560 Multi-Function Card Machine (MFCM) and the IBM 5425 Multi-Function Card Unit (MFCU).
 - c. A description of the choices on the "Line Modes for ICA" displays.
 - d. Conversion tables.
6. A glossary, bibliography, and index. Systems library manual, 130 pages
3115//01///

GA33-1515

IBM 3203 PRINTER COMPONENT DESCRIPTION AND OPERATOR'S GUIDE

This publication provides reference information for the users of the IBM 3203 Printer. It is written mainly for the benefit of system planners, programmers and operators, but is also of interest to system supervisors and engineers. The publication provides a general introduction to the 3203, its components, method of operation, and requirements; and explains the various operating procedures. The chapter "Programming Information" is provided for users of the 3203 Models 1 and 2, which are attachable to System/370 Models 115 and 125. For information on the programming of 3203 Model 3, attachable to the IBM 3777 Data System, see IBM 3770 Communication System Programmer's Guide, GC30-3028.

A section on printer throughput is included for system analysts who wish to calculate the performance of the machine. A separate chapter covers the requirements and procedures for producing printed output that can be processed by optical character readers.

The publication contains three appendixes:

Appendix A: Extended Binary Coded Decimal Interchange Code

Appendix B: 3203 Sense Byte Summary

Appendix C: Abbreviations

The reader should be familiar with the system to which the printer is attached. For system and programming information refer to publications listed in the bibliography for the system.

Prerequisite Publications:

For programmers: IBM System/370 Principles of Operation, Order No. GA22-7000, Manual, 76 pages, 7/76
//03//3203/

3115//01//

GA33-1516

IBM SYSTEM/370 MODEL 115 CHANNEL CHARACTERISTICS

This manual describes how the effects of imposing loads on the channels of the IBM System/370 Model 115 can be checked. The book is intended for physical planning engineers and systems analysts who wish to check that a proposed configuration of input/output (I/O) devices will work satisfactorily in the System/370 Model 115.

The first section of the book describes the types of channels to which I/O devices can be connected, the theoretical data rates of the channels, and the possible effects of imposing heavy I/O loads on those channels. The effects considered are: data overrun, loss of device performance, channel interference with the machine instruction processor (MIP), program overrun, and excessive channel utilization.

The second section gives the procedures for testing data overrun on the byte-multiplexer channel. This section also includes a description of how to assign priorities to devices on the byte-multiplexer channel.

The third section deals with interference with the MIP that is caused by activities on the channels, and describes how the interference can be assessed. The same section also shows how to check for the possibility of program overrun.

The fourth section describes the concept of channel utilization.

Before using this manual, the reader should have a thorough understanding of input/output operations for the Model 115 as described in: IBM System/370 Model 115 Functional Characteristics, GA33-1510. IBM System/370 Principles of Operation, GA22-7000.

When calculating for data overrun on the byte multiplexer channel, a special worksheet is required: IBM System/370 Model 115 Byte-Multiplexer Channel: Load Sum Worksheet GX33-6007, available in pads of 50. System library manual, 44 pages
3115//01//

GA33-1519

IBM 3203 PRINTER REFERENCE SUMMARY FOR OPERATORS

Provides quick reference information for operators on 3203 Printer, which can be attached to the System/370 Models 115 and 125.

Consists of extract from GA33-1515 and describes forms loading procedure, operator controls, stacker settings, keys, lights and switches, and correction of forms jam. In handy pocket format for use at the machine. Reference Card, 2 sides 18-1/8 x 8-1/2 inch, 10 panels
//03//3203/

GA33-1520

SYSTEM/370 MODEL 115 CHANNEL CHARACTERISTICS FOR SYSTEMS WITH IBM 3115-2 PROCESSING UNIT

This manual describes how to check the effects of imposing loads on the channels of an IBM 3115-2 Processing Unit in an IBM System/370 Model 115. The book is intended for physical planning engineers and systems analysts who wish to check that a proposed configuration of input/output (I/O) devices will work satisfactorily in the System/370 Model 115.

The first section of the book describes the types of channels to which I/O devices can be connected, the theoretical data rates of the channels, and the possible effects of imposing heavy I/O loads on those channels. The effects considered are: data overrun, loss of device performance, channel interference with the instruction processing unit (IPU), program overrun, and excessive channel utilization.

The second section gives the procedures for testing data overrun on the byte-multiplexer channel. This section also includes a description of how to assign priorities to devices on the byte-multiplexer channel.

The third section deals with interference with the IPU that is caused by activities on the channels, and describes how the interference can be assessed. The same section also shows how to check for the possibility of program overrun.

The fourth section describes the concept of channel utilization.

Before using this manual, the reader should have a thorough understanding of input/output operations for the 3115-2 as described in:

IBM System/370 Model 115 Functional Characteristics, GA33-1510,
IBM System/370 Principles of Operation, GA22-7000.

Detailed information on the standard I/O interface is given in IBM System/360 and System/370 I/O Interface Channel to Control Unit, Original Equipment Manufacturer's Information, GA22-6974.

When calculating for data overrun on the byte-multiplexer channel, a special worksheet is required: IBM System/370 Model 115 Byte-Multiplexer Channel: Load Sum Worksheet, GX33-6007, available in pads of 50, or an equivalent worksheet from a System/360 machine may be used. Manual, 44 pages, 8/76

GA33-1521

IBM 3203 MODEL 3 PRINTER REFERENCE SUMMARY FOR OPERATIONS
Provides quick reference information for operators on 3203 Printer Model 3, which can be attached to the IBM 3777 Communication Terminal. Consists of extract from GA33-1515 and describes forms loading procedure, operator controls, stacker settings, keys, lights and switches, and correction of forms jam.

In handy pocket format for use at the machine. Reference summary, 2 sides, 18-1/8"x8-1/2", 10 panels
//03//3777/

GA33-3005

IBM SYSTEM/370 MODEL 135 FUNCTIONAL CHARACTERISTICS

This publication describes the capabilities, input/output channels, integrated adapters (printer, file, and communications), features (including the 2314/3340 Compatibility feature), and operations of the IBM System/370 Model 135. This information includes the relationship of the IBM System/370 Model 135 to the IBM System/360. This publication is intended for users and potential users such as system 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, 99 pages
3135//01//

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
3135//13//

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
3135//13//

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 3135//13///

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, 120 pages 3135//01///

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 3135//13///

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 3135//00///

GA33-3015

REFERENCE MANUAL FOR IBM 5985 COLOR DISPLAY CONTROL UNIT MODEL H02 AND IBM 5941 DISPLAY CONSOLE, MODEL H02 (SEE ABSTRACT FOR RPOQ)

U.S.A. Canada: RPOQs Y94176 and 7H0014. Other countries: RPOQs 7H0020 and 7H0023. Provides reference information for operating and programming the color display subsystem,

which attaches to IBM System/370. The subsystem displays text and graphic data on color television monitors that are provided by the user.

The manual has two sections. The first section describes the operation of the keys, pushbuttons and lights of the 5941-H02 Display Console, and gives corrective actions to be taken in unexpected situations. It is intended for operators who have a working knowledge of Introduction to IBM DTA Processing Systems, GL20-1684.

The second section, which is for programmers, describes how to generate a character set, manipulate the information on the screen, control some of the lights on the display console for operator guidance and simulate messages from the display console to check its operation. The commands and the status and sense information are described for both local (channel-attached) and remote (BSC) control units.

For a local control unit, the programmer is assumed to be familiar with channel programming for System/370. For a remote control unit, the programmer is assumed to be familiar with General Information Binary Synchronous Communications, GA27-3004.

Transmission codes for a remote control unit are described briefly.

Appendix A contains physical planning information, Dimensions, service ares, and user supplied cables are specified for the display console and control unit.

Appendix B lists the RPO numbers that must be quoted in an order for the color display subsystem and its optional features; and shows possible configurations of the subsystem components.

SYSTEM LIBRARY MANUAL, 50 PAGES, 3/75 //14//5985,5941/

GA33-3016

IBM 3740 DATA ENTRY SYSTEM SPECIAL SELF-CHECK NUMBER DEVICE CUSTOM UNIT DESCRIPTION

This publication describes the Self-Check Number Device Special Arithmetic feature which is available on the IBM 3741 Data Station, Models 1 and 2, and the IBM 3742 Dual Data Station. The feature implements many special algorithms by utilizing the modulus 11 program field definition characters.

For U.S. and Canada: RPOQs WE0408 (3742) and 207465 (3741)

For other countries: X10260 (3741/3742)
Systems Library manual, 28 pages //14//3741,3742/

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 //08//2826,1017,1018/

GA34-0016

IBM 5275 DIRECT NUMERICAL CONTROL STATION INTRODUCTION AND COMPONENT DESCRIPTION

Provides a description of the 5275 and its function in a numerical control environment. It is intended for customer executives, installation managers, application programmers, and those involved with the physical installation and maintenance of the terminal.

This publication provides: a comparison of conventional numerical control systems to the improved system using the 5275; a brief functional description of the terminal and its major components; human factor considerations; a detailed description of the functional capabilities; highlights of the programming support; and information concerning installation planning, reliability, availability, and performance considerations.

Only a general knowledge of data processing, numerical control systems, and the steps involved in making a part (part programming) is required to use this manual.

Manual, 100 pages //09//5275/

GA34-0040

IBM 5230 DATA COLLECTION SYSTEM USER GUIDE

This publication is the primary source of information for the IBM 5230 Data Collection System users:

- Explaining the principles of the system
- Describing the procedure for installing the system
- Describing the method of personalizing the system to meet your requirements
- Describing the procedures for operating the system
- Describing routine maintenance procedures

This publication is to be used by the system planner, the installer, and the operator.

Manual, 160 pages, 11/75 //00//5230,5231,5234,5235/

GA34-1507

IBM SYSTEM/7-360/370 CHANNEL ATTACHMENT: GENERAL INFORMATION MANUAL, RPQ D08112
 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
 5010//14//3168,3195,3145,3148,3155,3158,3165,2091,3115,3125,3135,3138,2050,2065,2067,2075,2085,2022,2025,2030/

GA34-1511

SYSTEM/370 IBM 5098-N05 SENSOR BASED CONTROL UNIT GENERAL INFORMATION MANUAL
 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
 370,5010//14//5098/

GA34-1531

IBM 5275 MACHINE TOOL CONTROL UNIT (MCU) ACCESSORY RPQ D08286: GENERAL INFORMATION MANUAL
 This publication is intended to be instructional and will introduce the reader to the Machine Tool Control Accessory Unit (D08286) and how it relates to the IBM 5275 and the Machine Tool Control Unit. This publication was written for service personnel and individuals concerned with machine tool control. It is assumed that the reader of this publication is familiar with the IBM 5275 and how it interfaces with the Machine Tool Control Unit. This publication covers the following topics:

- o General description of accessory and associated hardware
- o Functions of accessory D08286
- o Signal considerations
- o Interface specifications
- o MCU Identification
- o Maintenance requirements
- o Installation-physical planning information

Manual, 40 pages
 //14//5275/

GA36-0001

IBM 4872 MODEM MODEL 1
 This publication introduces the IBM 4872 Modem Model 1 and describes its role in a point-to-point network. Details concerning installation planning, operation, and special features are also included.
 Systems Reference Library Manual, 22 pages
 //13//4872/

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 S/360 or S/370 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
 //14//4481/

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 and System/370 CPU's 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
 //14//4481/

GA36-0004

IBM 4872 MODEM MODELS 2 AND 3
 This publication introduces the IBM 4872 Modem Models 2 and 3 and describes their role in a multipoint network. Details concerning installation planning, operation, and special features are also included.
 Systems Reference Library Manual, 18 pages
 //09//4872/

SBOF-2250

PTF FOR OS/VS2 SVS
 PTF Listings for program number 5742.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SBOF-2251

PTF FOR OS/VS2 MVS
 These microfiche cards contain PTF listings for OS/VS2 Release 030. The group contains Order Numbers in the SYC9-8XXX series.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

LBOF-3578

IMS/VS VERSION 1 PROGRAM LOGIC MANUALS (3 volumes)
PROG PROD 5740-XX2
 This Bill of Forms number permits ordering several related publications under a single number. Publications supplies are listed below:
 LY20-8004 Qty - 1
 LY20-8005 Qty - 1
 LY20-8041 Qty - 1
 Manuals, 5/76

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

SBOF-6375

PTF PROGRAM NUMBER 370N-AS 465 ASSEMBLER BASIC MODULES FOR 370 DOS
 PTF Listings for Program Number listed in title above.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SBOF-6376

PTF PROGRAM NUMBER 370N-CL-453
SYS. CONT. AND BASIC IOCS FOR 370 DOS
 PTF Listings for Program Number listed in title above.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SBOF-6377

PTF PROGRAM NUMBER 370N-CQ-469
BTAM FOR 370 DOS
 PTF Listings for Program Number listed in title above.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SBOF-6378

PTF PROGRAM NUMBER 370N-CQ-470
QTAM FOR 370 DOS
 PTF Listings for Program Number listed in title above.
 Microfiche
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SBOF-6379

PTF PROGRAM NUMBER 370N-DN-481
ON LINE TEST EXEC. PROG. FOR 370 DOS
 PTF Listings for Program Number listed in title above.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SBOF-6380

PTF PROGRAM NUMBER 370N-EU-490
EMULATOR FOR 370 DOS
 PTF Listings for Program Number listed in title above.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SBOF-6381

PTF PROGRAM NUMBER 370N-IO-454
DIRECT ACCESS METHOD FOR 370 DOS
 PTF Listings for Program Number listed in title above.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SBOF-6382

PTF PROGRAM NUMBER 370N-IO-455
CONSECUTIVE DISK IOCS FOR 370 DOS
 PTF Listings for Program Number listed in title above.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SBOF-6383

PTF PROGRAM NUMBER 370N-IO-456
CONSECUTIVE TAPE IOCS FOR 370 DOS
 PTF Listings for Program Number listed in title above.
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 SLSS - ORDER NO. SUBSCRIPTION ONLY

SBOF-6384

PTF PROGRAM NUMBER 370N-IO-457
ISFMS FOR 370 DOS
 PTF Listings for Program Number listed in title above.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SBOF-6385

PTF PROGRAM NUMBER 370N-IO-458
CONSECUTIVE PT IOCS FOR 370 DOS
 PTF Listings for Program Number listed in title above.
 Microfiche

SLSS - ORDER NO. SUBSCRIPTION ONLY

SBOF-6386

PTF PROGRAM NUMBER 370N-IO-476, COMPILER I/O MODULES FOR 370 DOS
PTF Listings for Program Number listed in title above.
PTF Listing Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SBOF-6387

PTF PROGRAM NUMBER 370N-IO-477
1259/1412/1419 MICR IOCS FOR 370 DOS
PTF Listings for Program Number listed in title above.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SBOF-6388

PTF PROGRAM NUMBER 370N-IO-478
OPTICAL CHARACTER READER FOR 370 DOS
PTF Listings for Program Number listed in title above.
Microfiche
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SBOF-6389

PTF PROGRAM NUMBER 370N-CQ-493
3735 TERMINAL SUPPORT FOR 370 DOS
PTF Listings for Program Number listed in title above.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SBOF-6390

PTF PROGRAM NUMBER 370N-UT-491
SYSTEM UTILITY PROGRAM FOR 370 DOS
This PTF is a fix generated by the group having maintenance control of the program component mentioned in the title.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SBOF-6391

PTF PROGRAM NUMBER 370N-UT-492
EREP FOR 370 DOS
PTF Listings for Program Number listed in title above.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SBOF-6392

PTF PROGRAM NUMBER 370N-SV-495
2311/2314/3330 SUPERVISOR FOR 370 DOS
PTF Listings for Program Number listed in title above.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SBOF-6393

M20 EMULATOR (VERSION 4) PTF'S - PROG. NO. 370N-IC-002
This BOF contains PTF listings for program number listed in title above.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SBOF-6400

PTF LISTINGS FOR OS/VS1
This PTF is a fix generated by the group having maintenance control of the program component mentioned in the title.
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SLSS - ORDER NO. SUBSCRIPTION ONLY

SBOF-6401

DOS PTF - PROGRAM NUMBER 5744-AS1
PTF listing for program number listed in title above.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SBOF-6402

155, 158/7074 EMUL PTF PROGRAM NUMBER 5744-AJ1
PTF listing for program number listed in the title above.
PTF listing microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SBOF-6403

165, 168/7080 EMULATOR - PTF PROGRAM NUMBER 5744-AL1
This PTF is a fix generated by the group having maintenance control of the program component mentioned in the title.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SBOF-6404

165, 168/7094 EMULATOR - PTF PROGRAM NUMBER 5744-AM1
This PTF is a fix generated by the group having maintenance control of the program component mentioned in the title.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SBOF-6405

165, 168/7074 EMULATOR
PTF LISTINGS FOR PROGRAM NO. 5744-AK1
This Bill of Forms contains the items listed in the Current Price List, Bill of Forms section, under this BOF Number.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SBOF-6407

EMULATOR PTF PROGRAM 5744-AH1
This Bill of Forms contains the items listed in the Current Price List, Bill of Forms section, under this BOF Number.
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SLSS - ORDER NO. SUBSCRIPTION ONLY

SBOF-6440

PTF'S FOR DOS/VIS 14XX EMULATORS, SCP COMPONENTS 5745-SC-EM1
5745-SC-E20
PTF Listings for all components of the DOS/VIS System Control Program.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SBOF-8210

OS/VS2 SYSTEM LOGIC LIBRARY - VOLUMES 1 THROUGH 7
(UNCOLLATED VERSION)
Contents:
SY28-0713-0 System Logic Volume 1
SY28-0714-0 System Logic Volume 2
SY28-0715-0 System Logic Volume 3
SY28-0716-0 System Logic Volume 4
SY28-0717-0 System Logic Volume 5
SY28-0718-0 System Logic Volume 6
SY28-0719-0 System Logic Volume 7
7 Manuals
NOT AVAILABLE UNDER SLSS

SBOF-8211

OS/VS2 DEBUGGING HANDBOOKS VOLUMES 1 & 2 (UNCOLLATED
VERSIONS)
Contents:
GC28-0708-0 OS/VS2 Debugging Handbook Volume 1
GC28-0709-0 OS/VS2 Debugging Handbook Volume 2
2 Manuals
NOT AVAILABLE UNDER SLSS

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
/////5798-AGK

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
/////5798-AGK

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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-0414

GRAPHS AND HISTOGRAMS IN APL AVAILABILITY NOTICE - FDP
NUMBER 5798-AGL
This 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
/////5798-AGL

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, 12 pages
SLSS - INTERNAL SUBSCRIPTION ONLY

SB21-0415

GRAPHS AND HISTOGRAMS IN APL PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AGL

This 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
/////5798-AGL

GB21-0686

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

This 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 PIOC 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
/////5798-ALK

LB21-0416

GRAPHS AND HISTOGRAMS IN APL SYSTEMS GUIDE - FDP NUMBER 5798-AGL

This 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 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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

SB21-0687

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

This 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 PIOC 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
/////5798-ALK

LB21-0688

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

This 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 PIOC 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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-0683

MINIMUM TELE-COMMUNICATION SYSTEM FOR S/370 AVAILABILITY NOTICE - FDP NUMBER 5798-ALN

This document describes the purpose and highlights of Minimum Tele-Communication System for S/370. Written in Assembler, it is a System/370 offering providing smaller DOS and DOS/VS users with a single-thread, transaction-driven teleprocessing capability. The programming system supports the IBM 3270 and 2740 terminals via DOS BTAM and supports inquiry, file updates, order entry and data collection applications via DOS ISAM. BOMP and DBOMP files may also be accessed via MTCS/370. Transaction programs may be written in Assembler, COBOL or PL/I.

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
/////5798-ALN

GB21-0740

DOS 3330 DATA SET CONVERSION AID AVAILABILITY NOTICE - FDP NUMBER 5798-AMN

This 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 DASD.

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
/////5798-AMN

SB21-0684

MINIMUM TELE-COMMUNICATION SYSTEM FOR S/370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ALN

This document describes the capabilities of the FDP and the programs of MTCS for S/370. Written in Assembler, it is a System/370 offering providing smaller DOS and DOS/VS users with a single-thread, transaction-driven teleprocessing capability. The programming system supports the IBM 3270 and 2740 terminals via DOS BTAM and supports inquiry, file updates, order entry and data collection applications via DOS ISAM. BOMP and DBOMP files may also be accessed via MTCS/370. Transaction programs may be written in Assembler, COBOL or PL/I.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 148 pages
/////5798-ALN

SB21-0741

DOS 3330 DATA SET CONVERSION AID PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AMN

This 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 DASD.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 23 pages
/////5798-AMN

LB21-0685

MINIMUM TELE-COMMUNICATION SYSTEM FOR S/370 SYSTEMS GUIDE FDP NUMBER 5798-ALN

This document describes the steps necessary to modify the Minimum Tele-Communication System for S/370. Written in Assembler, it is a System/370 offering providing smaller DOS and DOS/VS users with a single-thread, transaction-driven teleprocessing capability. The programming system supports the IBM 3270 and 2740 terminals via DOS BTAM and supports inquiry, file updates, order entry and data collection applications via DOS ISAM. BOMP and DBOMP files may also be accessed via MTCS/370. Transaction programs may be written in Assembler, COBOL or PL/I.

This systems guide provides the Systems Analyst with the

LB21-0742

DOS 3330 DATA SET CONVERSION AID SYSTEMS GUIDE - FDP NUMBER 5798-AMN

This 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 DASD.

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
SLSS - INTERNAL SUBSCRIPTION ONLY

GB21-0761

STREAM - A 3270 INFORMATION DISPLAY SYSTEM PROGRAMMING AID FOR SYSTEM/360, 370; FDP 5798-ANE, NOTICE

This 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
/////5798-ANE

SB21-0762

STREAM - A3270 INFORMATION DISPLAY SYSTEM PROGRAMMING AID FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL FDP NUMBER 5798-ANE

This 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
/////5798-ANE

LB21-0763

STREAM - A3270 INFORMATION DISPLAY SYSTEM PROGRAMMING AID FOR SYSTEM/360/370, FDP 5798-ANE, SYSTEMS GUIDE

This 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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-0836

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

This 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 Burroughs 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
/////5798-APH

SB21-0837

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

This 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 Burroughs 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
/////5798-APH

LB21-0838

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

This 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 Burroughs 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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-0839

NCR CENTURY COBOL TO IBM ANS COBOL: CONVERSION AID FOR SYSTEM/360/370, FDP 5798-APG NOTICE

This document describes the purpose and highlights of IBM ANS COBOL Conversion Aid for NCR Century COBOL for System/360/370. This Field Developed Program is a series of programs, subroutines, and procedures designed to address many of the problems encountered when converting from NCR Century 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 System/3.

A data conversion utility program is provided to copy tape files, translate data and expand files when packed numeric data had been specified. It will handle variable, or fixed records and will produce variable, fixed or spanned records.

The FDP will operate under OS on a System/360/370 in a 50K region, and under DOS on a System/360/370 with a partition of 44K 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.

Flyer, 4 pages
/////5798-APG

SB21-0840

IBM ANS COBOL CONVERSION AID FOR NCR CENTURY COBOL FOR SYSTEM/360/370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-APG

This document describes the capabilities of the FDP and the programs of the IBM ANS COBOL Conversion Aid for NCR Century COBOL for system/360/370. This Field Developed Program is a series of programs, subroutines, and procedures

designed to address many of the problems encountered when converting from NCR Century 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 System/3.

A data conversion utility program is provided to copy tape files, translate data and expand files when packed numeric data had been specified. It will handle variable, or fixed records and will produce variable, fixed or spanned records.

The FDP will operate under OS on a System/360/370 in a 50K region, and under DOS on a System/360/370 with a partition of 44K bytes of storage.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

Manual, 63 pages
 ////5798-APG

LB21-0841

IBM ANS COBOL CONVERSION AID FOR NCR CENTURY COBOL FOR SYSTEM/360/370 SYSTEMS GUIDE - FDP NUMBER 5798-APG

This document describes the steps necessary to modify the IBM ANS COBOL Conversion Aid for NCR Century COBOL for System/360/370. This Field Developed Program is a series of programs, subroutines, and procedures designed to address many of the problems encountered when converting from NCR Century 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 System/3.

A data conversion utility program is provided to copy tape files, translate data and expand files when packed numeric data had been specified. It will handle variable, or fixed records and will produce variable, fixed or spanned records.

The FDP will operate under OS on a System/360/370 in a 50K region, and under DOS on a System/360/370 with a partition of 44K 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 modifications, diagnose program errors and perform program maintenance.

Guide, 270 pages

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GB21-0857

OS/DITTO AVAILABILITY NOTICE - FDP NUMBER 5798-ARD

This 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
 ////5798-ARD

SB21-0858

OS/DITTO PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ARD

This 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
 ////5798-ARD

LB21-0859

OS/DITTO SYSTEMS GUIDE - FDP NUMBER 5798-ARD

This 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

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GB21-0875

DOS/DITTO FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-ARN

This 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
 ////5798-ARN

SB21-0876

DOS/DITTO FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ARN

This document describes the capabilities of the FDP and the programs of the 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
 ////5798-ARN

LB21-0877

DOS/DITTO FOR SYSTEM/360, 370 SYSTEMS GUIDE - FDP NUMBER 5798-ARN

This 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

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GB21-0890

DOS FILE GENERATION UTILITY AVAILABILITY NOTICE - FDP NUMBER 5798-ARK

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

////5798-ARK

SB21-0891

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
/////5798-ARX

LB21-0892

DOS FILE GENERATION UTILITY SYSTEMS GUIDE - FDP NUMBER 5798-ARX

This document describes the steps necessary to modify the DOS File Generation Utility Systems Guide. Testing, a basic function of program development, can make up 20-50% of total project costs. Proper test data and procedures are key to successful systems integration, conversion, and installation. This FDP, written in ALC, reduces the time required to design, code and debug test programs since the user need only specify the content of each logical record, format of records to be written, nature of output files (block, size, etc.), and any optional functions. The Generator builds the test files. This systems guide provides the Systems Analyst with the necessary information to the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.
Guide, 13 pages
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-0914

IBM ANS COBOL FROM GE-415 COBOL CONVERSION AID FDP 5798-ASY, NOTICE

This document describes the purpose and highlights of the IBM ANS COBOL from GE-415 COBOL Conversion Aid FDP. This FDP, written in ALC, is a series of programs and procedures designed to assist in the conversion of GE-415 COBOL programs to IBM ANS COBOL as well as translation of GE-415 tape files to EBCDIC. The system operates under DOS, but has capability of producing output for either DOS or OS environments. The conversion programs will operate under DOS on any System 360/370, Model 22 or larger with a partition size of 14K. The use of the tape file conversion program will require two tape drives, one of which may be 7-track drive.

This Availability Notice contains complete ordering information 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.
Availability Notice, 2 pages
/////5798-ASY

SB21-0915

IBM ANS COBOL FROM GE-415 COBOL CONVERSION AID FDP 5798-ASY DESCRIPTION/OPERATIONS

This document describes the capabilities of the FDP and the programs of the IBM ANS COBOL from GE-415 COBOL Conversion Aid. This FDP, written in ALC, is a series of programs and procedures designed to assist in the conversion of GE-415 COBOL programs to IBM ANS COBOL as well as translation of GE-415 tape files to EBCDIC. The system operates under DOS, but has capability of producing output for either DOS or OS environments. The conversion programs will operate under DOS on any System 360/370, Model 22 or larger with a partition size of 14K. The use of the tape file conversion program will require two tape drives, one of which may be 7-track drive.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 29 pages
/////5798-ASY

LB21-0916

IBM ANS COBOL FROM GE-415 COBOL CONVERSION AID FDP 5798-ASY SYSTEMS GUIDE

This document describes the steps necessary to modify the IBM ANS COBOL from GE-415 COBOL Conversion Aid FDP. This FDP, written in ALC, is a series of programs and procedures designed to assist in the conversion of GE-415 COBOL programs to IBM ANS COBOL as well as translation of GE-415 tape files to EBCDIC. The system operates under DOS, but has capability of producing output for either DOS or OS environments. The conversion programs will operate under DOS on any System 360/370, Model 22 or larger with a partition size of 14K. The use of the tape file conversion program will require two tape drives, one of which may be 7-track drive.

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, 17 pages
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GB21-0999

DOS SOURCE STATEMENT LIBRARY MAINTENANCE FOR ANS COBOL ON SYSTEM/370 AVAILABILITY NOTICE - FDP NUMBER 5798-AWD
This document describes the purpose and highlights of DOS Source Statement Library Maintenance for ANS COBOL on System/370. This program is written in Assembler. DOS ANS COBOL users have been reluctant in the past to use the extended source program library facility. In order to update the library, the programmer must prepare a new set of control cards for the DOS MAINT program. He must also convert the COBOL statement numbers (the first six positions) to MAINT statement numbers (the last four positions). This program allows updating the library with the same control cards used in compiling the program. The time required to make new control cards and correct errors can be eliminated.

The convenience of maintaining complete COBOL program libraries on disk may be realized. Programs may be compiled directly from the source statement library with changes submitted on cards. When a program has been fully tested, the change cards may be used to update the library, providing a final version for later use.

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, 2 pages
/////5798-AWD

SB21-1000

DOS SOURCE STATEMENT LIBRARY MAINTENANCE FOR ANS COBOL ON SYSTEM/370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AWD

This document describes the capabilities of the FDP and the programs of the DOS Source Statement Library Maintenance for ANS COBOL on System/370. This program is written in Assembler. DOS ANS COBOL users have been reluctant in the past to use the extended source program library facility. In order to update the library, the programmer must prepare a new set of control cards for the DOS MAINT program. He must also convert the COBOL statement numbers (the first six positions) to MAINT statement numbers (the last four positions). This program allows updating the library with the same control cards used in compiling the program. The time required to make new control cards and correct errors can be eliminated.

The convenience of maintaining complete COBOL program libraries on disk may be realized. Programs may be compiled directly from the source statement library with changes submitted on cards. When a program has been fully tested, the change cards may be used to update the library, providing a final version for later use.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 26 pages
//24//5798-AWD

LB21-1001

DOS SOURCE STATEMENT LIBRARY MAINTENANCE FOR ANS COBOL ON SYSTEM/370 SYSTEMS GUIDE - FDP NUMBER 5798-AWD

This document describes the steps necessary to modify the DOS Source Statement Library Maintenance for ANS COBOL on System/370. This program is written in Assembler. DOS ANS COBOL users have been reluctant in the past to use the extended source program library facility. In order to update the library, the programmer must prepare a new set of control cards for the DOS MAINT program. He must also convert the COBOL statement numbers (the first six positions) to MAINT statement numbers (the last four positions). This program allows updating the library with the same control cards used in compiling the program. The time required to make new control cards and correct errors can be eliminated.

The convenience of maintaining complete COBOL program libraries on disk may be realized. Programs may be compiled directly from the source statement library with changes submitted on cards. When a program has been fully tested, the change cards may be used to update the library, providing a final version for later use.

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, 11 pages
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GB21-1002

DOS/VS DASD DEVICE INDEPENDENCE OPEN (DI OPEN) AVAILABILITY NOTICE - FDP # 5798-AWH

This document describes the purpose and highlights of DOS/VS DASD Device Independence Open (DI OPEN) for S/370, written in ALC.

This FDP provides DOS-VS users a measure of DASD Device Independence. User programs are modified at execution time to match the direct access device to which they are assigned (2311, 2314, 2319, 3330, or 3340), thereby eliminating the need to change a program to match the device actually on-line. This program is a minor enhancement of DOS 2311/14/19-3330 DASD Device Independence Routines (5798-ALK).

The 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
/////5798-AWH

SB21-1003

DOS/VS DASD DEVICE INDEPENDENCE OPEN (DI OPEN) PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AWH
This document describes the capabilities of the FDP and the programs of the DOS/VS DASD Device Independence Open (DI OPEN), written in ALC for the System/370. This FDP provides DOS-VS users a measure of DASD Device Independence. User programs are modified at execution time to match the direct access device to which they are assigned (2311, 2314, 2319, 3330, or 3340), thereby eliminating the need to change a program to match the device actually on-line. This program is a minor enhancement of DOS 2311/14/19-3330 DASD Device Independence Routines (5798-ALK).
This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 31 pages
/////5798-AWH

LB21-1004

DOS/VS DASD DEVICE INDEPENDENCE OPEN (DI OPEN) SYSTEMS GUIDE FDP NUMBER 5798-AWH
This document describes the steps necessary to modify the DOS/VS DASD Device Independence Open (DI OPEN) FDP written in ALC for the System/370. This FDP provides DOS-VS users a measure of DASD Device Independence. User programs are modified at execution time to match the direct access device to which they are assigned (2311, 2314, 2319, 3330, or 3340), thereby eliminating the need to change a program to match the device actually on-line. This program is a minor enhancement of DOS 2311/14/19-3330 DASD Device Independence Routines (5798-ALK).
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, 111 pages
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-1008

DOS/VS ASSEMBLER TESTING AID - FDP NUMBER 5798-AWJ NOTICE
This document describes the purpose and highlights of DOS/VS Assembler Testing Aid. This program is written in Assembler.
This program can merge coding into the user's assembler source deck. When an UPSI card is placed in JCL at execution time, the labels in the name fields of executed instructions print on SYSLST. When testing is complete, the program may be used to remove the added code. (Without UPSI card, code is transparent to user.)
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
/////5798-AWJ

SB21-1009

DOS/VS ASSEMBLER TESTING AID - FDP NUMBER 5798-AWJ DESCRIPTION/OPERATIONS
This document describes the capabilities of the FDP and the programs of the DOS/VS Assembler Testing Aid. This program is written in Assembler.
This program can merge coding into the user's assembler source deck. When an UPSI card is placed in JCL at execution time, the labels in the name fields of executed instructions print on SYSLST. When testing is complete, the program may be used to remove the added code. (Without UPSI card, code is transparent to user.)
This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 46 pages
/////5798-AWJ

LB21-1010

DOS/VS ASSEMBLER TESTING AID - FDP NUMBER 5798-AWJ SYSTEMS GUIDE
This document describes the steps necessary to modify the DOS/VS Assembler Testing Aid. This program is written in Assembler.
This program can merge coding into the user's assembler source deck. When an UPSI card is placed in JCL at execution time, the labels in the name fields of executed instructions print on SYSLST. When testing is complete, the program may be used to remove the added code. (Without UPSI card, code is transparent to 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.
Manual, 25 pages
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-1035

CICS/3270 SIMULATOR (5798-AXC), CICS DYNAMIC MAP (5798-AXR), AND CICS PERFORMANCE ANALYZER (5798-AZN): 3 FDP'S NOTICE
This document describes the purpose and highlights of the CICS Dynamic Map. This FDP is written in Assembler.
Operating as a task in a variety of modes within a CICS/STANDARD partition, this program can selectively display a myriad of system tuning statistics. These include parameters describing the partition composition, fragmentation and its effects, storage utilization for task and system, dynamic task activity, and the effects of program residence on storage and system performance. Other features optionally available are time-initiation, logging, core dumping, and an output writer facility.
This Availability Notice contains complete ordering information 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.
Availability Notice, 5 pages
/////5798-AXC,5798-AZN,5798-AXR

SB21-1036

CICS/3270 SIMULATOR - FDP 5798-AXC DESCRIPTION/OPERATIONS
This document describes the capabilities of the FDP and the programs of the CICS/3270 Simulator. This FDP is written in Assembler.
Provides a simulated terminal facility for 3270 terminals in CICS. The input stream can be mapped using CICS basic mapping support and the output can be printed exactly as it would appear on the 3270 screen. A documentation transaction is included which when used with the output print program will document any 3270 "map" showing the screen layout and all fields which can potentially receive data.
This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 97 pages
/////5798-AXC

SB21-1075

CICS DYNAMIC MAP - FDP 5798-AXR DESCRIPTION/OPERATIONS
This document describes the capabilities of the FDP and the programs of the CICS Dynamic MAP. This FDP is written in Assembler.
Operating as a task in a variety of modes within a CICS/STANDARD partition, this program can selectively display a myriad of system tuning statistics. These include parameters describing the partition composition, fragmentation and its effects, storage utilization for task and system, dynamic task activity, and the effects of program residence on storage and system performance. Other features optionally available are time initiation, logging, core dumping, and an output writer facility.
This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 45 pages
/////5798-AXR

GB21-1092

IMS LOW-LEVEL CODING & CONTINUITY CHECKING SUBPROGRAM: FDP 5798-AYN NOTICE
This document describes the purpose and highlights of the Low Level Coding and Continuity Checking FDP, written in COBOL.
With the present emphasis on COPICS and Materials Requirements Planning, users who desire or require the flexible design capabilities of the Information Management System (IMS) have been faced with a problem: how to accomplish Low Coding and Continuity Checking of Bills of Materials, and still maintain the data base design flexibility of IMS?
The IMS Low Level Coding and Continuity Checking Subprogram provides an answer to this question:
o Provides for the addition of Bills of Material to an IMS Data Base.
o Creates and maintains low level codes.
o Provides standard error-checking of previous packages (BOMP-CFMS).
o Includes a transaction and error listing of product structure additions.
o May be used as the basis for an expanded Bills of Material maintenance program.
o Single level explosion program as part of the sample program.
This Availability Notice contains complete ordering information 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, 2 pages
/////5798-AYN

SB21-1093

LOW LEVEL CODING AND CONTINUITY CHECKING - FDP 5798-AYN DESCRIPTION/OPERATIONS
This document describes the capabilities of the FDP and the programs of the Low Level Coding and Continuity Checking FDP written in COBOL.

With the present emphasis on COPICS and Materials Requirements Planning, users who desire or require the flexible design capabilities of the Information Management System (IMS) have been faced with a problem: how to accomplish Low Coding and Continuity Checking of Bills of Materials, and still maintain the data base design flexibility of IMS?

The IMS Low Level Coding and Continuity Checking Subprogram provides an answer to this question:

- o Provides for the addition of Bills of Material to an IMS Data Base.
- o Creates and maintains low level codes.
- o Provides standard error-checking of previous packages (BOMP-CFMS).
- o Includes a transaction and error listing of product structure additions.
- o May be used as the basis for an expanded Bills of Material maintenance program.
- o Single level explosion program as part of the sample program.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

Manual, 21 pages
 ////5798-AYN

LB21-1094

LOW LEVEL CODING AND CONTINUITY CHECKING - FDP 5798-AYN SYSTEMS GUIDE

This document describes the steps necessary to modify the Low Level Coding and Continuity Checking FDP, written in COBOL.

With the present emphasis on COPICS and Materials Requirements Planning, users who desire or require the flexible design capabilities of the Information Management System (IMS) have been faced with a problem: how to accomplish Low Coding and Continuity Checking of Bills of Materials, and still maintain the data base design flexibility of IMS?

The IMS Low Level Coding and Continuity Checking Subprogram provides an answer to this question:

- o Provides for the addition of Bills of Material to an IMS Data Base.
- o Creates and maintains low level codes.
- o Provides standard error-checking of previous packages (BOMP-CFMS).
- o Includes a transaction and error listing of product structure additions.
- o May be used as the basis for an expanded Bills of Material maintenance program.
- o Single level explosion program as part of the sample program.

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, 26 pages

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-1104

COBIMS - FDP 5798-AYK - AVAILABILITY NOTICE

This document describes the purpose and highlights of COBIMS. This FDP is written in COBOL.

PLIMS/COBOL, macro language extension of COBOL, is a programming aid designed to reduce programming and testing time in producing IMS batch and/or TP application programs. PLIMS/COBOL statements are expanded by a precompile step into a complete COBOL Source Program ready for compilation. Those PLIMS/COBOL Statements which involve data base activity are expanded into COBOL source code which is customized to the user's data structure as defined by the IMS PSB and by Segment Definitions. COBOL Statements can be intermixed with PLIMS/COBOL statements, thus combining the ease and simplicity of PLIMS with the power of COBOL.

This Availability Notice contains complete ordering information 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.

Availability Notice, 8 pages
 ////5798-AYK

SB21-1105

COBIMS - FDP 5798-AYK - DESCRIPTION/OPERATIONS

This document describes the capabilities of the FDP and the programs of COBIMS. This FDP is written in COBOL.

PLIMS/COBOL, macro language extension of COBOL, is a programming aid designed to reduce programming and testing time in producing IMS batch and/or TP application programs. PLIMS/COBOL statements are expanded by a precompile step into a complete COBOL Source Program ready for compilation. Those PLIMS/COBOL Statements which involve data base activity are expanded into COBOL source code which is customized to the user's data structure as defined by the IMS PSB and by Segment Definitions. COBOL Statements can be intermixed with PLIMS/COBOL statements, thus combining the ease and simplicity of PLIMS with the power of COBOL.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

Manual, 75 pages

////5798-AYK

LB21-1106

COBIMS - FDP 5798-AYK - SYSTEMS GUIDE

This document describes the steps necessary to modify the COBIMS FDP written in COBOL.

PLIMS/COBOL, macro language extension of COBOL, is a programming aid designed to reduce programming and testing time in producing IMS batch and/or TP application programs. PLIMS/COBOL statements are expanded by a precompile step into a complete COBOL Source Program ready for compilation. Those PLIMS/COBOL Statements which involve data base activity are expanded into COBOL source code which is customized to the user's data structure as defined by the IMS PSB and by Segment Definitions. COBOL Statements can be intermixed with PLIMS/COBOL statements, thus combining the ease and simplicity of PLIMS with the power of COBOL.

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, 45 pages

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-1122

TSO COMMAND PROCESSOR - FDP 5798-AYF NOTICE

This document describes the purpose and highlights of the TSO Command Processor FDP, written in Assembler. Provides the print command for a TSO terminal user to list a data set on a 3284 or 3286 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

////5798-AYF

SB21-1123

TSO COMMAND PROCESSOR - FDP 5798-AYF DESCRIPTION/OPERATIONS

This document describes the capabilities of the FDP and the programs of the TSO Command Processor FDP, written in Assembler. Provides the print command for a TSO terminal user to list a data set on a 3284 or 3286 printer.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

Manual, 53 pages

////5798-AYF

LB21-1124

TSO COMMAND PROCESSOR - FDP 5798-AYF SYSTEMS GUIDE

This document describes the steps necessary to modify the TSO Command Processor FDP, written in Assembler. Provides the print command for a TSO terminal user to list a data set on a 3284 or 3286 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.

Guide, 51 pages

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-1134

AUTOMATIC LINE SPEED SELECTION FOR IBM 3704/3705

FDP 5798-AYR, NOTICE

This document describes the purpose and highlights of Automatic Line Speed Selection for IBM 3704/3705. Written in Assembler OS this Automatic Line Speed selection on 3704/3705 FDP allows the 3704/3705 equipped with a Communication Scanner Type 1 or 2 running in Emulation Mode (360H-TX-033) to detect line speed and device type of various dial up terminals. A maximum of four different line speeds (110,134,5,150 and 300 baud) and three different start-stop line codes (9/7,10/8,11/8) can be accommodated.

This Availability Notice contains complete ordering information 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.

Availability Notice, 4 pages

////5798-AYR

SB21-1135

AUTOMATIC LINE SPEED SELECTION FOR 3704/3705

FDP 5798-AYR DESCRIPTION/OPERATIONS

This document describes the capabilities of the FDP and the programs of the Automatic Line Speed selection on 3704/3705 which allows the 3704/3705 equipped with a Communication Scanner Type 1 or 2 running in Emulation Mode (360H-TX-033) to detect line speed and device type of various dial up terminals. A maximum of four different line speeds (110,134,5,150 and 300 baud) and three different start-stop line codes (9/7,10/8,11/8) can be accommodated.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

Manual, 14 pages

////5798-AYR

LB21-1136

AUTOMATIC LINE SPEED SELECTION FOR IBM 3704/3705
FDP 5798-AVR SYSTEMS GUIDE

This document describes the steps necessary to modify the Automatic Line Speed selection on 3704/3705 FDP. Written in Assembler OS this FDP allows the 3704/3705 equipped with a Communication Scanner Type 1 or 2 running in Emulation Mode (360H-TX-033) to detect line speed and device type of various dial up terminals. A maximum of four different line speeds (110,134.5,150 and 300 baud) and three different start-stop line codes (9/7,10/8,11/8) can be accommodated.

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, 16 pages
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

SB21-1181

CICS PERFORMANCE ANALYZER - FDP 5798-AZN
DESCRIPTION/OPERATIONS

This document describes the capabilities of the FDP and the programs of the CICS Performance Analyzer. The FDP is written in Assembler.

The program gathers statistics about user transactions run under control of CICS. The type of information gathered is CPU execution time, total transaction time, largest amount of core used, the total entries to a file control access method, and so on. The information is very useful for performance evaluation and system tuning.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

Manual, 62 pages
/////5798-AZN

GB21-1195

UTILITY DATA REDUCTION SUBROUTINES FOR S/360-370
FDP 5798-AZW NOTICE

This document describes the purpose and highlights of the Utility Data Reduction Subroutines FDP written in DOS or OS for S/360-370. These are general purpose utilities designed to reduce the size of records stored in auxiliary storage devices. One subroutine condenses the record by deleting from it unnecessary or null characters, and a second subroutine reconstructs the original record. The deleted characters may vary from three or four in a field to thousands of types per record.

This Availability Notice contains complete ordering information 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.

Availability Notice, 2 pages
/////5798-AZW

SB21-1196

UTILITY DATA REDUCTION SUBROUTINES FOR S/360-370
FDP 5798-AZW DESCRIPTIONS/OPERATIONS

This document describes the capabilities of the FDP and the programs of the Utility Data Reduction Subroutines. These are general purpose utilities designed to reduce the size of records stored in auxiliary storage devices. One subroutine condenses the record by deleting from it unnecessary or null characters, and a second subroutine reconstructs the original record. The deleted characters may vary from three or four in a field to thousands of types per record.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

Manual, 12 pages
/////5798-AZW

LB21-1197

UTILITY DATA REDUCTION SUBROUTINES FOR S/360-370
FDP 5798-AZW SYSTEMS GUIDE

This document describes the steps necessary to modify the Utility Data Reduction Subroutines FDP written in DOS or OS for S/360-370. These are general purpose utilities designed to reduce the size of records stored in auxiliary storage devices. One subroutine condenses the record by deleting from it unnecessary or null characters, and a second subroutine reconstructs the original record. The deleted characters may vary from three or four in a field to thousands of types per record.

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, 7 pages
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-1210

ON-LINE PREPARATION OF VIDEO/370 FORMATS
FDP 5798-BAC NOTICE

This 4 page documentation describes and highlights the purpose of the On-Line Preparation of VIDEO/370 Formats FDP. Written in RPG II, this FDP consists of three formats for VIDEO/370 and a set of Assembler language macros that expand into VIDEO/370 format definition statements. The FDP

eliminates the use of coding sheets for preparation of formats by allowing creation of formats from a picture of a proposed screen layout. The FDP provides a fill-in-the-blanks approach so that no keywords have to be coded.

Three basic screen formats are used during the definition of a new document. The first describes the document name and exit routines. The second is used for entering information about the fields. The third type is used to describe how the fields should be extracted. The input that is keyed on the 3270 is, in most cases, a single character as opposed to a keyword if a coding sheet is used.

This Availability Notice contains complete ordering information 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.

Availability Notice, 4 pages
/////5798-BAC

SB21-1211

ON-LINE PREPARATION OF VIDEO/370 FORMATS
FDP 5798-BAC DESCRIPTION/OPERATIONS

This document describes the capabilities of the FDP and the programs of On-Line Preparation of VIDEO/370 Formats FDP. Written in RPG II, this FDP consists of three formats for VIDEO/370 and a set of Assembler language macros that expand into VIDEO/370 format definition statements. The FDP eliminates the use of coding sheets for preparation of formats by allowing creation of formats from a picture of a proposed screen layout. The FDP provides a fill-in-the-blanks approach so that no keywords have to be coded.

Three basic screen formats are used during the definition of a new document. The first describes the document name and exit routines. The second is used for entering information about the fields. The third type is used to describe how the fields should be extracted. The input that is keyed on the 3270 is, in most cases, a single character as opposed to a keyword if a coding sheet is used.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

Manual, 46 pages
/////5798-BAC

LB21-1212

ON-LINE PREPARATION OF VIDEO/370 FORMATS
FDP 5798-BAC - SYSTEMS GUIDE

This document describes the steps necessary to modify the On-Line Preparation of VIDEO/370 Formats FDP. Written in RPG II, this FDP consists of three formats for VIDEO/370 and a set of Assembler language macros that expand into VIDEO/370 format definition statements. The FDP eliminates the use of coding sheets for preparation of formats by allowing creation of formats from a picture of a proposed screen layout. The FDP provides a fill-in-the-blanks approach so that no keywords have to be coded.

Three basic screen formats are used during the definition of a new document. The first describes the document name and exit routines. The second is used for entering information about the fields. The third type is used to describe how the fields should be extracted. The input that is keyed on the 3270 is, in most cases, a single character as opposed to a keyword if a coding sheet is used.

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, 12 pages
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-1249

DOS/VS POWER WORKSTATION SUPPORT FOR THE IBM 2922
FDP 5798-BBY - NOTICE

This document describes the purpose and highlights of the DOS/VS POWER Workstation Support for the IBM 2922 FDP. Written in Model 20 Assembler this FDP provides a workstation program for the IBM 2922 Programmable Terminal communicating with DOS/VS Power RJE. The program in effect simulates the responses of the IBM 2780 thereby eliminating the need to modify DOS/VS Power RJE. The FDP supports the card reader, printer, card punch and console.

This Availability Notice contains complete ordering information 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
/////5798-BBY

SB21-1250

DOS/VS POWER WORKSTATION SUPPORT FOR THE IBM 2922
FDP 5798-BBY - DESCRIPTION/OPERATIONS

This document describes the capabilities of the FDP and the programs of the DOS/VS POWER Workstation Support for the IBM 2922 FDP. Written in Model 20 Assembler this FDP provides a workstation program for the IBM 2922 Programmable Terminal communicating with DOS/VS Power RJE. The program in effect simulates the responses of the IBM 2780 thereby eliminating the need to modify DOS/VS Power RJE. The FDP supports the card reader, printer, card punch and console.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

Manual, 40 pages
 ////5798-BBY

LB21-1251

DOS/VS POWER WORKSTATION SUPPORT FOR THE IBM 2922
FDP 5798-BBY

This document describes the steps necessary to modify the DOS/VS POWER Workstation Support for the IBM 2922 FDP. Written in Model 20 Assembler this FDP provides a workstation program for the IBM 2922 Programmable Terminal communicating with DOS/VS Power RJE. The program in effect simulates the responses of the IBM 2780 thereby eliminating the need to modify DOS/VS Power RJE. The FDP supports the card reader, printer, card punch and 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.

Manual, 28 pages

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-1273

TSO/VS2 PROGRAMMING CONTROL FACILITY - FDP 5798-BBJ - NOTICE
 This document describes the purpose and highlights of TSO/VS2 Programming Control Facility, and is written in VS/Assembler.

The purpose of the TSO/VS Programming Control Facility is to provide significant enhancements to OS/VS2 TSO in the following areas:

- File Access control and security
- TSO command subsetting and program execution control by user
- SMF accounting data optionally recorded for each command and subcommand
- ability to issue any command from subcommand mode and enter multiple commands on a line

This Availability Notice contains complete ordering information 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.

Availability Notice, 5 pages

////5798-BBJ

SB21-1274

TSO/VS2 PROGRAMMING CONTROL FACILITY - FDP 5798-BBJ
DESCRIPTION/OPERATIONS

This document describes the purpose and highlights of TSO/VS2 Programming Control Facility, and is written in VS/Assembler.

The purpose of the TSO/VS Programming Control Facility is to provide significant enhancements to OS/VS2 TSO in the following areas:

- File Access control and security
- TSO command subsetting and program execution control by user
- SMF accounting data optionally recorded for each command and subcommand
- ability to issue any command from subcommand mode and enter multiple commands on a line

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

Manual, 39 pages

////5798-BBJ

LB21-1275

TSO/VS2 PROGRAMMING CONTROL FACILITY - FDP 5798-BBJ
SYSTEMS GUIDE

This document describes the purpose and highlights of TSO/VS2 Programming Control Facility, and is written in VS/Assembler.

The purpose of the TSO/VS Programming Control Facility is to provide significant enhancements to OS/VS2 TSO in the following areas:

- File Access control and security
- TSO command subsetting and program execution control by user
- SMF accounting data optionally recorded for each command and subcommand
- ability to issue any command from subcommand mode and enter multiple commands on a line

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, 23 pages

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-1279

GIS/DDT TRANSLATION FROM IMS/DBD - FDP 5798-BBN,
DESCRIPTION/OPERATIONS

This document, written in Basic Assembler, Describes the purpose and highlights of GIS/DDT from IMS/DBD.

The simple query and report functions provided by GIS can considerably reduce both programming effort and elapsed time required to answer low volume requests for IMS data base information. This further automates the procedures required for GIS access, by converting existing IMS DBDs to GIS data description tables (DDTs).

IMSDDT (an intermediate step in this program) would be

used initially as a quick method of creating error free DDTs for existing IMS data bases. The output thus generated can then be immediately input to the GIS monitor to create the necessary entries for GIS processing of the data base. As this method uses previously validated descriptions of the IMS data base, validity and compatibility errors that might be introduced through the keying of a separate description of the data base, may be avoided.

Availability Notice, 8 1/2 x 11 inches, 2 pages, 12/74tGt
 ////5798-BBN

SB21-1280

GIS/DDT TRANSLATION OF IMS/DBD FDP 5798-BBN DESCRIPTION/
OPERATIONS

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, 35 pages, 1/76

////5798-BBN

LB21-1281

GIS/DDT TRANSLATION FORM IMS/DBD - FDP 5798-BBN, SYSTEM
GUIDE

This document, written in Basic Assembler, describes the steps necessary to modify the GIS/DDT Translation from IMS/DBD.

The simple query and report functions provided by GIS can considerably reduce both programming effort and elapsed time required to answer low volume requests for IMS data base information. This program further automates the procedures required for GIS access by converting existing IMS DBDs to GIS data description tables (DDTs).

IMSDDT (an intermediate step in this program) would be used initially as a quick method of creating error free DDTs for existing IMS data bases. The output generated can then be immediately input to the GIS monitor to create the necessary entries required for GIS processing of the data base. As this method uses previously validated descriptions of the IMS data bases, validity and compatibility errors that might be introduced through the keying of a separate description of the data base, may be avoided.

This system 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, 8 1/2 x 11 inches, 23 pages, 11/74

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-1291

3330 DEVICE SUPPORT EXTENDED-S/370 OS/MFT/MVT
FDP 5798-BCE NOTICE

This document describes the purpose and highlights of the 3330 Device Support Extended-S/370 OS/MFT/MVT FDP written in S/370 Assembler. Provides OS Release 21 users with modifications and procedures required to extend current 3330 support to include the 3333/3330 Model II. The modifications allow the user to take advantage of the new 200-megabyte capacity. Programs which use standard OS access methods in a device independent manner can be extended to function properly while using the full capacity of the 3333/3330 Model II. Due to the technique used, some user restrictions are necessary. These are described in the Availability Notice and in the documentation. Planned availability is March 15, 1974.

This Availability Notice contains complete ordering information 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, 3 pages

////5798-BCE

SB21-1292

3330 DEVICE SUPPORT EXTENDED S/370 OS/MFT/MVT
FDP 5798-BCE DESCRIPTION/OPERATIONS

Provides OS Release 21 users with modifications and procedures required to extend current 3330 support to include the 3333/3330 Model II. The modifications allow the user to take advantage of the new 200-megabyte capacity. Programs which use standard OS access methods in a device independent manner can be extended to function properly while using the full capacity of the 3333/3330 Model II. Due to the technique used, some user restrictions are necessary. These are described in the Availability Notice and in the documentation. Planned availability is March 15, 1974.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

Manual, 25 pages

////5798-BCE

GB21-1294

OS/VS2 RELEASE 1 STORAGE UTILIZATION DISPLAY PROGRAM
FDP 5798-BCL, NOTICE

This document describes the purpose and highlights of OS/VS2 Release 1 Storage Utilization Display Program. Written in PL/1 and Assembler this FDP is designed to produce real-time, dynamic display of real storage utilization and paging rate of an OS/VS2 Release 1 system.

The display may be produced on an IBM 3270 locally attached,

an IBM 2260 locally attached, or any device supported by BSAM.

This Availability Notice contains complete ordering information 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
/////5798-BCL

SB21-1295

OS/VS2 RELEASE 1 STORAGE UTILIZATION DISPLAY PROGRAM
FDP 5798-BCL DESCRIPTION/OPERATIONS

This document describes the capabilities of the FDP the programs of the OS/VS2 Release 1 Storage Utilization Display Program. Written in PL/1 and Assembler this FDP is designed to produce real-time, dynamic display of real storage utilization and paging rate of an OS/VS2 Release 1 system. The display may be produced on an IBM 3270 locally attached, an IBM 2260 locally attached, or any device supported by BSAM.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 24 pages
/////5798-BCL

LB21-1296

OS/VS2 RELEASE 1 STORAGE UTILIZATION DISPLAY PROGRAM
FDP 5798-BCL - SYSTEMS GUIDE

This document describes the steps necessary to modify the OS/VS2 Release 1 Storage Utilization Display Program. Written in PL/1 and Assembler this FDP is designed to produce real-time, dynamic display of real storage utilization and paging rate of an OS/VS2 Release 1 system. The display may be produced on an IBM 3270 locally attached, an IBM 2260 locally attached, or any device supported by BSAM.

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, 18 pages
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-1336

IMS DC MONITOR FDP 5798-BDF, NOTICE

This document describes the purpose and highlights of the IMS DC Monitor. It is written in Assembler. The IMS DC Monitor is a facility for collecting data on the internal activities of IMS 2.3/2.4 systems. The monitor analyzes and records these internal activities, including the processing of teleprocessing input-output, data language 1, application scheduling, application termination, message format services, and checkpoint restart. The monitor is loaded with the IMS control region and, upon operator command, traps information to an independent log file. A report program, also supplied can be processed off-line to produce a set of reports that summarize and categorize the collected activities at various levels of detail. This tool could be valuable in validating performance and investigating specific application design, data base design, and implementation choices during the testing, implementation, and operating phases of IMS DB/DC systems.

This Availability Notice contains complete ordering information 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 users of the program and others who require information concerning it.
Availability notice, 8 pages
/////5798-BDF

SB21-1337

IMS DC MONITOR - FDP 5798-BDF, DESCRIPTION/OPERATIONS

This document describes the capabilities of the FDP and the programs of the IMS DC Monitor. It is written in Assembler.

The IMS DC Monitor is a facility for collecting data on the internal activities of IMS 2.3/2.4 DB/DC systems. The monitor analyzes and records these internal activities, including the application scheduling, application termination, message format services, and checkpoint restart. The monitor is loaded with the IMS control region and upon operator command, traps information to an independent log file. A report program, also supplied, can be processed offline to produce a set of reports that summarize and categorize the collected activities at various levels of detail. This tool could be valuable in validating performance and investigating specific application design, data base design, and implementation choices during the testing, implementation, and operating phases of IMS DB/DC systems. This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Description/Operations, 91 pages
/////5798-BDF

LB21-1338

IMS DC MONITOR FDP 5798-BDF SYSTEMS GUIDE

This document describes the steps necessary to modify the IMS DC Monitor. It is written in Assembler. The

IMS DC Monitor is a facility for collecting data on the internal activities of IMS 2.3/2.4 DB/DC systems. The monitor analyzes and records these internal activities, including the processing of teleprocessing input-output, data language 1, application scheduling, application termination, message format services, and checkpoint restart. The monitor is loaded with the IMS control region and, upon operator command, traps information to an independent log file. A report program, also supplied, can be processed off-line to produce a set of reports that summarize and categorize the collected activities at various levels of detail. This tool could be valuable in validating performance and investigating specific application design, data base design, and implementation choices during the testing, implementation, and operating phases of IMS DB/DC systems.

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, 56 pages
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-1342

3890 DOS/VS APPLICATION/INSTALLATION SUPPORT (5798-BDC)
FDP AVAILABILITY NOTICE

This document describes the purpose and highlights of 3890 DOS/VS Application/Installation Support.

This FDP utilizes the standard user interfaces available to the DOS/VS user and provides him with the following capabilities:

- o Sort control instructions with an editor facility
- o A 3270 Jam Display Routine
- o A storage print facility

These application functions will enable the user to increase his personnel productivity and facilitate 3890 program testing and analysis.

This Availability Notice contains complete ordering information 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.
Availability Notice, 4 pages
/////5798-BDC

SB21-1343

3890 DOS/VS APPLICATION/INSTALLATION SUPPORT - FDP 5798-BDC,
DESCRIPTION/OPERATIONS

This document describes the capabilities of the FDP and the programs of the 3890 DOS/VS Application/Installation Support.

This FDP utilizes the standard user interfaces available to the DOS/VS user and provides him with the following capabilities:

- o Sort control instructions with an editor facility
- o A 3270 Jam Display Routine
- o A storage print facility

These application functions will enable the user to increase his personnel productivity and facilitate 3890 program testing and analysis.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 68 pages
/////5798-BDC

GB21-1361

DOS/VS SORT FOR 1400 FILES FDP 5798-BDH, NOTICE

This document describes the purpose and highlights of DOS/VS Sort for 1400 Files.

This Field Developed Program operates with the DOS/VS Sort programs (5746-SM1) intended to reduce sort (5743-SM1) times within most 1400 emulator installations currently using Sort 5 or 6 under 1400 emulation.

This program provides most of the functions contained in the 1400 Sort programs through an assembler macro which will generate a program interface to the DOS Sort programs. The user may continue to use his 1400/1311 sort control cards and his 1400 files. The input and output files format is independently specified so that conversion from one format to another is also possible.

The supported file formats include CS or spanned tape, emulator format disk (2319, 3330, 3340) or sequential 370 disk and tape.

This Availability Notice contains complete ordering information 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.
Availability Notice, 4 pages
/////5798-BDH

SB21-1362

DOS/VS SORT FOR 1400 FILES FDP 5798-BDH,
DESCRIPTION/OPERATIONS

This document describes the capabilities of the FDP and the programs of the DOS/VS Sort for 1400 Files.

This Field Developed Program operates with the DOS/VS Sort programs (5746-SM1) intended to reduce sort (5743-SM1) times within most 1400 emulator installations currently

using Sort 5 or 6 under 1400 emulation. This program provides most of the functions contained in the 1400 Sort programs through an assembler macro which will generate a program interface to the DOS Sort programs. The user may continue to use his 1400/1311 sort control cards and his 1400 files. The input and output file format is independently specified to that conversion from one format to another is also possible. The supported file formats include CS or spanned tape, emulator format disk (2319, 330, 3340,) or sequential 370 disk and tape.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 25 pages
/////5798-BDH

LB21-1363

DOS/VS SORT FOR 1400 FILES FDP 5798-BDH SYSTEMS GUIDE

This document describes the steps necessary to modify the DOS/VS Sort for 1400 Files. This Field Developed Program operates with the DOS/VS Sort programs (5746-SM1) intended to reduce sort (5743-SM1) times within most 1400 emulator installations currently using Sort 5 or 6 under 1400 emulation. This program provides most of the functions contained in the 1400 Sort programs through an assembler macro which will generate a program interface to the DOS Sort programs. The user may continue to use his 1400/1311 sort control cards and his 1400 files. The input and output file format is independently specified so that conversion from one format to another is also possible. The supported file formats include CS or spanned tape, emulator format disk (2319, 3330, 3340) or sequential 370 disk and tape. 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, 25 pages
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-1373

CICS SOURCE PROGRAM MAINTENANCE ON-LINE - FDP 5798-BDT, NOTICE

This document describes the purpose and highlights of CICS Source Program Maintenance On-Line. Designed to provide the capability of storing source programs on disk, retrieving them and modifying them in conversational mode at a terminal and creating job streams from the terminal to be used to compile and test the programs. Extends the power of a CICS on-line system to programmers and systems programmers via a 3270. This Availability Notice contains complete ordering information 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
/////5798-BDT

SB21-1374

CICS SOURCE PROGRAM MAINTENANCE ON-LINE FDP 5798-BDT DESCRIPTION/OPERATIONS

This document describes the capabilities of the FDP and the programs of the CICS Source Program Maintenance On-Line. Designed to provide capability of storing source programs on disk, retrieving them and modifying them in conversational mode at a terminal and creating job streams from the terminal to be used to compile and test the programs. Extends the power of a CICS on-line system to programs and systems programmers via a 3270. This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 112 pages
/////5798-BDT

GB21-1376

CMS SORT FOR VM/370 FDP 5798-BDW, NOTICE

This document describes the purpose and highlights of CMS Sort for VM/370. This FDP provides several sort programs and subroutines which run under the CMS component of VM/370. They may be invoked from a COBOL, PL/I, FORTRAN, or BAL program, or as a CMS command. Compared with the SORT component of CMS, these programs offer a compatible replacement for the CMS sort command with improved function and performance. This Availability Notice contains complete ordering information 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.
Availability Notice, 4 pages
/////5798-BDW

SB21-1377

CMS SORT FOR VM/370 FDP 5798-BDW DESCRIPTION/OPERATIONS

This document describes the capabilities of the FDP and the program of the CMS Sort for VM/370. It is written in Assembler.

This FDP provides several sort programs and subroutines which run under the CMS component of VM/370. They may be invoked from a COBOL, PL/I, FORTRAN, or BAL program, or as a CMS command. Compared with the SORT component of CMS, these programs offer a compatible replacement for the CMS sort command with improved function and performance.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 28 pages
/////5798-BDW

LB21-1378

CMS SORT FOR VM/370 FDP 5798-BDW SYSTEMS GUIDE

This document describes the steps necessary to modify the CMS Sort for VM/370.
o Changes to VM/370 publications. o Modules added, deleted, or modified for the current release and program level change.
o Ordering and distribution procedures for the current release and program level change.
A List of VM/370 Restrictions.
Systems Guide, 20 pages
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-1386

DBOMP INTERFACE FOR RPG II - SYSTEM/370 DOS/VS - FDP 5798-BDZ, NOTICE

This document describes the purpose and highlights of DBOMP Interface for RPG II - System/370 DOS/VS. The DBOMP Interface for RPG II is designed to permit retrieval and maintenance of DBOMP databases using DOS RPG II. The use of the interface programs does not require expertise in assembler language programming; the FDP programs handle the sophisticated file manipulations that are required, allowing the programmer to concentrate his RPG II expertise on his application program. The design of the FDP, when combined with the full capabilities of RPG II, should assist users in reducing the time and effort involved with implementing new applications. DL/I (5746-XX1) and DL/I ENTRY (5746-XX7) should be considered as alternatives to this Field Developed Program. This Availability Notice contains complete ordering information 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.
Availability Notice, 4 pages
/////5798-BDZ

SB21-1387

DBOMP INTERFACE FOR RPG II - SYSTEM/370 DOS/VS (5798-BDZ) FDP 5798-BDZ DESCRIPTION/OPERATIONS

Describes the capabilities of the FDP and the programs of the DBOMP Interface for RPG II - System/370 DOS/VS. The DBOMP Interface for RPG II is designed to permit retrieval and maintenance of DBOMP databases using DOS RPG II. The use of the interface programs does not require expertise in assembler language programming; the FDP programs handle the sophisticated file manipulations that are required, allowing the programmer to concentrate his RPG II expertise on his application program. The design of the FDP, when combined with the full capabilities of RPG II, should assist users in reducing the time and effort involved with implementing new applications. DL/I (5746-XX1) and DL/I ENTRY (5746-XX7) should be considered as alternatives to this Field Developed Program. This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 130 pages
/////5798-BDZ

LB21-1388

DBOMP INTERFACE FOR RPG II - SYSTEM/370 DOS/VS (5798-BDZ) FDP SYSTEMS GUIDE

Describes the steps necessary to modify the DBOMP interface for RPG II - System/370 DOS/VS. The DBOMP Interface for RPG II is designed to permit retrieval and maintenance of DBOMP databases using DOS RPG II. The use of the interface programs does not require expertise in assembler language programming; the FDP programs handle the sophisticated file manipulations that are required, allowing the programmer to concentrate his RPG II expertise on his application program. The design of the FDP, when combined with the full capabilities of RPG II, should assist users in reducing the time and effort involved with implementing new applications. DL/I (5746-XX1) and DL/I ENTRY (5746-XX7) should be considered as alternatives to this Field Developed Program. 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, 27 pages
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-1398

DOS/DITTO EXTENSIONS FOR S/370 - FDP 5798-CAF, NOTICE

This document describes the purpose and highlights of DOS/DITTO Extensions for S/370.

DOS/DITTO (5798-ARN) is a utility that is widely accepted by the DOS and DOS/VS community. EXTENSIONS to DOS/DITTO enhance these widely accepted capabilities in two broad areas:

- o Existing DOS/DITTO functions have been enhanced to support the 2560, 5425, and 3420 series tape units.
- o Twenty-four new functions have been added to provide file-to-file capabilities for 2311, 2314, 3330 and 3340 Direct Access Storage Devices.

These EXTENSIONS to DOS/DITTO will be marketed as source statement alterations to current licensees of DOS/DITTO. HIGHLIGHTS. Extensions to DOS/DITTO will add twenty-four functions to DOS/DITTO. These new functions provide a full range of file-to-file capability to:

- o Create ISAM, SAM or VSAM files.
- o Print ISAM, SAM, or VSAM files.
- o Alter blocking factors or more (from one disk volume location to another) any SAM, ISAM, or VSAM file.
- o Copy to tape (or cards) for back-up purposes any SAM, ISAM, or VSAM file.
- o Display the Volume Table of Contents of any disk volume.

Other Enhancements to DOS/DITTO provide:

- o All tape functions will be modified to provide the capability to read or write at 6,260 bpi density (supporting 3420 Models 4, 6, and 8).
- o The existing 2560 multi-function card read punch utilities will be enhanced to provide punch and interpret, and interpret pre-punched cards capability.
- o The 5424 (96 card column) multi-function card unit will be fully supported including functions to read, punch, punch and interpret, and interpret pre-punched cards. Also the ability to transfer data from 80 to 96 column format will be included.
- o The existing Tape Record Scan function will be enhanced to allow multiple successful "scans" to be displayed.

This Availability Notice contains complete ordering information for the 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.
Availability Notice, 4 pages
/////5798-CAF

SB21-1399

DOS/DITTO EXTENSIONS FOR S/370 - FDP 5798-CAF, DESCRIPTION/OPERATIONS

This document describes the capabilities of the FDP and the programs of the DOS/DITTO Extensions for S/370.

DOS/DITTO (5798-ARN) is a utility that is widely accepted by the DOS and DOS/VS community. EXTENSIONS to DOS/DITTO enhance these widely accepted capabilities in two broad areas:

- o Existing DOS/DITTO functions have been enhanced to support the 2560, 5425, and 3420 series tape units.
- o Twenty-four new functions have been added to provide file-to-file capabilities for 2311, 2314, 3330 and 3340 Direct Access Storage Devices.

These EXTENSIONS to DOS/DITTO will be marketed as source statement alterations to current licensees of DOS/DITTO. HIGHLIGHTS. Extensions to DOS/DITTO will add twenty-four functions to DOS/DITTO. These new functions provide a full range of file-to-file capability to:

- o Create ISAM, SAM or VSAM files.
- o Print ISAM, SAM, or VSAM files.
- o Alter blocking factors or more (from one disk volume location to another) any SAM, ISAM, or VSAM file.
- o SAM, ISAM or VSAM file.
- o SAM, ISAM, or VSAM file.
- o Display the Volume Table of Contents of any disk volume.

Other Enhancements to DOS/DITTO provide:

- o All tape functions will be modified to provide the capability to read or write at 6,260 bpi density (supporting 3420 Models 4, 6, and 8).
- o The existing 2560 multi-function card read punch utilities will be enhanced to provide punch and interpret, and interpret pre-punched cards capability.
- o The 5424 (96 card column) multi-function card unit will be fully supported including functions to read, punch, punch and interpret, and interpret pre-punched cards. Also the ability to transfer data from 80 to 96 column and 96 to 80 column format will be included.
- o The existing Tape Record Scan function will be enhanced to allow multiple successful "scans" to be displayed.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 48 pages
/////5798-CAF

LB21-1400

DOS/DITTO EXTENSIONS FOR S/370 - FDP 5798-CAF, SYSTEMS GUIDE

This document describes the steps necessary to modify the DOS/DITTO Extensions for S/370.

DOS/DITTO (5798-ARN) is a utility that is widely accepted by the DOS and DOS/VS community. EXTENSIONS to DOS/DITTO enhance these widely accepted capabilities in two broad

areas:

- o Existing DOS/DITTO functions have been enhanced to support the 2560, 5425, and 3420 series tape units.
- o Twenty-four new functions have been added to provide file-to-file capabilities for 2311, 2314, 3330 and 3340 Direct Access Storage Devices.

These EXTENSIONS to DOS/DITTO will be marketed as source statement alterations to current licensees of DOS/DITTO. HIGHLIGHTS. Extensions to DOS/DITTO will add twenty-four functions to DOS/DITTO. These new functions provide a full range of file-to-file capability to:

- o Create ISAM, SAM or VSAM files.
- o Print ISAM, SAM, or VSAM files.
- o Alter blocking factors or more (from one disk volume location to another) any SAM, ISAM, or VSAM file.
- o Copy to tape (or cards) for back-up purposes any SAM, ISAM or VSAM file.
- o Display the Volume Table of Contents of any disk volume.

Other Enhancements to DOS/DITTO provide:

- o All tape functions will be modified to provide the capability to read or write at 6,260 bpi density (supporting 3420 Models 4, 6, and 8).
- o The existing 2560 multi-function card read punch utilities will be enhanced to provide punch and interpret, and interpret pre-punched cards capability.
- o The 5424 (96 card column) multi-function card unit will be fully supported including functions to read, punch, punch and interpret, and interpret pre-punched cards. Also the ability to transfer data from 80 to 96 column and 96 to 80 column format will be included.
- o The existing Tape Record Scan function will be enhanced to allow multiple successful "scans" to be displayed.

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

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-1401

IMS LOG TAPE ANALYSIS - FDP 5798-CAQ, NOTICE

This document describes the purpose and highlights of IMS Log Tape Analysis.

This FDP is designed to read an IMS DB/DC System log tape and summarize the response times experienced and the number of transactions submitted by source terminals during a user specified time period. The program reads a completed log tape and collects response time data for user specified transaction codes. A report line is printed to summarize accumulated percentages of response times, spread from 1 to 23 seconds, for each user specified time increment. A summary report of the number of the user specified input transactions submitted by each physical terminal is produced at the end of the analysis. This FDP can be used to determine IMS system performance and work load in relation to the terminal user environment. Response time can be analyzed when tuning an IMS DB/DC System or relative to changes in system configuration, an application program, or system volumes. This FDP can be used in conjunction with the IMS DC Monitor FDP (5798-BDF) to analyze response time and transaction volumes during the time interval being monitored.

This Availability Notice contains complete ordering information 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.
Availability Notice, 6 pages
/////5798-CAQ

SB21-1402

IMS LOG TAPE ANALYSIS - FDP 5798-CAQ, DESCRIPTION/OPERATIONS

This document describes the capabilities of the FDP and the programs of the IMS Log Tape Analysis.

This FDP is designed to read an IMS DB/DC System log tape and summarize the response times experienced and the number of transactions submitted by source terminals during a user specified time period. The program reads a completed log tape and collects response time data for user specified transaction codes. A report line is printed to summarize accumulated percentages of response times, spread from 1 to 23 seconds, for each user specified time increment. A summary report of the number of the user specified input transactions submitted by each physical terminal is produced at the end of the analysis. This FDP can be used to determine IMS system performance and work load in relation to the terminal user environment. Response time can be analyzed when tuning an IMS DB/DC System or relative to changes in system configuration, an application program, or system volumes. This FDP can be used in conjunction with the IMS DC Monitor FDP (5798-BDF) to analyze response time and transaction volumes during the time interval being monitored.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 29 pages
/////5798-CAQ

LB21-1403

IMS LOG TAPE ANALYSIS - FDP 5798-CAQ, SYSTEMS GUIDE

This document describes the steps necessary to modify the IMS Log Tape Analysis.

This FDP is designed to read an IMS DB/DC System log tape and summarize the response times experienced and the number of transactions submitted by source terminals during a user specified time period. The program reads a completed log tape and collects response time data for user specified transaction codes. A report line is printed to summarize accumulated percentages of response times, spread from 1 to 23 seconds, for each user specified time increment. A summary report of the number of the user specified input transactions submitted by each physical terminal is produced at the end of the analysis. This FDP can be used to determine IMS system performance and work load in relation to the terminal user environment. Response time can be analyzed when tuning an IMS DB/DC System or relative to changes in system configuration, an application program, or system volumes. This FDP can be used in conjunction with the IMS DC Monitor FDP (5798-BDF) to analyze response time and transaction volumes during the time interval being monitored.

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, 30 pages

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-1404

VS/1 UTILIZATION MONITOR - FDP 5798-CAK, NOTICE

This Availability Notice contains complete ordering information for the 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.

VS/1 Utilization Monitor is a software system monitor that provides users with the ability to measure, evaluate, and document application program characteristics while executing in a virtual (VS/1) environment. The VS/1 Utilization Monitor reports provide a broad range of information at both a summary and/or detail level with minimal degradation, easy access, and flexibility in use.

This package consists of two programs: (1) VS/1 Utilization Monitor Trace Program which captures system and job related data and records the information to a log tape on a timed basis (normally every two seconds); (2) VS/1 Utilization Monitor Analysis/report Program processes the log tape and generates the requested reports.

VS/1 Utilization Monitor captures and reports the three basic dimensions of a computing system: CPU utilization, I/O activity, and storage usage - both real and virtual. Information on these dimensions and their sub-parts are available at various user-selected levels, from detailed lines for each observation to a summary sheet for an entire run. At the detail level, the dynamics of the virtual system graphically display the impact of the application program.

Thirteen different reports have been designed to provide insights from many different perspectives to programs operating in the virtual VS/1 system.

Charting and graphing techniques have been used to visually display the dynamics of the virtual system.

Users of the Monitor will vary, but would normally be the systems programmers and application programmers. A single individual would not normally require the use of all VS/1 Utilization Monitor reports for a single assignment.

Manual, 12 pages

/////5798-CAK

SB21-1405

VS1 UTILIZATION MONITOR (5798-CAK)FDP PROGRAM DESCRIPTION/OPERATIONS MANUAL

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

This document describes the capabilities of the FDP and the programs of the VS1 Utilization Monitor.

A software systems monitor that provides the ability to measure, evaluate and document application program characteristics while executing in a virtual (VS1) environment. It provides information on CPU activity, paging activity, channel activity, I/O device activity, main storage occupancy and working sets under varying paging conditions. Report options allow problem program analysis at the system, partition, job or step level in summarized or detailed form. Program Description/Operations Manual, 180 pages

/////5798-CAK

GB21-1413

DOS/VS FILE/OPERATIONS CONTROL LANGUAGE - FDP 5798-CAG, NOTICE

This document describes the purpose and highlights of DOS/VS File/Operations Control Language.

This FDP eases the operational aspects of external file management through the use of a control language. A systems programmer can now structure jobstreams for efficient operation, while improving backup capabilities, increasing control, and reducing operator error. Included in this FDP is the ability to (1) modify VTOC information to expire or delete files by an event, (2) create and maintain a

directory of data sets with generation relationships and status information and (3) generate user-defined reports to guide operators through file backup/recovery operations.

This Availability Notice contains complete ordering information 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.

Availability Notice, 4 pages

/////5798-CAG

SB21-1414

DOS/VS FILE/OPERATIONS CONTROL LANGUAGE - FDP 5798-CAG, DESCRIPTION/OPERATIONS

This document describes the capabilities of the FDP and the programs of the DOS/VS File/Operations Control Language.

This FDP eases the operational aspects of external file management through the use of a control language. A systems programmer can now structure jobstreams for efficient operation, while improving backup capabilities, increasing control, and reducing operator error. Included in this FDP is the ability to (1) modify VTOC information to expire or delete files by an event, (2) create and maintain a directory of data sets with generation relationships and status information, and (3) generate user-defined reports to guide operators through file backup/recovery operations.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

Manual, 88 pages

/////5798-CAG

GB21-1425

IMS/VS 2260-3270 CONVERSION AID - FDP 5798-CBB, NOTICE

This document describes the purpose and highlights of IMS/VS 2260-3270 Conversion Aid.

The IBM 3270 Information Display System, with its advanced features, is an excellent replacement for IBM 2260 and 2265 Display Stations. The IMS/360 Conversion Aid FDP 5798-ASG allowed IMS users to convert smoothly from 2260s to 3270s, in an IMS/Version 2.3 and OS environment. This FDP 5798-ASG so that it will operate with IMS Version 2.3 under both OS/360 and OS/VS, and also with IMS/VS under OS/VS. Thus, 2260s can now be replaced by 3270s in an orderly manner during any stage of an installation's migration from IMS/Version 2.3 and OS/360 to IMS/VS and OS/VS.

This Availability Notice contains complete ordering information 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.

Availability Notice, 4 pages

/////5798-CBB

SB21-1426

IMS/VS 2260-3270 CONVERSION AID - FDP 5798-CBB, DESCRIPTION/OPERATIONS

This document describes the capabilities of the FDP and the programs of the IMS/VS 2260-3270 Conversion Aid.

The IBM 3270 Information Display System, with its advanced features, is an excellent replacement for IBM 2260 and 2265 Display Stations. The IMS/360 Conversion Aid FDP 5798-ASG allowed IMS users to convert smoothly from 2260s to 3270s, in an IMS/Version 2.3 and OS environment. This FDP expands 5798-ASG so that it will operate with IMS/Version 2.3 under both OS/360 and OS/VS, and also with IMS/VS under OS/VS.

Thus, 2260's can now be replaced by 3270s in an orderly manner during any stage of an installation's migration from IMS/Version 2.3 and OS/360 to IMS/VS and OS/VS.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

Manual, 17 pages

/////5798-CBB

LB21-1427

IMS/VS 2260-3270 CONVERSION AID - FDP 5798-CBB, SYSTEMS GUIDE

This document describes the steps necessary to modify the IMS/VS 2260-3270 Conversion Aid.

The IBM 3270 Information Display System, with its advanced features, is an excellent replacement for IBM 2260 and 2265 Display Stations. The IMS/360 Conversion Aid FDP 5798-ASG allowed IMS users to convert smoothly from 2260s to 3270s, in an IMS/Version 2.3 and OS environment. This FDP expands 5798-ASG so that it will operate with IMS/Version 2.3 under both OS/360 and OS/VS, and also with IMS/VS under OS/VS. Thus 2260s can now be replaced by 3270s in an orderly manner during any stage of an installation's migration from IMS/Version 2.3 and OS/360 to IMS/VS and OS/VS.

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, 17 pages

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-1441

CICS/M.T.C.S. 3270 SCREEN FORMAT UTILITY - FDP 5798-CBH, NOTICE

This document describes the purpose and highlights of CICS/M.T.C.S. 3270 Screen Format Utility.

This FDP consists of programs and procedures which greatly simplify the creation of input and output maps for the 3270 under MTCs, CICS or CICS/VS. The TP control system may be running under DOS, DOS/VS, OS/MFT, OS/MVT, OS/VS1 or OS/VS2 on a System/370. The main program allows the user to specify his screen layout directly on an 80-column form and have the necessary control blocks generated directly from the screen layout. This makes coding new screens and changing existing screens extremely simple while reducing the chance for error. The existing Basic Mapping Support Facilities of CICS are used to provide the execution time map retrieval, interpretation services.

Optional features allow the user to explicitly name fields, to repeat fields (VS), insert EDIT words in a DSECT (VS) and to preview an output screen on a 3270 prior to coding the application program.

This Availability Notice contains complete ordering information 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.

Availability Notice, 6 pages
 ////5798-CBH

SB21-1442

CICS/M.T.C.S. 3270 SCREEN FORMAT UTILITY - FDP 5798-CBH, DESCRIPTION/OPERATIONS

This document describes the capabilities of the FDP and the programs of the CICS/M.T.C.S. 3270 Screen Format Utility.

This FDP consists of programs and procedures which greatly simplify the creation of input and output maps for the 3270 under MTCs, CICS or CICS/VS. The TP control system may be running under DOS, DOS/VS, OS/MFT, OS/MVT, OS/VS1 or OS/VS2 on a System/370. The main program allows the user to specify his screen layout directly on an 80-column form and have the necessary control blocks generated directly from the screen layout. This makes coding new screens and changing existing screens extremely simple while reducing the chance for error. The existing Basic Mapping Support Facilities of CICS are used to provide the execution time map retrieval, interpretation services.

Optional features allow the user to explicitly name fields, to repeat fields (VS), insert EDIT words in a DSECT (VS) and to preview an output screen on a 3270 prior to coding the application program.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

Manual, 275 pages
 ////5798-CBH

LB21-1443

CICS/M.T.C.S. 3270 SCREEN FORMAT UTILITY - FDP 5798-CBH, SYSTEMS GUIDE

This document describes the steps necessary to modify the CICS/M.T.C.S. 3270 Screen Format Utility.

This FDP consists of programs and procedures which greatly simplify the creation of input and output maps for the 3270 under MTCs, CICS or CICS/VS. The TP control system may be running under DOS, DOS/VS, OS/MFT, OS/MVT, OS/VS1 or OS/VS2 on a System/370. The main program allows the user to specify his screen layout directly on an 80-column form and have the necessary control blocks generated directly from the screen layout. This makes coding new screens and changing existing screens extremely simple while reducing the chance for error. The existing Basic Mapping Support Facilities of CICS are used to provide the execution time map retrieval, interpretation services.

Optional features allow the user to explicitly name fields, to repeat fields (VS), insert EDIT words in a DSECT (VS) and to preview an output screen on a 3270 prior to coding the application program.

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, 30 pages

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-1447

CONVERSION AID: IBM DOS/VS ANS COBOL FROM BURROUGHS B5500 COBOL - FDP 5798-CBP, NOTICE

This document describes the purpose and highlights of Conversion Aid: IBM DOS/VS ANS COBOL from Burroughs B5500 COBOL. The most important functions provided by this program are:

1. Conversion of free form Burroughs code to ANS COBOL format.
2. Character translation (Burroughs to EBCDIC)
3. Expansion of common Burrough's abbreviations to ANS COBOL forms.
4. Implementation of the Burrough's capability to 'copy' previous Data-name levels into adjusted level numbers.
5. Initialization of data in working storage.
6. Conversion of Burrough's relational operator's to ANS COBOL format.

This Availability Notice contains complete ordering

information 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.

Availability Notice, 4 pages
 ////5798-CBP

SB21-1448

CONVERSION AID: IBM DOS/VS ANS COBOL FROM BURROUGHS B5500 COBOL - FDP 5798-CBP, DESCRIPTION/OPERATIONS

This document describes the capabilities of the FDP and the programs of the Conversion Aid: IBM DOS/VS ANS COBOL from Burroughs B5500 COBOL. The most important functions provided by this program are:

1. Conversion of free form Burroughs code to ANS COBOL format.
2. Character translation (Burroughs to EBCDIC)
3. Expansion of common Burrough's abbreviations to ANS COBOL forms.
4. Implementation of the Burrough's capability to 'copy' previous Data-name levels into adjusted level numbers.
5. Initialization of data in working storage.
6. Conversion of Burrough's relational operator's to ANS COBOL format.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

Manual, 40 pages
 ////5798-CBP

GB21-1456

EXTENDING SEQUENTIAL DISK FILES FOR DOS/VS - FDP 5798-CBN, NOTICE

This 2 page Availability Notice, written in Assembler, describes the purpose and highlights of Extending Sequential Disk Files for DOS/VS.

This FDP can help improve performance and reduce disk storage requirements for applications that add records to the end of a sequential disk file, thus, eliminating the need to re-copy the files. The subroutines in this FDP will be included in the user's assembler or COBOL programs through a CALL instruction. The FDP supports 2314, 3330, and 3340 DADS devices, and does not require special pre-formatting of extents. Blocked or unblocked fixed length records may be added to sequential files and subsequently access through the standard DOS/VS sequential access methods via logical IOCS. Multiple files may be accessed in a user's program though only one copy of the FDP is included in the user's program.

This Availability Notice contains complete ordering information 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, 2 pages
 ////5798-CBN

SB21-1457

EXTENDING SEQUENTIAL DISK FILES FOR DOS/VS - FDP 5798-CBN, DESCRIPTION/OPERATIONS

This document describes the capabilities of the FDP and the programs of the Extending Sequential Disk Files for DOS/VS.

This FDP can help improve performance and reduce disk storage requirements for applications that add records to the end of a sequential disk file, thus, eliminating the need to re-copy the files. The subroutines in this FDP will be included in the user's assembler or COBOL programs through a CALL instruction. The FDP supports 2314, 3330, and 3340 DADS devices, and does not require special pre-formatting of extents. Blocked or unblocked fixed length records may be added to sequential files and subsequently access through the standard DOS/VS sequential access methods via logical IOCS. Multiple files may be accessed in a user's program though only one copy of the FDP is included in the user's program.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

Manual, 22 pages
 ////5798-CBN

LB21-1458

EXTENDING SEQUENTIAL DISK FILES FOR DOS/VS - FDP 5798-CBN, SYSTEMS GUIDE

This document describes the steps necessary to modify the Extending Sequential Disk Files for DOS/VS.

This FDP can help improve performance and reduce disk storage requirements for applications that add records to the end of a sequential disk file, thus, eliminating the need to re-copy the files. The subroutines in this FDP will be included in the user's assembler or COBOL programs through a CALL instruction. The FDP supports 2314, 3330, and 3340 DADS devices, and does not require special pre-formatting of extents. Blocked or unblocked fixed length records may be added to sequential files and subsequently access through the standard DOS/VS sequential access methods via logical IOCS. Multiple files may be accessed in a user's program though only one copy of the FDP is included in the user's program.

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, 12 pages
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-1492

CICS/ENTRY SYSTEM STATISTICS - FDP 5798-CBZ, NOTICE

This document describes the purpose and highlights of CICS/Entry System Statistics. This FDP operates as a standard task under CICS DOS Entry 5736XX6. It will operate under either DOS or DOS/VS, with CICS Entry running either virtual or real. The function of this CICS task is to display on a 3270 Model 2 terminal all the critical statistics, sizes and counters in a CICS Entry system. It can be used as a task to validate the initial generation of a CICS system. It can be used to monitor the effect of changes to a generated CICS system. It eliminates difficult searching through memory dumps or lengthy calculations to determine the size of the various components of CICS. Once a system is successfully installed, this task can be used to dynamically monitor system activity and parameters. For example, it is possible from a terminal to determine the current settings of things such as max tasks or the storage cushion. Any significant parameters that are not at normal value such as max tasks or the storage cushion. Any significant parameters that are not at normal value such as "dump count" are displayed in high intensity mode on the 3270. An existing FDP, 5798-AXR CICS Dynamic Map, does not support DOS/CICS Entry. This proposed FDP would compliment the existing CICS FDP/IUP programs.

This Availability Notice contains complete ordering information 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
/////5798-CBZ

SB21-1493

CICS/ENTRY SYSTEM STATISTICS FDP 5798-CBZDESCRIPTION/OPERATIONS

This document describes the capabilities of the FDP and the programs of the CICS/Entry System Statistics System Statistics.

This FDP operates as a standard task under CICS DOS Entry 5736XX6. It will operate under either DOS or DOS/VS, with CICS Entry running either virtual or real. The function of this CICS task is to display on a 3270 Model 2 terminal all the critical statistics, sizes, and counters in a CICS Entry system. It can be used as a task to validate the initial generation of a CICS system. It can be used to monitor the effect of changes to a generated CICS system. It eliminates difficult searching through memory dumps or lengthy calculations to determine the size of the various components of CICS. Once a system is successfully installed, this task can be used to dynamically monitor system activity and parameters. For example, it is possible from a terminal to determine the current settings of things such as max tasks or the storage cushion. Any significant parameters that are not at normal value such as "dump count" are displayed in high intensity mode on the 3270. An existing FDP, 5798-AXR CICS Dynamic Map, does not support DOS/CICS Entry. This proposed FDP would compliment the existing CICS FDP/IUP programs.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 12 pages
/////5798-CBZ

GB21-1498

CICS/VOLUME TEST FACILITY - FDP 5798-CDJ, NOTICE

This document describes the purpose and highlights of CICS/Volume Test Facility.

CICS Volume Test Facility provides the user with the capability to stress his total teleprocessing system in a production-like environment. The need for volume testing when undertaking changes in terminals, in network configuration, in central hardware systems, in control programs, or in applications is answered by this FDP.

When the Volume Test Facility is installed, the user will be able to use his own terminals and communications network and/or simulated facilities without the need for manning the physical terminals. He will be able to collect test data during normal production. He will use his own application and control programs during the test. He will be able to control the transaction rate, receive feedback on test progress during the test, and change testing parameters dynamically. Statistics in printed form are provided at the conclusion of the test. Each test can be controlled by a single analyst and can be repeated.

This Availability Notice contains complete ordering information for the 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.
Availability Notice, 4 pages
/////5798-CDJ

SB21-1499

CICS/VOLUME TEST FACILITY - FDP 5798-CDJ DESCRIPTION/OPERATIONS

This document describes the capabilities of the FDP and the programs of the CICS/Volume Test Facility.

CICS Volume Test Facility provides the user with the capability to stress his total teleprocessing system in a production-like environment. The need for volume testing when undertaking changes in terminals, in network configuration, in central hardware systems, in control programs, or in applications is answered by this FDP.

When the Volume Test Facility is installed, the user will be able to use his own terminals and communications network and/or simulated facilities without the need for manning the physical terminals. He will be able to collect test data during normal production. He will use his application and control programs during the test. He will be able to control the transaction rate receive feedback on test progress during the test, and change testing parameters dynamically. Statistics in printed form are provided at the conclusion of the test. Each test can be controlled by a single analyst and can be repeated.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 156 pages
/////5798-CDJ

GB21-1504

CICS NETWORK ACTIVITY SIMULATOR - FDP 5798-CCH, NOTICE

This document describes the purpose

and highlights of CICS Network Activity Simulator.

This Field Developed Program provides a means of using sequential input support of CICS while introducing delays between messages that would simulate the input messages through a terminal or line. Multiple streams could simulate a multi-line configuration allowing for a controlled rate of messages being processed. Thus by bending the system's resources, the user is able to measure impact on response time, paging, utilization, etc., by comparative analysis.

This Availability Notice contains complete ordering information for the 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.

Availability Notice, 4 pages
/////5798-CCH

SB21-1505

CICS NETWORK ACTIVITY SIMULATOR - FDP 5798-CCH, DESCRIPTION/OPERATIONS

This document describes the capabilities

of the FDP and the programs of the CICS Network Activity Simulator.

This Field Developed Program provides a means of using sequential input support of CICS while introducing delays between messages that would simulate the input messages through a terminal or line. Multiple streams could simulate a multi-line configuration allowing for a controlled rate of messages being processed. Thus by bending the system's resources, the user is able to measure impact on response time, paging, utilization, etc., by comparative analysis.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

Manual, 126 pages
/////5798-CCH

GB21-1507

CICS PLOT-FDP 5798-CCG, NOTICE

This document describes the purpose and highlights of CICS PLOT.

This Field Developed Program allows the CICS/VS user to manage the static storage requirements of CICS/VS and to optimize the real storage demands of the CICS system. The product displays both the virtual composition of the CICS/VS partition and the real storage residency of the virtual pages. It will also provide a working set summary which displays the total storage requirements for the resident operating system and the CICS/VS partition.

This Availability Notice contains complete ordering information for the 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.

Availability Notice, 4 pages
/////5798-CCG

SB21-1508

CICS PLOT - FDP 5798-CCG, DESCRIPTION/OPERATIONS

This document describes the

capabilities of the FDP and the programs of the CICS PLOT.

This Field Developed Program allows the CICS/VS user to manage the static storage requirements of CICS/VS and to optimize the real storage demands of the CICS system. The product displays both the virtual composition of the CICS/VS partition and the real storage residency of the virtual pages. It will also provide a working set summary which displays the total storage requirements for the resident operating system and the CICS/VS partition.

This Program Description/Operations Manual provides the user with sufficient information to understand, install

and successfully use the program.
Manual, 58 pages
/////5798-CCG

GB21-1510

VANDL-1/DL/I DATA BASE UTILITY, FDP 5798-CDH, NOTICE

This document describes the purpose and highlights of VANDL-1 DL/I Database Utility.

This Field Developed Program provides VANDL-1 and DL/I users with a quick, efficient technique for generating data base back-up tapes and for restoring to disk from tape. Up to eight VANDL-1 or fifteen DL/I data bases may be copied in a single execution. In addition, the programs have been developed to assist users in converting from VANDL-I to DL/I since a tape copied from a VANDL-1 data base may be used to restore to a DL/I database.

This Availability Notice contains complete ordering information 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.

Availability Notice, 2 pages
/////5798-CDH

SB21-1511

VANDL-1 - DL/I DATABASE UTILITY - FDP 5798-CDH, DESCRIPTION/OPERATIONS

This document describes the capabilities of the FDP and the programs of the VANDL-1 - DL/I Database Utility.

This Field Developed Program provides VANDL-I and DL/I users with a quick, efficient technique for generating data base back-up tapes and for restoring to disk from tape. Up to eight VANDL-1 or fifteen DL/I data bases may be copied in a single execution. In addition, the programs have been developed to assist users in converting from VANDL-1 to DL/I since a tape copied from a VANDL-1 data base may be used to restore to a DL/I database.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

Manual, 16 pages
/////5798-CDH

LB21-1512

VANDL-1 DL/I DATA BASE UTILITY, FDP 5798-CDH SYSTEMS GUIDE

This document describes the steps necessary to modify the VANDL-1 - DL/I Database Utility.

This Field Developed Program provides VANDL-1 and DL/I users with a quick, efficient technique for generating data base back-up tapes and for restoring to disk from tape. Up to eight VANDL-1 or fifteen DL/I data bases may be copied in a single execution. In addition, the programs have been developed to assist users in converting from VANDL-1 to DL/I since a tape copied from a VANDL-1 database may be used to restore to a DL/I database.

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, 13 pages
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-1513

POWER/VS COST & PERFORMANCE ANALYZER, FDP 5798-CDG NOTICE

This document describes the purpose and highlights of POWER/VS Cost and Performance Analyzer.

POWER/VS provides accounting records which contain important information concerning system utilization. The FDP reads these records and generates summary reports which should prove to be of significant benefit to data processing management. Reports include Execution (CPU), I/O Device activity, RJE, and a cost analysis report based on user-specified cost figures. The FDP provides the facility to accumulate daily information for monthly reports. A user modification and/or addition may be developed to use these summary records for monthly billing.

The POWER/VS Cost and Performance Analyzer will provide valuable operating information to Data processing and Operation Managers. System tuning will be possible by using the Performance Report to change placements of high activity files and indicate where excessive time and resources are used. From the Monthly Cost Analysis (which may be run at any desired frequency), a more enlightened view of computer costs may be obtained. Billing is facilitated because the data needed is available in a tape or disk record and need only be processed against the users customer data as bills are printed.

This Availability Notice contains complete ordering information 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.

Availability Notice, 8 pages
/////5798-CDG

SB21-1514

POWER/VS COST AND PERFORMANCE ANALYZER - FDP 5798-CDG, DESCRIPTION/OPERATIONS

This document describes the capabilities of the FDP and the programs of the POWER/VS Cost and Performance Analyzer.

POWER/VS provides accounting records which contain important information concerning system utilization. The FDP reads these records and generates summary reports which should prove to be of significant benefit to data processing management. Reports include Execution (CPU), I/O Device Activity, RJE, and a Cost Analysis report based on user-specified cost figures. The FDP provides the facility to accumulate daily information for monthly reports. A user modification and/or addition may be developed to use these summary records for monthly billing.

The POWER/VS Cost and Performance Analyzer will provide valuable operating information to Data Processing and Operation Managers. System tuning will be possible by using the Performance Report to change placements of high activity files and indicate where excessive time and resources are used. From the Monthly Cost Analysis (which may be run at any desired frequency), a more enlightened view of computer costs may be obtained. Billing is facilitated because the data needed is available in a tape or disk record and need only be processed against the users customer data as bills are printed.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

Manual, 71 pages
/////5798-CDG

LB21-1515

POWER/VS COST & PERFORMANCE ANALYZER, FDP 5798-CDG SYSTEMS GUIDE

This document describes the steps necessary to modify the POWER/VS Cost and Performance Analyzer.

POWER/VS provides accounting records which contain important information concerning system utilization. The FDP reads these records and generates summary reports which should prove to be of significant benefit to data processing management. Reports include Execution (CPU), I/O Device Activity, RJE, and a Cost Analysis report based on user-specified cost figures. The FDP provides the facility to accumulate daily information for monthly reports. A user modification and/or addition may be developed to use these summary records for monthly billing.

The POWER/VS Cost and Performance Analyzer will provide valuable operating information to Data Processing and Operation Managers. System tuning will be possible by using the Performance Report to change placements of high activity files and indicate where excessive time and resources are used. From the Monthly Cost Analysis (which may be run at any desired frequency), a more enlightened view of computer costs may be obtained. Billing is facilitated because the data needed is available in a tape or disk record and need only be processed against the users customer data as bills are printed.

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, 21 pages
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-1546

1400 COMPATIBILITY ACCESS ROUTINE - FDP 5798-CDB, NOTICE

This document describes the purpose and highlights of the 1400 Compatibility Access Routine.

Through the use of this Field Developed Program a System/370 COBOL or Assembler Language program can access disk data files which are in the 1400 Emulator format. The FDP does not require the use of the 1400 Emulator, therefore, orderly conversion of 1400 emulated applications to System/370 native mode operations under DOS/VS is possible. The FDP supports 1311, 1301 and 1405 type files emulated on a 3330 or 3340 Direct Access Storage Device. Data files can be in the track or sector format and in either move or load mode.

This Availability Notice contains complete ordering information 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.

Availability Notice, 4 pages
/////5798-CDB

SB21-1547

1400 COMPATIBILITY ACCESS ROUTINE - FDP 5798-CDB, DESCRIPTION/OPERATIONS

This document describes the capabilities of the FDP and the programs of the 1400 Compatibility Access Routine.

Through the use of this Field Developed Program a System/370 COBOL or Assembler Language program can access disk data files which are in the 1400 Emulator format. The FDP does not require the use of the 1400 Emulator, therefore, orderly conversion of 1400 emulated applications to System/370 native mode operations under DOS/VS is possible. The FDP supports 1311, 1301 and 1405 type files emulated on a 3330 or 3340 Direct Access Storage Device. Data files can be in the track or sector format and in either move or load mode.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 20 pages
/////5798-CDB

GB21-1549

OS/DITTO EXTENSIONS - FDP 5798-CDA, NOTICE

This Availability Notice contains complete ordering information 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.

This program includes the following extensions to the OS/DITTO FDP (5798-ARD):

- o High Speed/Buffered Tape to Tape
- o Card to Disk
- o Disk to Card
- o Disk to Disk
- o Tape to Disk
- o Disk to Tape
- o Disk to Printer Variable Blocked/Spanned
- o Print Member of a PDS
- o Data Set Compare (Tape and Disk)
- o DATALOG
- o UNCATALOG
- o SCRATCH DATA SET/MEMBER
- o LIST VTOC
- o LIST SPACE on PACK
- o LIST CATALOG
- o LIST PDS members
- o Write Tape Mark Off-line

Availability Notice, 4 pages, 12/75
/////5798-CDA

SB21-1550

OS/DITTO EXTENSIONS - FDP 5798-CDA, DESCRIPTION/OPERATIONS

This Program Description/ Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program see BOIS Abstract of GB21-1549 (5798-CDA)
Manual, 64 pages, 12/75
/////5798-CDA

LB21-1551

OS/DITTO EXTENSIONS - FDP 5798-CDA, SYSTEMS GUIDE

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.

For information about this program see BOIS Abstract of GB21-1549 (5798-CDA)
Systems Guide, 13 pages, 12/75
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-1566

S/370 RPG II ANALYSIS AND DOCUMENTATION AID - 5798-CDL, NOTICE

This document describes the purpose and highlights of S/370 RPG II Analysis and Documentation Aid.

This FDP consists of two groups of programs and sorts which produce six different documentation/trouble shooting aids. The first group produces field and indicator cross-references on an individual RPG II program. The second group uses as its input data all of the customer's RPG II source decks from which it produces cross-reference analyses and documentation concerning programs, files and field usage in the users system.

This Availability Notice contains complete ordering information 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.
Availability Notice, 4 pages
/////5798-CDL

SB21-1567

S/370 RPG II ANALYSIS AND DOCUMENTATION AID - FDP 5798-CDL, DESCRIPTION/OPERATIONS

This document describes the capabilities of the FDP and the programs of the S/370 RPG II Analysis and Documentation Aid.

This FDP consists of two groups of programs and sorts which produce six different documentation/trouble shooting aids. The first group produces field and indicator cross-references on an individual RPG II program. The second group uses as its input data all of the customer's RPG II source decks from which it produces cross-reference analyses and documentation concerning programs, files, and field usage in the users system.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 45 pages
/////5798-CDL

LB21-1568

S/370 RPG II ANALYSIS AND DOCUMENTATION AID - FDP 5798-CDL, SYSTEMS GUIDE

This document describes the steps necessary to modify the S/370 RPG II Analysis and Documentation Aid.

This FDP consists of two groups of programs and sorts which produce six different documentation/trouble shooting aids. The first group produces field and indicator cross-references on an individual RPG II program. The second group uses as its input data all of the customer's RPG II source decks from which it produces cross-reference analyses and documentation concerning programs, files and field usage in the users 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.
Manual, 10 pages

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-1578

IMS ON-LINE PROGRAM AND JOB DEVELOPMENT SYSTEM - FDP 5798-CDR, NOTICE

This document describes the purpose and highlights of IMS On-line Program and Job Development System.

The IMS Online Program and Job Development System is an IMS DB/DC application system which provides the ability to develop, edit, modify, test, and execute OS/VS jobs from an IBM 3270 Display Station supported by the IMS Data Base and Data Communications system. As a productivity aid, the IMS Online Program and Job Development System assists authorized users in developing OS/VS jobs through the text input and editing facilities of the system. Programs developed on this system may be executed from the remote 3270 displays and the resulting output may be displayed at any 3270 Display terminal or associated IMS hard copy device.

Convenient options screens are provided where users may specify optional parameters to create, edit, and display job input or output data.

In addition, utility programs are provided so that the user may include any existing data to the IMS user data base. This function allows any potential user to load his data, at any point in development, and continue the development through the facilities provided by this system. Additional utility programs allow the user to remove his input sets and associated output data from the data base when it is desired to continue development work offline. When the IMS DB/DC system is not in use, this facility allows users to continue their work offline. During online sessions, the user may replace the now changed input set and resume development and testing online.

This Availability Notice contains complete ordering information for the 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.
Availability Notice, 4 pages
/////5798-CDR

SB21-1579

IMS ON-LINE PROGRAM AND JOB DEVELOPMENT SYSTEM FDP 5798-CDR, DESCRIPTION/OPERATIONS

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

This document describes the capabilities of the FDP and the programs of the IMS On-line Program and Job Development System.

The IMS Online Program and Job Development System is an IMS DB/DC application system which provides the ability to develop, edit, modify, test, and execute OS/VS jobs from an IBM 3270 Display Station supported by the IMS Data Base and Data Communications system. As a productivity aid, the IMS Online Program and Job Development System assists authorized users in developing OS/VS jobs through the text input and editing facilities of the system. Programs developed on this system may be executed from the remote 3270 displays and the resulting output may be displayed at any 3270 Display terminal or associated IMS hard copy device.

Convenient options screens are provided where users may specify optional parameters to create, edit, and display job input or output data.

In addition, utility programs are provided so that the user may include any existing data to the IMS user data base. This function allows any potential user to load his data, at any point in development, and continue the development through the facilities provided by this system. Additional utility programs allow the user to remove his input sets and associated output data from the data base when it is desired to continue development work offline. When the IMS DB/DC system is not in use, this facility allows users to continue their work offline. During online sessions, the user may replace the now changed input set and resume development and testing online.
Manual, 78 pages
/////5798-CDR

GB21-1581

IMS MONITOR SUMMARY AND SYSTEMS ANALYSIS PROGRAMS - FDP 5798-CDT, NOTICE

This document describes the purpose and highlights of IMS Monitor Summary and Systems Analysis

Programs.

The IMS Monitor Summary and System Analysis Program (IMSASAP) is a set of programs designed to process DFSTRAPC output data from either IMS DC Monitor (Field Developed Program Number 5798-BDF) or IMS/VS Monitor (IMS/VS 1.0.1). It uses a subset of data collected by DFSTRAPC to produce several selectable, additional monitor type reports designed to fill the need of management, system analysts and programmers. The IMSASAP System output enables the user to analyze and adjust the parameters of a IMS On-Line System for optimum operations and performance.

This Availability Notice contains complete ordering information 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.

Availability Notice, 6 pages
 /////5798-CDT

SB21-1582

IMS MONITOR SUMMARY AND SYSTEMS ANALYSIS PROGRAMS - FDP 5798-CDT, DESCRIPTION/OPERATIONS

This document describes the capabilities of the FDP and the programs of the IMS Monitor Summary and Systems Analysis Programs.

The IMS Monitor Summary and System Analysis Program (IMSASAP) is a set of programs designed to process DFSTRAPC output data from either IMS DC Monitor (Field Developed Program Number 5798-BDF) or IMS/VS Monitor (IMS/VS 1.0.1). It uses a subset of data collected by DFSTRAPC to produce several selectable, additional monitor type reports designed to fill the need of management, system analysts and programmers. The IMSASAP System output enables the user to analyze and adjust the parameters of a IMS On-Line System for optimum operations and performance.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

Manual, 78 pages
 /////5798-CDT

GB21-1586

IMS DICTIONARY SYSTEM ENHANCEMENTS - FDP 5798-CEE, NOTICE

This document describes the purpose and highlights of IMS Dictionary System Enhancements.

The following are enhancements to be included in this product.

- o Improved messages for structures out
- o Indented COBOL Structures
- o Global status, language, occurrence number
- o On-line audit trail
- o Improved on-line support
- o Assembly language components
- o Syntax flush control

Other enhancements will be announced when available.

- o COBOL-IN
- o Character String-Scan
- o Copy function
- o Delete from command
- o SEG-REPORT to show SEG-DBS intersection data.

This Availability Notice contains complete ordering information 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.

Availability Notice, 4 pages
 /////5798-CEE

SB21-1587

IMS DICTIONARY SYSTEM ENHANCEMENTS - FDP 5798-CEE, DESCRIPTION/OPERATIONS

This document describes the capabilities of the FDP and the programs of the IMS Dictionary System Enhancements.

The following are enhancements to be included in this product.

- o Improved messages for structures out
- o Indented COBOL Structures
- o Global status, language, occurrence number
- o On-line audit trail
- o Improved on-line supports
- o Assembly language components
- o Syntax flush control

Other enhancements will be announced when available.

- o COBOL-IN
- o Character String-Scan
- o Copy function
- o Delete from command
- o SEG-REPORT to show SEG-DBS intersection data.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

Manual, 59 pages
 /////5798-CEE

LB21-1588

IMS DICTIONARY SYSTEM ENHANCEMENTS - FDP 5798-CEE, SYSTEMS GUIDE

This document describes the steps necessary to modify the IMS Dictionary System Enhancements.

The following are enhancements to be included in this product.

- o Improved messages for structures out

- o Indented COBOL Structures
- o Global status, language, occurrence number
- o On-line audit trail
- o Improved on-line support
- o Assembly language components
- o Syntax flush control

Other enhancements will be announced when available.

- o COBOL-IN
- o Character String-Scan
- o Copy function
- o Delete from command
- o SEG-REPORT to show SEG-DBS intersection data.

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, 5 pages
 SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-1613

FORTRAN PREPROCESSOR FOR STRUCTURED PROGRAMMING - FDP 5798-CDW, NOTICE

This document describes the purpose and highlights of FORTRAN Preprocessor for Structured Programming.

Designed to allow FORTRAN IV programmers to enjoy the benefits of Structured Programming, this Field Developed Program is a pre-processor which reads in IBM FORTRAN IV programs, recognizes the new commands supporting structured programming, and converts them to compiler-acceptable FORTRAN statements. The new commands supported are IF THEN, IF THEN ELSE, DO WHILE, and DO UNTIL. The documentation for the program also provides a general discussion on implementation of structured programming.

This Availability Notice contains complete ordering information for the 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.

Availability Notice, 8 pages
 /////5798-CDW

SB21-1614

FORTRAN PREPROCESSOR FOR STRUCTURED PROGRAMMING (5798-CDW) FDP 5798-CDW, DESCRIPTION/OPERATIONS

This document describes the capabilities of the FDP and the programs of the FORTRAN Preprocessor for Structured Programming.

Designed to allow FORTRAN IV programmers to enjoy the benefits of Structured Programming, this Field Developed Program is a pre-processor which reads in IBM FORTRAN IV programs, recognizes the new commands supporting structured programming, and converts them to compiler-acceptable FORTRAN statements. The new commands supported are IF THEN, IF THEN ELSE, DO WHILE, and DO UNTIL. The documentation for the program also provides a general discussion on implementation of structured programming.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

Manual, 49 pages
 /////5798-CDW

LB21-1615

FORTRAN PREPROCESSOR FOR STRUCTURED PROGRAMMING - FDP 5798-CDW, SYSTEMS GUIDE

This document describes the steps necessary to modify the FORTRAN Preprocessor for Structured Programming.

Designed to allow FORTRAN IV programmers to enjoy the benefits of Structured Programming, this Field Developed Program is a pre-processor which reads in IBM FORTRAN IV programs, recognizes the new commands supporting structured programming, and converts them to compiler-acceptable FORTRAN statements. The new commands supported are IF THEN, IF THEN ELSE, DO WHILE, and DO UNTIL. The documentation for the program also provides a general discussion on implementation of structured programming.

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, 35 pages
 SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-1616

DOS/VS MICR READER/SORTER UTILITY FDP 5798-CEH, NOTICE

This document, written in APL, describes the purpose and highlights of DOS/VS MICR Reader/Sorter Utility.

This program is designed to allow a user to generate a tailored MICR capture program without knowledge of reader/sorter hardware, DOS assembler language, or MICR programming conventions. Once generated, this program performs all basic capture functions including:

1. Read and examine the validity of all input data field
2. Select out desired user information for further processing.
3. Self-check account numbers according to user specifications.
4. Sort documents to user specifications by digit, cascade or R/T number.

5. Accumulate totals and item counts for each pocket used.
6. Accumulate hardware and software error statistics for each batch processed.
7. Print capture lists and optionally outgoing bundle lists for "killed" pockets.
8. Batch balance all input data.
9. Accept input data from MICR documents, cards, or both, within the same run.
10. Allow multi-bank processing.
11. Create a disk record for each document processed.
12. Full restart at batch level in case of hardware or software failure.

This availability Notice contains complete ordering information 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.
Availability Notice, 4 pages
/////5798-CEH

SB21-1617

DOS/VS MICR READER/SORTER UTILITY
FDP 5798-CEH, DESCRIPTION/OPERATIONS

This document describes the capabilities of the FDP and the programs of the DOS/VS MICR Reader/Sorter Utility. This program is designed to allow a user to generate a tailored MICR capture program without knowledge of reader/sorter hardware, DOS assembler language, or MICR programming conventions. Once generated, this program performs all basic capture functions including:

1. Read and examine the validity of all input data fields.
2. Select out desired user information for further processing.
3. Self-check account numbers according to user specifications.
4. Sort documents to user specifications by digit, cascade or R/T number.
5. Accumulate totals and item counts for each pocket used.
6. Accumulate hardware and software error statistics for each batch processed.
7. Print capture lists and optionally outgoing bundle lists for "killed" pockets.
8. Batch balance all input data.
9. Accept input data from MICR documents, cards, or both within the same run.
10. Allow multi-bank processing.
11. Create a disk record for each document processed.
12. Full restart at batch level in case of hardware or software failure.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual, 71 pages
/////5798-CEH

GB21-1619

IMS TRAPDLI SYSTEM - FDP 5798-CEJ, AVAILABILITY NOTICE

This Availability Notice contains complete ordering information for the 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.

This document describes the purpose and highlights of IMS TRAPDLI System.

The IMS TRAPDLI System consists of load module to trap DL/I calls, IWAIT information, and various other pertinent IMS batch related activities for either IMS/360 Versions 2.3 and 2.4 or IMS/VS Version 1.0 and 1.0.1 to output sequential file; and a set of report programs to process this sequential file to produce several reports which can be used to analyze and tune an IMS Batch (DB) system. The goal of TRAPDLI is to collect information similar to what IMS DC Monitor (FDP 5798-BDF) collects for an IMS DB/DC system and produce reports similar to IMSASAP (FDP 5798-CDT) reports.
Notice, 8 pages
/////5798-CEJ

SB21-1620

IMS TRAPDLI SYSTEM - FDP 5798-CEJ, DESCRIPTION/OPERATIONS

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

This document describes the capabilities of the FDP and the programs of the IMS TRAPDLI System.

The IMS TRAPDLI System consists of load module to trap DL/I calls, IWAIT information, and various other pertinent IMS batch related activities for either IMS/360 Versions 2.3 and 2.4 or IMS/VS Version 1.0 and 1.0.1 to output sequential file; and a set of report programs to process this sequential file to produce several reports which can be used to analyze and tune an IMS Batch (DB) system. The goal of TRAPDLI is to collect information similar to what IMS DC Monitor (FDP 5798-BDF) collects for an IMS DB/DC system and produce reports similar to IMSASAP (FDP 5798-CDT) reports.
Manual, 94 pages
/////5798-CEJ

LB21-1621

IMS TRAPDLI SYSTEM - FDP 5798-CEJ, SYSTEMS GUIDE

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.

This document describes the steps necessary to modify the IMS TRAPDLI System.

The IMS TRAPDLI System consists of load module to trap DL/I calls, IWAIT information and various other pertinent IMS batch related activities for either IMS/360 Versions 2.3 and 2.4 or IMS/VS Version 1.0 and 1.0.1 to output sequential file; and a set of report programs to process this sequential file to produce several reports which can be used to analyze and tune an IMS Batch (DB) system. The goal of TRAPDLI is to collect information similar to what IMS DC Monitor (FDP 5798-BDF) collects for an IMS DB/DC system and produce reports similar to IMSASAP (FDP 5798-CDT) reports.
Manual, 43 pages
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-1641

CICS/M.T.C.S. ON-LINE PANEL ENTRY LIBRARY SYSTEM - FDP 5798-CET, NOTICE

This Availability Notice contains complete ordering information for the 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.

This FDP is written in Assembler Language.

This FDP provides a system for creating, storing, updating and retrieving screen formats for the 3270 display system in an online, interactive mode. It operates as an application program under both CICS (DOS/VS and OS/VS) and MTCs.

Primary input to the FDP is from the 3277 via an interactive session. There are batch functions including several reports and the ability to input BMS macro statements for incorporation of existing into PANELS. Batch output also includes BMS macro statements corresponding to the screens in the library.
Availability Notice, 6 pages, 12/75
/////5798-CET

SB21-1642

CICS/M.T.C.S. ON-LINE PANEL ENTRY LIBRARY SYSTEM - FDP 5798-CET, DESCRIPTION/OPERATIONS

This Program Description/ Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program, see abstract of GB21-1641, (5798-CET).
Manual, 95 pages, 12/75
/////5798-CET

LB21-1643

CICS/M.T.C.S. ON-LINE PANEL ENTRY LIBRARY SYSTEM - FDP 5798-CET, SYSTEMS GUIDE

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.

For information about this program, see abstract of GB21-1641, (5798-CET).
Manual, 13 pages, 12/75
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-1653

GENERALIZED TRACE FACILITY - DIRECT ACCESS CONTENTION ANALYZER, FDP 5798-CEZ, NOTICE

This Availability Notice contains complete ordering information for the 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.

This FDP will process a dataset produced by the Generalized Trace Facility service aid of either VS1, VS2 (SVS or MVS) extracting the Input/Output interrupt records and Start I/O records for a set of selected Direct Access Device addresses. If the system was generated with alternate path support, the program will accommodate the alternate addresses. From these records, the control unit busy time and device busy time are calculated. The total time for input/output operations and the number encountered in the trace output are also developed.

These statistics give visibility to the amount of control unit or device contention, and the number and duration of Input/Output operations in a large Direct Access installation.
Availability Notice, 4 pages, 12/75
/////5798-CEZ

SB21-1654

GENERALIZED TRACE FACILITY - DIRECT ACCESS CONTENTION ANALYZER - FDP 5798-CEZ, DESCRIPTION/OPERATIONS

This Program Description/ Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program, see abstract of GB21-1653, (5798-CEZ).
Manual, 26 pages, 12/75
/////5798-CEZ

GB21-1671

MINIMUM TELEPROCESSING DATA ENTRY SUBROUTINES
FDP 5798-CFG, NOTICE

This document, written in Assembler, describes the purpose and highlights of Minimum Teleprocessing Data Entry Subroutines. Developed for use with the M.T.C.S./370 FDP (5798-ALN), the Minimum Teleprocessing Data Entry Subroutines provide facilities which enhance M.T.C.S./370 performance and flexibility in data entry applications. The subroutines, invoked by user-written transaction programs, provide DAM file support, paging for re-reading and changing previously entered data, automatic signalling when file capacity has exceeded a pre-determined level, and online closing and re-opening of files for space enlargement or substitution of new files. Additional functions provided include a recovery transaction for data integrity, a data extraction subroutine, a self-relocating sort-exit subroutine for interfacing to DOS/VS Sort/Merge (5746-SM1), plus a sample data entry as well as serving as a model for more complex data entry transactions.

This Availability Notice contains complete ordering information 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.

Availability Notice, 4 pages
 ////5798-CFG

SB21-1672

MINIMUM TELEPROCESSING DATA ENTRY SUBROUTINES
FDP 5798-CFG, DESCRIPTION/OPERATIONS

This document, written in Assembler, describes the capabilities of the FDP and the programs of the Minimum Teleprocessing Data Entry Subroutines. Developed for use with the M.T.C.S./370 FDP (5798-ALN), the Minimum Teleprocessing Data Entry Subroutines provide facilities which enhance M.T.C.S./370 performance and flexibility in data entry applications. The subroutines, invoked by user-written transaction programs, provide DAM file support, paging for rereading and changing previously entered data, automatic signalling when file capacity has exceeded a pre-determined level, and online closing and re-opening of new files. Additional functions provided include a recovery transaction for data integrity, a data extraction subroutine, a self-relocating sort-exit subroutine for interfacing to DOS/VS Sort/Merge (5746-SM1), plus a sample data entry transaction program which is useful for card-image data entry as well as serving as a model for more complex data entry transactions.

This Program Description/ Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

Manual, 33 pages
 ////5798-CFG

LB21-1673

MINIMUM TELEPROCESSING DATA ENTRY SUBROUTINES
FDP 5798-CFG, SYSTEMS GUIDE

This document, written in Assembler, describes the steps necessary to modify the Minimum Teleprocessing Data Entry Subroutines. Developed for use with the M.T.C.S./370 FDP (5798-ALN), the Minimum Teleprocessing Data Entry Subroutines provide facilities which enhance M.T.C.S./370 performance and flexibility in data entry applications. The subroutines, invoked by user-written transaction programs, provide DAM file support, paging for re-reading and changing previously entered data, automatic signalling when file capacity has exceeded a pre-determined level, and online closing and re-opening of files for space enlargement or substitution of new files. Additional functions provided include a recovery transaction for data integrity, a data extraction subroutine, a self-relocating sort-exit subroutine for interfacing to DOS/VS Sort/Merge (5746-SM1), plus a sample data entry transaction program which is useful for card image data entry as well as serving as a model for more complex data entry transactions.

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, 11 pages
 SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-1680

MTCS/VS, FDP 5798-CFK, NOTICE

This Availability Notice contains complete ordering information for the 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.

The minimum Tele-Communication System/Virtual Storage (MTCS/VS), written in Assembler, is a generalized data communication system designed for the smaller DOS/VS user. In addition to data communication facilities, it provides interface and control functions so that installation files and databases can be accessed to implement a small scale data base/data communication (DB/DC) system.

MTCS/VS is designed to be installed quickly with a minimum expenditure for man and machine resources. The advantages of a DB/DC system can be realized sooner because long lead times are not required for specialized training of application and system programmer, and the low main storage requirements permit installation with minimum expenditure for additional equipment.

MTCS/VS is the third in a series of "MTCS" Field Developed Programs (the first was Minimum Teleprocessing Communication System (MTCS), 5798-AAY, the second was Minimum Tele-Communication System for System/370 (MTCS/370), 5798-ALN).

MTCS/VS provides the following improvements to, and features not available in, MTCS/370:

- o Access to VSAM Datasets
- o Access to DL/I Entry Databases
- o Enhanced CICS/DOS/VS Compatibility
- o Technological Improvements achieved through:
 - Utilization of DOS/VS capabilities which are not available in the non-VS Disk Operating System
 - Addition of New Features
 - Improved Installability, Usability and Operational Flexibility.

Availability notice, 8 1/2 x 11 inches, 8 pgs, 10/76
 ////5798-CFK

SB21-1681

MTCS/VS, FDP 5798-CFK, DESCRIPTION/OPERATION

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program see BOIS abstract for GB21-1680 (5798-CFK)
 Manual, 8 1/2 x 11 inches, 553 pgs, 10/76
 ////5798-CFK

LB21-1682

MTCS/VS, FDP 5798-CFK, SYSTEM GUIDE

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.

For information about this program see BOIS abstract for GB21-1680 (5798-CFK)

GB21-1683

DOS/VS ENTRY TIME SHARING SYSTEM - FDP 5798-CFL, NOTICE
ALSO FOR TERMINAL CONTROL FACILITY, 5798-CGC

This Availability Notice contains complete ordering information for the 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.

For details on the program, see the LB21-1685 (Systems Guide)

Availability Notice, 8 pages
 ////5798-CFL,5798-CGC

SB21-1684

DOS/VS ENTRY TIME SHARING SYSTEM (5798-CFL) - FDP 5798-CFL,
DESCRIPTION/OPERATIONS

This Program Description/ Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For details on the program see abstract for LN21-1685 (Systems Guide)

Manual, 260 pages
 ////5798-CFL

LB21-1685

DOS/VS ENTRY TIME SHARING SYSTEM - FDP 5798-CFL, SYSTEMS
GUIDE

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.

This FDP, the DOS/VS Entry Time Sharing System provides customers an entry level interactive facility whereby terminal users may enter and edit programs or data, compile source programs and execute the resulting object programs. It will run on a System/370 with a minimum of 128K bytes of real storage and supports local 3270, non-switched remote 3270, 3275, 2740, and 3767 in 2740 mode, as well as 3284, 3286, 3288 attached to supported 3270.

Normal "batch" compilers should function without modification in the Time Sharing System, provided they conform to standard DOS/VS coding conventions.

Programs in Assembler, VS/BASIC DOS/VS COBOL, DOS FORTRAN IV, PL/I Optimizer and RPG II have been entered, compiled and executed from a terminal under the Time Sharing System. The Time Sharing System executes in a single foreground partition.

Batch processing, spooling, and remote job entry can execute concurrently outside the Time Sharing partition and programs entered via terminal can be submitted for batch processing through a Submit-to-Batch facility.

Security features include user identification code, password, controlled access to public, private and common data via user profile, and user storage protection.

The DOS/VS Entry Time Sharing System uses the terminal control facility to the Minimum Tele-Communication System (M.T.C.S./370) FDP, 5798-ALN.

Users who do not have M.T.C.S./370 installed must also order the Terminal Control for DOS/VS Entry Time Sharing System, 5798-CGC, at an additional \$85/month.

(paid up license after 12 months).
 Systems Guide, 136 pages
 SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-1696

CICS SOURCE PROGRAM MAINTENANCE ON-LINE II - FDP 5798-CFT, NOTICE

This Availability Notice contains complete ordering information for the 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.

This new Field Developed Program is an improved version of the Source Program Maintenance On-Line FDP (5798-BDT). It is being offered with extended support and continuing monthly payments. The product extends the power of a CICS online system to programmers and systems programmers via a 3270 display station. Specifically this program provides CICS users with a facility for storing source programs on disk, retrieving them, conversational modification via terminal, and the creation of job streams from the terminal for compilation and testing of the programs.

Enhancements to the original version include POWER/VS job submission, tab characters to ease statement entry, support of multiple data sets for capacity and integrity, statement location by relative reference, a facility to move or copy parts or all of a program, multiple line (or text) entries per transaction, and an improved arrangement of display and compressed directories.
Availability Notice, 4 pages, 12/75
/////5798-CFT

SB21-1697

CICS/VS PERFORMANCE ANALYZER II - FDP 5798-CFP, DESCRIPTION/OPERATIONS

This Program Description/ Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program, see abstract of GB21-1862, (5798-CFP).
Manual, 101 pages, 12/75
/////5798-CFP

SB21-1700

CICS SOURCE PROGRAM MAINTENANCE ON-LINE II - FDP 5798-CFT, DESCRIPTION/OPERATIONS

This Program Description/ Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program, see abstract of GB21-1696 (5798-CFT).
Manual, 212 pages, 12/75
/////5798-CFT

SB21-1719

DOS/VS ENTRY TIME SHARING SYSTEM (5798-CFL) - FDP 5798-CFL, TERMINAL USER'S GUIDE

This Program Description/ Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

See abstract for LB21-1685 (Systems Guide)
Terminal User's Guide, 264 pages
/////5798-CFL

GB21-1720

DOS/VS 3540 DISKETTE UTILITY - FDP 5798-CGH, NOTICE

This Availability Notice contains complete ordering information for the 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.

This FDP, the DOS/VS 3540 Diskette Utility is a general purpose utility program containing thirteen (13) utility functions for the 3540 Diskette I/O Unit. Functional utilities available in addition to normal card, tape, diskette, and printer utilities provide the facility to examine, alter, and modify diskette data files used in both a testing and production environment. In addition, the FDP provides backup for 3740 diskette files on either card or tape, thereby freeing diskettes for data entry.

The utilities provide the ability to access and display any diskette file on any supported device. The user can determine the file characteristics, and initiate console commands to provide the necessary data to continue processing.

Availability Notice, 4 pages
/////5798-CGH

SB21-1735

DOS/VS ENTRY TIME SHARING SYSTEM - FDP 5798-CFL, TERMINAL USER'S SUMMARY

This Program Description/ Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

See abstract for LB21-1685 (Systems Guide).
Manual, 71 pages
/////5798-CFL

GB21-1740

DOS/VS DL/I STATUS DISPLAY AND DEBUGGING AID - FDP 5798-CGL, NOTICE

This Availability Notice contains complete ordering information 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.

The DOS/VS DL/I Status Display and Debugging Aid FDP, written in Assembler Language, is designed to assist in the installation of online DL/I with DOS/VS and CICS/VS, the implementation of new DL/I transactions and the understanding of unusual DL/I conditions during normal operations. The program can be invoked after any DL/I call either as part of an error recovery procedure or as a snap shot of DL/I activity. The information provided by the program includes: pertinent CICS data, a trace code, the function code, PCB fields, the work area, all SSAs, segment sensitivity, PSB and DBD names and a trace of previous functions. The output of the program is sent to Transient Data. Transient Data can then be printed.
Availability Notice, 4 pages, 12/75
/////5798-CGL

SB21-1741

DOS/VS DL/I STATUS DISPLAY AND DEBUGGING AID - FDP 5798-CGL, DESCRIPTION/OPERATIONS

This Program Description/ Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program, see Abstract of GB21-1740, (5798-CGL)
Manual, 23 pages, 12/75
/////5798-CGL

LB21-1742

DOS/VS DL/I STATUS DISPLAY AND DEBUGGING AID - FDP 5798-CGL, SYSTEMS GUIDE

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.

For information about this program, see Abstract of GB21-1740, (5798-CGL)
Systems Guide, 23 pages, 12/75
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GB21-1752

MVS STORAGE UTILIZATION DISPLAY PROGRAM - FDP 5798-CGT, NOTICE

This Availability Notice contains complete ordering information for the 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.

This FDP, an MVS Storage Utilization Display program, displays in real time the system paging rate, real storage utilization by job, and the number of page frames on each of the MVS internal queues. This program provides the ability to monitor storage utilization in MVS and enables the systems programmer to pinpoint systems performance problems without having to resort to piles of listings. The ability to provide real time displays allows the systems programmer, through observation, to select storage utilization data that is considered worthy of analysis. This eliminates printing of data which is not considered meaningful.
Availability Notice, 6 pages
/////5798-CGT

SB21-1753

MVS STORAGE UTILIZATION DISPLAY PROGRAM - FDP 5798-CGT, DESCRIPTION/OPERATIONS

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

This FDP, an MVS Storage Utilization Display program, displays in real time the system paging rate, real storage utilization by job, and the number of page frames on each of the MVS internal queues. This program provides the ability to monitor storage utilization in MVS and enables the systems programmer to pinpoint systems performance problems without having to resort to piles of listings. The ability to provide real time displays allows the systems programmer, through observation, to select storage utilization data that is considered worthy of analysis. This eliminates printing of data which is not considered meaningful.
Manual, 39 pages
/////5798-CGT

LB21-1754

MVS STORAGE UTILIZATION DISPLAY PROGRAM - FDP 5798-CGT, SYSTEMS GUIDE

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.

This FDP, an MVS Storage Utilization Display program, displays in real time the system paging rate, real storage utilization by job, and the number of page frames on each of the MVS internal queues. This program provides the ability to monitor storage utilization in MVS and enables the systems programmer to pinpoint systems performance problems without having to resort to piles of listings. The ability to provide real time displays allows the systems programmer, through observation, to select storage utilization data that is considered worthy of analysis. This eliminates printing of data which is not considered meaningful.
Manual, 84 pages
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-1773

DOS DASDI JCL CONVERSION AID - FDP 5798-CHA, NOTICE

This Availability Notice contains complete ordering information 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.

This FDP, the DOS DASDI JCL Conversion Aid, written in Assembler Language, is a program developed to significantly reduce the manual effort required to convert DOS Job Control Language decks when changing types of disk drives. Although changes for permanent assignments and standard labels can be manually accomplished without much difficulty, ASSGN, DLBL, and EXTEXT cards imbedded in JCL decks can require many hours of manual labor. This FDP allows the user to define conversion requirements with one master control card and a series of cards which describe the relationship between the old and new devices. There may be as few as two cards per disk drive. The DOS DASDI JCL Conversion Aid can provide substantial savings in personnel costs when large program libraries must be converted to reflect installation of new disk drives.

Availability Notice, 6 pages, 12/75
 /////5798-CHA

SB21-1774

DOS DASDI JCL CONVERSION AID - FDP 5798-CHA, DESCRIPTION/OPERATIONS

This Program Description/ Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program, see Abstract of GB21-1773, (5798-CHA).
 Manual, 30 pages, 12/75
 /////5798-CHA

LB21-1775

DOS DASDI JCL CONVERSION AID - FDP 5798-CHA, SYSTEMS GUIDE

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.

For information about this program, see Abstract of GB21-1773, (5798-CHA).
 Systems Guide, 12 pages, 12/75
 SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-1776

3741 SORT PROGRAM - FDP 5798-CHB, NOTICE

This Availability Notice contains complete ordering information for the 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.

This FDP is a sort program for the 3741 Models 3 and 4. There are two programs, one is a 4K program which sorts up to 1024 records, the second is an 8K program which sorts up to 1898 records using two diskettes. The sort field can start in any record position 1 through 128 with a field length of 1 to 15 bytes. The program does not require diskette work space. Sort control data is specified by a user "sort control label" on track zero record 26 of Drive 1 or 2. The user can specify:

- 1) Input data set name (Drives 1 or 2)
- 2) Sort Field Description
- 3) Output data set name (Drive 1 or 2)
- 4) Name of next program (Program chaining)
- 5) Request printout of records sorted

Since this program is to be installed on a 3741 Programmable Work Station, it is licensed to operate on a designated 3741 rather than a designated CPU. Therefore, on the Supplement to Amended License Agreement for IBM Program Products (For Specially Developed Programs), in the column entitled Designated CPU Type/Serial Number, the 3741 Programmable Work Station on which the 3741 Sort Program is or will be installed should be designated by type/serial number. An asterisk (*) should be placed beside the serial number and the following statement inserted on the Supplement: "*For the 3741 Sort Program License, the term CPU in the License Agreement and Amendment and Supplement thereto refers to the 3741 Programmable Work Station."
 Availability Notice, 4 pages
 /////5798-CHB

SB21-1777

3741 SORT PROGRAM - FDP 5798-CHB, DESCRIPTION/OPERATIONS

This Program Description/ Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For further information see BOIS abstract for GB21-1776.
 Manual, 15 pages
 /////5798-CHB

LB21-1778

3741 SORT PROGRAM - FDP 5798-CHB, SYSTEMS GUIDE

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.

For further information see BOIS abstract for GB21-1776.
 Systems Guide, 14 pages

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-1786

DATA BASE CALL MACROS - FDP 5798-CHK, NOTICE

This Availability Notice contains complete ordering information for the 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.

The Data Base Call Macros FDP is designed to reduce the assembler language coding effort required to implement DL/1 and VANDL/1 data base application programs in both batch and CICS environments. Keyword parameters specify conditional assembly predicate information resulting in the generation of standard code for DL/1 PCBs, SSAs and call parameter lists.
 Availability Notice, 4 pages, 12/75
 /////5798-CHK

SB21-1787

DATA BASE CALL MACROS - FDP 5798-CHK, DESCRIPTION/OPERATIONS

This Program Description/ Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program, see abstract of GB21-1786, (5798-CHK).

Manual, 39 pages, 11/75
 /////5798-CHK

GB21-1792

IMS MONITOR SUMMARY AND SYSTEM ANALYSIS PROGRAM II (IMSASAP II), FDP 5798-CHJ, NOTICE

This Availability Notice contains complete ordering information for the 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.

IMSASAP II (FDP 5798-CHJ), a Productivity Aid written in ALC, extends the significant features of IMSASAP (FDP 5798-CDT) to IMS/VS 1.1 and provides key reporting and usability enhancements for both IMS/VS 1.0.1 and IMS 1.1 users.

IMSASAP II is comprised of a set of report processors which execute under the System for Generalized Performance Analysis Reporting (FDP 5798-CPR). It processes IMS/VS monitor output to provide management, analyst, and programmer level reports which assist in the analysis of an IMS/VS system environment.

Significant features include:

- New Reports
 - System IWAIT Reports
 - Transactions by Time Period
 - Detail PSB Activity Reports
- Enhanced Reports
 - Summary Reports
 - Region Histogram
 - Program Trace
- Hierarchical reporting structure, from system
- summarizes to program trace reports.
- Elapsed time per event distributions provided on appropriate reports.
- Reporting of schedules in progress at trace start and trace end, including wait-for-input and BMP programs.
- Report and content selection by report type, time period, region, and PSBNAME or DDNAME groups.
- Selection of reports and reporting options through use of a command language.

Availability notice, 8 1/2 x 11 inches, 8 pgs, 4/77
 /////5798-CHJ

SB21-1793

IMS MONITOR SUMMARY AND SYSTEM ANALYSIS PROGRAM II (IMSASAP II) - FDP 5798-CHJ, DESCRIPTION/OPERATIONS

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program, see abstract for GB21-1792 (5798-CHJ).

Manual, 8 1/2 x 11 inches, 135 pgs, 4/77
 /////5798-CHJ

LB21-1794

SYSTEM FOR GENERALIZED PERFORMANCE ANALYSIS REPORTING (GPAR) - FDP 5798-CPR, SYSTEMS GUIDE

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program, see abstract for GB21-2091 (5798-CPR).

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

SB21-1796

TSO/3270 DISPLAY COPY SUPPORT, FDP 5798-CHL, DESCRIPTION/OPERATIONS

This Program Description/ Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program, see abstract of GB21-1795 (5798-CHL).

Manual, 58 pages, 5/76
 /////5798-CHL

GB21-1804

APL DATA LANGUAGE - FDP 5798-CHR, NOTICE

This Availability Notice contains complete ordering information for the 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.

This Field Developed Program is written in APL. This FDP expands the capability of APL by providing the APL application programmer with a powerful data management facility. It complements APL's extensive data manipulation facilities with a dictionary driven, data independent, data storage and retrieval system. The user can retrieve data across a network of inter-related files.

APL data language can help eliminate the usually large amounts of user written data manipulation and housekeeping code.

Data handling can be standardized, improving code readability and documentation. It improves programmer productivity through more problem solving, less data handling activities. Applications previously abandoned or delayed due to complex data requirements may now be feasible.

The data base management services of APL Data Language assist the user in:

- handling complex data access and maintenance problems
- description and definition of data bases
- creation of data bases
- auditing of data base activity.

Availability Notice, 6 pages, 12/75

//////5798-CHR

SB21-1805

APL DATA LANGUAGE - FDP 5798-CHR, DESCRIPTION/OPERATIONS

This Program Description/ Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program, see abstract of GB21-1804 (5798-CHR).

Manual, 69 pages, 12/75

//////5798-CHR

GB21-1807

GENERALIZED TRACE FACILITY - DATA ANALYSIS PROGRAM - FDP 5798-CHT, NOTICE

This Availability Notice contains complete ordering information for the 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.

This FDP analyzes GTF records to produce various summary and detail report listings on traced events. Nineteen reports and a condensed detail listing are available. The primary use of the program is to assist in tuning the system for performance, balancing channel and device loads, pinpointing developing hardware problems thru I/O CSW analysis, and detection of jobs misusing the system. The reports total by type of event and by job. Some of the data reported include, I/O usage, SVC usage, SIOs, Page faults, and I/O Interrupt Analysis.

Availability Notice, 4 pages, 12/75

//////5798-CHT

SB21-1808

GENERALIZED TRACE FACILITY - DATA ANALYSIS PROGRAM - FDP 5798-CHT, DESCRIPTION/OPERATIONS

This Program Description/ Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program, see abstract of GB21-1807, (5798-CHT).

Manual, 65 pages, 12/75

//////5798-CHT

GB21-1810

DOS/VS DASD SPACE UTILIZATION ANALYSIS - FDP 5798-CHW, NOTICE

This Availability Notice contains complete ordering information for the 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.

This Field Developed Program is written in Assembler language. The DOS/VS Disk Space Utilization Report FDP produces three reports to assist the installation manager in analyzing disk space utilization.

A physical sequence report displays for each disk volume, the data sets, their record size, block size, lower extent, upper extent, and amount of space allocated to the data set. An Alphabetic Sequence report displays the same information in data set alphabetic sequence. In addition, there is a graphical representation report which graphically shows the physical location of each data set on the disk volume.

Availability Notice, 4 pages

//////5798-CHW

GB21-1813

MF/1 POST ANALYZER - FDP 5798-CHX, NOTICE

This Availability Notice contains complete ordering information for the Program and all its related documen-

tation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.

The MF/1 Post Analyzer FDP is intended to assist installation management in balancing system resources, tracking the effects of changes that affect CPU usage, channel/device use and paging activity, transaction rates, or response times.

The FDP provides summary reports using each of the five record types; CPU Activity, Paging Activity, Workload Activity, and Device Activity. It also produces histograms of the following activities: percent of real storage frames allocated, swap activity, percent page space slots allocated, SIOs per second, CPU utilization, channel utilization. The program is parameter driven so that the user can select only those reports that are of interest to him.

Availability Notice, 6 pages, 12/75

//////5798-CHX

SB21-1814

MF/1 POST ANALYZER - FDP 5798-CHX, DESCRIPTION/OPERATIONS

This Program Description/ Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program, see abstract of GB21-1813, (5798-CHX).

Manual, 23 pages, 12/75

//////5798-CHX

GB21-1816

DOS/VS STORAGE & CPU UTILIZATION, FDP 5798-CHY, NOTICE

This Availability Notice contains complete ordering information for the 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.

The DOS/VS Storage and CPU Utilization Display Field Developed Program, written in Assembler, will collect and graphically display, in real time or batch, information from the DOS/VS Supervisor which affects overall system performance. The program will display CPU cycles utilization by partition, real storage utilization by partition, the paging rates and other pertinent information. With the easy to interpret displays and reports, the DOS/VS user can better understand the internal operation of his DOS/VS operating environment. He can identify job mixes and make better informed decisions regarding the use of his computer resources.

Availability Notice, 8 1/2 x 11 inches, 4 pgs, 12/76

//////5798-CHY

SB21-1817

DOS/VS STORAGE & CPU UTILIZATION PROGRAM FDP 5798-CHY, DESCRIPTION/OPERATIONS

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program, see abstract for GB21-1816 (5798-CHY).

Manual, 18 pgs, 12/76

//////5798-CHY

GB21-1819

CICS COBOL PL/I ONE-STEP PREPROCESSOR - FDP 5798-CHC, NOTICE

This Availability Notice contains complete ordering information for the 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.

This FDP is an assembly language macro which when compiled and linked with the relocatable modules of the DOS/VS assembly language compiler produces a variant of that compiler which can preprocess, in a single step, the CICS modules for a COBOL or PL/I program.

Availability Notice, 4 pages, 12/75

//////5798-CHC

GB21-1822

370X TRACE EDITOR - FDP 5798-CHZ, NOTICE

This Availability Notice contains complete ordering information for the 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.

This Field Developed Program, written in Assembler Language, was developed to increase the usefulness of the 3704/3705 Dynamic Trace Output for users who are operating in emulation mode with either EP2.2 or EP2.3. The 370X Trace Editor allows the user to control the amount and type of output, in addition to reformatting the data into a more readable display. Output selections include:

- (a) Up to four specific operation commands (the default is to all Operation Commands)
- (b) A specific range of block numbers
- (c) Up to two types of final status and/or sense. (The default is to any status or sense.) The output is in a symbolic form, representing a CPU-to-370X-to-terminal-line connection.

Availability Notice, 4 pages, 12/75

//////5798-CHZ

- SB21-1823
370X TRACE EDITOR - FDP 5798-CHZ, DESCRIPTION/OPERATIONS
 This Program Description/ Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
 For information about this program, see abstract of GB21-1822, (5798-CHZ).
 Manual, 22 pages, 12/75
 ////5798-CHZ
- GB21-1834
OS/VS CAPACITY MANAGEMENT AID - FDP 5798-CJB, NOTICE
 This Availability Notice contains complete ordering information for the 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.
 The Capacity Management Aid FDP provides a profile of total system workload by day, shift and week. Each week's data is averaged into a 24 hour profile. This correlates the following: Total CPU utilization, TSO + Batch user utilization, Batch only utilization, SWAP + Demand Paging Rate, Demand only Paging Rate.
 Data is also summarized/averaged, both total and by shift for each week. Data items plotted are CPU available time, Total CPU utilization, Batch user utilization, TSO user utilization, Operating System utilization, Job-step count, TSO session count, SWAP page rate, Demand page rate.
 Availability Notice, 6 pages, 12/75
 ////5798-CJB
- SB21-1835
OS/VS CAPACITY MANAGEMENT AID - FDP 5798-CJB, DESCRIPTION/OPERATIONS
 This Program Description/ Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
 For information about this program, see abstract of GB21-1834, (5798-CJB).
 Manual, 26 pages, 12/75
 ////5798-CJB
- LB21-1836
OS/VS CAPACITY MANAGEMENT AID - FDP 5798-CJB, SYSTEMS GUIDE
 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.
 For information about this program, see abstract of GB21-1834, (5798-CJB).
 Systems Guide, 13 pages, 12/75
 SLSS - IBM INTERNAL SUBSCRIPTION ONLY
- GB21-1837
CICS/VS DATASET RECOVERY FACILITY - FDP 5798-CJF, NOTICE
 This Availability Notice contains complete ordering information for the 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.
 This FDP is written in Assembler Language.
 The CICS/VS Dataset Recovery Facility FDP provides for forward recovery of OS/VS, DOS/VS data sets that have been physically destroyed. The FDP will recover all the activity (add, delete, update) that has occurred on a data set under CICS/VS between the time of previous backup and the current failure. The FDP works in conjunction with the CICS/VS Journals. The CICS/VS journals are read and the activity in the journal will be restored to the appropriate data set.
 Availability Notice, 4 pages, 12/75
 ////5798-CJF
- SB21-1838
CICS/VS DATASET RECOVERY FACILITY - FDP 5798-CJF, DESCRIPTION/OPERATIONS
 This Program Description/ Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
 For information about this program, see abstract of GB21-1837, (5798-CJF).
 Manual, 36 pages, 12/75
 ////5798-CJF
- GB21-1840
VIDEO/370 ON-LINE STATUS DISPLAY - FDP 5798-CJA, NOTICE
 This Availability Notice contains complete ordering information for the 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.
 This FDP allows the VIDEO/370 user to obtain the status of multiple input batches and availability of disk space via on-line inquiry/display from any VIDEO/370 terminal. Inquiries may be made using partial names. This FDP is similar to that provided by VIDEO/370's offline JOB STATUS REPORT. Without this FDP, on-line status inquiries must be requested of an individual batch and may be obtained only if the full 12-character document name is provided. As this FDP is an extension to VIDEO/370 (5736-RC3 or 5734-RC5), it carries with it the security and auditability features of VIDEO/370.
- Availability Notice, 4 pages, 12/75
 ////5798-CJA
- SB21-1841
VIDEO/370 ON-LINE STATUS DISPLAY - FDP 5798-CJA, DESCRIPTION/OPERATIONS
 This Program Description/ Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
 For information about this program, see abstract of GB21-1840 (5798-CJA).
 Manual, 41 pages, 12/75
 ////5798-CJA
- GB21-1843
VIDEO/370 REVERSE ABSTRACT OFFLINE DATA ENTRY - FDP DOS/VS (5798-CJG) AND OS/VS (5798-CJP), NOTICE
 This Availability Notice contains complete ordering information 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.
 This FDP, the VIDEO Reverse Extract/Offline Data Entry Program provides the means for off line data entry onto VIDEO/370 data files for online correction and editing. The program accepts input data records from tape, disk, or card files in fixed or variable length record formats or optionally from user-written input exit. The fields within each data record are defined, edited, and reformatted according to the rules set up with the Format Definition Program of VIDEO/370.
 Applications for this Field Developed Program include:
 - o Reverse Extraction - allows the re-entry of VIDEO batches which have been extracted
 - o Batch Data Entry - allows VIDEO editing and modification for data collected from other sources
 - o Data Field Update/ADD - allows users files to be placed onto video files for online addition or updating
 - o Improved File Flexibility - eases reorganization of VIDEO files and allows retention time for disk files to be decreased.
 Availability Notice, 4 pages, 12/75
 ////5798-CJG,5798-CJP
- SB21-1844
VIDEO/370 REVERSE EXTRACT OFFLINE DATA ENTRY - FDP DOS/VS (5798-CJG) AND OS/VS (5798-CJP), DESCRIPTION/OPERATIONS
 This Program Description/ Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
 For information about this program, see abstract of GB21-1843, (5798-CJG and 5798-CJP).
 Manual, 38 pages, 12/75
 ////5798-CJG,5798-CJP
- LB21-1845
VIDEO/370 REVERSE EXTRACT/OFFLINE DATA ENTRY - FDP VIDEO/370 REVERSE EXTRACT OFFLINE DATA ENTRY -FDP DOS/VS (5798-CJG) AND OS/VS (5798-CJP), SYSTEMS GUIDE
 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.
 For information about this program, see abstract of GB21-1843, (5798-CJG).
 Systems Guide, 16 pages, 12/75
 SLSS - IBM INTERNAL SUBSCRIPTION ONLY
- GB21-1862
CICS/VS PERFORMANCE ANALYZER II - FDP 5798-CFP, NOTICE
 This Availability Notice contains complete ordering information for the 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.
 This new Field Developed Program is an improved version of the CICS Performance Analyzer FDP (5798-AZN). It is being offered with extended support and continuing license payments.
 The program gathers statistics about user transactions and runs under the control of CICS/VS to assist in system performance analysis and resource utilization. Information gathered includes CPU execution time, total transaction time, largest amount of storage used and the number of entries to file control access methods. Enhancements to the original version include terminal message-size monitoring, DI/I activity monitoring, summary information by terminal operator ID, increased number of user counters and accumulators, and usability enhancements to the problem determination analysis model. Enhanced data reduction and display capabilities include graphic display of CPU utilization, task rates, and EXCP rates.
 Availability Notice, 4 pages, 12/75
 ////5798-CFP
- GB21-1874
CICS/VS DUMP READING PROGRAM, OS/VS, 5798-CJX, NOTICE
 This Availability Notice contains complete ordering information for the 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.

This FDP, written in Assembler, is designed to create and display direct-access data sets containing an image of the partition or region at the time of an CICS/OS/VS ABEND. There are nine application modules which run under CICS/VS - OS/VS to provide an on-line capability for analyzing and debugging of dumps via an IBM 3270. The functions which can provide a productivity and problem solving tool consist of the following:

- o Display on the 3270 from the dump data set, any core location specified by the user.
- o Scan through the dump data set to find the combination of characters that the user requests, and display the location and data.
- o Display General Purpose Registers and Program Status Word at time of ABEND.
- o Locate and display from the FDP dump data set the following CICS Tables: Terminal Control Table, File Control Table, Destination Control Table, Program Control Table, and Processing Program Table.
- o Format and display CICS Trace Table Entries for a given task within the dump data set.
- o Map any area of core against any DSECT available to the user.
- o Recap CICS status, number of active tasks, suspended tasks.

In addition, a program is supplied to print the dump data set in the event that a hard copy is required. Flyer, 8 1/2 x 11 inches, 4 pgs, 10/76
 ////5798-CJX

SB21-1875

CICS/VS DUMP READING PROGRAM - OS/VS FDP 5798-CJX, DESCRIPTION/OPERATIONS

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program, see abstract for GB21-1874 (5798-CJX).
 Manual, 8 1/2 x 11 inches, 54 pgs, 10/76
 ////5798-CJX

GB21-1877

CMSERVICE - FDP 5798-CJZ, NOTICE

This Availability Notice contains complete ordering information for the 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.

This FDP, written in Assembler, is a general utility program which runs under the Conversational Monitor System (CMS) of Virtual Machine/370. It makes computer services more readily available to new time sharing users of limited experience other than control functions or unit record. It performs typical utility functions such as tape-to-card, card-to-disk, etc., but with sufficient prompting to enable inexperienced operators to: 1) store and maintain control of intermediate unit record files; 2) invoke utilities such as sort and merge to eliminate intermediate punched card output; 3) generate jobstreams by imbedding data within appropriate JCL; and 4) reduces contention for initiators or partitions and devices of co-resident systems. Availability notice, 8 1/2 x 11 inches, 6 pgs, 11/76
 ////5798-CJZ

SB21-1878

CMSERVICE - FDP 5798-CJZ, DESCRIPTION/OPERATIONS

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program see BOIS abstract of GB21-1877 (5798-CJZ).
 Manual, 8 1/2 x 11 inches, 32 pgs, 11/76
 ////5798-CJZ

GB21-1891

DIAL SUPPORT FOR DOS/VS ENTRY TIME-SHARING SYSTEM, FDP 5798-CKD, NOTICE

This Availability Notice contains complete ordering information for the 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.

This Field Developed Program, written in Assembler, enhances the DOS/VS Entry Time Sharing System (5798-CFL, ETSS) by providing dial-up support.

Dial-up terminals supported by this FDP include the IBM 3767-1, 3767-2, 2741, and TWX (ASR 33/35). (IBM 3767 terminals require the 2741 compatibility feature.)

ETSS is now available to remote terminal users without requiring the installation of expensive leased line communication facilities. Functions currently available in ETSS, including IBM 3270 and 2740 support, remain unchanged. This support is limited to ETSS customers who use the companion FDP - Terminal Control for DOS/VS Entry Time Sharing (5798-CGC).

This FDP is distributed in the form of MAINT updates to the Terminal Control FDP (5798-CGC), requires DOS/VS and the following Field Developed Programs:

- o Terminal Control for DOS/VS Entry Time Sharing System (5798-CGC)
- o DOS/VS Entry Time-Sharing System (5798-CFL)

Availability Notice, 4 pages, 7/76

////5798-CKD

SB21-1892

DIAL SUPPORT FOR DOS/VS ENTRY TIME-SHARING SYSTEM, FDP 5798-CKD DESCRIPTION/OPERATIONS

This Program Description/ Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program, see abstract for GB21-1891 (5798-CKD)
 Manual, 34 pages, 7/76
 ////5798-CKD

GB21-1894

DOS/VS SYSTEM/360 MODEL 20 EMULATED DISK BACKUP/RESTORE, FDP 5798-CKE, NOTICE

This Availability Notice contains complete ordering information for the 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.

This FDP, written in Assembler, is designed to reduce the time and effort to backup and restore S/360 Model 20 emulated volumes in a DOS or DOS/VS environment. It provides a utility program which copies emulated volumes from disk to disk, disk to tape, or tape to disk. Based on parameters submitted by the user, the FDP generates a DOS or DOS/VS assembler utility to backup or restore a S/360 Model 20 volume emulated on 2314s, 2319s 3330s or 3340s. Tape may be used as intermediate storage or as permanent backup. The total programming and scheduling effort for DASD conversion and/or emulator pack maintenance may be drastically reduced considering system time and performance lost while running S/360 Model 20 emulation to do volume maintenance. This program is designed to support DOS and DOS/VS on System 360 or System 370.

Availability notice, 4 pages, 6/76
 ////5798-CKE

SB21-1895

DOS/VS SYSTEM/360 MODEL 20 EMULATED DISK BACKUP/RESTORE, FDP 5798-CKE, DESCRIPTION/OPERATIONS

This Program Description/ Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program, see abstract for GB21-1894 (5798-CKE).
 Manual, 19 pages, 6/76
 ////5798-CKE

GB21-1897

DOS/VS INTERACTIVE DEBUG FACILITY, FDP 5798-CKF, NOTICE

This Availability Notice contains complete ordering information for the 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.

The DOS/VS Interactive Debug Facility FDP, written in Assembler, extends the productivity benefits of the DOS/VS Entry Time Sharing System (ETSS) to include on-line program testing and debugging. Previously, under ETSS, there was no facility for the programmer to interact with his program during the testing of that program. Now there is such a facility!

The DOS/VS Interactive Debug Facility is an interactive command processing program which allows a terminal user to monitor and control the execution of a program from a terminal for the purpose of testing and debugging that program. From his terminal, a programmer will be able to: start and stop at specified breakpoints, single cycle on instruction or branch basis, monitor changes to data areas or registers, display data areas or registers, change data or registers, locate strings of data or conditions, trace or alter the logical flow of execution, display source statements during the session, plus many other functions.

The program has its own command language, simple commands with few operands or delimiter requirements.

It is a read-only program which should reside in the DOS/VS Shared Virtual Area where it is possible for a single copy to be in use by several terminal users at one time.

This program may be used in debugging most programs which may be loaded from the DOS/VS Core Image Library or from object modules loaded by the DOS/VS Time Sharing System LOADER utility. However, it is most effective with single phase programs written in: Assembler, COBOL, or PL/I and to a lesser degree, FORTRAN IV.

The Interactive Debug Facility will run on a System/370 with DOS/VS and a minimum of 128K bytes of memory. It is primarily intended for use with the DOS/VS Entry Time Sharing FDP (5798-CFL), however an option is provided with allows the program to be used with a DOS/VS batch partition using the system console.

Availability notice, 6 pages, 6/76
 ////5798-CKF

SB21-1898

DOS/VS INTERACTIVE DEBUG FACILITY, FDP 5798-CKF, DESCRIPTION/OPERATIONS

This Program Description/ Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program see BOIS abstract for GB21-1897 (5798-CKF).
Manual, 228 pages, 6/76
/////5798-CKF

LB21-1899

DOS/VS INTERACTIVE DEBUG FACILITY, FDP 5798-CKE, SYSTEMS GUI
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.

For information about this program, see BOIS abstract for GB21-1897 (5798-CKF).
Systems guide, 29 pages, 6/76
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-1900

DOS/VS LOADER, FDP 5798-CKG, NOTICE
This Availability Notice contains complete ordering information for the 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.

The DOS/VS Loader Field Developed Program, written in Assembler, provides link edit type capabilities in a complete (or assemble), load and go environment. Due to its performance characteristics, it can have a significant effect on total throughput where the compile-load-go type jobs are frequently executed.

The Loader program combines the basic editing and loading functions of the linkage editor and program fetch in one job step. Therefore, the function performed by the loader program is equivalent to the link edit and execute function.

The Loader program will load the basic input from either SYLNK or SYSIPT. INCLUDE statements will be resolved from the relocatable library. Unresolved external references will also be resolved from the relocatable library unless NOAUTO has been specified.

The Loader program does not produce load modules for program libraries such as the core image library.

The program runs on any model System/370 under DOS/VS.
Availability notice, 4 pages, 6/76
/////5798-CKG

SB21-1901

DOS/VS LOADER, FDP 5798-CKG, DESCRIPTION/OPERATIONS
This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program, see BOIS abstract for GB21-1900 (5798-CKG).
Manual, 30 pages, 6/76
/////5798-CKG

GB21-1903

HASP-JES2 SPOOL TRANSFER PROGRAM, FDP 5798-CKJ, NOTICE
This Availability Notice contains complete ordering information for the 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.

The HASP-JES2 Spool Transfer Program, written in Assembler, provides the ability to transfer all or selected jobs from one system's spool file to the spool file of another system. This function allows the user to shut down one system (e.g., MVT) and bring up a new or test system (e.g., MVT) without waiting for the queues to become quiescent. The transfer program will transfer spool files in either direction between systems.

The primary use of the program is to facilitate testing of new systems, but a secondary use is its ability to transfer all or portions of the spool file to tape for reloading and processing at a later time.

Flyer, 8 1/2 x 11 inches, 4 pgs, 11/76
/////5798-CKJ

SB21-1904

HASP-JES2 SPOOL TRANSFER PROGRAM, FDP 5798-CKJ, DESCRIPTION/OPERATIONS

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program, see abstract for GB21-1903 (5798-CKJ).
Manual, 8 1/2 x 11 inches, 80 pgs, 11/76
/////5798-CKJ

LB21-1905

HASP-JES2 SPOOL TRANSFER PROGRAM FDP 5798-CKJ, SYSTEMS GUIDE
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.

For information about this program, see abstract for GB21-1903 (5798-CKJ).
Manual, 8 1/2 x 11 inches, 107 pgs, 11/76
SLSS - INTERNAL SUBSCRIPTION ONLY

GB21-1909

GENERALIZED DATA AREA MONITOR AND DISPLAY PROGRAM - FDP 5798-CKK, NOTICE

This Availability Notice contains complete ordering information for the 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.

This FDP, written in Assembler, provides a generalized capability to monitor and report on system data areas in an OS/VS environment. The FDP makes no assumptions as to which data areas are to be monitored. Through control cards the user describes system data areas which can be accessed by a problem program. The FDP monitors and reports on those data areas.

Data areas to be monitored are defined by specifying in a control card the data format of the data area and a series of displacements to pointers within the system. Ten data formats may be specified and up to 7 displacements can be provided to locate the system data area to be monitored. The data formats are, 1 byte binary number, 2 byte binary number, 3 byte binary number, 4 byte binary, signed halfword, first word of time of day clock, doubleword time of day clock, binary integer (bit) character format, hexadecimal format.

Detail and summary reports may be generated. The detail report shows the description supplied in control cards and the observations during the measurement interval. The detail report formats as many user specified observations as will fit on a user specified print line. Twenty observations may be printed on each 208 character line.

The summary report prints, arithmetic mean, high value, and number of zero observations for each arithmetic data area specified by the user. Default values for length of measurement interval, number of intervals in the summary, and the number of summary reports in a run can be overridden by the user.

Availability notice, 8 1/2 x 11 inches, 6 pgs, 11/76
/////5798-CKK

SB21-1910

GENERALIZED DATA AREA MONITOR AND DISPLAY PROGRAM - FDP 5798-CKK, DESCRIPTION/OPERATIONS

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program, see abstract for GB21-1909.

Manual, 8 1/2 x 11 inches, 21 pgs, 11/76
/////5798-CKK

LB21-1911

GENERALIZED DATA AREA MONITOR AND DISPLAY PROGRAM - FDP 5798-CKK, SYSTEMS GUIDE

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.

For information about this program, see abstract for GB21-1909 (5798-CKK).

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-1912

PL/I D TO PL/I OPTIMIZER CONVERSION, FDP 5798-CKL, NOTICE

This Availability Notice contains complete ordering information for the 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.

The PL/I-D to PL/I Optimizer Conversion Program (D-Convert), written in Assembler, is designed to reduce the cost of converting PL/I-D programs to PL/I Optimizer (5736-PL3) programs. It achieves its objectives as listed below:

- o Automates bulk of source code conversion.
- o Issues warnings for statements not converted or incompletely converted.
- o Produces more complete conversion in less time than hand methods.

D CONVERT reads symbolic PL/I-D programs and checks each statement for Optimizer compatibility. Each statement is then punched to suit the Optimizer or is marked in error on the report. The output can, in most cases, be compiled with the Optimizer and executed.

Availability notice, 4 pages, 6/76
/////5798-CKL

SB21-1913

PL/I D TO PL/I OPTIMIZER CONVERSION PROGRAM, FDP 5798-CKL, DESCRIPTION/OPERATIONS

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program, see BOIS abstract for GB21-1912 (5798-CKL).

Manual, 40 pages, 6/76
/////5798-CKL

GB21-1936

IBM 3770 COMMUNICATIONS UTILITY - FDP 5798-CKZ, NOTICE

This Availability Notice contains complete ordering information for the 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.

The IBM 3770 Communications Utility FDP, written in Assembler, provides a host program that will maintain a library of 3770 function programs, and transmit to and receive from the programmable models of the IBM 3773, 3774, and 3775. The library maintenance function builds and maintains a VSAM library from the data set created by the Program Validation Services program (BQBLIBI). The transmission function will process function programs, Terminal commands, and data through the Basic Telecommunications Access Method (BTAM) using Binary Synchronous Communications. The FDP will operate uknder either DOS/VS or OS/VS.
Availability notice, 8 1/2 x 11 inches, 4 pgs, 12/76
/////5798-CKZ

SB21-1937

IBM 3770 COMMUNICATIONS UTILITY - FDP 5798-CKZ, DESCRIPTION/OPERATIONS
This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
For information about this program, see abstract for GB21-1936 (5798-CKZ).
Manual, 8 1/2 x 11 inches, 51 pgs, 12/76
/////5798-CKZ

LB21-1938

IBM 3770 COMMUNICATIONS UTILITY - FDP 5798-CKZ, SYSTEMS GUIDE
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.
For information about this program, see abstract for GB21-1936 (5798-CKZ).

GB21-1945

SLSS - IBM INTERNAL SUBSCRIPTION ONLY
IMS HISTORY REPORTING SYSTEM - FDP 5798-CLB, NOTICE
This FDP is written in Basic Assembler Language. The IMS History Reporting System FDP is designed to provide the IMS/VS DC user with the ability to obtain information about the utilization and performance of his online system on an ongoing basis. The FDP provides routines which, using the IMS/VS log tape, edits and stores information pertaining to system load and performance in an IMS database. A command language is then used to construct tailored reports from the database on a demand basis. Summary and/or detail reports can be obtained for any desired combination of date range, time span, and transaction codes. The reports can be produced as a normal OS/VS batch job, or can be invoked as terminal output to a TSO session. A method is provided to identify periods of deviation from the user-observed and/or statistically defined performance norms. The program can also be used to reconstruct transaction codes and conversational SPA contents for terminals active at the time of an IMS/VS system failure, which information can be used to assist in system reconstruction during exceptional IMS/VS Emergency Restart situations.

This Availability Notice contains complete ordering information for the 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.
Availability Notice, 8 1/2 x 11 inches, 6 pages, 3/77
/////5798-CLB

SB21-1946

IMS HISTORY REPORTING SYSTEM - FDP 5798-CLB, DESCRIPTION/OPERATIONS
This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
For information about this program, see abstract for GB21-1945 (5798-CLB).
Manual, 8 1/2 x 11 inches, 41 pages, 3/77
/////5798-CLB

GB21-1960

TSO INTERACTIVE DATA ENTRY SUPPORT FOR COBOL, FDP 5798-CLG, NOTICE
This Availability Notice contains complete ordering information for the 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.
This FDP, written in Assembler, accepts free-form input from a TSO terminal, and passes edited, justified, fixed-form data to an application program. A series of fields is accepted as terminal input, rather than a single record. Each field is validity checked, and formatted for use by the application program. Typing time is reduced through support of duplicate fields, and re-entry only of error fields. The FDP is designed to help quickly implement on-line Data Entry, or to test the viability of a proposed on-line system. This FDP runs in an OS/VS2 Time Sharing environment, as a subroutine of a COBOL program, and provides terminal input/output support for entering data into an application program operating under TSO. By introducing and enforcing terminal dialogue standards, the FDP can help present a more consistent and reasonable dialogue to the terminal user.

Flyer, 8 1/2 x 11 inches, 4 pgs, 10/76
/////5798-CLG

SB21-1961

TSO INTERACTIVE DATA ENTRY SUPPORT FOR COBOL, FDP 5798-CLG, DESCRIPTION/OPERATIONS
This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
For information about this program, see abstract for GB21-1960 (5798-CLG).
Manual, 8 1/2 x 11 inches, 25 pgs, 10/76
/////5798-CLG

GB21-1969

IMS MASTER TERMINAL OPERATOR ASSIST FACILITY, FDP 5798-CLK, NOTICE
This Availability Notice contains complete ordering information for the 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.
This FDP, is designed to assist the IMS master terminal operator perform complicated or voluminous IMS command entry required to control large TP networks, applications, database and system resources.
Command sequences are precoded and stored for recall and execution as required by the master terminal operator, thus improving operator efficiency and eliminating entry of erroneous command keywords and parameters.
Existing master terminal operator capabilities and IMS recovery/restart capabilities are retained with this facility installed.
Flyer, 8 1/2 x 11 inches, 4 pgs, 10/76
/////5798-CLK

SB21-1970

IMS MASTER TERMINAL OPERATOR ASSIST FACILITY, FDP 5798-CLK, DESCRIPTION/OPERATIONS
This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
For information about this program see abstract for GB21-1969 (5798-CLK).
Manual, 8 1/2 x 11 inches, 28 pgs, 10/76
/////5798-CLK

GB21-1978

IMS SOURCE PROGRAM AND JOB DEVELOPMENT SYSTEM II, FDP 5798-CLP, NOTICE
This Availability Notice contains complete ordering information for the 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.
IMS Source Program and Job Development System (IMSJDS II), written in Assembler, is a new FDP and is an enhanced version of the FDP IMS Online Program and Job Development System (IMSJDS) (5798-CDR), released June 27, 1975.
The IMS Source Program and Job Development System II provides the capability to develop, edit, modify, test and execute OS/VS jobs from IBM 3277-2 and 3275 Display Stations supported by the IMS DB/DC and IMS/VS DB/DC systems.
Release 1 of IMSJDS II has all the basic functions of the original product plus:

- o Extended 72 character mode editing
- o Extended 80 character mode editing
- o Extended execute function allowing for dynamic include of other input acts or copy members
- o Job status display
- o Enhanced installation procedure
- o Extended copy function
- o Online display of OS/VS data sets
- o Multiple generations of SYSOUT data
- o Additional user exit so users can use existing library management systems with IMSJDS
- o Support for MVS
- o Enhanced data display
- o Software tabbing
- o Improved user statistics
- o Performance improvements
 - Load balancing
 - No resident BMP requirement
 - Copy function 50% less calls
 - Delete performance improvements
 - More efficient data base organization
 - Elimination of previously required high overhead functions
 - Significant improvement in performance of execute function.

Flyer, 8 1/2 x 11 inches, 6 pgs, 10/76
/////5798-CLP

SB21-1979

IMS JOB DEVELOPMENT SYSTEM II, FDP 5798-CLP, DESCRIPTION/OPERATIONS
This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
For information about this program, see abstract for GB21-1978 (5798-CLP).
Manual, 8 1/2 x 11 inches, 177 pgs, 10/76

////5798-CLP

GB21-1987

TSO PROGRAMMING CONTROL FACILITY - II, FDP 5798-CLW, NOTICE
This Availability Notice contains complete ordering information for the 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.

PCF II, written in Assembler, offers the features of the TSO/VS2 Programming Control Facility FDP, 5798-BBJ, to users of MVS Release 3.7 with TSO/VTAM, RACF, or the TSO Command Package installed. Those PCF features which have been compatibly extended into the new environment include:

- o TSO command subsetting and program execution control by user
 - o File access control by file category and PCF authorization level
 - o SMP accounting data optionally recorded for each command and major subcommand
 - o Use of a semicolon as command delimiter for multiple commands entered per line
 - o User direct access space control by volume.
- New and enhanced capabilities include:
- o Improved command authorization control
 - o Volume control enhancements to support multiple volumes per user
 - o Standardized system interfaces for ease of MVS maintenance
 - o Full SMP support for installation
 - o Continuous support.

This package enhances the functional capabilities of MVS/TSO while providing basic security and integrity features, and complements other new functions such as RACF.

The software prerequisite for this FDP is TSO/VTAM Selectable Unit or TSO Command Package Program Product (5740-XT6).

Flyer, 8 1/2 x 11 inches, 6 pages, 11/76
////5798-CLW

SB21-1988

TSO PROGRAMMING CONTROL FACILITY - II
FDP 5798-CLW DESCRIPTION/OPERATIONS

This Program Description/ Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program see BOIS abstract for GB21-1987 (5798-CLW).

Manual, 8 1/2 x 11 inches, 49 pages, 11/76
////5798-CLW

LB21-1989

TSO PROGRAMMING CONTROL FACILITY - II
FDP 5798-CLW, SYSTEMS GUIDE

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.

For information about this program see BOIS abstract for GB21-1987 (5798-CLW).

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-1990

IBM DIRECT ACCESS STORAGE DEVICE CONVERSION AID,
FDP 5798-CLQ, NOTICE

This Availability Notice contains complete ordering information for the 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.

This FDP, written in Assembler, is intended to reduce the manual effort required to perform Direct Access conversions. IBM 3330 Model 1, Model 11, 3340, 3344, and 3350s are supported.

The FDP provides for:

1. Generation of JCL and utility statements required to allocate space on the new device, move the data set to the new device, update the catalogue.
2. Identification of affected data set JCL statements in the procedure library, and generates a jobstream to update the procedure library using user-supplied JCL parameter arguments.
3. Space calculation routines to identify data sets whose current blocking factors do not effectively utilize space on the new device.
4. Data set space requirements are calculated for the new devices.

Due to device independence, this FDP is not required for VSAM.

Flyer, 8 1/2 x 11 inches, 6 pgs, 10/76
////5798-CLQ

SB21-1991

IBM DIRECT ACCESS STORAGE DEVICE CONVERSION AID,
FDP 5798-CLQ, DESCRIPTION/OPERATIONS

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program, see abstract for GB21-1990 (5798-CLQ)

Manual, 8 1/2 x 11 inches, 145 pgs, 10/76
////5798-CLQ

GB21-1996

DOS/VS 3330/3340 DATA SET CONVERSION AID - EXTENSIONS
FDP 5798-CNA, NOTICE

This Availability Notice contains complete ordering information for the 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.

This Field Developed Program, written in Assembler, is an extension of FDP 5798-AMN, which is a pre-requisite.

The Data Set Conversion program extensions is a utility program which copies data sets from 3330s and 3340s to either 3330 Model 11, 3350s (compatibility mode) or 3344s. This enhancement allows conversion from any IBM DASD supported by DOS/VS Release 32 to any other larger IBM DASD supported by DOS/VS Release 32.

The following data set organizations are supported: sequential, ISAM, and Direct.

Flyer, 8 1/2 x 11 inches, 4 pgs 10/76

////5798-CNA

SB21-1997

DOS/VS 3330/3340 DATA SET CONVERSION AID - EXTENSIONS
FDP 5798-CNA, DESCRIPTION/OPERATIONS

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program, see abstract for GB21-1996 (5798-CNA)

Manual, 8 1/2 x 11 inches, 23 pgs, 10/76

////5798-CNA

LB21-1998

DOS/VS 3330/3340 DATA SET CONVERSION AID - EXTENSIONS
FDP 5798-CNA, SYSTEMS GUIDE

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.

For information about this program, see abstract for GB21-1996 (5798-CNA)

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-2002

IMS/VS VIRTUAL STORAGE ANALYSIS - FDP 5798-CNC, NOTICE

This Availability Notice contains complete ordering information for the 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.

This FDP, written in PL/1 and Assembler, the IMS/VS Virtual Storage Analysis Program (IMSVSAP), is designed to assist the systems programmer in an IMS/VS DB/DC installation in the analysis and improvement of IMS/VS performance. The IMSVSAP product serves as a vehicle to study the effect of paging on overall IMS/VS performance, and in particular on response time. This program produces a detail page fault report of all paging activity associated with the IMS/VS Control Region and IMS/VS Message Regions. A summary report is also provided which indicates the percentage of system page faults and the page faults per second associated with the IMS/VS Control Region, Message Regions, and non-IMS related jobs. A summary report is also supplied which further breaks down the IMS/VS Control Region page faults into categories by pools, blocks, and code in order to enable the systems programmer to page-fix the portions of IMS/VS which are most affecting response time. Availability notice, 8 1/2 x 11 inches, 6 pgs, 12/76
////5798-CNC

SB21-2003

IMS/VS VIRTUAL STORAGE ANALYSIS - FDP 5798-CNC,
DESCRIPTION/OPERATIONS

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program see abstract for GB21-2002.

Manual, 8 1/2 x 11 inches, 33 pgs, 12/76

////5798-CNC

GB21-2005

IMS/VS LOCAL COPY-II - FDP 5798-CLZ, NOTICE

This Availability Notice contains complete ordering information for the 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.

This FDP, written in Assembler, provides the local 3270 terminal user with hardcopy capability for locally attached components of the IBM 3270 Information Display System. When invoked, an image of the display screen is queued to a designated IBM 3284, 3286, or 3288. The program allows for user specification of either the PA3, or PFK12 keys to invoke the copy function. The program also provides for the printing of the terminal ID of the requesting terminal as well as for dynamic alteration of the destination printer by the system operator.

This support has been designed and implemented to be procedurally compatible with IMS 3270 Local Copy (5796-AHL).

IMS/VS Local Copy II was written in Assembler Language and has been tested with OS/VS1 Release 5.0, and IMS VS Release 1.1.1 as well as OS/VS2 Release 3.7, and IMS/VS Release 1.1.3.

Availability notice, 8 1/2 x 11 inches, 4 pgs, 1/77
 /////5798-CLZ

SB21-2006

IMS/VS LOCAL COPY-II - FDP 5798-CLZ, DESCRIPTION/OPERATIONS
 This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program see abstract for GB21-2005 (5798-CLZ).
 Manual, 8 1/2 x 11 inches, 15 pgs, 1/77
 /////5798-CLZ

GB21-2019

OS/VS ON-LINE PROBLEM TRACKING - FDP 5798-CNJ, NOTICE

This Availability Notice contains complete ordering information for the 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.

This FDP, written in Assembler, is designed to assist management in coping with the problems that occur in the DP installation.

Installation hardware and software problems can be entered and maintained in an on-line environment. An inquiry capability is provided for researching the master problem file for previously encountered occurrences of the same or similar problems. Inquiry responses are provided for individual or multiple symptoms and/or specific dates. An audit trail is provided for view by management's designated problem coordinator.

There are two versions of the program; IMS/VS and CICS/OS/VS.

IBM 3270 support is provided for on-line input and update, and hard copy output of any inquiry response.
 Availability Notice, 8 1/2 x 11 inches, 6 pgs, 12/6
 /////5798-CNJ

SB21-2020

OS/VS ON-LINE PROBLEM TRACKING - FDP 5798-CNJ, DESCRIPTION/OPERATIONS

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program see abstract for GB21-2019 (5798-CNJ).
 Manual, 8 1/2 x 11 inches, 116 pgs, 12/6

/////5798-CNJ

GB21-2025

VTAM INTERFACE TO VIDEO/370 - FDP 5798-CNK, NOTICE

This Availability Notice contains complete ordering information for the 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.

The VTAM Interface to Video/370 FDP, written in Assembler, provides a VTAM application program that allows OS VIDEO/370 (5734-RC5) to operate under VTAM. This interface provides all the functions of VIDEO/370 as well as providing for the operation of local 3270 remote BSC 3270 and 3270 Systems operating in SDLC mode.

Availability notice, 8-1/2 x 11 inches, 4 pgs, 4/77
 /////5798-CNK

SB21-2026

VTAM INTERFACE TO VIDEO/370 - FDP 5798-CNK, DESCRIPTION/OPERATIONS

This Availability Notice contains complete ordering information for the 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.

For information about this program, see abstract for GB21-2025 (5798-CNK).

Manual, 8-1/2 x 11 inches, 9 pgs, 4/77
 /////5798-CNK

GB21-2030

IMS AVAILABILITY REPORTS - FDP 5798-CNN, NOTICE

This Availability Notice contains complete ordering information for the 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.

The IMS/VS Availability Reports Field Developed Program, written in Assembler, produces management-oriented reports which detail the availability of the major components of on-line system including the IMS Control Program, the 3270 Lines, the On-Line Transactions, and the Databases. This package can either augment a user's existing Availability Reporting System or can provide statistical data required to implement one. Four Availability oriented reports are produced by this package: The Daily Summary, the Consolidated Summary, the Daily Detail, and the Pseudo-Console listing.

Each report is concise, easy to interpret, and is designed to focus management attention on potential problem areas. In addition, the consolidated Summary report allows the customer to measure overall availability over extended

periods of time. A TSO Interface is provided for timely summarizations of availability of remote locations.
 Availability notice, 8 1/2 x 11 inches, 6 pgs, 12/76
 /////5798-CNN

SB21-2031

IMS AVAILABILITY REPORTS (5798-CNN) - FDP 5798-CNN, DESCRIPTION/OPERATIONS

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program see abstract for GB21-2030 (5798-CNN).

Manual, 8 1/2 x 11 inches, 83 pgs, 12/76
 /////5798-CNN

GB21-2032

DOS/VS TIME CONTROL - FDP 5798-CNQ, NOTICE

This Availability Notice contains complete ordering information for the 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.

This FDP, written in Assembler, is designed to enhance the capability of DOS/VS by adding the facility of limiting certain programs to specified time durations. The user is given the option of specifying which DOS/VS partitions will be time controlled, giving time durations for specified programs, and excluding certain programs from time control. In situations where there is a large amount of testing being done on a system, the use of DOS/VS Time Control can be a valuable asset to the user.

Availability notice, 8 1/2 x 11 inches, 4 pgs, 11/76
 /////5798-CNQ

SB21-2033

DOS/VS TIME CONTROL, FDP 5798-CNQ, DESCRIPTION/OPERATIONS

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program, see abstract for GB21-2032 (5798-CNQ).

Manual, 8 1/2 x 11 inches, 18 pgs, 11/76
 /////5798-CNQ

GB21-2047

DOS/VS INCIDENT REPORTING & TRACKING - FDP 5798-CNP, NOTICE

This Availability Notice contains complete ordering information for the 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.

This FDP, written in Assembler, is designed to formalize and automate the tracking and reporting of problems within a data processing installation.

It provides for on-line entry, update and display of current, detailed problem information. Reports are also provided in batch mode for detailed and summary data. The on-line display is based on selection criteria entered by the user. Some of the categories coded are: Department, Application, Problem type, Failing component, System ID, ABEND code, plus others. Space is also provided for user comments.

The FDP is designed to run under the control of DOS/VS using CICS/VS and VSAM.

Availability notice, 8 1/2 x 11 inches, 8 pgs, 11/76
 /////5798-CNP

GB21-2050

IBM 3770 SORT, FDP 5798-CNY, NOTICE

This Availability Notice contains complete ordering information for the 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.

This FDP, written in Assembler, is designed to sort 3770 user datasets on the IBM 3770. The program accepts as input the SORT key and a reference back to the source data. The FDP sorts in either ascending or descending sequence, uses sort key lengths of 8, 16, 32 or 64, and sorts user data or new data being entered from a terminal. The program sorts user indexes so that user-indexed data sets may be accessed using binary search techniques.

Availability notice, 8 1/2 x 11 inches, 6 pgs, 11/76
 /////5798-CNY

SB21-2051

IBM 3770 SORT, FDP 5798-CNY, DESCRIPTION/OPERATIONS

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program, see abstract for GB21-2050 (5798-CNY).

Manual, 8 1/2 x 11 inches, 30 pgs, 11/76
 /////5798-CNY

GB21-2056

DOS/VS 3540 DISKETTE UTILITY FOR S/370-II - FDP 5798-CNZ, NOTICE

This Availability Notice contains complete ordering

information for the 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.

This FDP, written in Assembler, is a generally applicable utility program for the 3540 Diskette I/O unit.

Functional utilities available in addition to normal card, tape, diskette, and printer utilities provide the facility to examine, alter, and modify diskette data files used both testing and production environment.

Additional utilities provide the ability to perform Full Track Read and Write for 3540 I/O, Emulate 3747 function, display records on the console, Free Format for multiple input parameters, allow control card input for function specification.

Availability notice, 8 1/2 x 11 inches, 4 pgs, 1/77
 /////5798-CN2

SB21-2057

DOS/VS 3540 DISKETTE UTILITY FOR S/370-II - FDP 5798-CN2,
DESCRIPTION/OPERATIONS

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program see abstract for GB21-2056 (5798-CN2).

Manual, 8 1/2 x 11 inches, 19 pgs, 1/77
 /////5798-CN2

GB21-2059

VIDEO CORRECTION OF OCR DATA - FDP 5798-CPE, NOTICE
This Availability Notice contains complete ordering

information for the 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.

The primary function of this FDP, written in Assembler, is to provide a simple method of correcting unrecognizable characters resulting from a 3886 Optical Character Reader run. The programs are designed to operate under CICS using the 3270 Information Display System with the VIDEO-COLLECT RFQ.

The subject of correcting errors (unrecognizable characters) resulting from optical scanning is sometimes not only a technical problem, but frequently a psychological problem to be overcome by the prospective user.

The FDP provides a sequential disk file where the output of a 3886 Optical Character Reader run is stored. This data file normally contains characters which were unrecognizable to the Reader. The CICS program scans this file until an unrecognized character is encountered. It then displays the data string in the vicinity of the unrecognized character along with the video image of that character using the VIDEO COLLECT feature of the 3270 and 3886. The operator then interprets the character and enters the correct character via the 3270 System. The program inserts the correct character in the data stream, and constructs a corrected data file.

Statistics on counts of records read, the frequency of unrecognized characters by type, etc., are maintained. A program is provided to display the statistics.
 Availability notice, 8 1/2 x 11 inches, 4 pgs, 12/76
 /////5798-CPE

SB21-2060

VIDEO CORRECTION OF OCR DATA - FDP 5798-CPE,
DESCRIPTION/OPERATIONS

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program see abstract for GB21-2059 (5798-CPE).

Manual, 8 1/2 x 11 inches, 56 pgs, 12/76
 /////5798-CPE

GB21-2066

POWER/VS RJE CONTROLLED ACCESS MONITOR - FDP 5798-CPH,
NOTICE

This Availability Notice contains complete ordering information for the 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.

This Field Developed Program, written in Assembler, is designed to allow a DOS/VS POWER/RJE Host system to restrict the Datasets and Programs which a remote terminal can access for processing through DOS/VS. The interface to POWER/VS is provided through the reader exit facility in the "POWER" macro. Anyone currently using a reader exit may continue to do so by linking this FDP to their current exit routines.

This FDP consists of a monitor program which scans job control statements for DLBL, EXEC, STDLABEL and PARSTD cards. Any attempt by remote station to (1) change the permanent area on the label cylinder, (2) access a data set not authorized by the user, or (3) execute a program not authorized by the user will result in that job being flushed from the POWER/VS input queue. In addition to the monitor program, three other Macros are provided to generate a remote station control table (RCT), a table (FCT). The RCT is used to determine which entries in PCT and FCT a remote station is allowed to execute or access. Changes to the monitor and/or tables can be made by recoding the macros and cataloging the new program. The new program becomes

effective at POWER initialization.

Availability notice, 8 1/2 x 11 inches, 4 pgs, 12/76
 /////5798-CPH

SB21-2067

POWER/VS RJE CONTROLLED ACCESS MONITOR - FDP 5798-CPH,
DESCRIPTION/OPERATIONS

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program see abstract for GB21-2066 (5798-CPH).

Manual, 8 1/2 x 11 inches, 17 pgs, 12/76
 /////5798-CPH

GB21-2069

MVS/TSO/VTAM DATA SET PRINT - FDP 5798-CPF, NOTICE
This Availability Notice contains complete ordering

information for the 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.

This Field Developed Program, written in PLS/Assembler, provides the ability for a TSO user to have a specified data set directed to any 3284/3286/3288 printer or 3790 print data set that is attached and defined to the VTAM network.

This program is intended for use only on those TSO/MVS systems that have a VTAM network. The system environment may be either VTAM only, or a mixed TCAM and VTAM, but it is necessary that the designated printer be under control of VTAM.

This program provides the same facility to the TSO/VTAM user that the TSO Command Processor FDP (5798-AVF) provides to the TCAM only TSO user.

Availability notice, 8 1/2 x 11 inches, 4 pgs, 5/77
 /////5798-CPF

SB21-2070

MVS/TSO/VTAM DATA SET PRINT - FDP 5798-CPF,
DESCRIPTION/OPERATIONS

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program, see abstract for GB21-2069.

Manual, 8 1/2 x 11 inches, 45 pgs, 5/77
 /////5798-CPF

LB21-2071

MVS/TSO/VTAM DATA SET PRINT - FDP 5798-CPF, SYSTEMS GUIDE
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.

For information about this program see abstract for GB21-2069.

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-2073

IBM 3790/3770 PVS DATA SET TEST SUPPORT, FDP 5798-CPG NOTICE
This Availability Notice contains complete ordering

information for the 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.

This Field Developed Program, written in Assembler, is designed to increase the productivity of 3790/3770 application programmers. Use of this product can simplify the testing effort and reduce the time required for debugging application programs. The program creates, from user input data and control statements, a VSAM file to use as a simulated 3790/3770 dataset when testing application programs.

Previously, under the 3790/3770 Program Validation Services (PVS), the user would create simulated datasets for program testing by one of two methods: either by writing another 3790/3770 program to create the dataset or by writing a batch program to create a VSAM file properly structured for PVS.

All customers who are installing IBM 3790 Controllers or Programmable 3770 Terminals and using Program Validation Services (PVS) to develop and maintain their application programs are potential users of this FDP.

HIGHLIGHTS

- o Improve the productivity of application programmers by eliminating need for an "extra" program to load files for testing.
 - o Eliminate the need to write VSAM load programs to test each application system by implementing a generalized utility program.
 - o Allow the user to create a "baseline" set of 3790/3770 files for regression or recurrent testing during the life of an application program.
 - o Document, by a printed listing, the contents of the 3790/3770 data set prior to the test.
 - o Accept as input either tape or disk sequential files or a card "image" file. Such cards are blocked together to create a record of the proper length.
 - o Using the card input capability, extend to the CMS, VSPC, TSO, AND ETSS user the capability to create test files as well as prepare and submit batch tests for 3790/3770 application programs from his terminal.
- Availability Notice, 8 1/2 x 11 inches, 4 pgs, 11/76

/////5798-CPG

GB21-2082

FORMAT/3800, FDP 5798-CPN, NOTICE

This Availability Notice contains complete ordering information for the 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. This FDP, written in ALP, allows the user a quick and simple method of preparing 'pre-printed' or 'formatted' forms using the FORMAT character set of the 3800 Printing Subsystem. Using as input, cards that describe only the extreme starting and ending points of horizontal and vertical lines, the program will uniquely determine the location and type of any intersection, and produce a COPY MODIFICATION module for the formatted page. Also produced will be a sample of what the form will look like, which may be printed on a normal impact printer. Optically, EBCDIC text may be included. Availability Notice, 8 1/2 x 11 inches, 4 pgs, 12/76
/////5798-CPN

GB21-2084

CONSOLE SPOOLING UNDER POWER/VS, FDP 5798-CPQ, NOTICE

This Availability Notice contains complete ordering information for the 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.

This Field Developed Program, written in Assembler, collects the console messages generated in a POWER/VS controlled partition and prints them out on a line printer, following the normal printed output for the job.

Many DOS/VS users find that it is difficult and awkward to obtain information from the DOS/VS console. In many cases vital debugging information is printed only on the console (SYSLOG) and not on the user's printout (SYSLST).

Providing the user with automatically generated console messages can improve programmer productivity, decrease the time required to determine why a job failed, and minimize the number of times the computer operator is interrupted with requests to locate previous console entries. Console messages can be automatically routed to the submitting RJE terminal.

CICS Source Program Maintenance Online II (5798-CFT) users can display their console listings on a local or remote 3270 Display Station.

DP Managers and Auditors may find the printed output provides valuable audit and control information showing which jobs were executed, when they were executed, and which devices were accessed.

Availability notice, 8 1/2 x 11 inches, 6 pgs, 3/77
/////5798-CPQ

SB21-2085

CONSOLE SPOOLING UNDER POWER/VS - FDP 5798-CPQ, DESCRIPTION/OPERATIONS

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program, see abstract for GB21-2084.

Manual, 8 1/2 x 11 inches, 44 pgs, 3/77
/////5798-CPQ

LB21-2086

CONSOLE SPOOLING UNDER POWER/VS - FDP 5798-CPQ, SYSTEMS GUIDE

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.

For information about this program, see abstract for GB21-2084 (5798-CPQ).

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GB21-2091

SYSTEM FOR GENERALIZED PERFORMANCE ANALYSIS REPORTING (GPBAR) - FDP 5798-CPR, NOTICE

This Availability Notice contains complete ordering information for the 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.

This FDP, written in ALC, is a Productivity Aid provided as a base for IMSASAP II (Field Developed Program 5798-CHJ) and other IBM or user written tuning aid and performance report programs. GPBAR also provides independent facilities to print user tailored graphs from performance data logs or other non-VSAM sequential data sets. GPBAR is an Assembler language batch program which executes under OS/VS1 and OS/VS2 or as an OS/VS2 TSO foreground program.

The GPBAR design objectives are to provide facilities to reduce the cost of complex report program development; increase the quality of dependent report programs; relieve tedious and costly, but necessary effort to code print editing, layout and control routines; provide a common user interface to the execution of various report programs, and to enable the user to obtain time/event graphs from any sequential non-VSAM performance data log records with little or no additional programming.

Highlights

- o Base (IMSASAP II tuning aid) and other report programs. GPBAR was developed in conjunction with IMSASAP II. GPBAR

comprises the functions common to the development and execution of report programs. GPBAR provides both executable control logic common to report programs, and coding aids to support the development of report programs written in Assembly Language.

- o Handles any sequential non-VSAM input file. GPBAR uses QSAM to read non-VSAM sequential input files. Multiple, stacked files can be handled. An internal queue management technique enables fast processing of input files in a single pass without using a sort utility.
- o Prints user tailored graphs defined at execution time. GPBAR provides a graphing facility for SYS1, LOGREC, IMS/VS monitor logs, or user specified input files. Input file record occurrences, rates or accumulated values can be graphed versus time. The 'graph' command allows user definition of graphing parameters which tailor the resulting reports to his needs.
- o Common user access to all report programs.
 - Flexible command language controls GPBAR execution
 - Copy feature allows prestored command input
 - Help facility lists information on IBM supplied commands
- o SYNAD and STAE routines. GPBAR provides SYNAD and STAE exits so that partial reports are printed even if input or processing errors force abnormal termination.

Availability notice, 8 1/2 x 11 inches, 12 pgs, 4/77
/////5798-CPR

SB21-2092

SYSTEM FOR GENERALIZED PERFORMANCE ANALYSIS REPORTING (GPBAR) - FDP 5798-CPR, DESCRIPTION/OPERATIONS

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program, see abstract for GB21-2091 (5798-CPR).

Manual, 8 1/2 x 11 inches, 115 pgs, 4/77
/////5798-CPR

GB21-2121

CICS/VS MVS PEER ADDRESS SPACES - FDP 5798-CQE, NOTICE

This Availability Notice contains complete ordering information for the 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.

This FDP, written in Assembler, facilitates the running of multiple copies of CICS/VS in an MVS environment. It helps users to realize the performance potential of a multi-processing environment (AP and MP configurations). This is achieved by distributing the function over multiple copies of CICS/VS. One copy of CICS/VS (designated as the DC copy) is primarily concerned with controlling the terminal network. It passes transactions via the FDP to the other copy(s) of CICS/VS (designated as TX copies) for processing. Terminal I/O requests in the TX copies are intercepted and passed to the DC copy for execution. The FDP and this concept of operation offers greater CICS/VS system protection from errant application programs. New applications, for example, can be brought up in their own TX copy of CICS/VS but still use the same terminal network which supports the production system. All MVS CICS/VS users (including UP configuration) can benefit from this aspect of the FDP.

All copies of CICS/VS may retain the capability to perform all CICS/VS functions. The DC copy can process transactions and the TX copies can control additional terminals at the users option.

Accounts considering proposing this FDP should review their plans with the Palo Alto Systems Center.

Availability notice, 8 1/2 x 11 inches, 4 pgs, 4/77
/////5798-CQE

SB21-2122

CICS/VS MVS PEER ADDRESS SPACES - FDP 5798-CQE, DESCRIPTION/OPERATIONS

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

For information about this program, see abstract for GB21-2121 (5798-CQE).

Manual, 8 1/2 x 11 inches, 108 pgs, 4/77
/////5798-CQE

GB21-9879

CATALOG OF PRODUCTIVITY AID PROGRAMS

This catalog provides a quick reference to IBM programs (Program Products, Field Developed Programs, Installed User Programs, and Programming RPQ's) that can enhance the productivity of data processing personnel, programs, and the System/370 or System/360.

The program descriptions in the catalog are in alphabetic sequence within the following categories:

- o CICS
- o IMS
- o OS
- o DOS
- o VM/370

This catalog is not intended as an offer or a proposal; program details are for informational purposes only. Catalog, 160 pages

////5740-XX1,5746-XX3,5740-XX2

5799-WAF. Data Management and I/O Routines for the 2947-4.

Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

GB21-9893

VM/SGP STATISTICS GENERATING PACKAGE, REPORT BROCHURE
- IUP 5796-PDD

This manual provides some sample reports produced using VM/SGP. These reports will serve to indicate the types of detail which may be presented in report form by using this IUP. The use of the VM/SGP "language" is also shown for each report illustrated.

Manual
////5796-PDD

GCB8-6797

IBM 2947-4 CHECK COLLECTION CONTROLLER (RPQ #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
SLSS - ORDER NO. SUBSCRIPTION ONLY

GB21-9902

IQRP REFERENCE CARD - PROG. NO. 5796-PDG

This fanfold reference card for users of IQRP contains a complete language summary.

A table of commands including English equivalent. Information on formatting, punctuations and terminal updating is also included. The commands generally search for personnel information.

Reference card, 3-1/2x8-1/2 inches, fanfold
////5796-PDG

GCB8-6798

IBM 2947-4 CHECK COLLECTION CONTROLLER (RPQ #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
SLSS - ORDER NO. SUBSCRIPTION ONLY

GB21-9903

INTERACTIVE QUERY AND REPORT PROCESSOR (IQRP) - IUP
5796-PDG, GENERAL INFORMATION

This document contains general information on IQRP which consists of nine on-line programs, of which three contain several modules, together with five additional modules which provide an efficient interface with CICS/VS. The entire system is highly modularized to permit ease of maintenance and provide for efficient operation in Virtual Storage. In addition to the on-line programs, IQRP includes a set of utility programs to prepare the system for operation, provide a journal, gather statistics on system use, etc.

In the operation of IQRP, the user at a terminal interacts with the system by entering his identification and the report name and, optionally, the selection criteria and report format and contents. This interaction is thereupon interpreted by IQRP, and passed to one of several IQRP query processors.

System files are used to determine whether a user has the proper security clearance to access the information he has requested, as well as to translate any special terms the user has included in his interaction. Data names supplied by the user are likewise translated into field names recognized by the access methods and any further information regarding structure required to permit access to the data is also provided from the system files. The system files also supply information on predefined report formats and any modifications to the standard format which this user may have predefined.

Using the information regarding the physical nature of the data, the IQRP processor proceeds to search the appropriate data file for the information required on the basis of the criteria provided by the terminal user. IQRP manipulates the data, performing any sorting, totaling, or arithmetic operations required. The information is then formatted into the appropriate two-dimensional report structure and output is sent to the terminal or system printer. Should the IQRP interpreter detect a user request that is incomplete or incorrect, IQRP will return a message to the terminal indicating the nature of the problem. The user should then reinsert the corrected request.

Manual, 18 pages
////5796-PDG

GCB8-6799

IBM 2947-4 CHECK COLLECTION CONTROLLER (RPQ #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
SLSS - ORDER NO. SUBSCRIPTION ONLY

SC09-0007

VANDL-1 PRPQ 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
SLSS - ORDER NO. SUBSCRIPTION ONLY

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
370//15//WT-ONLY

GC19-5021

WORLD TRADE ADDENDUM TO 3350/3344 INSTALLATION AND
CONVERSION GUIDE (GC20-1780)

This guide describes the requirements and procedures to accomplish a successful installation of 3350 and 3344 Direct Access Storage Devices. It covers such aspects as features, compatibility modes, addressing, and hardware and programming considerations.

Special emphasis is given to the procedures for converting from different types of DASD, and several examples are explained in detail. In the same way, the checklist included in the guide will assist in the implementation of a good conversion plan.

A bibliography related to the 3350/3344 DASD is also included, as well as space utilization tables.
Manual, 100 pages, 5/76
//07//3350,3344//WT-ONLY

GB21-9949

IBM CUSTOMER INFORMATION FDP/IUP REFERENCE SUMMARY

This informative booklet is intended for customer use and reflects the most recent inventory of available FDP's and IUP's. It contains program numbers, prices, and order numbers of customer available documents supporting those programs.

Booklet, 3 5/8 x 8 1/2 inches, 26 pages
360,370//20//

GCB4-5104

OS/VS1 MASTER INDEX OF SL PUBLICATIONS (MICROFICHE EDITION)

This microfiche is equivalent to GC24-5104-1.

Microfiche (5/75)
SLSS - ORDER NO. SUBSCRIPTION ONLY

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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GCB8-6796

IBM 2947-4 CHECK COLLECTION CONTROLLER (RPQ #888264)
SEQUENTIAL ACCESS METHOD (CSAM) MAIN MODULE-DOS

MICROFICHE LISTING, PROG. NO. 5799-WAF
Assembly Program Listing for the Main Module of Program

SC19-5032

IBM 2970-5 BANKING TERMINAL SUPPORT UNDER CONTROL OF 3704/5
NCP, PRPQ X97561 DESCRIPTION/OPERATION - PROG PROD 5799-ARC

This manual contains the changes to be made to the current version of the 3705/3704 NCP (Version 4, Modification Level 1). These changes are required for the support of the IBM 2970-5 Banking Terminal System. This manual is intended for analysts and programmers responsible for the generation and the maintenance of the NCP, and for IBM System Engineers and Field Engineers.

Manual, 8 1/2 x 11 inches, 38 pages, 12/76
////5799-ARC/WT-ONLY

GC19-5042

IBM 5930 SUPPORT UNDER CICS/DOS/VS (CUSTOMER
INFORMATION CONTROL SYSTEM DOS/VS) PRPQ DESCRIPTION/

OPERATIONS, PRPQ Y96303, PROG 5799-AJP
This PRPQ applies to the DOS/VS version of the IBM Program Product CICS (Customer Information Control System) and extends CICS terminal support to the IBM 5930 terminal system. The IBM 5930 can be used for most CICS on-line terminal applications in cash receipting, banking, inquiry and data collection areas.

This manual is written for persons interested in designing and programming application system using the IBM 5930 terminal under DOS/CICS/VS. It should be read in conjunction with the CICS/VS and IBM 5930 SRL Manuals.
Manual, 8 1/2 x 11 inches, 20 pgs, 12/76

//////5799-AJP/WT-ONLY

GC20-0360

IBM SYSTEM/360 BIBLIOGRAPHY

For use by all who plan for, install, program or operate an IBM System/360 Model 22 and above, this bibliography describes technical publications in support of the following:

System/360 machine components
Type I programming support
DB/DC and all other licensed programs operable under Type I support on System/360
Type II and Type III programs
Other supplementary information (forms, PTF listings, etc.)

Features, and types of information included, are:

Titles and abstracts, with page counts
Current status of all publications listed, with TNLS; description of TNL system
Editions and TNLS applying to each supported release of OS/MPT and OS/MVT
Clustering of manuals by subject; fine-sorting by title
Explanation of file numbers and subject-code system
Subject-code indexes (both numeric and alphabetic)
Graphic charts for machines and major operating systems
Convenient list of all publications in order-number sequence, with subject codes
Specific page lookup of titles by program acronyms
Order numbers; and details on order-numbering system
Publication profiles used for distribution items under SLSS
Explanation of SLSS profiles
This bibliography is regularly updated to provide the latest information pertaining to the System/360 library. For System/370 publications, refer to GC20-0001 and GC20-0370. System/360 Model 20 publications are in GA26-3565. Bibliography, 380 pages, 7/75
360,3195/////

GC20-0370

IBM SYSTEM/370 BIBLIOGRAPHY OF INDUSTRY SYSTEMS AND APPLICATION PROGRAMS

This bibliography describes all technical publications needed by those who plan for, install, program, or operate System/370 industry systems and licensed applications programs.

Industry (sub)systems covered are the IBM 3600 Finance Communication System, the IBM 3650 Retail Store System and all others, including the IBM 3790 Communication System.

Licensed programs included are all completed applications running under System/370 SCP (or under Type I programming if for System/370 only). Completed applications are those targeted for specific industries such as finance, insurance, or health and those equally applicable across many industries. Features, and types of information included, are:

Titles, order numbers and abstracts, with page counts
Clustering of manuals by subject; fine-sorting by title
Expedient list of publications in order-number sequence, with subject codes; subject codes explained and indexed
Current status of all publications listed, with TNLS; description of TNL system
Specific page lookup of titles by program acronyms
Publication profiles used for distributing items under SLSS
Explanation of SLSS profiles and of order-numbering system

This bibliography is regularly updated to provide the latest information pertaining to industry systems and application programs.

For DB/DC and for System/370 machine components, SCP release-dependency, and other host system information, refer to IBM System/370 Bibliography, GC20-0001.

Completed applications intended primarily for System/360 are in IBM System/360 Bibliography, GC20-0360. Bibliography, 120 pages (6/75)
370//00///

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

SLSS - ORDER NO. SUBSCRIPTION ONLY

SC20-1637

A GUIDE TO PL/I FOR FORTRAN USERS: STUDENT TEXT

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

SLSS - ORDER NO. SUBSCRIPTION ONLY

SC20-1646

A PROGRAMMER'S INTRODUCTION TO IBM SYSTEM/360 ASSEMBLER LANGUAGE: STUDENT TEXT

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

GC20-1649

INTRODUCTION TO IBM DIRECT-ACCESS STORAGE DEVICES AND ORGANIZATION METHODS: STUDENT TEXT

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

SLSS - ORDER NO. SUBSCRIPTION ONLY

SC20-1651

A GUIDE TO PL/I FOR COMMERCIAL PROGRAMMERS (STUDENT TEXT)

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

GC20-1663

OS (4 OS/VS) DEVELOPMENT SUPPORT LIBRARIES: INSTALLATION MANAGEMENT TEXT

The purpose of this document is to illustrate how job control statements, cataloged procedures, and OS utilities can be used to create, use, and maintain a machine-readable program development support library system on direct access storage. The examples in the Text are based on OS/MVT Release 21.6 and OS/VS2 Release 1. Manual
SLSS - ORDER NO. SUBSCRIPTION ONLY

GC20-1684

INTRODUCTION TO IBM DATA PROCESSING SYSTEMS: STUDENT TEXT

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

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. DF Techniques Manual, 86 pages
//04//1287,1288/

GC20-1699

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

SLSS - ORDER NO. SUBSCRIPTION ONLY

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
3155//01///

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
3165//01///

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

//04//1287,1288/

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 (GC20-1756)
- o OS/Virtual Storage 1 Features Supplement (GC20-1752)
- o OS/Virtual Storage 2 Single Virtual Storage (SVS) Feature Supplement (GC20-1753)
- o Virtual Machine Storage 2 Features Supplement (GC20-1757)

Manual, 264 pages

3145//01///

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. The contents are intended to acquaint the reader with the Model 135 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 135 that supports 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 (GC20-1756)
- o OS/Virtual Storage 1 Features Supplement (GC20-1752)
- o Virtual Machine Facility/370 Features Supplement (GC20-1757)

Manual, 316 pages

3135//01///

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

//04//1287,1288/

GC20-1750

IBM 3881 OPTICAL MARK READER - FORMS KIT

This manual contains 41 forms designed for the IBM 3881 Optical Mark Reader. Along with each document is a brief description of the application and the use of the form with the IBM 3881. The forms are illustrated in two colors to aid with applications spanning several industries. All forms should be reviewed, as the data entry characteristics in one application are similar to those of other applications in other industries.

Manual, 88 pages

//04//3881/

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

//04//3881/

GC20-1752

OS/VIRTUAL STORAGE 1 FEATURES SUPPLEMENT

This supplement discusses OS/Virtual Storage 1 (OS/VS1) features and organization as of Release 6. 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 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:

- A Guide to the IBM System/370 Model 135 (GC20-1738),
- A Guide to the IBM System/370 Model 138 (GC20-1785),
- A Guide to the IBM System/370 Model 145 (GC20-1734),
- A Guide to the IBM System/370 Model 148 (GC20-1784),
- A Guide to the IBM System/370 Model 158 for System/370 Model 155 Users (GC20-1754),
- A Guide to the IBM System/370 Model 158 for System/360 Users (GC20-1781),
- A Guide to the IBM System/370 Model 168 for System/370 Model 165 Users (GC20-1755),
- A Guide to the IBM System/370 Model 168 for System/360 Users (GC20-1787).

Readers who possess more than one of the above base publications need add this supplement to only one of the documents, as the OS/VS1 information presented applies to System/370 Models 135, 138, 145, 148, 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/VS1.
Manual, 192 pgs
//20///5741

GC20-1753

OS/VS2 SINGLE VIRTUAL STORAGE (SVS) FEATURES SUPPLEMENT

This supplement discusses OS/Virtual Storage 2 (OS/VS2) SVS features and organization. Only concepts and functions of OS/VS2 SVS that are new to and significantly different from those of OS MVT are presented in detail. Transition from OS MVT to OS/VS2 SVS is discussed also.

This supplement is an optional section 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: A Guide to the IBM System/370 Model 145 (GC20-1734), A Guide to the IBM System/370 Model 158 for System/370 Model 155 Users (GC20-1754), A Guide to the System/370 Model 158 for System/360 Users, GC20-1781, a Guide to the IBM System/370 Model 168 for System/370 Model 165 Users, GC20-1755, or a Guide to the IBM System/370 Model 168 for System/360 Users, GC20-1787.

Readers who possess more than one of the above base publications need add this supplement to only one of the documents, as the OS/VS2 information presented applies to System/370 Models 145, 158, and 168 unless otherwise indicated in the text.

The contents of this supplement are designed to acquaint the OS MVT knowledge reader with the new facilities and the advantages of OS/VS2 SVS.
Manual, 90 pages
//20///5742

GC20-1754

A GUIDE TO THE IBM SYSTEM/370 MODEL 158 FOR SYSTEM/370 MODEL 155 USERS

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 (GC20-1756)
- o OS/Virtual Storage 1 Features Supplement (GC20-1752)
- o OS/VS2 SVS Features Supplement (GC20-1753)
- o Virtual Machine Facility/370 Features Supplement (GC20-1757)

Manual, 120 pages
3155,3158//01///

GC20-1755

A GUIDE TO THE IBM SYSTEM/370 MODEL 168 FOR SYSTEM/370 MODEL 165 USERS

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/VS2 (SVS) Features Supplement, GC20-1753
- o Virtual Machine Facility/370 Features Supplement (GC20-1757)

* Availability to be announced

Manual, 118 pages
3165,3168//01///

GC20-1756

DOS/VIRTUAL STORAGE FEATURES SUPPLEMENT

This supplement discusses DOS/Virtual Storage (DOS/VS) features and organization per latest release. Only concepts and functions of DOS/VS that are new to and significantly different from those of DOS Version 4 are presented in detail. Transition from DOS/VS 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 DOS/VS 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)
- Readers who possess more than one of the above base publications need add this supplement to only one of the documents as the DOS/VS information presented applies to other System/370 Models 135, 145, and 158 unless otherwise indicated in the text.

The contents of the supplement are designed to acquaint the DOS Version 4 knowledgeable reader with the new facilities and the advantages of DOS/VS.
Manual, 118 pages
//20///5745

GC20-1757

VIRTUAL MACHINE FACILITY/370 FEATURES SUPPLEMENT

This supplement discusses Virtual Machine Facility/370 (VM/370) features and organization. It assumes knowledge of System/370 hardware and an understanding of virtual storage concepts and terminology, virtual machine concepts, and dynamic address translation hardware, as discussed in each of the base publications for which this supplement can be ordered. The reader is also assumed to be familiar with operating system concepts in general and any specific operating system that is to be executed under control of VM/370 except for the Conversational Monitor System of VM/370, which is discussed in this supplement. Knowledge of Control Program 67/Cambridge Monitor System (CP-67/CMS) is not assumed.

This supplement is an optional section that is designed to be inserted in its entirety in any one of the following base publications:

- 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 supplement to only one of the documents since the VM/370 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 reader with the facilities and operation of VM/370. Types of installations that can benefit from the use of VM/370 and performance considerations are indicated also.
Supplement, 186 pgs, 1/77
//20///5749

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
//04//3886/

GC20-1767

OPTICAL MARK READ/CARD PRINT APPLICATION SOLUTIONS IBM 3504 and 3505 CARD READERS IBM 3525 CARD PUNCH

This manual contains brief descriptions of application solutions using the 3504/3525 Card Subsystem with System/370 Model 125 and the 3505/3525 Card Subsystem with all models of System/370. The application solutions highlights the Optical Mark Read feature on the card reader, and the Card Print feature on card punch.

The two-color card form samples accompanying the majority of application descriptions illustrate the variety of ways of using the card subsystem to solve data processing problems in many industries. Data printed in black within the sample cards simulates 3525 card printing.

It is assumed that punched hole data will be contained in many of the application cards discussed, but the punched holes have not been represented in these illustrations.

All card documents illustrated in this publication are reduced in physical size from the standard specifications for an 80-column card.

Manual, 75 pages
//13//3504,3505,3525/

GC20-1775

CONCEPTS OF THE IBM 3800 PRINTING SUBSYSTEM

This manual is intended as a first reader for those users of printers who wish to take a quick look at the non-impact IBM 3800 Printing Subsystem, at its basic concepts, and at how these concepts lead to new functions that may offer different options in planning and operations. A check list is given as an aid in estimating differences in operating costs.

System Manual
//03//3800/

GC20-1780

3350 3344 INSTALLATION AND CONVERSION GUIDE

This guide describes the requirements and procedures to accomplish a successful installation of 3350 and 3344 Direct Access Storage Devices. It covers such aspects as features, compatibility modes, addressing, and hardware and programming considerations.

Special emphasis is given to the procedures for converting from different types of DASD, and several examples are explained in detail. In the same way, the checklist included in the guide will assist in the implementation of a good conversion plan.

A bibliography related to the 3350/3344 DASD is also included, as well as space utilization tables.

Manual
370//07//3350,3344/

GC20-1781

A GUIDE TO THE IBM SYSTEM/370 MODEL 158 FOR SYSTEM/360 USERS

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/360 Model 50 is assumed. 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 DOS/VS, OS/VS1, SVS and VM/370 for the Model 158 in a virtual storage environment. Optional orderable supplements are the following:

- o DOS/Virtual Storage Features Supplement (GC20-1756)
- o OS/Virtual Storage 1 Features Supplement (GC20-1752)
- o OS/Virtual Storage 2 Single Virtual Storage (SVS) Features Supplement (GC20-1753)
- o Virtual Machine Facility/370 Features Supplement (GC20-1757)

Manual

2040,2044,2050,2065,2067,2075,2091,2085,3158//01///

GC20-1784

A GUIDE TO THE IBM SYSTEM/370 MODEL 148

This guide presents hardware, programming systems, and other pertinent information about the IBM System/370 Model 148 that describes its significant new features and advantages. The contents are intended to acquaint the reader with the Model 148 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 148 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 (GC20-1756)
- o OS/Virtual Storage 1 Features Supplement (GC20-1752)
- o Virtual Machine Facility/370 Features Supplement (GC20-1757)

Manual, 312 pgs

3148//01///

GC20-1785

A GUIDE TO THE IBM SYSTEM/370 MODEL 138

This guide presents hardware, programming systems, and other pertinent information about the IBM System/370 Model 138 that describes its significant new features and advantages. The contents are intended to acquaint the reader with the Model 138 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 138 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 (GC20-1756)
- o OS/Virtual Storage 1 Features Supplement (GC20-1752)
- o Virtual Machine Facility/370 Features Supplement (GC20-1757)

Manual, 247 pgs

3138//01///

GC20-1786

PLANNING GUIDE FOR THE DOS/VS "CARDLESS" SYSTEM

This manual is for systems programmers, application programmers, and operators who are planning to use the System/370 Model 115 or 125 in a "cardless" environment. It discusses the Disk Operating System/Virtual Storage (DOS/VS) programming support provided for the IBM 3540 Diskette Input/Output Unit. Aspects of system operation, system generation, conversion, and application development are covered with regard to systems that do not use a conventional card reader or punch.

An operational knowledge of DOS/VS and POWER/VS is basic to understanding this publication. Planning for a cardless system should include understanding the operation of the 3540 and the use of the diskette in the data entry area.

Manual

3115,3125//34//3540/5745

GC20-1787

A GUIDE TO THE IBM SYSTEM/370 MODEL 168 FOR SYSTEM/360 USERS

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/360 Model 65 is assumed. 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 Single Virtual Storage (SVS) Features Supplement (GC20-1753)
- o Virtual Machine Facility/370 Features Supplement (GC20-1757)

Manual

2040,2044,2050,2065,2067,2075,2091,2085,3168//01///

GC20-1800

VIRTUAL MACHINE FACILITY/370: INTRODUCTION

This publication introduces VM/370, and defines the minimum equipment configuration necessary to execute it. It is intended for anyone who is interested in VM/370. However, the reader should have a basic understanding of IBM data processing.

VM/370 (Virtual Machine Facility/370) is an operating system that manages the resources of a single System/370 computer so that multiple computing systems (virtual machines) appear to exist. VM/370 consists of a Control Program (CP), which manages the real computer, a Conversational Monitor System (CMS), which is a general purpose conversational time-sharing system that executes in a virtual machine and a Remote Spooling Communications Subsystem (RSCS), which spools files to and from geographically remote locations.

The first section of the publication is an introduction; it describes what VM/370 can do. The second, third and fourth sections describe the Control Program, Conversational Monitor System, and Remote Spooling Communications Subsystem, respectively. The appendixes include information about system requirements, supported language processors and emulators, and VM/370-related publications for CMS users.

The information in this publication that pertains to Release 3 of VM/370 is for planning purposes only.

This publication is a prerequisite for the VM/370 system library.

Manual, 60 pages

//20//5749

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

//34//5749

GC20-1806

IBM VIRTUAL MACHINE FACILITY/370 OPERATOR'S GUIDE

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, 142 pages

//40//5749

GC20-1807

VIRTUAL MACHINE FACILITY/370: SYSTEM PROGRAMMER'S GUIDE

This publication is intended for VM/370 system programmers. A debugging section describes the procedures, commands, and utilities useful in debugging and provides guidance in dump reading. A Control Program (CP) section describes how CP works and tells how to modify or better utilize CP. A Conversational Monitor System (CMS) section describes how CMS works, and describes in detail some special features of CMS. The last two sections describe teleprocessing support for VM/370: one section describes the IBM 3704 and 3705 Communications Controllers and the other describes the IBM 2780 Spool Remote Program. Refer to the latest System/360 and System/370 Bibliography, GA22-6822, for the titles and abstracts of related publications.

Manual, 400 pages

//36//5749

GC20-1808

VIRTUAL MACHINE FACILITY/370: SYSTEM MESSAGES

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, 345 pages

//40//5749

GC20-1809

IBM VIRTUAL MACHINE FACILITY/370 OLTSEP AND ERROR RECORDING GUIDE

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, 170 pages
//37///5749

GC20-1810

IBM VIRTUAL MACHINE FACILITY/370 TERMINAL USER'S GUIDE

This publication provides information required to access 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, 91 pages
//40///5749

GC20-1813

IBM VIRTUAL MACHINE FACILITY/370: GLOSSARY AND MASTER INDEX

This publication contains a glossary of VM/370 (Virtual Machine Facility/370) terms and consolidates the indexes of VM/370 publications in the IBM Systems Library. It also provides a reading plan for VM/370 publications.

The master index lists topics alphabetically, and refers to the publications that discuss these topics. The indexes of the referenced publications list the same topics and refer to specific pages.

Manual, 116 pages
//20///5749

GC20-1816

VM/370 REMOTE SPOOLING COMMUNICATIONS SUBSYSTEM (RSCS) USER'S GUIDE

This publication provides the users of the VM/370 Remote Spooling Communications Subsystem (RSCS) with the information necessary to operate the RSCS virtual machine and supported remote terminals and stations.

Topics covered include:

- o Devices supported by RSCS
- o Line connection procedures
- o Data transmission and reception
- o RSCS operator commands
- o Remote operator commands
- o VM/370 user commands
- o Error recovery procedures

Manual, 116 pages
/C/30///5749

GC20-1818

IBM VIRTUAL MACHINE FACILITY/370: CMS COMMAND AND MACRO REFERENCE

This publication provides users of the Conversational Monitor System (CMS) component of the IBM Virtual Machine Facility/370 with detailed reference information concerning command syntax and usage notes for:

- CMS commands
- EDIT subcommands
- DEBUG subcommands
- EXEC control statements, special statements, and built-in functions
- CMS assembler language macro instructions

Prerequisite publications:

IBM Virtual Machine Facility/370:
Terminal User's Guide, Order No. GC20-1810
CMS User's Guide, Order No. GC20-1819

Manual
//36///5749

GC20-1819

VM/370: CMS USER'S GUIDE

Contains general information and examples for using the Conversational Monitor System (CMS) component of IBM Virtual Machine Facility/370 (VM/370).

This publication is written for applications programmers and nontechnical personnel who want to learn how to use CMS to create and modify data files (including VSAM data sets) and programs, and to compile, test, and debug OS or DOS programs under CMS.

The CMS Editor and EXEC facilities are described, with usage information and examples.

Prerequisite Publications

IBM Virtual Machine Facility/370: Terminal User's Guide, Order No. GC20-1810
IBM Virtual Machine Facility/370: Introduction, Order No. GC20-1800

Manual
//39///5749

GC20-1820

IBM VIRTUAL MACHINE FACILITY/370: CP COMMAND REFERENCE FOR GENERAL USERS

This publication is a reference manual for the general class of users that are running systems such as OS, DOS, OS/VS, DOS/VS, CMS, and RSCS in a virtual machine under VM/370.

Each CP command available to the general class of users is listed alphabetically and contains general usage information, the command line format, descriptions of all operands and options, allowable values for operand variables, and default values for optional operands. Also included are tables showing the relationship of the general class of CP commands to the entire set of VM/370 commands.

Prerequisite Publications:

IBM Virtual Machine Facility/370:
Operating Systems in a Virtual Machine, Order No. GC20-1821.
Terminal User's Guide, Order No. GC20-1810.

Manual
//36///5749

GC20-1821

IBM VIRTUAL MACHINE FACILITY/370: OPERATING SYSTEMS IN A VIRTUAL MACHINE

This publication is intended for VM/370 users who plan to use any of the System/360 or System/370 operating systems that are supported under VM/370. As such, it is directed to the system programmer, the system operator, as well as the general user. The manual includes sections on how to configure your virtual machine, how to use the VM/370 commands, and how to perform your system generation under VM/370. Other sections cover the running of DOS/VS and OS/VS under VM/370. Still other sections contain system planning and general operating information and considerations.

Users of the Conversational Monitor System (CMS), the Remote Spooling Communications Subsystem (RSCS), or the Interactive Problem Control System (IPCS) are directed to the respective User's Guides.

Prerequisite Publications: IBM Virtual Machine Facility/370: Introduction, Order No. GC20-1800
Terminal User's Guide, Order No. GC20-1810

Manual, 248 pages, 2/76
//34///5749

GC20-1822

VM/370: RELEASE 3 GUIDE

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 system hardware and software support personnel.

This publication describes:

- o New and changed VM/370 features, components, and requirements
- o Changes to VM/370 publications
- o Modules added, deleted, modified, or sequenced for the current release
- o Ordering and distribution procedures for the current release
- o VM/370 restrictions
- o A list of Release 2 APAR fixes that have been incorporated in the Release 3 base system

Manual
//34///5749

GC20-1823

VM/370 INTERACTIVE PROBLEM CONTROL SYSTEM (IPCS) USER'S GUIDE

This publication, directed to the system programmer, is intended as a reference publication for users of the Interactive Problem Control System (IPCS) component of VM/370. IPCS standardizes the problem reporting process and provides:

- o Online problem management
- o Interactive problem diagnosis
- o An online debugging facility for disk-resident abend dumps
- o A problem tracking facility that can be updated by the user or, automatically, by the system

This publication contains IPCS command formats and instructions for their use. IPCS programs, subroutines, and files are listed, as well as the messages associated with IPCS.

Manual, 68 pages, 1/76
//37///5749

SC20-1845

APL/CMS INSTALLATION MANUAL, PROGRAMMING RPQ MF2608 - PROG. NO. 5799-ALK

This publication describes the procedures for the installation and support of APL/CMS. It discusses the generation of the APL command modules and the shared APL system, and the use of the optional APL Assist feature. Also included are descriptions of the APL/CMS library structure and the utility programs for converting APL/360 workspaces into APL/CMS workspaces.

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, 32 pages
 ////5799-ALK

SC20-1846

APL/CMS USER'S MANUAL, PROGRAMMING RPQ MF2608 - PROG. NO. 5799-ALK
 This publication describes APL/CMS. It also describes the APL/CMS auxiliary processors, which allow the APL program to perform input and output operations to disks, magnetic tapes, line printers, and other devices.

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, 76 pages
 ////5799-ALK

GC20-1852

INSTALLATION PRODUCTIVITY OPTION (IPO) FOR OS/VS2 REL 3.7 (MVS): PLANNING AN MVS-IPO INSTALLATION

This manual provides general information on MVS-IPO to assist in evaluating its applicability to a particular installation. A framework for generating a customized MVS installation plan that is structured to make maximum use of the MVS-IPO components is described in detail.
 Manual, 61 pages
 //34//5752

GC20-8096

INTRODUCTION TO DATA MANAGEMENT STUDENT TEXT
 This publication is an introduction to the concepts of data management and information processing. It is intended to address both programmer and non-programmer. Topics presented are Data Management and Information, Fields and Records, Data Storage Devices, Data Organization, Functions of Data Management, and Concepts of a Data Base System.
 Manual, 8-1/2 x 11, 60 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY

GC21-5004

OS DATA MANAGEMENT SERVICES AND MACRO INSTRUCTIONS FOR IBM 1285/1287/1288
 This publication defines and describes the data management 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
 360,370//30//1285,1287,1288/

SC21-5005

IBM DOS RPG II LANGUAGE, PROG. NO. 5736-RG1
 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 set up information for coupling and executing an RPG II program is also included in the publication.
 Manual, 568 pages, 3/75
 ////5736-RG1

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, 50 pages
 360,370//30//1419,1275/

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 ISOOOCR-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
 ////5736-UT1

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.
- o MVT - multi-programming with a variable number of tasks.
- o VS1 - virtual storage, 1.
- o VS2 - virtual storage, 2.

Manual, 30 pages
 ////5734-UT3

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
 ////5736-RG1

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
 360,370//28/DOS//

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
 ////5736-RG1

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
 ////5736-RG1

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
 360,370//32/DOS/1288/

GC21-5068

PROGRAM PRODUCT FUNCTIONAL DESCRIPTION FOR IBM 1288 BASIC UNFORMATTED READ SYSTEM (MPT/MVT/VS1/VS2) PROG. NO. 5734-UT3
 Describes the IBM 1288 Basic Unformatted Read System for use with the Operating System.
 Flyer, 1 page
 360,370//32/OS,OTSO,OASP,CALL/1288/

GC21-5071

IBM 3740 BTAM/TCAM PROGRAMMER'S GUIDE
 This publication describes the access method facilities and macro instructions required to write an application program that defines, activates, and controls a 3741 Model 2 and Model 4 Data Station or a 3747 Data Converter. It contains ID verification and error recovery procedures, line control sequences, sample programs for BTAM and TCAM, and teleprocessing reference material.
 This publication is intended for programmers who have a knowledge of teleprocessing, basic assembler, and data management techniques.
 Manual, 72 pages
 360,370/C/30///

GC21-5097

OS AND OS/VS PROGRAMMING SUPPORT FOR THE IBM 3505 CARD READER AND IBM 3525 CARD PUNCH
 This reference manual describes the OS and OS/VS support for the 3505 Card Reader and 3525 Card Punch and the optional features for both devices.
 The manual is divided into three sections: 3505 Card Reader, 3525 Card Punch, and Appendixes.
 Manual, 60 pages
 370//30//3505,3525/

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
 360,370//28///

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
 370//15///

GC23-0001

JES2 FOR MVS RELEASE 3.7: SYSTEM PROGRAM LIBRARY
 This publication is for system programmers who are to install the job entry subsystem JES2. It contains information about the installation and initialization of JES2, JES2 processing, remote job entry supported by JES2, and factors that affect JES2 performance.
 The information in this manual, which applies to OS/VS2 MVS Release 3.7, was formerly found in the JES2 sections of OS/VS2 System Programming Library: System Generation Reference, GC26-3792, OS/VS2 System Programming Library: Initialization and Tuning Guide, GC28-0681, and OS/VS2 System Programming Library: Job Management, GC28-0627.
 Manual, 180 pages, 2/76
 //36///5752

GC23-0002

JES2 RELEASE 4.0: MVS, SYSTEM PROGRAM LIBRARY
 This publication, which corresponds to JES2 Release 4.0, is for system programmers who are to install the job entry subsystem JES2. It contains information about the

installation and initialization of JES2, JES2 processing, remote job entry (RJE) supported by JES2, and factors that affect JES2 performance. The manual also describes JES2 Level 4.0 support for SNA RJE work stations and the IBM 3800 Printing Subsystem.
 Manual, 200 pages, 5/76
 ////5752-803

GC23-0004

OS/VS2 MVS JES3 R4 SELECTABLE UNIT SYSTEM INFORMATION, SUID 5752-803
 This publication describes the component package JES2 Release 4.0. It contains information about the changes to JES2, other JES2 Release 4.0 documentation, installation of the component package, and storage estimates. The purpose of this manual is to assist installation managers, system programmers, and IBM Field Engineering personnel in incorporating JES2 Release 4.0.
 This manual should be used for JES2 information only if the component package JES2 Release 4.0 is being installed in the system.
 Manual, 15 pages, 5/76
 ////5752-803

GC23-0005

OS/VS1 SERVICE AIDS & OLTEP MESSAGES
 No abstract available.
 Manual, 76 pages
 //37///5741

GC23-0006

OS/VS2 SERVICE AIDS & OLTEP MESSAGES
 No abstract available.
 Manual, 78 pages
 //37///5752

GC23-0007

OPERATOR'S LIBRARY: OS/VS2 MVS JES2 R4 COMMANDS
 No abstract available.
 Manual, 120 pages
 ////5752-803

GC23-0008

OPERATOR'S LIBRARY: OS/VS2 MVS JES3 R2 COMMANDS
 This publication provides the JES3 information required for a system console operator running a System/370 under OS/VS2 Release 3.7.
 The following topics are discussed in this publication:

- o an overview of JES3
- o consoles supported by JES3
- o operator command formats and procedures
- o starting, stopping, and restarting JES3
- o controlling JES3 and MCS consoles
- o controlling job input, interpreter tasks, and output
- o controlling devices, volumes, and data sets
- o controlling job scheduling, selection, and execution
- o utilities
- o recovery and service aids
- o JES3 command summary

This publication is intended to be used with Operator's Library: OS/VS2 MVS System Commands, GC38-0229; which describes the basic OS/VS2 MVS system information used in conjunction with JES3.
 Manual, 206 pages, 5/76
 ////5752-812

GC23-0009

NETWORK JOB ENTRY FACILITY FOR JES2, PROG PROD 5740-XR8 DESIGN OBJECTIVES
 This program product design objectives describes the overall functions of the Network Job Entry (NJE) facility for JES2. It is intended to be used by installation managers and system programmers in determining the feasibility of installing the Network Job Entry (NJE) facility for JES2 program product.
 Manual, 4 pages, 7/76
 ////5740-XR8

SC23-0012

INSTALLATION REFERENCE MATERIAL NETWORK JOB ENTRY FACILITY FOR JES2, PROG 5740-XR8
 This publication contains system-oriented information pertaining to the Network Job Entry (NJE) facility for JES2. This publication is intended to supplement and be used in conjunction with the following systems manuals with JES2 Release 4.0 (selectable unit VS2.03 803) information installed: OS/VS2 Message Library: Routing and Descriptor Codes, GC38-1102; OS/VS2 Message Library: System Messages, GC38-1002; OS/VS2 JCL, GC28-0692; OS/VS2 Storage Estimates, GC28-0604; OS/VS2 TSO Command Language Reference, GC28-0646.
 Manual, 44 pages, 10/76
 ////5740-XR8

GC23-0015

OS/VS2 MVS JES2 RELEASE 4.1 SELECTABLE UNIT SYSTEM INFORMATION SUID 5752-825

This publication describes JES2 Release 4.1 (selectable unit VS2.03.825). It contains information about changes to JES2, installation of the selectable unit, storage estimates and prerequisite selectable units.

The purpose of this manual is to assist installation managers, system programmers, and IBM Field Engineering personnel in installing JES2 Release 4.1.
Manual, 8 1/2 x 11 inches, 20 pgs, 3/77
/////5752-825

GC23-0019

NETWORK JOB ENTRY (NJE) FACILITY FOR JES2 RELEASE 2, PROG PROD 5740-XR8, SPECIFICATIONS

Program Product Specifications covering Release 2 of Network Job Entry Facility for JES2. Provides additional RJE support over that provided by Release 1. This support allows connection of CPUs to IBM 3791 Communication Controllers using SDLC communication lines.

Audience would be installation managers, system programmers, and IBM Field Engineering personnel.
Manual, 8 1/2 x 11 inches, 4 pgs, 3/77
/////5740-XR8

GC23-0052

OS/VS2 MVS JES3 3850 MASS STORAGE SYSTEM SELECTABLE UNIT: JES3 COMMANDS - SUPPLEMENT, SUID 5752-818

This supplement contains the JES3 operator commands necessary to support the IBM 3850 Mass Storage System.
Manual, 8 1/2 x 11 inches, 36 pgs., 3/77
/////5752-818

GC23-0053

JES2 RELEASE 4.1 SELECTABLE UNIT SUPPLEMENT: OS/VS2 MVS JES2 SPL SUID 5752-825

This is a supplement to base publication GC23-0002-0. It contains information in support of Release 4.1 of JES2.
Manual, 8 1/2 x 11 inches, 124 pgs, 5/76
/////5752-825

GC23-0055

JES2 RELEASE 4.1 SELECTABLE UNIT SUPPLEMENT: JES2 COMMANDS, SUID 5752-825

This is a supplement to base publication GC23-0007-0. It contains information in support of Release 4.1 of JES2.
Manual, 8 1/2 x 11 inches, 68 pgs, 5/76
/////5752-825

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
370,2030,2040,2044,2050,2065,2067,2075,2091,2085//28/OS,
OTS0,OASP,CALL//

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
370//34/DOS//

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
370//37/DOS//

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 VSI 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 VSI. 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 updating the VSI system.
Manual, 400 pages
//34//5741

GC24-5091

OS/VS1 PROGRAMMER'S REFERENCE DIGEST

This publication contains quick-reference information about the VSI operating system. It is intended for experienced programmers and field support personnel. For the most part, definitions, restrictions, and limitations have been omitted. Information about program debugging and control blocks is not included in this publication.

This publication is divided into nine sections containing: general information; system information; supervisor information; data management information; JCL, operator commands, SMP, RES, and CRJE information; linkage editor and loader information; BTAM/TCAM/VTAM information; utilities and service aids information; and bibliographic information.

Linkage Editor and Loader Information
BTAM/TCAM/VTAM Information
Utilities and Service Aids Information
Bibliographic Information
Reference Summary, 3 1/2 x 6 1/2 inches, 390 pages
//36//5741

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
//34//5741

GC24-5093

OS/VS1 DEBUGGING GUIDE

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
//37//5741

GC24-5094

OS/VS1 STORAGE ESTIMATES

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 VSI. 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, 240 pages, 7/75
//34//5741

GC24-5095

DOS AND DOS/VS TO OS/VS1 IMPLEMENTATION GUIDE

Provides reference information on altering DOS and DOS/VS 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 helping programmers to:

- o Modify existing DOS and DOS/VS programs and files only where needed, and
- o Take advantage of OS/VS1 facilities not provided in DOS and DOS/VS

This manual includes many examples of equivalent DOS and DOS/VS 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 Service Aids
- o Telecommunications
- o Emulation

The intended audience is system and application programmers in a DOS or DOS/VS installation making the transition to the OS/VS1 system control program. Readers should be familiar with DOS or DOS/VS its system facilities, and the DOS or DOS/VS versions of the compilers or assemblers used in the programs to be changed.

Prerequisite publications:

- o DOS and DOS/VS to OS/MFT, OS/MVT, OS/VS1 Management Planning Guide, GC24-5082
- o OS/VS1 Planning and Use Guide, GC24-5090

Manual, 300 pages
370//34/DOS,//

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
//34//5741

GC24-5099

OS/VS1 JCL REFERENCE

This publication defines the facilities provided with the job control language and contains the information necessary to code job control language statements. It is intended for use by programmers who understand the concepts of job management and data management. Prerequisite publication:

OS/VS1 JCL Services, GC24-5100

Manual, 244 pages
//36//5741

GC24-5100

OS/VS1 JCL SERVICES

This publication describes the operating system services that can be requested by coding JCL (job control language) parameters. It is written for applications programmers with a basic knowledge of computer operating systems and some familiarity with JCL. Part 1 contains a brief overview of the nine JCL statements and an introduction to the organization of the services in the book. Part 2, which describes the use of JCL services, is divided into five sections: running your job; defining and describing data sets; special data sets; obtaining output; cataloged and in-stream procedures.

Not every service provided by JCL is described in the book. Included is a list of JCL services, showing the

publication in which each is described, and the parameter, subparameter, or statement used to request it. JCL parameters are discussed only in the context of requesting services. Complete parameter descriptions and syntax rules are in the Companion book. OS/VS1 JCL Reference, GC24-5099. Manual, 130 pages
//36//5741

GC24-5101

OS/VS IBM 3886 OPTICAL CHARACTER READER MODEL 1 REFERENCE

This publication is to be used as a reference book by system managers, application programmers, and system programmers. Included are descriptions of the Operating System/Virtual Storage 1 (OS/VS1) and the Operating System/Virtual Storage 2 (OS/VS2) support for the IBM 3886 under the Basic Sequential Access Method (BSAM).

Manual, 56 pages
//30//3886/5741,5742,5752

GC24-5102

OS/VS1 RELEASE 2.6 GUIDE

This publication provides a summary of changes to release 2 of the OS/VS1 SCP (Operating System/Virtual Storage Option 1 System Control Program). It provides installation managers, system programmers, and IBM field engineering personnel with information useful in planning for and implementing release 2.6. The publication is in four parts:

Part 1 contains a functional summary of new and changed features of OS/VS1 for release 2. This includes new hardware support, new and changed software support, system generation information, and publications support.

Part 2 contains a functional summary of new and changed features of OS/VS1 for release 2.6. This includes VSAM, DSS, programming notes and documentation notes.

Part 3 contains ordering and distribution procedures and requirements for release 2.6. This includes program material shipped with the system and optional material available.

Part 4 contains APAR lists, PTFs (Program Temporary Fixes) resolved, hardware engineering change levels, and publications support, all pertaining to release 2.6.

Manual, 68 pages
//34//5741

GC24-5103

OS/VS1 SUPERVISOR SERVICES AND MACRO INSTRUCTIONS

This book describes how to use the services of the OS/VS1 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.

Manual, 240 pages
//36//5741

GC24-5104

OS/VS1 MASTER INDEX OF SL PUBLICATIONS

The Master Index is a consolidation of the indexes of the system library publications of OS/VS1.

Items are listed alphabetically and refer to the manual that contains the original index entry. By going to the referenced manual's index, the page number of the item can be found.

This manual is also available in microfiche, order number GCB4-5104-1.

Manual, 464 pages (5/75)
//20//5741

GC24-5109

OS/VS DISKETTE COPY PROGRAMMING SUPPORT REFERENCE MANUAL, SCP 5744-BJ1,5744-BL1

This publication provides programming and operator information necessary for the installation and use of the OS/VS Diskette Copy Programming Support.

Manual, 20 pages
//30//5744-BJ1,5744-BL1

GC24-5110

OS/VS1 IBM 3540 PROGRAMMER'S REFERENCE

This manual contains information concerning the OS/VS1 support of the IBM 3540. Reader procedures, writer procedures, and the Diskette Maintenance utility are documented. It is primarily written for application programmers and system programmers, but contains information of interest to operators and installation management.

Manual, 35 pages
//30//3540/5741

GC24-5111

OS/VS2 IBM 3540 PROGRAMMER'S REFERENCE

This manual contains information concerning the OS/VS2 support of the IBM 3540. Reader procedures, writer procedures, reader/writer utilities, and the Diskette Maintenance Utility are documented. It is primarily written for application programmers and system programmers, but contains

information of interest to operators and installation management.
Manual, 35 pages
//30//3540/5752

GC24-5113

OS/VS1 RELEASE 4 GUIDE

Describes the ordering and distribution procedures, special considerations, and change activity of Release 4 of the OS/VS1 SCP (Operating System/Virtual Storage Option 1 System Control Program). It provides installation managers, system programmers, and IBM Field Engineering personnel with information useful in planning for, and implementing, this release.

The three chapters of this publication contain:

1. A functional summary of features available and devices supported in this release and special considerations for generating and running this release.
2. Ordering and distribution procedures for this release, including program material shipped with the system and optional material available.
3. A summary of change activity to the system, including APARs, PTFs resolved, engineering change levels, and publications.

Manual, 46 pages
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GC24-5114

OS/VS1 RELEASE 5 GUIDE

Describes the ordering and distribution procedures, special considerations, and change activity of Release 5 of the OS/VS1 SCP (Operating System/Virtual Storage Option 1 System Control Program). It provides installation managers, system programmers, and IBM Field Engineering personnel with information useful in planning for, and implementing this release.

The three chapters of this publication contain:

1. A functional summary of features available and devices supported in this release and special considerations for generating and running this release.
2. Ordering and distribution procedures for this release, including program material shipped with the system and optional material available.
3. A summary of change activity to the system, including APARs, PTFs resolved, engineering change levels, and publications.

Manual, 40 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

GC24-5115

OS/VS1 SYSTEM MANAGEMENT FACILITIES (SMF)

This publication assists installation managers and system programmers in planning for, installing, and using System Management Facilities (SMF). SMF collects and records accounting, data set, subsystem, system and volume information. It also has exits that can link to user-written routines for monitoring a job or job step.

This publication describes the basic SMF functions and the relationship of SMF to the operating system and to user-written exit routines. It also explains:

- How to include SMF and user-written exit routines in the operating system.
- The additional storage required by SMF.
- How to switch and dump the SMF data sets.
- How to plan, write and test exit routines.
- When each SMF record is written and the information contained in each record.

Manual
//34//5741

GC24-5116

OS/VS1 RELEASE 6 GUIDE

Describes the ordering and distribution procedures, special considerations, and change activity of Release 6 of the OS/VS1 SCP (Operating System/Virtual Storage Option 1 System Control Program). It provides installation managers, system programmers, and IBM Field Engineering personnel with information useful in planning for, and implementing this release.

The three chapters of this publication contain:

1. A functional summary of features available and devices supported in this release and special considerations for generating and running this release.
2. Ordering and distribution procedures for this release, including program material shipped with the system and optional material available.
3. A summary of change activity to the system, including APARs, PTFs resolved, engineering change levels, and publications.

Manual, 44 pgs, 11/76
//34//5741

GC24-5122

VECTOR PROCESSING SUBSYSTEM (VPSS) PLANNING GUIDE FOR OS/VS1 AND OS/VS2 MVS

This planning guide is for data processing managers, system programmers, and application programmers. It briefly describes the IBM 3838 Array Processor and describes in general terms the programming support provided under OS/VS1 and OS/VS2 MVS. The book is for planning only. The

functions and capabilities described reflect current information.
Manual, 8 1/2 x 11 inches, 40 pgs, 2/77
/////

SC24-5149

ADVANCED FUNCTIONS - DOS/VS RELEASE 34 SUPPLEMENT TO DOS/VS SUPERVISOR AND I/O MACROS, GC33-5373-5 LIC PROG 5746-XE2

This supplement contains changed pages to DOS/VS Supervisor and I/O Macros, GC33-5373-5, for Advanced Functions - DOS/VS, Release 34. It describes the use and format of the CP CLOSE macro, used to issue a CP CLOSE command to VM/370 in order to release a print or punch file for output.
Manual, 8 1/2 x 11 inches, 12 pgs, 4/77
/////5746-XE2

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
360,370//21/OS,OTSO,OASP,CALL//

GC26-3735

OS ASSEMBLER H, PROG. PROD. 5734-AS1 DESIGN OBJECTIVES

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
360,370//21/OS,OTSO,OASP,CALL//

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
/////5734-CP2

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
/////5734-AS1

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
/////5734-AS1

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
 ////5734-AS1

system generation, on I/O device generation, and a JES2 generation

- o The types of system generation and JES2 generation messages produced during processing

In using this publication, a knowledge of the information contained in the following publications is required:

- Introduction to OS/VS2 Release 2, GC28-0661
- OS/VS2 Planning Guide for Release 2, GC28-0667
- OS/VS2 Release 2 Guide, GC28-0671

Manual, 250 pages
 //34///

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
 ////5734-AS1

GC26-3795

OS/VS TAPE LABELS

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, 140 pages
 //30///5741

GC26-3813

OS/VS LINKAGE EDITOR AND LOADER

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, 195 pages
 //31///5741

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
 ////5734-AS1

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
- IBM System/360 System Summary, GA22-7001
- OS/VS1 Storage Estimates, GC24-5094.

Manual, 242 pages
 //34///5741

GC26-3819

OS/VS VIRTUAL STORAGE ACCESS METHOD (VSAM) OPTIONS FOR ADVANCED APPLICATIONS

This publication is intended for system programmers who develop utility programs and system control programs using OS/VS VSAM.

VSAM is an access method for use with direct-access storage devices. It provides macros for gaining access to data. Its companion service program, Access Method Services, provides commands for working with data sets and catalogs.

This publication explains options of OS/VS VSAM for advanced applications in system programming. It tells how to gain access to the contents of a control interval instead of to individual data records; how to process the records of a VSAM index; and how to build the parameter lists of the GENCB, MODCB, SHOWCB, and TESTCB macros.

Prerequisite publication: OS/VS Virtual Storage Access Method (VSAM) Programmer's Guide, GC26-3838.

Manual, 30 pages
 //30///5741

GC26-3792

OS/VS2 SYSTEM GENERATION REFERENCE

This publication is intended for system programmers who are to plan for and install an OS/VS2 system control program and a JES2 job entry subsystem.

This publication contains the information necessary to:

- o Plan for an OS/VS2 system control program and a JES2 job entry subsystem
- o Prepare for system generation and JES2 generation
- o Perform a system generation and a JES2 generation
- o Restart system generation if errors occur
- o Test the newly installed OS/VS2 system control program

In addition, this publication contains:

- o Guidelines for performing a system generation using a starter system
- o The information needed to generate JES2 multi-leaving remote terminal processor programs for job entry from remote terminals
- o Examples of parameter specifications for a complete

GC26-3829

INTRODUCING THE IBM 3800 PRINTING SUBSYSTEM AND ITS PROGRAMMING

The IBM 3800 Printing Subsystem is a non-impact, high-speed, general-purpose system printer that uses an electrophotographic process to print on single-ply computer output paper. This book briefly introduces the 3800 and its programming support. The intended audience is data-processing installation managers and system analysts planning for the 3800, and others seeking an introduction to it.

New functions available with the 3800 include:

- o Printing with any two (or any four if optional character generation storage is added) of 18 different character sets intermixed for the same data set, and the ability to change these character sets between data sets without operator intervention. Character sets are available in 10, 12, and 15 pitch.
- o Printing with a vertical line spacing of either six or eight lines per inch, or an intermix of both on the same

page.

- o Multiple copies can be printed on single-ply paper under program control.
 - o Forms overlay permits printing of specialized forms as data is being printed.
 - o Copy modification permits changing or suppressing printing of selected data from copy to copy when multiple copies are being printed.
 - o Graphic character modification allows the substitution or extension of graphic characters in an already-defined character set.
- Manual, 40 pages
//03//3800/

GC26-3830

OS/VS2 SYSTEM PROGRAMMING LIBRARY: DATA MANAGEMENT

This book provides information on how to modify and extend the data management capabilities of the OS/VS2 system control program; the intended audience is system programmers.

Some topics included are:

- o Using catalog management macro instructions
 - o Maintaining the volume table of contents
 - o Executing your own channel programs
 - o Using XDAP to read from and write to direct-access devices
 - o Password protecting your data sets
- example, access method services, job control language, utility programs, access method routines) to do each of the example, access-method services, job control language, utility programs, access-method routines) to do each of the preceding. The information presented in this book (consisting of macro specifications and how to information) is intended to allow a flexible use of the data management capabilities of OS/VS2.

Other topics presented are:

- o Using system macro instructions to refer to, validate, and modify system control blocks
- o Adding to the image library and retrieving FCB images

Readers are expected to understand how to:

- o Code programs in assembler language as described in OS/VS and DOS/VS Assembler Language, GC33-4010
- o Use the standard linkage conventions as described in OS/VS2 Supervisor Services and Macro Instructions, GC28-0683.
- o Maintain the Catalog and VTOC as described in OS/VS Access Method Services, GC26-3836, OS/VS Utilities, GC35-0005, and OS/VS Data Management Services Guide, GC26-3783.
- o Use the access method to do input/output using the data management macros as described in OS/VS Data Management Services Guide, GC26-3783, and OS/VS Data Management Macro Instructions, GC26-3793.
- o Protect data sets as described under "IEHPRGM" in OS/VS Utilities, GC35-0005.

Manual, 116 pages
//30//5752

GC26-3835

OS/VS VIRTUAL STORAGE ACCESS METHOD (VSAM) SYSTEM INFORMATION

This publication provides information on the release of OS/VS Virtual Storage Access Method (VSAM) as an independent component of OS/VS1, Release 2, and OS/VS2, Release 1.6. This publication describes the OS/VS VSAM distribution tape, provides detailed information on the installation of OS/VS VSAM, and provides information that temporarily supplements other OS/VS publications.

This publication is directed to system programmers who are responsible for installing and maintaining OS/VS VSAM and to application programmers who are using OS/VS VSAM.

The following publications are required for use with this publication:

- o OS/VS Virtual Storage Access Method (VSAM) Programmer's Guide, GC26-3818, which provides a complete description of the macro instructions used to code a program to process a VSAM data set.
- o OS/VS Access Method Services, GC35-0009, which provides a complete description of commands used to define, delete, load, and alter a VSAM data set.

Manual, 120 pages
//30//5741,5742

GC26-3837

OS/VS1 DATA MANAGEMENT FOR SYSTEM PROGRAMMERS

Provides information on how to modify and extend the data management capabilities of the OS/VS1 system control program; the intended audience is system programmers. Some topics included are:

- o Maintaining the system catalog
- o Maintaining the Volume Table of Contents
- o Executing Your Own Channel Programs
- o Using XDAP to Read from and Write to Direct-Access Devices
- o Password Protecting Your Data Sets

The OS/VS1 system control program provides simpler ways (for example, job control language, utility programs, access method routines) to do each of the preceding. The information presented in this book (consisting of macro

specifications and how-to information) is intended to provide greater flexibility of implementation methods.

Other topics presented are:

- o Using system macro instructions to refer to, validate, and modify system control blocks
- o Adding a UCS image or FCB image to the system image library

This book makes reference to the DEB validity checking (DEBCHK) macro instruction and the authorized program. Readers are expected to understand how to:

- o Code programs in assembler language as described in OS/VS and DOS/VS Assembler Language, GC33-4010
- o Use the standard linkage conventions as described in OS/VS1 Supervisor Services and Macro Instructions, GC24-5103.
- o Maintain the catalog and VTOC as described in OS/VS1 JCL Services, GC24-5100, OS/VS Utilities GC35-0005 and OS/VS Data Management Services Guide, GC26-3783.
- o Use the access method to do input/output using the data management macros as described in OS/VS Data Management Services Guide, GC26-3783 and OS/VS Data Management Macro Instructions, GC26-3793.
- o Protect data sets as described under "IEHPRGM" in OS/VS Utilities, GC35-0005.

Manual, 124 pages
//30//5741

GC26-3838

OS/VS VIRTUAL STORAGE ACCESS METHOD (VSAM) PROGRAMMER'S GUIDE

This publication is intended for system and application programmers who use OS/VS VSAM with assembler language. It is also intended for higher level language programmers who want to convert indexed-sequential data sets to VSAM's format and to use ISAM interface.

VSAM is an access method for use with direct-access storage devices. It provides macros for gaining access to data. Its companion service program, Access Method Services, provides commands for working with data sets and catalogs.

This publication introduces programmers to OS/VS VSAM, guides them in using it, and serves as a reference. It tells how to code programs to gain access to data stored in VSAM format. Prerequisite publications:

- OS/VS Data Management Services Guide, GC26-3783
- OS/VS1 JCL Reference, GC24-5099
- OS/VS2 JCL, GC28-0692

Manual, 125 pages
//30//5741

GC26-3840

OS/VS1 ACCESS METHOD SERVICES

This publication is intended for system and application programmers who want to establish and maintain VSAM data sets using OS/VS1 Access Method Services

Access Method Services is a multifunction service program that allows you to define data sets, alternate indexes, and catalogs, to alter or delete catalog entries, to copy and print data sets, to make a data set or catalog portable between systems, and to provide for catalog recovery.

This publication introduces programmers to Access Method Services, guides them in using it, and serves as a reference. It also provides the background information about VSAM that is required to make effective use of Access Method Services. It tells how to code Access Method Services commands to establish and maintain data sets. It also provides general information about how to optimize VSAM's performance and how to use VSAM's security and integrity features through the values specified in Access Method Services commands.

- Prerequisite publications:
- OS/VS Virtual Storage Access Method (VSAM) Programmer's Guide, GC26-3838
 - OS/VS Data Management Services Guide, GC26-3783
 - OS/VS1 JCL Reference, GC24-5099
 - OS/VS1 System Generation Reference, GC26-3791
 - Operator's Library: OS/VS1 Reference, GC38-0110

Manual, 290 pages
//30//5741

GC26-3841

OS/VS2 ACCESS METHOD SERVICES

This publication applies to release 3 and is intended for system and application programmers who want to establish and maintain VSAM data sets using Access Method Services.

Access Method Services is a multifunction service program that allows you to define data sets and catalogs, to list catalogs, to alter or delete catalog entries, to copy and print data sets, to unload and reload catalogs for back-up, to make a data set or catalog portable between systems, to convert OS catalog entries into entries in an existing VSAM catalog in a VS2 system, and to list tape volumes that were mounted at the time of a checkpoint.

This publication introduces programmers to Access Method Services, guides them in using it, and serves as a reference. It also provides the background information about VSAM that is required to make effective use of Access Method Services. It tells how to code Access Method Services commands to establish and maintain data sets. It also provides general information about how to optimize VSAM's performance and how to use VSAM's security and integrity features through the values specified in Access Method Services commands.

Prerequisite publications:

OS/VS Virtual Storage Access Method (VSAM) Programmer's Guide, GC26-3838
 OS/VS Data Management Services Guide, GC26-3783
 OS/VS2 JCL, GC28-0692
 OS/VS2 System programming Library: System Generation Reference, GC26-3792
 Operator's Library: OS/VS2 Reference (JES2), GC38-0210 Manual, 290 pages
 //30///5752

GC26-3842

PLANNING FOR ENHANCED VSAM UNDER OS/VS
 VSAM (Virtual Storage Access Method) is an access method of OS/VS (Operating System/Virtual Storage). This book enables prospective users to prepare for VSAM and describes for current users the enhanced functions and capabilities that improve VSAM's performance and make it a more versatile access method for a wider range of applications.

The intended audience is data processing managers whose decisions will influence the use of VSAM, system and application programmers who will use VSAM in new and existing programs, 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 distinctions between data set organization and data set processing. Appropriate sections of OS/VS Data Management Services Guide, GC26-3783, are suitable for preparatory reading.

Manual, 100 pages
 //30///5752,5741

GC26-3845

OS/VS2 ENHANCED VSAM SYSTEM INFORMATION OS/VS2 ENHANCED VSAM ICR

This publication provides information on the release of OS/VS2 Enhanced Virtual Storage Access Method (VSAM) as an independent component release of OS/VS2, Release 3; the publication does not apply to VSAM support that is integral to Release 3.

This publication describes the OS/VS2 Enhanced VSAM distribution tape, provides detailed information on the installation of OS/VS2 Enhanced VSAM, and provides information that temporarily supplements other OS/VS publications.

This publication is directed to system programmers who are responsible for installing and maintaining OS/VS2 Enhanced VSAM and to application programmers who are using OS/VS2 Enhanced VSAM.

The following publications are required for use with this publication:

- o OS/VS Virtual Storage Access Method *VSAM) Programmer's Guide, GC26-3838, which provides a complete description of the macro instructions used to code a program and to process an Enhanced VSAM data set.
- o OS/VS2 Independent Component: Access Method Services, GC26-3843, which provides a complete description of commands used to define, delete, load, and alter an Enhanced VSAM data sets.

This publication supplements the information in:

- o OS/VS System Programming Library: Storage Estimates, GC28-0604.
- o OS/VS System Management Facilities (SMF), GC35-0004

Manual, 80 pages
 //30///5752

GC26-3846

IBM 3800 PRINTING SUBSYSTEM PROGRAMMER'S GUIDE

This book provides:

- o Planning and conversion information for the IBM 3800 Printing Subsystem. The intended audience is data-processing managers, system planners, and system programmers planning to incorporate a 3800 into computer installations.
- o Information on how to use the 3800. This is intended for application programmers and system programmers who will be using the 3800 Printing Subsystem.

There is no prerequisite reading for this publication, although a basic knowledge of computers and system printers is assumed.

Manual, 148 pages, 12/75
 //30//3800/5741,5752

GC26-3847

APL LANGUAGE REFERENCE, PROG PROD 5748-AP1

This publication is a language reference for users of the APL language. The system under which the APL language is provided are VS APL (Program Number 5748-AP1), APL Shared Variables (Program Number 5740-XM4), and the IBM 5100 Portable Computer, Models A and C. APL is an interactive, general-purpose programming language designed for use in many disciplines and applications. Differences among the APL systems served by this manual--such as reading and writing data sets and using the auxiliary processors provided with each system--are provided in APL Shared Variables (APLSV) Version 3 User's Guide, SH20-9087, VS APL for CMS: Terminal User's Guide, SH20-9067, IBM 5100 APL Reference Manual, SA21-9213, and VS APL for VSPC: Terminal User's Guide, SH20-9006.

Manual, 112 pages, 7/76
 //30///5740-XM4

GC26-3855

OS/VS AND DOS/VS ANALYSIS PROGRAM-1 (AP-1)USER'S GUIDE

This publication is intended for operators whose systems include the IBM 3344 or IBM 3350 Direct-Access Storage. The material introduces operators and programmers to Analysis Program-1 (AP-1), its operating procedures, and its output. The material is presented in general terms and assumes that the reader knows how to operate his computer system.

AP-1 is a utility program for use with the 3344 and 3350. AP-1 examines the drive and the user's data to determine if there are errors. When AP-1 detects an error, it prints a message to the operator and prints diagnostic information on the system's printer.

Manual, 3/76
 //32//3344,3350/5741,5752,5745,5742

GC26-3856

OS/VS2 SVS INDEPENDENT COMPONENT: IBM 3350 & 3340/3344 REFERENCE

This book describes the OS/VS Release 1.7 SVS Independent Component Release (ICR) to support the IBM 3350 and 3340/3344 Direct Access Storage (Program number 5742-017). It is published instead of a series of Technical Newsletters (TNIs) to the OS/VS2 SVS library. The book will help system programmers install the ICR, convert data for use with the 3350 or 3340/3344, initialize volumes for storing data on these devices, and code and debug programs that process data stored on these devices. It also includes information to help an operator run an SVS system that includes this ICR.

Required publications are: Reference Manual for IBM 3350 Direct Access Storage, GA26-1638, Reference Manual for IBM 3340/3344 Disk Storage, GA26-1619, 3340/3344 Installation and Conversion Guide, GC20-1780, and OS/VS System Modification Program (SMP), GC28-0673.

Manual, 4 pages, 6/76
 //30//3350,3340,3344/5742

GC26-3857

IBM VS COBOL FOR OS/VS: OS/VS COBOL PROG PROD 5740-CB1, 5740-LM1

Gives the programmer the rules for writing COBOL source programs to be compiled by the IBM Program Product OS/VS COBOL Compiler Under OS/VS. It is meant to be used as a reference manual in the writing of OS/VS COBOL source programs.

This document explains COBOL's origins, standards, versions and extensions.

Manual, 450 pgs, 9/76
 //30//5740-CB1,5740-LM1

GC26-3858

OS/VS2 SVS INDEPENDENT COMPONENT: IBM 3800 PRINTING SUBSYSTEM SYSTEM INFORMATION, SCP 5742-017, FEATURES 5081, 5082, 5470, 5471

This publication provides information about the 3800 Printing Subsystem that is intended for use with the existing system library manuals for OS/VS2 Release 1.7. Each major category of information is presented in a separate chapter so that a specific topic can be found easily.

This publication is intended for installation managers, system programmers, and others planning to install this independent component release on a VS2 SVS system.

Manual, 9/76
 //30//3800/5742

GC26-3859

IBM 3800 PRINTING SUBSYSTEM PROGRAMMER'S GUIDE FOR OS/VS2 SVS, SCP 5742-017 FEATURES 5081, 5082, 5470 AND 5471

This book provides:

- o Planning and conversion information for the IBM 3800 Printing Subsystem. The intended audience is data-processing managers, system managers, system planners, and system programmers planning to incorporate a 3800 into an OS/VS2 SVS system.
- o Information on how to use the 3800. This is intended for application programmers and system programmers who will be using the 3800 Printing Subsystem.

There is no prerequisite reading for this publication, although a basic knowledge of computers and system printers is assumed.

Manual, 148 pages, 9/76
 //30//3800/5742

GC26-3860

OS/VS2 MVS 3800 PRINTING SUBSYSTEM SELECTABLE UNIT SYSTEM INFORMATION, SUID 5752-810

This system information manual contains general information about the IBM 3800 Printing Subsystem selectable unit, VS2.03.810, for installation under Release 3.7 of OS/VS2 MVS. The information is for installation managers, system programmers, and others planning to incorporate 3800 Printing Subsystem support into a VS2 MVS system.

Manual, 24 pages, 5/76
 //30///5752-810

GC26-3861

OS/VS2 MVS DATA MANAGEMENT SELECTABLE UNIT SYSTEM INFORMATION, SUID 5752-808

This system information manual contains general information about the Data Management Selectable Unit, VS2.03.808, for

installation under Release 3.7 of OS/VS2 MVS. The information is for installation managers, system programmers, and others planning to incorporate the Data Management Selectable Unit into a VS2 MVS system. Manual, 16 pgs, 7/76
 //30//5752-808

GC26-3864

OS/VS2 MVS CVOL PROCESSOR

This publication is intended for the systems programmer installing OS/VS2 MVS. The CVOL Processor is supplied to lessen your installation considerations when using OS/VS2 MVS.

This book describes (1) the purpose and functions supported by the CVOL Processor, (2) how to use the CVOL Processor, and (3) restrictions and limitations of the CVOL Processor.

Manual, 28 pages, 7/76
 //30//5752-808

GC26-3867

OS/VS2 SVS INDEPENDENT COMPONENT: ACCESS METHOD SERVICES

This publication is intended for system and application programmers who want to establish and maintain VSAM data sets using Access Method Services. The version of VSAM supported is Enhanced VSAM for OS/VS2 Release 1.7 (SVS).

Access Method Services is a multifunction service program providing a wide range of functions. It allows you to define data sets and catalogs, to list catalogs, to alter or delete catalog entries, to copy and print data sets, to unload and reload catalogs for backup, to make a data set portable between systems, to create alternate indexes, to recover damaged catalogs and VSAM data sets and to list tape volumes that were mounted at the time of a checkpoint.

This publication introduces programmers to Access Method Services, guides them in using it, and serves as a reference. It tells how to code Access Method Services commands to establish and maintain VSAM data sets. It also shows how to use VSAM's security and integrity features through the values specified in Access Method Services command.

Manual, 8 1/2 x 11 inches, 444 pgs, 2/77
 //30//5742

GC26-3868

OS/VS2 SVS INDEPENDENT COMPONENT: VIRTUAL STORAGE ACCESS METHOD (VSAM) PROGRAMMER'S GUIDE

This publication is intended for system and application programmers who use VSAM with assembler language programs. The version of VSAM supported is Enhanced VSAM operating with OS/VS2 Release 1.7 (SVS). It is also intended for higher-level language programmers who want to convert indexed-sequential (ISAM) data sets to VSAM's data format and to use the ISAM interface to access the data sets.

VSAM is an access method for use with direct-access storage devices. It provides macros for gaining access to data stored in VSAM format. Its companion service program, Access Method Services, provides commands for working with data sets and catalogs.

This publication introduces programmers to OS/VS2 SVS VSAM, guides them in using it, and serves as a reference. It tells how to code programs to gain access to data stored in VSAM format.

Prerequisite publications:
 OS/VS Data Management Services Guide, GT26-3783
 OS/VS1 JCL Services, GT00-0141

OS/VS JCL Reference, GT26-0618
 OS/VS2 SVS Independent Component: Planning for Enhanced VSAM, GC26-3869

OS/VS2 SVS Independent Component: Access Method Services, GC26-3867

Manual, 8 1/2 x 11 inches, 262 pages, 2/77
 //30//5742

GC26-3869

OS/VS2 SVS INDEPENDENT COMPONENT: PLANNING FOR ENHANCED VSAM

This book enables prospective users to prepare for VSAM, and describes for current users the enhanced functions and capabilities that improve VSAM's performance and makes it a more versatile access method for a wider range of applications.

Manual, 115 pgs.; 1/77
 //30//5742

GC26-3870

OS/VS2 SVS INDEPENDENT COMPONENT: VSAM OPTIONS FOR ADVANCED APPLICATIONS

This publication is intended for system programmers who develop utility programs and system control programs using OS/VS2 Release 1.7 (SVS) VSAM.

VSAM is an access method for use with direct-access storage devices. It provides macros for gaining access to data stored in the VSAM format. Its companion service program, Access Method Services, provides commands for working with data sets and catalogs.

This publication explains options of OS/VS2 SVS VSAM for advanced applications in system programming. It tells how to gain access to the contents of a control interval; how to process the records of a VSAM index; how to build the parameter lists of the GENCB, MODCB, SHOWCB, and TESTCB

macros; and how to share buffers used by the same program among different data sets. Prerequisite publication: OS/VS2 SVS Independent Component: Virtual Storage Access Method (VSAM) Programmer's Guide, GC26-3868. Manual, 8 1/2 x 11 inches, 76 pages, 1/77
 //30//5742

GC26-3872

OS/VS1 DATA MANAGEMENT MACRO INSTRUCTIONS

This publication contains descriptions and definitions for the data management macro instructions, other than those of VSAM (virtual storage access method), available in the assembler language. It provides application and system programmers with the necessary information to code the macro instructions.

This publication is divided into these parts:

- o "Introduction," which contains a general description of macro instructions, the rules to be followed when macro instructions are coded, and a description of the notational conventions used throughout the publication.
- o "Macro Instruction Descriptions," which describes the function of each macro instruction and defines how each macro instruction is to be coded.
- o Appendix A: Status Information Following an Input/Output Operation.
- o Appendix B: Data Management Macro Instructions Available by Access Method.
- o Appendix C: Device Capacities.
- o Appendix D: DCB Exit List Format and Contents.
- o Appendix E: Control Characters.
- o Appendix F: Data Control Block Symbolic Field Names.
- o Appendix G: Event Control Block.
- o Appendix H: PDADB Symbolic Field Names.
- o Index, which provides topic references to information in this book.

Prerequisite Publications

Before coding data management macro instructions, you should be familiar with the information in the following publications:

- o OS/VS-DOS/VS-VM/370 Assembler Language, GC33-4010
- o OS/VS1 Data Management Services Guide, GC26-3874
- o OS/VS1 Supervisor Services and Macro Instructions, GC24-5103

Manual, 240 pages, 8/76
 //30//5741

GC26-3874

OS/VS1 DATA MANAGEMENT SERVICES GUIDE

This book describes the services provided by the operating system that allow the programmer to organize data into data sets on auxiliary storage devices, to read information from these data sets into virtual storage, and, after processing the information, to record it on auxiliary storage devices.

This book is intended for application programmers who write assembler language programs that create and process data sets. It describes the assembler language macro instructions used to request input and output operations. The format of the macro instructions is explained in OS/VS1 Data Management Macro Instructions, GC26-3872, which should be used with this book.

In addition to describing the characteristics of data sets and direct-access storage devices, the book describes the techniques you can use to process sequential, partitioned, indexed sequential, and direct data sets. This book assumes that you have a basic knowledge of the operating system and of the assembler language. Some books that contain information about these subjects are OS/VS1 Planning and Use Guide, GC24-5090, IBM System/370 System Summary, GA22-7001. It also assumes that you are familiar with job control language, especially the DD statement, as described in OS/VS1 JCL Services, GC24-5100, and in OS/VS1 JCL Reference, GC24-5099.

This book does not discuss macro instructions used for the time sharing option or for graphics, teleprocessing, optical character readers, optical reader-sorters, magnetic character readers, or VSAM. These macro instructions are discussed in separate publications that are listed in the IBM System/370 Bibliography, GC20-0001.

Manual, 167 pages, 9/76
 //30//5741

GC26-3876

OS/VS1 CHECKPOINT/RESTART

This publication describes Checkpoint/Restart, a technique 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. It 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 publication.

Manual, 88 pages, 9/76

//36//5741
 //36//5741

GC26-3877

OS/VS2 MVS CHECKPOINT/RESTART

This publication describes Checkpoint/Restart, a technique 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 of 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.
Manual, 84 pages
//36///5752

that use VTAM. The primary purposes of this publication are to:

- Provide information that enables the reader to use VTAM debugging aids to determine where the cause of a failure lies.
- Summarize serviceability aids described in other publications and tell the reader where to find detailed descriptions of these aids.

Manual, 200 pages (11/75)
/C/30///5741

GC26-3879

OS/VS2 MVS 3800 PRINTING SUBSYSTEM 12 LINES PER INCH SELECTABLE UNIT SYSTEM INFORMATION, SUID 5752 848
This publication contains a general description of the OS/VS2 MVS IBM 3800 Printing Subsystem 12 Lines per Inch selectable unit (VS2.03.848).

It is intended for installation managers, system programmers, and others planning to install this selectable unit on a VS2 MVS system.
Manual, 15 pages, 9/76
/////5752-848

GC26-3880

OS/VS2 SVS INDEPENDENT COMPONENT: MASS STORAGE SYSTEM (MSS) REFERENCE

This publication is intended to guide the SVS user to existing reference publications for SVS and MSS. It serves (1) as an addition to the current SVS Systems Reference Library publications and (2) as a supplement to the description of MSS in the current MSS Systems Reference Library publications. It is to be used in conjunction with other SVS and MSS publications.
Manual, 12/76
//30//3850,3851/5742

GC26-3885

OS/VS2 MVS JES3 3850 MSS SELECTABLE UNIT: DATA MANAGEMENT - SUPPLEMENT SUID 5752-818

This System Library Supplement provides replacement pages for OS/VS2 System Programming Library: Data Management, GC26-3830-2, to support the JES 3 3850 MSS Selectable Unit (SU18).
Manual, 8 1/2 x 11 inches, 15 pgs, 3/77
/////5752-818

GC26-3898

OS/VS2 MVS ATTACHED PROCESSOR SYSTEM FOR MODELS 158/168, SELECTABLE UNIT SUPPLEMENT, SUID 5752-847

This System Library Supplement provides Replacement pages for OS/VS2 System Programming Library: System Generation Reference, GC26-3792-5, to Support the Attached Processor System for Models 158/168 Selectable Unit (SU47).
Manual, 8 1/2 x 11 inches, 36 pgs, 4/77
/////5752-847

GC27-0011

SUPPLEMENT TO DOS/VS REL 32 PUBLICATIONS FOR RUNNING THE BATCH TRANSFER PROGRAM (BTP) AS A SUBTASK OF VTAM

Describes changes to current VTAM and DOS/VS system publications when running the Batch Transfer Program (BTP) as a VTAM Subtask in DOS/VS Release 32. It is intended for system engineers and IBM Systems engineers.
Manual, 10 pages, 6/76
/C/30///5745

GC27-0017

IBM 3790 COMMUNICATION SYSTEM: HOST SERVICES GUIDE SCP'S 5747-BQ1, 5744-BZ1, -BZ2

This manual provides information on validating and testing 3790 programs with the 3790 Program Validation Services (PVS) and on transmitting 3790 programs to a 3791 controller with the Subsystem Support Service (SSS). This manual is for application programmers who write and test 3790 programs at a host system and transmit them to a 3791 controller.
Manual, 104 pages
/////

GC27-0021

DOS/VS VTAM DEBUGGING GUIDE

This publication describes an approach to debugging and presents the guidelines, tools, and information needed to assist program systems representatives and system programmers who maintain systems and application programs that use VTAM. The primary purposes of this publication are to:

- Provide information that enable the reader to use VTAM debugging aids to determine where the cause of a failure lies.
- Summarize serviceability aids describes in other publications and tell the reader where to find detailed descriptions of these aids.

Manual, 200 pages, 8/75
/C/30///5745

GC27-0022

OS/VS1 VTAM (LEVEL 2) DEBUGGING GUIDE

This publication describes an approach to debugging and presents the guidelines, tools, and information needed to assist program systems representatives and system programmers who maintain systems and application programs

GC27-0023

OS/VS2 MVS VTAM (LEVEL 2) DEBUGGING GUIDE

This publication describes an approach to debugging and presents the guidelines, tools, and information needed to assist program systems representatives and system programmers who maintain systems and application programs that use VTAM. The primary purposes of this publication are to:

- Provide information that enables the reader to use VTAM debugging aids to determine where the cause of a failure lies.
- Summarize serviceability aids described in other publications and tell the reader where to find detailed descriptions.

Manual, 200 pages, 1/76
/C/30///5752

GC27-0025

DOS/VS VTAM NETWORK OPERATING PROCEDURES

This publication is a reference manual for system operators who run a VTAM network. It is also a guide for system programmers who must supply operator's with the detailed information they need to run the VTAM network.

The publication provides an introduction to operating VTAM (Chapter 1), describes the fundamentals of VTAM commands and messages (Chapter 2), and explains the use of commands in performing particular operations (Chapters 3-7). The commands are presented on the basis of function and the network elements they act upon. Command formats can be found either where the command is first discussed or in Appendix D, which summarizes the commands and their functions.
Manual, 100 pages (8/75)
/C/30///5745

GC27-0027

OS/VS VTAM (LEVEL 2) NETWORK OPERATING PROCEDURES

This publication is a reference manual for system operators who run a VTAM network. It is also a guide for system programmers who must supply operators with the information needed to run the VTAM network.

The publication provides an introduction to operating VTAM (Chapter 1), describes the fundamentals of VTAM commands and messages (Chapter 2), and explains the use of commands in performing particular operations (Chapters 3-7). The commands are presented on the basis of function and the network elements they act on. Command formats can be found either where the command is first discussed or in Appendix D, which summarizes the commands and their functions.
Manual, 100 pages, 11/75
/C/30///5741,5752

GC27-0036

SUPPLEMENT TO THE VTAM (LEVEL 2) MACRO LANGUAGE GUIDE FOR THE PROGRAM OPERATOR: VS1 REL 5; MVS; WITH GN27-1546, VS1 REL 6; MVS; SVS REL 1.7; DOS/VS REL 33

This book describes how to write the program operator portion of a VTAM application program. It supplements the information on writing VTAM application programs contained in VTAM Macro Language Guide, GC27-6994. The primary audience for this book is the VTAM application programmer who is writing a program operator application program. The secondary audience is the system programmer who requires background information for planning and maintaining a VTAM network.
Manual, 70 pages (11/75)
/C/30///5741,5745,5752,5742

GC27-0038

OS/VS2 MVS VTAM2 SELECTABLE UNIT SYSTEM INFORMATION, SUID 5752-801

No abstract available.
Manual, 20 pages
/////5752-801

GC27-0043

OS/VS1 REL 4 VTAM (LEVEL 1.1) DEBUGGING GUIDE

No abstract available.
Manual, 140 pages
/C/30///5741

GC27-0046

OS/VS2 MVS TSO/VTAM SELECTABLE UNIT SYSTEM INFORMATION, SUID 5752-813

This publication provides information about the component package TSO/VTAM. TSO/VTAM provides the capability of using TSO through VTAM. The publication contains:
• An introduction to TSO/VTAM
• Planning information--terminals supported,

prerequisite programs, storage requirements, load module list

- o An introduction to the installation process
- o Programming considerations--VTAM considerations, TSO considerations, performance notes, differences from TSO through TCAM
- o List of publications that have changed for TSO/VTAM
- o Summary of module changes

This publication is intended for installation managers, system programmers, and IBM support personnel who require general information about TSO/VTAM.
Manual, 20 pages, 5/76
/////5752-813

GC27-0049

OS/VS2 SVS VTAM SYSTEM PROGRAMMER'S GUIDE
This publication is a reference manual for the system programmer who must install and maintain VTAM under OS/VS2 SVS. The reader should be familiar with the overall concepts of VTAM, have planned the network configuration, and have chosen the major VTAM options he wants.
Manual, 276 pages, 6/76
/C/30///5742

GC27-0050

OS/VS2 SVS VTAM DEBUGGING GUIDE
This manual provides an approach to debugging and presents the guidelines, tools, and information needed to assist PSRs and system programmers that use VTAM. The primary purposes of this manual are to provide information that enables the reader to use VTAM debugging aids to determine where the cause of a failure lies and to summarize serviceability aids described in other publications and tell the reader where to find detailed descriptions of these aids.
Prerequisites:

VTAM Concepts and Planning, GC27-6998
OS/VS2 SVS VTAM System Programmer's Guide, GC27-0049
Manual, 150 pages, 6/76
/C/30///5742

GC27-0052

OS/VS2 HASP II VERSION 4 USER'S GUIDE, PROG 370H-TX-001
No abstract available.
Manual, 40 pages
SISS - ORDER NO. SUBSCRIPTION ONLY

GC27-0053

OS/VS2 SVS VTAM COMPONENT RELEASE GUIDE
This publication is intended for installation managers, system programmers and operators responsible for the planning, installation and operation of VTAM under OS/VS2 SVS. It contains changes and additions to OS/VS2 SVS publications as a result of including VTAM in the SVS system. These changes and additions are in the form of VTAM supplements that may be retained in this book or inserted in the appropriate SVS publication for the reader's convenience. Much of the material is devoted to VTAM storage estimated and messages.
Manual, 6/76
/C/30///5742

GC27-6948

7074 OS EMULATOR ON SYSTEM/370 REFERENCE, PROG. NOS. 360C-EU-739, 741 (OS); 5744-AJ1, AK1 (VS1, VS2)
This publication provides information about the IBM 7074 Emulator Program for the IBM System/370 Models 155, 158, 165, and 168. The emulator program is executed as a problem program under control of the MFT, MVT, VS1, or VS2 versions of the operating system. The System/370 Models 155, 158, and 165 must be equipped with the IBM 7074 Compatibility Feature #7117; the Model 168 must be equipped with the Compatibility Feature #7127. Using one of these features, the System/370 can execute programs written on the IBM 7074 Data Processing System. These 7074 programs can be run with little or no reprogramming, mixed with IBM System/360 and System/370 jobs.

Information on machine requirements, considerations for emulation, data formats, generating and executing the program, and communicating with the emulator program is included. For a thorough understanding of this publication, a basic knowledge of IBM System/370, of the operating system, and of the system to be emulated is required.

The information in this publication is intended for those responsible for emulating the IBM 7074 Data Processing System.
Manual, 95 pages
3155,3165,3158,3168//35//7074/

GC27-6952

7080 OS EMULATOR ON MODELS 165/168: REFERENCE, PROG. NOS. 360C-EU-737 (MFT/MVT), 5744-AJ1 (VS1/VS2)

This publication describes the IBM 7080 Emulator Program, an "integrated emulator program: for IBM System/370 Models 165 and 168. The program executes under the MFT, MVT, VS1, or VS2 configuration of the operating system.

The publication contains the information needed to plan for and use the emulator program. The system planner can find information on planning the hardware configuration and generating the emulator. An applications programmer can find information on how the emulator program executes 7080 programs and handles 7080 data. The console operator

can find information on emulator commands and messages for communicating with the emulator program.
Systems Library, 104 pages
3165,3168//35//7080/

SC27-6955

VIDEO/370 USERS GUIDE - PROGRAM PRODUCTS 5734-RC5, 5736-RC3
VIDEO/370 is a computer program that is used to enter information to a computer system and to check the accuracy of that information. This book is intended for the operator who will use the IBM 3277 or 3275 display station as a part of VIDEO/370. Experience with conventional keypunch equipment is helpful but not required. Before using this book, you should be familiar with the basic operation of the display station, as described in Operator's Guide for the IBM 3270 Information Display System, GA22-2742. CICS users may also find helpful the CICS Terminal Operator's Guide, SH20-1044.

This book contains three types of information:
1. General background information
2. Tutorial (how to do it) information
3. Reference information
Manual, 122 pages, 5/75
/////5734-RC5,5736-RC3

GC27-6957

DOS/VS VTAM SYSTEM PROGRAMMER'S GUIDE
This publication is a reference manual for the system programmer who must install and maintain the IBM Virtual Telecommunications Access Method (VTAM) under DOS/VS.

This book does not explain how to define specific IBM Subsystems or IBM database/data-communication programs that operate with VTAM, such as the IBM 3600 Finance Communication System. To get information on how to define those sub-systems, refer to manuals for the particular subsystem.

The book assumes that the reader is familiar with the overall concepts of VTAM, has planned his network configuration, and has chosen the major VTAM options he wants to use. A good way to achieve this familiarity and obtain the background needed to select VTAM options is to read VTAM Concepts and Planning, GC27-6998. Prerequisite Publications: Operator's Library GC27-6997, Guide & Reference Manual, and IBM 3704 and 3705 Communications Controllers (GC30-3008).

This manual is available immediately in Mechanicsburg for planning purposes until VTAM Level 2 is available. Users of this manual for VTAM Level 1.1 should now order by the pseudo order number, GT27-6957-1.
Manual, 200 pages, 8/75
/C/30///5745

SC27-6960

VIDEO/370 SYSTEM INFORMATION MANUAL - PROG. NOS. 5736-RC3 AND 5734-RC5
This manual describes the installation and daily operation of VIDEO/370, a program product for entering data from display stations. The manual describes how to specify editing options, define a teleprocessing configuration, initialize files, design screen formats, extract entered data for application use, and obtain production reports.

The manual is intended primarily for the system programmer -- the person who understands his shop's requirements and will install and tailor VIDEO/370 accordingly. Parts of the manual are also intended for the system console operator, who will run the VIDEO/370 programs and respond to any messages. Supervisory personnel may find useful the material about VIDEO/370's reports program, which produces statistics on entry operator entry operator efficiency.

Manual, 284 pages, 5/75
/////5734-RC5,5736-RC3

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
370//30/OS,OTSO,OASP,CALL/3277,3275/

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
370//30/DOS/3277,3275/

GC27-6971

OS/VS GRAPHIC PROGRAMMING SERVICES (GPS) FOR IBM 2250 DISPLAY UNIT

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
//30//2250/5741,5742,5752

GC27-6972

OS/VS GRAPHIC PROGRAMMING SERVICES (GPS) FOR IBM 2260 DISPLAY STATION (LOCAL ATTACHMENT)

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
//30//2260/5741,5742,5752

GC27-6973

OS/VS GRAPHIC SUBROUTINE PACKAGE (GSP) FOR FORTRAN IV, COBOL, AND PL/I

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 (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.

Manual, 188 pages
//30//2250/5741,5742,5752

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
//30//2250,2260/5741,5742,5752

GC27-6978

DOS VERSION 4 - BASIC TELECOMMUNICATIONS ACCESS METHOD MANUAL - PROGRAM NUMBER 370N-CO-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
370/C/30/DOS//

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
/C/30//5741

GC27-6983

7094 OS EMULATOR ON MODELS 165/168 REFERENCE, PROG 360C-EU-740 (MFT/MVT), 5744-AM1 (VS1/VS2)

This manual describes the IBM 709/7090/7094/7094 II Emulator Program for the IBM System/370 Models 165, 165 II, and 168, 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, MVT, VS1, or VS2 configurations of the operating system. The Model 165 or Model 165 II must be equipped with the IBM Compatibility Feature #7119. The Compatibility Feature for the Model 168 is #7129. 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 with the operating system, having a working knowledge of the MFT, MVT, VS1 or VS2 configuration.

Manual, 96 pages
3165,3168//35//7094/

GC27-6985

DOS/VS QTAM MPPS (MESSAGE PROCESSING PROGRAM SERVICES)

This publication is intended for the problem programmer assigned to write a message processing program to support a QTAM-controlled telecommunications system operating under DOS/VS (Disk Operating System with Virtual Storage). Included is a general discussion of message processing programs, followed by a detailed description of the services QTAM provides in support of a message processing program. The QTAM services are provided through macro-language statements such as GET, PUT, OPEN, and CLOSE. Also included is a discussion of services QTAM provides to enable the programmer to examine and modify the telecommunications system.

General information of interest to the programmer writing a message processing program (such as telecommunications applications, concepts and terminology, and message formats) is contained in the publications DOS/VS QTAM Message Control Program, GC27-6986.

Manual, 56 pages
/C/30//5745

GC27-6986

DOS/VS QTAM MCP (MESSAGE CONTROL PROGRAM)

The first part of this publication contains information of a general nature and is of interest to anyone, including managers, system analysts, and programmers, involved in planning or implementing a QTAM-controlled telecommunications system to operate under DOS/VS (Disk Operating System with Virtual Storage). The topics discussed include: devices supported; concepts and terminology; QTAM facilities; and applications supported.

The remaining two parts of this publication, beginning with the chapters on nonaudio and audio message handling respectively, describe in detail the problem programming necessary for constructing QTAM message control programs to support telecommunications applications. A thorough understanding of this publication requires a basic knowledge of System/370 machine concepts and DOS/VS.

Manual, 264 pages
/C/30//5745

GC27-6987

INTRODUCTION TO VTAM (VIRTUAL TELECOMMUNICATIONS ACCESS METHOD) (LEVEL 2)

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. This manual is available immediately in Mechanicsburg for planning purposes until VTAM Level 2 is available. Users of this manual for VTAM Level 1.1 should now order by the pseudo order number, GT27-6987.

Manual, 76 pages (8/75)
/C/30///5745,5745,5742,5752

GC27-6989

DOS/VS BTAM

This publication describes the Basic Telecommunications Access Method (BTAM) used with DOS/VS (Disk Operating System with Virtual Storage). BTAM provides the READ/WRITE level macro instruction 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.

Manual, 440 pages
/C/30///5745

GC27-6992

OS/VS2 HASP II VERSION 4 SYSTEM PROGRAMMER'S GUIDE
PROG 370H-TX-001

This publication consists of self-contained chapters, each 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.

Manual, 180 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

GC27-6993

OS/VS2 HASP II VERSION 4 OPERATORS GUIDE PROG 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

Manual, 244 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

GC27-6994

VTAM (LEVEL 2) MACRO LANGUAGE GUIDE

Describes how to write a VTAM application program. A VTAM application program is a program that contains VTAM macro instructions to request connection to and communication with telecommunications devices and subsystem supported by VTAM. This book should be used with reference publication, VTAM Macro Language Reference, GC27-6995.

The contents include:

An overview of VTAM application programs and their relation to other elements in a teleprocessing network.

Suggestions on how to organize a VTAM application program.

A discussion of the concepts, facilities, and language for opening and closing the program, and for connecting to and communicating with logical units and terminals.

Requirements and suggestions on using exit-routines, handling errors and special conditions in the network and debugging a VTAM application program. The user is assumed to be familiar with System/370 assembler language.

Prerequisite Publications: None, however; VTAM Concepts and Planning, GC27-6998, may be helpful in understanding the concepts of a VTAM network.

This manual is available immediately in Mechanicsburg for planning purposes until VTAM Level 2 is available. Users of this manual for VTAM Level 1.1 should now order by the pseudo order number, GT27-6994-0.

Manual, 290 pages, 8/75

/C/30///5741,5745,5742,5752

GC27-6995

VTAM (LEVEL 2) MACRO LANGUAGE REFERENCE

This book is a reference manual that describes the VTAM macro instructions in detail.

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.

This manual is used by installation personnel (typically systems programmers) who code the programs that provide an interface between the application programs and the teleprocessing network. The reader should be familiar with Introduction to VTAM, (GC27-6987), Chapter 5 of VTAM Concepts and Planning, (GC27-6998), and with those parts of the OS/VS and DOS/VS Assembler Language (GC33-4010), that explains the rules for coding assembler expressions. The reader should also be familiar with the characteristics of the devices with which the program will be communicating, with the line-control discipline (start-stop or BSC) that will be used with teleprocessing concepts can read Data Communications Primer, GC20-1668.

This manual is available immediately in Mechanicsburg for planning purposes until VTAM Level 2 is available. Users of this manual for VTAM Level 1.1 should now order by the pseudo order number, GT27-6995-2.

Manual, 350 pages, 8/75
/C/30///5745,5742,5741,5752

GC27-6996

OS/VS1 VTAM SYSTEM PROGRAMMER'S GUIDE

This publication is a reference manual for the system programmer who must install and maintain the IBM Virtual Telecommunications Access Method (VTAM) under OS/VS1.

This book does not explain how to define specific IBM subsystems or IBM data-base/data-communication programs that operate with VTAM, such as the IBM 3600 Finance Communication System or the IBM Customer Information Control System OS/VS. To get information on how to define those systems, refer to manuals for the particular system.

The book assumes that the reader is familiar with the overall concepts of VTAM, has planned his network configuration, and has chosen the major VTAM options he wants to use. A good way to achieve this familiarity and obtain the background needed to select VTAM options is to read VTAM Concepts and Planning, GC27-6998.

The following publications must be used with this book:

Operator's Library: GC27-6997

IBM 3704 and 3705 Communications Controllers: Network Control Program/VS Generation and Utilities; Guide and Reference Manual (for OS/VS and DOS/VS VTAM Users), GC30-3008.

Manual, 183 pages

/C/30///5741

GC27-6998

VTAM (LEVEL 2) CONCEPTS AND PLANNING

This publication provides a guide to planning for the installation and use of the Virtual Telecommunications Access Method (VTAM) in both DOS/VS and OS/VS. VTAM provides connection and telecommunication services between application programs and terminals. Terminals include logical units (telecommunication subsystem logic) on links using synchronous data-link control (SDLC) communication, certain devices on links using start-stop and binary synchronous communication, and local 3270 devices. The VTAM user can dynamically define, control and modify his telecommunication system; distribute function through the network; and share network resources among his application programs.

This publication describes VTAM's major concepts and facilities on both an installation and an application program level. It also describes VTAM'S reliability, availability, and serviceability features, hardware and software requirements, and planning considerations for telecommunication security, resource sharing, and using VTAM other telecommunication access methods.

This publication is directed primarily to data processing managers and system programmers that are installing or considering installing a VTAM telecommunication system. A more general description of VTAM is provided in Introduction to VTAM, GC27-6987.

This manual is available immediately in Mechanicsburg for planning purposes until VTAM Level 2 is available. Users of this manual for VTAM Level 1.1 should now order by the pseudo order number, GT27-6998-1.

Manual, 280 pages, 8/75

/C/30///5742,5745,5752,5741

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
360,370//30//3270,3271,3272,3275/

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
//34//5742

GC28-0601

OS/VS2 RELEASE 1.7 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
//34//5742

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
//20//

GC28-0604

OS/VS2 SYSTEM PROGRAMMING LIBRARY: STORAGE ESTIMATES

Describes the real, virtual, and auxiliary storage areas of VS2 Release 2 and provides formulas for estimating the system's storage requirements.

This publication should be used by the system programmers to determine the storage required for running a VS2 Release 2 system at their installation.

The first section contains an introduction to the various types of storage that may be estimated. Section two provides overviews of real, virtual, and auxiliary storage. The third section contains formulas, in the form of worksheets, for estimating storage requirements. The fourth section summarizes optional storage requirements associated with IBM supplied programs, system utilities, and service aids. Appendix A provides examples of storage requirements. Appendix B lists all the Modules that are always or optionally made a part of SYS1.LPALIB during system generation, and Appendix C contains a glossary of acronyms used in this publication.

Corequisite Publications:

IBM OS/VS2 System Generation Reference, GC26-3792
IBM OS/VS2 Release 2 Initialization and Tuning Guide, GC28-0681
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

Manual, 156 pages
//34//

GC28-0607

INTRODUCTION TO JES3 SUID 5752-818

This publication contains introductory information about JES3, one of the primary job-entry subsystems of VS2. The reader should have a basic knowledge of programming systems, such as OS/MVT or OS/VS2. The manual is organized as follows:

- Introduction
- Concepts and Facilities
- Planning Considerations
- Configurations
- Compatibility

Manual, 64 pages
/////5752-818

GC28-0608

OS/VS2 MVS SYSTEM PROGRAMMING LIBRARY: JES 3 RELEASE 2.1 SUID 5752-818

This publication, which is for system programmers, describes: how to control JES 3, how JES 3 controls the flow of jobs, how to write dynamic support programs (DSPs), and how to convert from an ASP complex to a JES 3 complex. The JES 3 initialization cards and macro instructions are also described.

Prerequisite publications: Introduction to JES 3, GC28-0607 and OS/VS2 JES 3 System Information, GC28-0610.
Manual, 358 pages, 8/76
/////5752-818

GC28-0610

OS/VS2 MVS JES3 R2 SELECTABLE UNIT SYSTEM INFORMATION, SUID 5752-812

Summarizes new functions and enhancements for JES 3 Release 2, and provides planning and storage estimate information. This information is for assisting installation managers, system programmers, and IBM Field Engineering personnel.

Prerequisite publication: Introduction to JES 3, GC28-0607
Manual, 23 pages, 8/76
/////5752-812

GC28-0627

OS/VS2 SYSTEM PROGRAMMING LIBRARY: JOB MANAGEMENT

This publication describes the job management facilities and is intended for use by the system programmer.

Publications referenced:

- OS/VS2 System Programming Library: Initialization and tuning Guide, GC28-0681.
- OS/VS2 System Programming Library: System Generation Reference, GC26-3792.
- OS/VS2 Scheduler and Supervisor Logic, SY28-0624, SY28-0625, SY28-0626. (3 volumes)
- OS/VS2 JCL, GC28-0692.
- OS/VS Data Management Macro Instructions, GC26-3793.
- OS/VS Checkpoint/Restart, GC26-3784.
- OS/VS2 TSO Guide to Writing a Terminal Monitor Program or a Command Processor, GC28-0648.
- OS/VS2 IBM 3540 Programmer's Reference, GC24-5111.
- OS/VS2 System Programming Library: Service Aids, GC28-0674.

Manual
//36//5752

GC28-0628

OS/VS2 SYSTEM PROGRAMMING LIBRARY: SUPERVISOR

This publication describes supervisor facilities that can be influenced by the system programmer.

- Part I: Supervisor Services discusses supervisor functions restricted to system programmers and installation - approved personnel, and the macro instructions and parameters used to obtain the functions.
- Part II: Macro Instructions contains the formats and descriptions of the supervisor macro instructions. It provides system programmers with the information necessary to code the macro instructions.

Manual
//36//5752

GC28-0629

OS/VS2 SYSTEM PROGRAMMING LIBRARY: TSO

Provides information pertaining to the TSO facilities that can be influenced by the system programmer. Describes installation controlled TSO commands ACCOUNT and OPERATOR and their associated subcommands.

Part I discusses TSO services. This section refers to considerations in preparing for TSO processing; managing data sets needed by TSO; writing exit routines to extend or modify TSO operations.

Part II describes the ACCOUNT and OPERATOR commands and associated subcommands. The ACCOUNT command and subcommands create and update entries in the user attribute (UADS) and broadcast data sets. The OPERATOR command and subcommands regulate and maintain TSO from terminals having transmit-interruption capabilities.

Manual
//39//5752

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, ZZ25-0505, for ordering procedures for online tests and their documentation.
Manual, 76 pages
//37///

GC28-0640

OS/VS DYNAMIC SUPPORT SYSTEM

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 personnel. DSS helps identify and provide temporary corrections 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.

Before using DSS to debug OS/VS, the reader must know the internal logic of OS/VS.

Information about OS/VS2 is for planning purposes until is available in OS/VS2 Release 2.

Manual
//37///5741

GC28-0645

OS/VS2 TSO TERMINAL USER'S GUIDE

This publication introduces the user to the basic information required to use TSO. The TSO commands used to perform functions such as entering and manipulating data and executing programs at a terminal are discussed. This publication is a prerequisite for the TSO Command Language Reference.

- 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 Manual, 96 pages
//39///

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
//39///

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 installation's particular needs. The manual is a reference for programmers whose responsibility is to modify the portions of TSO that communicate directly with the user at the terminal.

The publication discusses how to modify or replace Terminal Monitor Program and the Command Processors vaguely, and describes the programming features provided within TSO for user-written Terminal Monitor Programs, Command Processors, and applications programs.

- Service routines
- Macro Instructions
- SVC's
- The Dynamic Allocation Interface Routine (DAIR)
- The Test Command Processor

The reader of this publication should have a knowledge of the structure of TSO.
Manual, 316 pages
//39///5752

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

GC28-0663

DOS/VS AND OS/VS TOLTEP FOR VTAM

This publication provides the information needed to use the Teleprocessing Online Test Executive Program (TOLTEP)

TOLTEP, which is automatically included in the system with VTAM, controls the selection, configuration, and use of online tests (OLTS) for terminals supported by the Virtual Telecommunications Access Method (VTAM) that use the basic mode of data transfer.

Manual, 60 pages
/C/37///5752,5745,5742,5741

GC28-0665

OS/VS1 SERVICE AIDS

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 -- Operates as a standalone program to format and print the system job queue. system events such as SVC and I/O interruptions.
- o HMBLIST -- Formats and prints object modules, load modules, and CSECT identification records; maps reenterable load module area.
- o IMCOSJQD -- Operates as a problem program to format and print the system job queue.
- o HMDPRDMP -- Formats and prints dump data sets, which may include page data sets and GTF trace data.
- o HMAPTFLE -- Updates an operating system by applying PTFs or by generating JCL statements needed to apply PTFs or ICRs in a later step.
- o HMDSADMP -- 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 -- 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 issues by the service aids are described in OS/VS Message Library: Service Aids and OLTEP Messages.

Systems Publication
//37///5741

GC28-0666

OS/VS1 OLTEP

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, ZZ25-0505, for ordering procedures for online tests and their documentation.
Manual
//37///5741

GC28-0667

OS/VS2 PLANNING GUIDE FOR RELEASE 2

Provides planning information for installations that intend to install OS/VS2 Release 2.

OS/VS Release 2 is a virtual storage operating system with multiprogramming, multiprocessing, time sharing (TSO) and job entry subsystems. It provides new features and enhances existing OS/MVT and OS/VS2 facilities. This publication describes the significant difference 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/VS 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 system integrity and recommendation for maintaining it in control program extensions or modifications. The fourth section describes conversion considerations for the job entry subsystem, SMP, JCL, operator commands, time sharing, data sets, allocation, the catalog, programs and multiprocessing. An appendix shows the virtual storage layout.

Prerequisite Publications:

The reader must be familiar with the information presented in IBM System/370: Introduction to VS2 Release 2, GC28-0661.

Manual
SLSS - ORDER NO. SUBSCRIPTION ONLY

GC28-0668

OS/VS1 SYS1.LOGREC ERROR RECORDING i REL 5;
WITH GN25-0318, REL 6

This publication is intended for system operators, programmers, and administrators involved in using the information on the SYS1.LOGREC data set under the OS/VS1 system control program. 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 information on SYS1.LOGREC.

Messages issued by the IFCDDIP00 and IFCEREPO service aids are described in OS/VS Message Library: Service Aids and OLTEP Messages, GC38-1006.

Manual
//37//5741

GC28-0671

OS/VS2 RELEASE 2 GUIDE

This publication contains information about the scope and content of the current release of OS/VS2. It provides planning and implementation for installation managers, system programmers, and IBM field personnel. This publication describes:

- o Special considerations
- o Module information
- o Ordering and distribution procedures for the current system

Manual

SLSS - ORDER NO. SUBSCRIPTION ONLY

GC28-0673

OS/VS SYSTEM MODIFICATION PROGRAM (SMP)
SYSTEM PROGRAMMERS GUIDE

This publication contains information about the System Modification Program (SMP). This information is intended for use by IBM personnel and system programmers responsible for changing and redesigning the installation's operating system. The reader should be experienced in using and modifying VS operating systems.

This publication describes how to use the program and gives its storage requirements. It includes all the control statements required with coding examples illustrating the various SMP functions.

The appendix contains the SMP messages, a data set requirement chart, and a cataloged procedure.

Systems Publication
//37//5741,5742,5752

GC28-0674

OS/VS2 SYSTEM PROGRAMMING LIBRARY SERVICE AIDS

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 HMBLST - Formats and prints object modules, load modules, and CSECT identification records; maps re-enterable load module area
- o HMDPRDMP - Formats and prints dump data sets, which may include page data sets and GTF trace data.
- o HMAPTFLE - Updates an operating system by applying PTFs or by generating JCL statements needed to apply PTFs or ICRs in a later step.
- o HMDSADMP - Operates as a standalone program to produce high or low speed dump of real storage. The high speed version can also dump page data sets.
- o HMASPZAP - 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 separate appendices.

Messages issued by the service aids are described in OS/VS Message Library: Service Aids and OLTEP Messages, GC38-1006.

Manual, 252 pages
//37//5752

GC28-0675

OS/VS2 OLTEP

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
//37//5752

GC28-0677

OS/VS2 SYSTEM PROGRAMMING LIBRARY: SYS1.LOGREC ERROR
RECORDING FOR MVS

This publication is intended for system operators, programmers, and administrators involved in using the information on the SYS1.LOGREC data set under the OS/VS2 system control program.

This publication describes:

- o Why and how the different types of records for hardware and software failures and system conditions are built and recorded on SYS1.LOGREC
- o The service aid program (IFCDIP00 and IFCEREPO) that can be used to maintain and retrieve information on SYS1.LOGREC.

Messages issued by the IFCDDIP00 and IFCEREPO service aids are described in OS/VS Message Library: Service Aids and OLTEP Messages, GC38-1006.

Manual, 92 pages
//37//5752

GC28-0681

OS/VS2 INITIALIZATION AND TUNING GUIDE

This book contains information on the following general topics:

- o System parameters in SYS1.PARMLIB
- o How to use the System Resource Manager (SRM)
- o How to use the System Activity Measurement Facility (MF/1)
- o System performance factors, such as those affecting VIO, catalog, device allocation, the use of SMF as a tuning aid, the pageable link pack areas, and paging data sets

Manual, 352 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

GC28-0683

OS/VS2 SUPERVISOR SERVICES AND MACRO INSTRUCTIONS
REL 3, 3.61 WITH GN28-2604, REL 3.7

This publication describes 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. The book is intended for the applications programmer coding in assembler language. Systems publications, 228 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

GC28-0688

OS/VS2 MVS SYSTEM PROGRAMMING LIBRARY: VTAM (LEVEL 2)

Provides the necessary information for defining a VTAM network in an OS/VS2 system environment. It describes the interfaces that must be created between the user's VTAM application programs and the system. It also describes how the system can be modified to better serve the needs of the VTAM user.

This book is intended for system programmers who are primarily concerned with system generation and VTAM network definition.

Prerequisite publications are:

VTAM Concepts and Planning, GC27-6998

Manual, 300 pages, 1/76

/C/30//5752

GC28-0689

OS/VS2 CONVERSION NOTEBOOK

Documents the impact of certain features and facilities on an installation's conversion process: documents experiences with OS/VS2 Multiple Virtual Storage (MVS) at internal IBM installations, field test installations, and user installations and supplements existing publications in the MVS library. Also includes conversion considerations for Selectable Units. As such, the material is not submitted to any formal IBM testing. Users must evaluate the applicability of the recommendations at their installations before implementing them.

Intended for installation managers, installation system programmers, and others responsible for converting from OS/MVT, OS/VS2 Single Virtual Storage or one MVS release level to the latest MVS release level. Reader is expected to be familiar with the MVS system (such as found in IBM System/370 Summary, GA22-7001) and with the information in the applicable MVS release guide.

This book is not intended to present a comprehensive description of the conversion process, to describe the features and facilities of MVS, to replace existing publications, or to provide information on tuning and performance. This book also does not explain how to plan for operating with MVS program products (such as CICS/VS), specific industry-oriented IBM subsystems (such as the IBM 3600 Finance Communication System), and the IBM 3850 Mass Storage System.

The chapters are organized to cover these distinct conversion steps; overview and MVS planning, system generation and initialization, catalog conversion, JES2, JES3, TSO, accounting, system integrity, RAS and problem determination, multiprocessing, teleprocessing networks, and application, operator, and miscellaneous considerations. Except for the first chapter, each chapter is divided into two parts:

- o Introductory information that lists the publications relevant to that conversion step and, if necessary, background information on that topic.
- o A series of bulletins that contain hints or considerations for that conversion step.

The introductory information in each part first presents general conversion considerations and then any unique considerations for specific conversion paths.

Manual, 8 1/2 x 11 inches, 500 pgs., 5/77
//34//5752

GC28-0692

OS/VS2 JCL

This publication contains the information necessary to code job control language (JCL), job entry subsystem 2 (JES2), and job entry subsystem 3 (JES3) statements. It is intended for use by programmers who code JCL, JES2, and JES3 control statements and who understand the concepts of job management and data management.

The first part of the book is tutorial, explaining the use of the various parameters. The second part explains each parameter according to the statements it is coded on; that is, JCL, JES2, and JES3 control statements. The third part contains reference tables and a glossary.

Manual

SLSS - ORDER NO. SUBSCRIPTION ONLY

GC28-0693

OS/VS2 MVS MASTER INDEX: REL 2

No abstract available.

Manual, 130 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

GC28-0695

OS/VS2 TSO SUPPORT FOR VS BASIC: REL 1.6, 1.7

This publication describes the external features of TSO that support VSBASIC or an equivalent for OS/VS2 Release 1.6. It is intended for use by the terminal user and the system programmer.

Only changes resulting from VSBASIC support are documented in this publication.

Manual, 20 pages

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GC28-0700

OS/VS2 RELEASE 3 (AND 3.6) GUIDE

The information in this manual is for assisting installation managers, system programmers, and IBM Field Engineering personnel in planning for Release 3 of OS/VS2. It describes OS/VS2 Release 3 features and enhancements, special system generation and programming considerations, change activity, and ordering and distributing procedures. It also contains lists and charts depicting the OS/VS2 Release 3 library, and mappings of OS/MVT and OS/VS2 Release 1.0/1.6 publications into their OS/VS2 Release 3 counterparts.

Manual

SLSS - ORDER NO. SUBSCRIPTION ONLY

GC28-0703

OS/VS2 JES 3 DEBUGGING GUIDE

Contains debugging information for the JES3 component of OS/VS2 Release 3.

Manual

////5752-812

GC28-0706

OS/VS2 SYSTEM MANAGEMENT FACILITIES (SMF)

This publication assists installation managers and system programmers in planning for, installing, and using System Management Facilities (SMF). SMF collects records accounting, data set, subsystem, system and volume information. It also has exits that can link to user-written routines for monitoring a job or job step.

The publication describes the basic SMF functions and the relationship of SMF to the operating system and to user-written exit routines. It also explains:

- o How to include user written exit routines in the operating system.
- o The additional storage required by SMF.
- o How to switch and dump the SMF data sets.
- o How to plan, write and test exit routines.
- o When each SMF record is written and the information contained in each record.

Manual

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GC28-0707

OS/VS2 RELEASE 3.7 GUIDE

The information in this manual is for assisting installation managers, system programmers, and IBM Field Engineering personnel in planning for Release 3.7 of OS/VS2. It describes OS/VS2 Release 3.7 enhancements to the base Release 3.0 system, special system generation and programming considerations, change activity, and ordering and distributing procedures. It also contains lists and charts depicting the OS/VS2 Release 3.7 library, and mappings of OS/MVT and OS/VS2 Release 1.0/1.6 publications into their OS/VS2 Release 3.7 counterparts.

Manual

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GC28-0708

OS/VS2 DEBUGGING HANDBOOK VOLUME 1

This publication provides reference information for use in debugging user or system programs. The user of this publication should have a working knowledge of OS/VS2 functions and logic.

This two volume handbook has eight sections, as follows:
Volume 1-GC28-0708

- o Section 1 describes an approach to debugging based on identification and analysis of system status

indicators.

- o Section 2 summarizes major OS/VS2 debugging aids, and includes reprints of VS2 information from the following reference cards:
OS/VS Service Aids Reference Summary, GX28-0634
OS/VS DSS Command Language Reference Summary, GX28-0690
- o Section 3 describes dump and trace output of debugging aids summarized in Section 2.
- o Section 4 summarizes major system error indicators.
- o Section 5 provides general reference information useful for debugging purposes.
- o Section 6 lists and categorizes OS/VS2 publications.

Volume 2 - GC28-0709

- o Section 1 shows how to find information in a dump.
- o Section 2 illustrates the logical relationships of major system data areas, describes the formats of data areas used frequently in debugging, and provides a directory of data areas documented in other publications.

The handbook is intended for use in conjunction with the System/370 Reference Summary, GX20-1850, a reference card that provides additional information useful in debugging.

Please note that if you use only one order number, you will only receive that volume. To receive both volumes, you must use both order numbers or the following form number: GBOF-8211.

Handbook, 4x7 inches, 6 hole punched

SLSS - ORDER NO. SUBSCRIPTION ONLY

GC28-0709

OS/VS2 DEBUGGING HANDBOOK VOLUME 2

This publication provides reference information for use in debugging user or system programs. The user of this publication should have a working knowledge of OS/VS2 functions and logic.

This handbook has eight sections, as follows:

Volume 1 - GC28-0708

- o Section 1 describes an approach to debugging based on identification and analysis of system status indicators.
- o Section 2 summarizes major OS/VS2 debugging aids, and includes reprints of VS2 information from the following reference cards:
OS/VS Service Aids Reference Summary, GX28-0634
OS/VS DSS Command Language Reference Summary, GX28-0690
- o Section 3 describes dump and trace output of debugging aids summarized in Section 2.
- o Section 4 summarizes major system error indicators.
- o Section 5 provides general reference information useful for debugging purposes.
- o Section 6 lists and categorizes OS/VS2 publications.

Volume 2 - GC28-0709

- o Section 1 shows how to find information in a dump.
- o Section 2 illustrates the logical relationships of major system data areas, describes the formats of data areas used frequently in debugging, and provides a directory of data areas documented in other publications.

The handbook is intended for use in conjunction with the System/370 Reference Summary, GX20-1850, a reference card that provides additional information useful in debugging.

Please note that if you use only one order number, you will only receive that volume. To receive both volumes, you must use both order numbers or the following order number: GBOF-8211.

Handbook, 4x7 inches, 6-hole punched

SLSS - ORDER NO. SUBSCRIPTION ONLY

GC28-0722

OS/VS2 MVS RESOURCE ACCESS CONTROL FACILITY (RACF) - GENERAL INFORMATION MANUAL - PROG PROD 5740-XXH

This publication contains overview and planning information for the program product RACF (Resource Access Control Facility). It is intended for installation managers and system programmers who are responsible for planning the software data security measures in their computing system. Readers should have a background in OS/VS2 MVS.

RACF provides for access control by identifying and verifying users to the system, authorizing access to protected resources, logging detected unauthorized attempts to enter the system, and logging detected accesses to protected resources.

The resources that can be protected by RACF are; DASD data sets, tape volumes, DASD volumes, and terminals.

Manual, 76 pages, 12/76

////5740-XXH

GC28-0723

OS/VS2 MVS SCHEDULER IMPROVEMENTS SELECTABLE UNIT SYSTEM INFORMATION, SUID 5752-804

This manual is intended to assist installation groups, system programmers, and IBM Field Engineering in planning for MVS.

It describes the Scheduler Improvements Selectable Unit for MVS. It identifies features and enhancements, special system generation and programming considerations, change activity and ordering procedures associated with the Scheduler Improvements Selectable Unit.

Manual

////5752-804

- GC28-0724
OS/VS2 MVS SUPERVISOR PERFORMANCE #1 SELECTABLE UNIT SYSTEM INFORMATION, SUID 5752-805
 This manual is intended to assist installation groups, system programmers, and IBM Field Engineering in planning for MVS.
 It describes the Supervisor Performance #1 Selectable Unit for MVS. It identifies features and enhancements, special system generation and programming considerations, change activity and ordering procedures associated with the Supervisor Performance #1 Selectable Unit.
 Manual
 //5752-805
- GC28-0725
OS/VS2 SYSTEM PROGRAMMING LIBRARY: MVS DIAGNOSTIC TECHNIQUES
 This publication describes diagnostic techniques that have been successful for problem isolation and determination on MVS systems. It is written for system programmers and IBM program service representatives who understand MVS internal logic and who are involved in debugging MVS system problems.
 This publication stresses a single debugging approach: identifying an external symptom of a problem; gathering relevant data from system data areas to isolate the problem to a component; and analyzing the component to determine the problem.
 Manual
 //37//5752
- GC28-0727
OS/VS2 MVS SUPERVISOR PERFORMANCE #2 SELECTABLE UNIT SYSTEM INFORMATION, SUID 5752-807
 This publication contains general information about Supervisor Performance #2. This information is for installation managers, system programmers, and IBM field engineers.
 Supervisor Performance #1 must be installed before Supervisor Performance #2.
 Manual
 //5752-807
- GC28-0728
OS/VS2 MVS SERVICE DATA IMPROVEMENTS SELECTABLE UNIT SYSTEM INFORMATION, SUID 5752-817
 This publication presents the highlights of Service Data Improvements. It also describes special programming considerations, planning information, ordering and distribution procedures, and publications support for Service Data Improvements. The publication is intended for installation managers, system programmers, and IBM Field Engineering personnel. It is assumed that readers have a basic knowledge of OS/VS2 MVS
 Manual
 //5752-817
- GC28-0729
OS/VS2 MVS RESOURCE ACCESS CONTROL FACILITY (RACF), PROG PROD 5740-XXH, VERSION 1 RELEASE 2, DESIGN OBJECTIVES
 This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product.
 Flyer, 2 pages, 12/76
 //5740-XXH
- GC28-0731
OS/VS2 MVS ATTACHED PROCESSOR SYSTEM SELECTABLE UNIT SYSTEM INFORMATION, SUID 5752-806
 This manual describes highlights of the Attached Processor System. It also describes special programming considerations, planning information, ordering and distribution procedures, and publications support for the Attached Processor System software. This manual is intended for installation managers, system programmers, and IBM Field Engineering personnel.
 Manual
 //5752-806
- GC28-0732
OS/VS2 MVS RESOURCE ACCESS CONTROL FACILITY (RACF), PROG PROD 5740-XXH SPECIFICATIONS
 Describes the warranted specifications of the program.
 Flyer, 2 pages
 //5740-XXH
- SC28-0733
VS2 MVS RACF COMMAND LANGUAGE REFERENCE, PROG PROD 5740-XXH
 This publication describes the syntax and functions of the RACF program product commands for Version 1 Release 2. It is intended for RACF-defined users who are responsible for creating, updating, or maintaining the profiles for users, groups, and resources on the RACF data set.
 Readers must be familiar with the RACF concepts and terminology described in the RACF General Information Manual, GC28-0722.
 Manual, 8 1/2 x 11 inches, 124 pages, 5/77
 //5740-XXH
- SC28-0734
OS/VS2 MVS RACF INSTALLATION REFERENCE MANUAL, PROG PROD 5740-XXH
 This publication provides installation managers and system programmers with detailed information required to plan for, install, and maintain the RACF program product. Readers must be familiar with the RACF concepts and terminology described in the RACF General Information Manual, GC28-0722.
 Manual, 142 pages
 //5740-XXH
- GC28-0735
OS/VS2 MVS RESOURCE MEASUREMENT FACILITY (RMF) PROG PROD 5740-XXM DESIGN OBJECTIVES
 No abstract available.
 Flyer, 2 pages
 //5740-XXM
- GC28-0736
OS/VS2 MVS RESOURCE MEASUREMENT FACILITY (RMF) GENERAL INFORMATION, PROG PROD 5740-XXM
 The Resource Measurement Facility General Information Manual is intended for installation managers and system programmers who are responsible for tuning an OS/VS2(MVS) system. The manual provides an overview of the application area and specifies the functions included in RMF. It provides adequate information to enable a potential user to determine whether the program would be useful to him and the information necessary to plan for its implementation.
 Manual
 //5740-XXM
- GC28-0737
OS/VS2 MVS RESOURCE MEASUREMENT FACILITY (RMF), PROG PROD 5740-XXM, SPECIFICATIONS
 No abstract available.
 Flyer, 2 pages
 //5740-XXM
- SC28-0740
OS/VS2 MVS RESOURCE MEASUREMENT FACILITY (RMF) REFERENCE AND USER'S GUIDE, PROG PROD 5740-XXM
 This publication is intended for system programmers responsible for installing, controlling, and supporting the Resource Measurement Facility program product on an OS/VS2 MVS system. Readers should have a background in OS/VS2 MVS.
 Manual
 //5740-XXM
- GC28-0745
OS/VS2 MVS TSO COMMAND PACKAGE PROG PROD 5740-XT6 DESIGN OBJECTIVES
 This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product.
 Flyer, 2 pages
 //5740-XT6
- GC28-0746
OS/VS2 MVS TSO COMMAND PACKAGE PROG PROD 5740-XT6 SPECIFICATIONS
 No abstract available.
 Flyer, 2 pages
 //5740-XT6
- GC28-0747
MVS SELECTABLE UNIT INSTALLATION GUIDE
 The MVS Selectable Unit Installation Guide introduces the concept of selectable units in the MVS packaging process and describes typical install options available to the user for single and multiple selectable units and associated service. Selectable units are discussed in general and are not specifically identified by name or number. This guide is intended for installation system programmers and other personnel responsible for supporting and servicing the MVS system selectable units. The reader of this book is assumed to have a working knowledge of system generation and the use of the System Modification Program (SMP), as well as system control programming in general. This book is not intended to describe MVS features, facilities, or program products; to replace existing publications; or to provide information on utilization, tuning, performance, or operation.
 Manual, 7/76
 //34//5752
- SC28-0748
OS/VS2 MVS TSO COMMAND PACKAGE REFERENCE AND USERS GUIDE, PROG PROD 5740-XT6
 This publication provides information pertaining to functions available to TSO users after the installation of the OS/VS2 MVS TSO Command Packages program product. The publication is intended to convey how-to, command syntax, and system programmer information required for utilization of these functions.
 OS/VS2 Release 3.7 is a prerequisite to the functions documented herein. The TSO user of this program product must use this publication in conjunction with the existing Release 3.7 TSO library to have a complete description of the overall TSO option.

Manual
 /////5740-XT6

GC28-0750

OS/VS2 JCL (COLLATED VERSION)
 This publication contains the information necessary to code job control language (JCL) job entry subsystem 2 (JES2), and job entry subsystem 3 (JES3) statements. It is intended for use by programmers who code JCL, JES2, and JES3 control statements and who understand the concepts of job management and data management.

The first part of the book is tutorial, explaining the use of the various parameters. The second part explains each parameter according to the statements it is coded on; that is, JCL, JES2, and JES3 control statements. The third part contains reference tables and a glossary.

This publication also includes the following Selectable

Unit information:
 JES2 Release 4.0 VS2.03.803
 Scheduler Improvements VS2.03.804
 Supervisor Performance #2 VS2.03.807
 IBM 3800 Printing Subsystem VS2.03.810
 Manual
 //36//5752

GC28-0751

OS/VS2 DEBUGGING HANDBOOK VOLUME 1 (COLLATED VERSION)

This publication provides reference information for use in debugging user or system programs. The user of this publication should have a working knowledge of OS/VS2 functions and logic.

The first of two volumes, this one contains six sections, as follows:

- o Section 1 describes an approach to debugging based on identification and analysis of system status indicators.
- o Section 2 summarizes major OS/VS2 debugging aids, and includes reprints of VS2 information from the following reference cards:

OS/VS Service Aids Reference Summary,
 GX28-0634
 OS/VS DSS Command Language Reference Summary,
 GX28-0690

- o Section 3 describes dump and trace output of debugging aids summarized in Section 2.
- o Section 4 summarizes major system error indicators.
- o Section 5 provides general reference information useful for debugging purposes.
- o Section 6 lists and categorizes OS/VS2 publications.

This publication also contains the following Selectable

Unit information:
 Scheduler Improvements VS2.03.804
 Supervisor Performance #1 VS2.03.805
 Supervisor Performance #2 VS2.03.807
 Data Management VS2.03.808
 IBM 3800 Printing Subsystem SV2.03.810
 Manual, 4x7 inches, 6 hole punched, 414 pages
 //37//5752

GC28-0752

OS/VS2 DEBUGGING HANDBOOK VOLUME 2 (COLLATED VERSION)

This publication provides reference information for use in debugging user or system programs. The user of this publication should have a working knowledge of OS/VS2 functions and Logic.

This second of two volumes, this one contains two sections, as follows:

- o Section 1 shows how to find information in a dump.
- o Section 2 illustrates the logical relationships of major system data areas, describes the formats of data areas used frequently in debugging, and provides a directory of data areas documented in other publications.

The handbook is intended for use in conjunction with the System/370 Reference Summary, GX20-1850, a reference card that provides additional information useful in debugging.

Please note that if you use only one order number, you will receive that volume only.

This publication also contains the following Selectable

Unit information:
 Scheduler Improvements VS2.03.804
 Supervisor Performance #1 VS2.03.805
 Supervisor Performance #2 VS2.03.807
 Data Management VS2.03.808
 IBM 3800 Printing Subsystem SV2.03.810
 Manual, 4x7 inches, 6 hole punched, 902 pages
 //37//5752

GC28-0754

OS/VS2 SYSTEM MANAGEMENT FACILITIES (SMF) (COLLATED VERSION)

This publication assists installation managers and system programmers in planning for, installing, and using System Management Facilities (SMF). SMF collects records accounting, data set, subsystem, system and volume information. It also has exits that can link to user-written routines for monitoring a job or a job step.

The publication describes the basic SMF functions and the relationship of SMF to the operating system and to user-written exit routines. It also explains:

- o How to include user-written exit routines in the operating system.
- o The additional storage required by SMF.
- o How to switch and dump the SMF data sets.
- o How to plan, write and test exit routines.
- o When each SMF record is written and the information

contained in each record.

This publication also contains the following Selectable

Unit information:
 JES2 Release 4.0 VS2.03.803
 Supervisor Performance #2 VS2.03.807
 IBM 3800 Printing Subsystem VS2.03.810
 JES3 VS2.03.812
 Manual, 242 pages
 //34//5752

GC28-0755

OS/VS2 INITIALIZATION & TUNING GUIDE (COLLATED VERSION)

This book contains information on the following general topics:

- o System parameters in SYS1.PARMLIB
- o How to use the System Resource Manager (SRM)
- o How to use the System Activity Measurement Facility (MF/1)
- o System performance factors, such as those affecting VIO, catalog, device allocation, the use of SMF as a tuning aid, the pageable link pack areas, and paging data sets.

This publication also includes the following Selectable Unit

information: Supervisor Performance #2 VS2.03.807
 Manual
 //34//5752

GC28-0756

OS/VS2 SUPERVISOR SERVICES AND MACRO INSTRUCTIONS (COLLATED VERSION)

This publication describes 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. The book is intended for the applications programmer coding in assembler language.

This publication also includes the following Selectable

Unit information:
 Supervisor Performance #2 VS2.03.807
 IBM 3800 Printing Subsystem VS2.03.810
 Manual
 //36//5752

GC28-0772

OS/VS ENVIRONMENTAL RECORDING EDITING AND PRINTING

(EREP) PROGRAM, SUID 5741-601, 5752-827, ICR 5742
 The OS/VS Environmental Recording Editing and Printing (EREP) Program supports Releases 5 and 6 of OS/VS1 Release 1.7 of OS/VS2 (SVS) and Releases 3.0, 3.6 and 3.7 of OS/VS2 (MVS).

IFCEREPI is a service aid program that provides information for management and maintenance of a computer system across three operating systems (OS/VS1, OS/VS2 (SVS), and OS/VS2 (MVS)). An expanded parameter capability and improved history processing performance are provided. Three new reports - System Summary, Trend Report Event History and a capability of indicating shared devices have been added. The System/370 is the only computer supported by this new version of EREP.

Manual, 12/76
 /////5742,5741-601,5752-827

GC28-0786

NETWORK JOB ENTRY FACILITY FOR JES2 RELEASE 2 PROGRAM

PRODUCT: JCL
 This supplement to OS/VS2 JCL, GC28-0692, contains the information necessary to code control statements for:
 o Release 4.1 of the job entry subsystem 2 (JES2).
 o Version 1, Release 2 of the job entry subsystem 2 (JES2) network job entry facility (NJE).

Manual, 1/77
 /////5740-XR8

GC28-0799

OS/VS2 MVS JES2 RELEASE 4.1 SELECTABLE UNIT: JCL SUPPLEMENT SUID 5752-825

This supplement to OS/VS2 JCL, GC28-0692, contains the information necessary to code control statements for Release 4.1 of the job entry subsystem 2 (JES2).

Manual, 1/77
 /////5752-825

GC28-0805

OS/VS2 MVS JES3 3850 MASS STORAGE SYSTEM SELECTABLE UNIT: SYSTEM MANAGEMENT FACILITIES - SUPPLEMENT SUID 5752-818

This supplement to OS/VS2 SPL: System Management Facilities (SMF) adds a new field, which contains the number of Mass Storage Volume requests allocated by MDS, to Record Type 25.

Manual, 12 pgs, 3/77
 /////5752-818

GC28-0806

OS/VS2 MVS JES3 3850 MASS STORAGE SYSTEM, SELECTABLE UNIT JCL - SUPPLEMENT SUID 5752-818

This supplement to OS/VS2 JCL, GC28-0692-2 and GC28-0750-0, describes a new parameter for the JES3 MAIN statement and a new DEVPPOOL subparameter. These changes are in support of JES3 MSS Support.

Manual, 8 1/2 x 11 inches, 32 pages, 3/77
 /////5752-818

GC28-0815

OS/VS2 MVS DUMPING IMPROVEMENTS, SELECTABLE UNIT 5752-833: SYSTEM INFORMATION

This publication presents an overview of the functions provided by Dumping Improvements Selectable Unit (5752-833) planning information, and publications support for Dumping Improvements. It is intended for installation managers, system programmers, and IBM Field Engineering personnel. It is assumed that readers have a basic knowledge of OS/VS2 MVS.

Manual, 28 pages, 3/77
 ////5752-833

GC28-0817

OS/VS2 MVS DUMPING IMPROVEMENTS SELECTABLE UNIT: DEBUGGING HANDBOOK - VOL. 2 (SU ID 5752-833) SUPPLEMENT

This supplement updates the Debugging Handbook - Vol. 2 with information pertaining to the Dumping Improvements Selectable Unit.

Manual, 8 1/2 x 11 inches, 96 pgs, 3/77
 ////5752-833

GC28-0819

OS/VS2 MVS DUMPING IMPROVEMENTS SELECTABLE UNIT 5752-833: SUPERVISOR SUPPLEMENT

This supplement to OS/VS2 SPL: Supervisor includes the following changes:

- o The SDUMP macro instruction has been changed to add the following:
 - ASIDLST and SUMLIST parameters
 - NOALLPSA, NOSQA, SUNDUMP, and NOSUMDUMP data codes for the SDATA Parameter
- o Information has been added to the description of Interruption, Recovery/Termination, and Dumping Services to aid in problem determination and writing of recovery routines.
- o The description of the SNAP/ABEND user exit has been changed to describe support for more than one user exit.
- o SYSMDUMP has been added to the DD statements for the CALLRTM macro instruction.

Manual, 44 pgs, 3/77
 ////5752-833

GC28-0820

OS/VS2 MVS DUMPING IMPROVEMENTS SELECTABLE UNIT: JCL SUPPLEMENT, SUID 5752-833

This supplement to OS/VS2 JCL, GC28-0692-2 and GC28-0750, describes the SYSMDUMP DD statement that is now supported to provide machine-readable (unformatted) ABEND dumps.

Manual, 8 1/2 x 11 inches, 44 pgs, 3/77
 ////5752-833

GC28-0821

OS/VS2 MVS DUMPING IMPROVEMENTS SELECTABLE UNIT 5752-833: SUPPLEMENT TO SUPERVISOR SERVICES & MACRO INSTRUCTIONS

This supplement to OS/VS2 MVS Supervisor Services and Macro Instructions includes the following changes:

- o SYSMDUMP has been added to the DD statements that can be specified for ABEND dumps.
- o The SNAP macro instruction has been changed to add the following:
 - DM, ERR, and IO system data codes for the SDATA parameter
 - STRHDR parameter

Manual, 28 pages, 3/77
 ////5752-833

GC28-0840

OS/VS2 MVS ATTACHED PROCESSOR SYSTEM FOR 370 MODELS 158, 168 SELECTABLE UNIT SYSTEM INFORMATION (SU ID 5752-847)

This manual describes highlights of the Attached Processor System. It also describes special programming considerations, planning information, and publication support for the Attached Processor System software.

This publication is intended for installation managers, system programmers, and IBM Field Engineering personnel. It is assumed that the readers have a basic knowledge of OS/VS2 MVS.

Manual, 8 1/2 x 11 inches, 24 pgs, 4/77
 ////5752-847

GC28-0872

OS/VS2 MVS/SYSTEM EXTENSIONS GENERAL INFORMATION, PROG PROD 5740-XE1

This publication contains overview and planning information for Release 1, Modification Level 0 of OS/VS2 MVS System Extensions. It is intended for installation managers, system programmers, and IBM Field Engineering personnel. Readers should have a background in OS/VS2 MVS.

MVS/System Extensions is a licensed program that provides performance improvements and additional resource control mechanisms for the MVS system control program.

Manual
 ////5740-XE1

GC28-0874

OS/VS2 MVS ATTACHED PROCESSOR SYSTEM FOR 370 MODELS 158, 168 SELECTABLE UNIT (SU ID 5752-847): DEBUGGING HANDBOOK, VOL 2 SUPPLEMENT

Documents PCCA flags indicating I/O Capability. Manual, 8 1/2 x 11 inches, 12 pgs, 4/77
 ////5752-847

GC28-2000

IBM TIME SHARING SYSTEM ASSEMBLER LANGUAGE

This publication describes the IBM Time Sharing System Assembler Language, a symbolic programming language. The language provides a convenient means for representing machine instructions and related data, especially as related to the Time Sharing System (TSS). The TSS 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, 110 pages
 //21/TSS//

GC28-2001

IBM TIME SHARING SYSTEM COMMAND SYSTEM USER'S GUIDE

This is a reference book for users of the commands that are part of the IBM Time Sharing System. The command system gives the user the ability to (1) construct, execute, and debug programs; (2) create, modify, copy, and share data sets; (3) enter data into and retrieve data from the system; and (4) modify and add to the system-supplied commands.

Commands that are used exclusively by the system operator, system manager, system administrator, and system programmer are not presented in this book.

Three types of information make up the major part of this reference: basic information for the new user, examples, and command descriptions. Part II contains seven sections, and each section describes a different category of commands. Introductory material in Part II is provided to give the new user of the command system general knowledge of the commands. Part III contains format illustrations and descriptions of the commands. Parts II and III also contain examples that show ways of using the commands. Before reading Command System User's Guide, you should have general knowledge of TSS. For an introduction to TSS see IBM Time Sharing System: Concepts and Facilities, GC28-2003. If you enter commands through a terminal, you should be familiar with the terminal. See IBM Time Sharing System: Terminal User's Guide, GC28-2017 for instructions on operating the IBM 2741 Communications Terminal and the IBM 1052 Printer-Keyboard.

Systems Reference Library Manual, 341 pages
 //36/TSS//

GC28-2003

IBM TIME SHARING SYSTEM CONCEPTS AND FACILITIES

This publication provides an introduction to the IBM Time Sharing System (TSS), a general purpose operating system used with IBM System/370 computers that have dynamic address translation. TSS allows many users to have simultaneous access to a computing system. The combination of machine and control program creates a data processing environment for each user which can be utilized independently or shared with other users. Each user operates in a separate virtual storage address space potentially as big as the addressing capability of the machine.

The design of TSS aids program development because the functions provided support a convenient, interactive programming environment. Programs developed in this environment may be used in production mode without change. Integration of virtual storage with data management permits a novel approach to data base applications. A feature of TSS is user ownership of data with excellent security and privacy.

This publication is written for managers of data processing installations, system programmers, application programmers, end users of applications, and operators. It is an introduction to the purpose, design, and use of TSS and contains general descriptions of the control program, data management, and task management; a summary of publications relating to TSS; and information about the use of the system to support individual users and subsystem programming development projects.

There is no prerequisite reading for this publication. However, the reader should have a basic understanding of data processing techniques.

Systems Reference Library Manual, 76 pages
 //20/TSS//

GC28-2004

IBM TIME SHARING SYSTEM ASSEMBLER USER MACRO INSTRUCTIONS

Provides the information necessary to code assembler language macro instructions under the IBM Time Sharing System. The intended audience is the non-privileged assembler language user.

The primary macro instruction services are program management and data management. These macro instructions aid in programming and processing time-shared tasks.

The first section of the book describes the macro instructions by functional groups, enabling the user to select the macro instructions he needs to manage his program (manage virtual storage, load and link modules, handle interruptions, transfer to command mode, communicate with SYSIN/SYSOUT and with the operator and the log, maintain

timers, and create commands) and to manage data (define, connect, access, manipulate, disconnect, or remove data sets). The second portion of the book lists the macro instructions alphabetically and provides all the information needed to code the macro instructions. Appendixes detail exit lists, synchronous error exits, end-of-data processing, machine control characters, linkage conventions, DCB fields, the DDEF macro instruction, the generation of literals by macro instructions, interruption handling, the TSS Macro and Copy library, sharing virtual data sets, the OPEN/CLOSE generated parameter list, and the conditional assembly of macro instructions.

The reader must be familiar with the information presented in IBM Time Sharing System: Concepts and Facilities, GC28-2003, and Assembler Language, GC28-2000. Systems Reference Library Manual, 315 pages
//21/TSS//

GC28-2005

IBM TIME SHARING SYSTEM LINKAGE EDITOR

This publication describes the linkage editor, an optional 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.

Tells how to use the time sharing system's linkage editor. This optional program can be used to join two or more related object modules into one object module, saving dynamic loader processing time. A linkage editor user can also, without having to reassemble or recompile his program, combine control sections (possibly saving external storage and reducing program execution time); rename entry points, control sections, and external references; and change control section attributes. An introduction explains: how a TSS object module is created, its structure, how control sections are named and attributes assigned, external definitions and references, the difference between static and dynamic linking. The reader is shown how to invoke the linkage editor and how to use linkage editor control statements. Examples are provided for both conversational and non-conversational users. Before using this publication, be familiar with the contents of IBM Time Sharing Systems: Concepts and Facilities, GC28-2003, and IBM Time Sharing System: Command System User's Guide, GC28-2001. Systems Reference Library Manual, 52 pages
//31/TSS//

GC28-2006

IBM TIME SHARING SYSTEM - TIME SHARING SUPPORT SYSTEM (TSSS)
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 for analysis, and of altering the TSS storage and machine registers. This system is used only by system programmers with authority code O or P and is not intended to be available to any other TSS users.

The functions of TSSS may be performed on command from a terminal or dynamically during TSS execution. The programs, tables, and control blocks of real, virtual, and secondary storage can all be referred to and modified.

Part I of this publication describes the TSSS system and its capabilities in a general way. Part II describes the TSSS command language, defining the functions of the language elements and the language syntax. Part III presents additional requirements for correct use of TSSS.

The reader must be familiar with the information contained in:

- IBM Principles of Operation, GA22-6821
- IBM Time Sharing System:
Concepts and Facilities, GC28-2003
- System Programmer's Guide, GC28-2008

Systems Reference Library Manual, 60 pages
//37/TSS//

GC28-2007

IBM TIME SHARING SYSTEM FORTRAN IV LANGUAGE

This publication describes and illustrates the use of the IBM FORTRAN IV language for the IBM Time Sharing System (TSS).

The IBM FORTRAN IV language is a symbolic programming language that parallels the symbolism and format of mathematical notation. It provides programming features and facilities that can be used in FORTRAN programs to solve mathematical problems.

The material in IBM FORTRAN IV is arranged to provide a quick definition and syntactical reference to the various elements of FORTRAN IV by means of a box format. Each element is described, with appropriate examples of possible use.

The reader should have a basic knowledge of the FORTRAN language. While some information relating FORTRAN IV to TSS is presented, most of the necessary guidance required by a FORTRAN user to perform a task is given in IBM Time Sharing System: FORTRAN Programmer's Guide, GC28-2025. Systems Reference Library Manual, 100 pages
//25/TSS//

GC28-2008

IBM TIME SHARING SYSTEM SYSTEM PROGRAMMER'S GUIDE

IBM Time Sharing System (TSS) makes a distinction between user and system programmers. This publication is intended for persons responsible for maintaining, modifying, or extending the system and discusses:

- o Operating environment
- o Program structure
- o Coding practices and conventions
- o Privileged supervisor call instructions
- o Serviceability aids
- o System macro definitions
- o Changing TSS
- o Privilege Class E

Systems Reference Library Manual, 286 pages
//36/TSS//

GC28-2010

IBM TIME SHARING SYSTEM - SYSTEM GENERATION AND MAINTENANCE

This publication explains how an installation specifies, creates, maintains, and modifies an installation-adapted IBM Time Sharing System. The intended audience is the system programmer charged with system generation and maintenance.

Part I is an overall description of system generation and maintenance; Part II describes the creation of a basic time-sharing system; Part III describes the macro instructions used to adapt the basic system to the installation's needs; Part IV explains the system maintenance process, and Part V shows how to modify the system for the duration of a startup-to-shutdown session. The appendices contain examples of system generation, maintenance, and modification, reference material on device addressing and system libraries, a sample machine configuration, and sample system generation macro instructions.

The reader must be familiar with the information presented in: IBM Time Sharing System Concepts and Facilities, GC28-2003

Systems Reference Library Manual, 84 pages
//34/TSS//

GC28-2017

IBM TIME SHARING SYSTEM TERMINAL USER'S GUIDE

This manual gives instructions for operating the IBM 2741 Communications Terminal, the IBM 1050 Data Communications System and the teletypewriter terminal with the IBM Time Sharing System. It is intended for programmers, system managers, and system administrators who use terminals in the IBM Time Sharing System.

Systems Reference Library Manual, 31 pages
//40/TSS//

GC28-2024

IBM TIME SHARING SYSTEM MANAGER'S AND ADMINISTRATOR'S GUIDE

This manual describes the special commands that managers and administrators of the IBM Time Sharing System (TSS) use.

There are four sections in the book:

- o Section 1 introduces the command system as it relates to the job and responsibilities of a system manager or a system administrator.
- o Section 2 explains the basics of using the command system and of the command descriptions.
- o Section 3 contains the command descriptions, which are in alphabetical order.
- o Section 4 is a sample terminal session.

There are two appendices: one that summarizes the commands that can be used by each privilege class and authorization code, and one that lists format descriptions of commands. Managers and administrators must be familiar with TSS. IBM Time Sharing System: Concepts and Facilities, GC28-2003, contains an introduction to the system. In addition, they need to know how to operate the terminals that are used with the system. Instructions on operating terminals are given in IBM Time Sharing System: Terminal User's Guide, GC28-2017. Systems Reference Library Manual, 45 pages
//36/TSS//

GC28-2025

IBM TIME SHARING SYSTEM FORTRAN IV PROGRAMMER'S GUIDE I

This publication describes how to use the IBM Time Sharing System (TSS) for compiling and executing programs written in the FORTRAN IV language. It also describes how to use the services and features of TSS that, while not directly related to FORTRAN programming, are frequently of use to the FORTRAN programmer.

Systems Reference Library Manual, 162 pages
//25/TSS//

GC28-2026

IBM TIME SHARING SYSTEM FORTRAN IV LIBRARY SUBPROGRAMS

This publication describes the FORTRAN IV library subprograms provided with IBM Time Sharing System (TSS) and provides the information necessary to use the subprograms in either a FORTRAN IV or an assembler-language program.

Systems Reference Library Manual, 65 pages
//25/TSS//

GC28-2028

IBM TIME SHARING SYSTEM TEST AND MAINTENANCE USER'S GUIDE
This publication describes, for the IBM Time Sharing System (TSS), how to use the On Line Test System (OLTS), and how to retrieve system error recordings using the Error Recording Edit and Print (EREP7/VMREP) procedures. 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, 58 pages
//37/TSS//

GC28-2032

IBM TIME SHARING SYSTEM ASSEMBLER PROGRAMMER'S GUIDE
This publication explains the use of the Time Sharing System (TSS) for assembler language programmers. It describes how to assemble, store, and execute programs in TSS, introduces the command system, and explains the basic rules of task and data management. Numerous examples are given showing typical user-system interaction. The appendixes include information on assembler options, output, and restrictions, as well as program control system use, interrupt handling, and command creation.
Systems Reference Library Manual, 191 pages
//21/TSS//

GC28-2033

IBM TIME SHARING SYSTEM OPERATOR'S GUIDE
This guide presents the basic information an operator needs to run the IBM Time Sharing System. The book is divided into four main parts. These parts present a general view of the system, descriptions of the commands used by the operator, an explanation of the operator's terminal, and procedures the operator uses to run the system. Additional information that supplements the operator's knowledge of the system is presented in the appendixes. These appendixes include a description of the system control panel, a definition of the types of data set names, an explanation of device addresses, and summaries of the formats of the operator's commands and the TSS commands.

The system operator should be familiar with IBM Time Sharing System: Concepts and Facilities, GC28-2003.
Systems Reference Library Manual, 56 pages
//40/TSS//

GC28-2034

IBM TIME SHARING SYSTEM MULTITERMINAL TASK PROGRAMMING & OPERATION
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
//34/TSS//

GC28-2038

IBM TIME SHARING SYSTEM INDEPENDENT UTILITIES
Explains the use of the independent utility programs that support the IBM Time Sharing Systems (TSS), and describes their features, functions, capabilities, control statements, and record formats.

The independent utility programs are primarily intended to assist the systems programmer and operator to initialize, copy, restore, and print the contents of direct access storage devices.

- The programs are:
- o direct access storage device initialization (DASDI)
 - o direct access storage device dump/restore (DASDDR)
 - o direct access storage device print (DADUMP)
 - o system/370 memory dump
 - o VAM2 utility (VAM2UT)

Before using this book, be familiar with the contents of: IBM Time Sharing System: Concepts and Facilities, GC28-2003 and Operator's Guide, GC28-2033.
Systems Reference Library Manual, 39 pages
//32/TSS//

GC28-2045

IBM TIME SHARING SYSTEM PL/I LANGUAGE REFERENCE MANUAL
This publication is a companion volume to IBM Time Sharing System: PL/I Programmer's Guide, GC28-2049. Together the two books form a guide to the writing and execution of PL/I programs under the control of an IBM Time Sharing System that includes the PL/I compiler.
Systems Reference Library Manual, 353 pages
//29/TSS//

GC28-2046

IBM TIME SHARING SYSTEM PL/I LIBRARY COMPUTATIONAL SUBROUTINES
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, 49 pages
//29/TSS//

GC28-2048

IBM TIME SHARING SYSTEM - A PRIMER FOR FORTRAN IV USERS PROGRAM NUMBER 360S-CI-555

A subset of the IBM Time Sharing System (TSS) 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 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 manuals such as Command System User's Guide, Form C28-2001, and FORTRAN Programmer's Guide, Form C28-2025.

This book contains basic information on the kinds of terminals that can be used with TSS. If more information is needed, see Terminal User's Guide, C28-2017.
Manual, 51 pages
//20/TSS//

GC28-2049

IBM TIME SHARING SYSTEM PL/I PROGRAMMER'S GUIDE

This publication is a companion volume to IBM Time Sharing System: PL/I Language Reference Manual, GC28-2045. Together, the two books form a guide to the writing and execution of PL/I programs under the control of an IBM 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.

Systems Reference Library Manual, 245 pages
//29/TSS//

GC28-2056

IBM TIME SHARING SYSTEM DATA MANAGEMENT FACILITIES

This book is to be used as a reference guide for TSS users of data management facilities. Topics dealt with include: storage classes, unit record devices, data set characteristics, data set sharing, gaining access to data sets, and use of data management facilities. This book is equally useful to assembler, FORTRAN, or PL/I users.

The reader should be familiar with IBM Time Sharing System: Concepts and Facilities, GC28-2003.
Systems Reference Library Manual, 85 pages
//30/TSS//

GC28-2057

IBM 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 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
//38/TSS//

GC28-6394

DOS FULL ANS COBOL, PROG. NOS. 360N-CB-482 (V1 & V2), 5736-CB2, LM2 (V3), 5746-CB1, LM4 (DOS/VS)

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
/////5746-LM4,5746-CB1,5736-LM2,5736-CB2

GC28-6396

IBM OS FULL ANS COBOL, PROG. NOS. 360S-CB-545 (V2), 5734-CB1 (V3), 5734-CB2 (V4 COMP & LIB), 5734-LM2 (V4 LIB ONLY), 5740-CB1 (OS/VS COMP & LIB), 5740-LM1 (OS/VS LIB ONLY) PROGRAMMER'S REFERENCE MANUAL
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
/////5734-CB2,5734-CB1,5740-LM1,5740-CB1,5734-LM2

GC28-6402

IBM SYSTEM/360 DISK OPERATING SYSTEM: AMERICAN NATIONAL STANDARD SUBSET COBOL COMPILER GENERAL INFORMATION MANUAL
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.
Manual, 12 pages
/////5736-CB1

GC28-6403

IBM SYSTEM/360 DISK OPERATING SYSTEM: AMERICAN NATIONAL STANDARD SUBSET COBOL MANUAL, PROG. NO. 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
/////5736-CB1

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
/////5734-CB1

GC28-6421

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

GC28-6431

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
/////5734-CB2,5734-LM2

SC28-6432

OS FULL ANS COBOL COMPILER & LIBRARY VERSION 3 INSTALLATION REFERENCE MANUAL, PROG. PROD. 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 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
/////5734-CB1

SC28-6433

IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION COBOL PROMPTER TERMINAL USER'S GUIDE AND REFERENCE INFORMATION PROGRAM NUMBER 5734-CB1
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.

Manual, 8-1/2 x 11, 54 pages
 ////5734-CP1

SC28-6434

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 this 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 used response 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
 ////5734-CP1

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
 360,370//24/OTSO//

GC28-6436

OS FULL ANS COBOL COMPILER & LIBRARY VERSION 3
 PROG. PROD. 5734-CB1 SPECIFICATIONS

This flyer describes 360 ANS COBOL Version 3 specifications for OS.

Flyer, 4 pages
 360,370//24/OS,OTSO,OASP,CALL//

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
 ////5734-CB1

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
 ////5736-CB1

SC28-6439

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

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
 ////5736-CB1

SC28-6441

DOS FULL ANS COBOL COMPILER & LIBRARY VERSION 3
 PROGRAMMER'S GUIDE, PROG. PRODUCTS 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
 ////5736-CB2,5736-LM2

SC28-6442

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

This publication contains system related information needed to make most effective use of the Program Product IBM Full American National Standard COBOL Compiler, Version 3, and its associated COBOL Object-time Subroutine Library under the control of the IBM Disk Operating System.

This publication contains 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. It describes the system requirements, work file requirements, IOCS module requirements, and storage requirements for the Version 3 compiler and library. It also describes the installation procedure for adding the compiler and library to an existing operating system. This section supplements DOS System Generation, Order No. GC24-5033.

The second section, "Operator Messages," is directed to the console operator. Each section is designed to supplement an existing IBM Disk Operating System Publication.

Manual, 70 pages
 ////5736-CB2,5736-LM2

GC28-6443

IBM DOS FULL ANS COBOL COMPILER VERSION 3, PROG. PROD.
 5736-CB2 SPECIFICATIONS

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
 360,370//24/DOS,//

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
 360,370//24/DOS,//

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
/////5734-CB1,5734-CB4

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
/////5734-CB2,5734-LM2

SC28-6458

IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 4, INSTALLATION REFERENCE MATERIAL, PROG. NOS. 5734-CB2, LM2
This publication contains system related information needed to install and make effective use of the Program Product IBM OS Full American National Standard COBOL Compiler and Library, Version 4 (Program Number 5734-CB2) and its associated COBOL Object-time Subroutine Library (Program Number 5734-LM2). Both program products can be installed under either OS or the Conversational Monitor System (CMS) of the IBM Virtual Machine Facility/370 (VM/370).
The section "Operating Instructions" is directed to the console operator. It 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. The remaining sections of the manual are directed to the system programmer or planner who is responsible for operating system generation and maintenance.
The installation sections of the manual describe the system requirements for the program products and the procedure needed to add the program products to an operating system. The OS installation sections supplement IBM System/360 Operating System: System Generation, Order No. GC28-6554. A module summary of both the compiler and library is also included in the "Module Summary" section. The "Storage Estimates" section supplements IBM System/360 Operating System: Storage Estimates, Order No. GC28-6551.
Manual, 84 pages
/////5734-CB2,5734-LM2

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
360,370//24/OS,OASO,OASP,CALL//

SC28-6465

IBM OS COBOL INTERACTIVE DEBUG TERMINAL USER'S GUIDE AND REFERENCE - PROGRAM NUMBER 5734-CB4
The text has been revised to describe how COBOL Interactive Debug operates under CMS, the Conversational Monitor System. Major additions include:
o CMS TESTCOB command
o CMS steps prior to entering TESTCOB mode
o TESTCOB/CMS interface messages
o Virtual machine size estimates under CMS
Manual, 166 pages
/////5734-CB4

SC28-6468

IBM OS 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
/////5734-CB4

SC28-6469

IBM VM/370 CMS USER'S GUIDE FOR COBOL, PROG. NOS. 5734-CB2, 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
/////5734-CB2,5734-LM2,5746-LM4,5746-CB1,5740-LM1,5740-CB1

GC28-6470

IBM OS/VS COBOL COMPILER AND LIBRARY GENERAL INFORMATION PROGRAM PRODUCTS 5740-CB1, 5740-LM1
Contains information to aid data systems planners and analysts in evaluating and planning for the use of the OS/VS COBOL Compiler and Library Program Product.
OS/VS COBOL operates under control of OS/VS1 or OS/VS2 (with or without TSO), and with restrictions under the CMS component of VM/370; it processes COBOL source programs in an OS virtual environment. OS/VS COBOL includes all eight processing modules of American National Standard COBOL, X3.23-1968 and International Standard ISO/R 1989-1972 Programming Language COBOL; CODASYL-specified and IBM-specified extensions are also included.
Brief descriptions of Compiler and Library capabilities are provided - including as major features support for VSAM entry-sequenced and key-sequenced data sets, the MERGE statement, the FIPS (Federal Information Processing Standard) Flagger, and the Lister Facility (which provides a specially formatted source listing with embedded cross references). System requirements and data set and programming compatibility are described. A complete description of the language implementation is also included.
This publication is an aid in evaluation and planning; it is not intended to be used as a specification manual.
Manual, 60 pages
/////5740-CB1,5740-LM1

GC28-6472

OS/VS COBOL COMPILER AND LIBRARY, SPECIFICATIONS - PROG. NOS. 5740-CB1 (COMPILER & LIBRARY) 5740-LM1 (LIBRARY ONLY)
This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product.
Flyer, 6 pages
/////5740-LM1,5740-CB1

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
/////5746-CB1,5746-LM4

SC28-6478

IBM DOS/VS COBOL COMPILER AND LIBRARY PROGRAMMER'S GUIDE
This publication describes how to compile a COBOL program using the Program Product IBM DOS/VS 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. This publication explains features of the DOS/VS Compiler and Library, and available options of the operating system.
This publication is primarily intended for programmers who are running COBOL programs compiled on the DOS/VS Compiler, under the control of the IBM Disk Operating System Virtual Storage.
Manual, 360 pages
/////5746-CB1,5746-LM4

SC28-6479

IBM DOS/VS COBOL COMPILER AND LIBRARY INSTALLATION REFERENCE MATERIAL - PROGRAM NUMBERS 5746-CB1 AND 5746-LM4
This publication contains system related information needed to make most effective use of the Program Product IBM DOS/VS COBOL Compiler and its associated COBOL Object-time Subroutine Library under the control of the IBM DOS/VS System.
This publication contains 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. It describes the system requirements, work file requirements, IOCS module requirements, and storage requirements for the DOS/VS compiler and library. It also describes the installation procedure for adding the compiler and library to an existing operating system. This section supplements DOS/VS System Generation, Order No. GC33-5377.

The second section, "Diagnostic Messages," is directed to the console operator. Each section is designed to supplement an existing IBM DOS/VS System publication. Manual, 84 pages
 ////5746-CB1,5746-LM4

SC28-6481

IBM OS/VS COBOL COMPILER AND LIBRARY INSTALLATION REFERENCE MATERIAL PROG. NOS. 5740-CB1, 5740-LM1

This publication contains information pertaining to the installation, maintenance, and console operation of the IBM OS/VS COBOL compiler and/or its associated COBOL object time Subroutine Library under OS/VS and under VM/370 (CMS). This information includes: the systems requirements and procedures needed to add the compiler and/or library to an operating system; special operator instructions; compiler and library module summaries and storage requirements; and storage requirements for using either the symbolic debugging features of the compiler or the Program Product IBM OS COBOL Interactive Debug. Manual, 874 pages
 ////5740-CB1,5740-LM1

SC28-6483

IBM OS/VS COBOL COMPILER AND LIBRARY PROGRAMMER'S GUIDE PROG. NO. 5740-CB1, 5740-LM1

This publication describes how to compile a COBOL program using the IBM OS/VS COBOL compiler and library. It also describes how to link edit the resulting object module and how to execute the program. The manual includes a description of the output from the compile, link edit, and execute steps. This manual explains the features of the OS/VS compiler and library and the applicable options of the operating system. Manual, 572 pages
 ////5740-CB1,5740-LM1

GC28-6485

IBM OS COBOL INTERACTIVE DEBUG, PROG. PROD. 5734-CB4 SPEC'S
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Program Product Specifications, 4 pages
 360,370//24/OS,OTSO,OASP,CALL//

SC28-6486

IBM DOS RPG II COMPILER & AUTO REPORT FEATURE INSTALLATION REFERENCE MATERIAL - PROGRAM NUMBER 5736-RG1

This publication contains system-related information needed to install both the DOS RPG II compiler and its associated Auto Report Feature, program products that operate under control of the IBM DOS and DOS/VS operating systems. Manual, 82 pages
 ////5736-RG1

GC28-6487

DOS/VS COBOL COMPILER AND LIBRARY PROG. NOS. 5746-CB1 (COMPILER AND LIBRARY) 5746-LM4 (LIBRARY ONLY)

This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product. Flyer, 6 pages
 ////5746-CB1,5746-LM4

GC28-6515

IBM SYSTEM/360 AND SYSTEM/370 FORTRAN IV LANGUAGE - PROG PROD 5748-FO2

This publication describes and illustrates the use of the FORTRAN IV language for the IBM System/360 and System/370 Operating System, and for the IBM System/360 and System/370 Disk Operating System. Systems Reference Library Manual, 128 pages
 360,370//28///

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 and Disk Operating System. Manual, 56 pages
 ////2947/5799-WAG,5799-WAF

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
 360,370//30/DOS,OS,OTSO,OASP,CALL/2947/

GC28-6758

IBM SYSTEM/360 OPERATING SYSTEM DATA SET UTILITIES SUPPORT FOR ASC II (PPDO) PROG. NO. 5734-UT2 PROGRAM PRODUCT DESIGN OBJECTIVES

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
 360,370//32/OS,OTSO,OASP,CALL//

GC28-6759

OS/MFT, 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
 360,370//32/OS,OTSO,OASP,CALL//

SC28-6760

OS/MFT, 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
 ////5734-UT2

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
 /C/39///5752,5742

SC28-6765

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

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
 ////5734-UT1

SC28-6767

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

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
 ////5734-UT1

GC28-6794

GUIDE TO PL/S II

The PL/S II compiler is a proprietary program used by IBM to develop other programs that are made generally available. This provides general information on understanding and interpreting PL/S II listings. The book also provides some guidelines on how to modify compiler generated assembler code. Readers will be experienced systems programmers who need to understand and possibly modify operating system modules. They should know the basic assembler language such as PL/I.

Manual, 56 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SC28-6808

A PL/I PRIMER: STUDENT TEXT

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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

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 ITF:PL/I becomes available.

Program Product Manual, 26 pages
 ////5736-RC1,5734-RC1,5734-RC3,5734-RC2,5736-RC2,5734-RC4

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

////5734-RC1,5736-RC1

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.

Manual, 233 pages
 ////5734-RC1,5736-RC1

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
 ////5736-RC2,5734-RC3,5736-RC1,5734-RC1

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
 ////5734-RC1,5736-RC1,5734-RC3,5736-RC2

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 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
 ////5734-RC2

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
 ////5734-RC2,5734-RC4

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
 ////5734-RC2,5734-RC4

////5734-F03,5734-LM3,5734-F03

SC28-6853

IBM OS CODE AND GO FORTRAN AND FORTRAN IV (G1) PROGRAMMER'S
GUIDE, PROG. NOS. 5734-F01, 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.

Manual, 190 pages
 ////5734-F01,5734-LM1,5734-F02,5734-F01,5734-F02

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/1 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
 ////5734-RC2,5734-RC4

GC28-6854

FORTRAN IV (G1) PROCESSOR FOR OS & VM/370 (CMS): PROG.
PROD. 5734-F02 SPECIFICATIONS

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Program Product Specifications, 2 pages
 360,370//25/OS,OTSO,OASP,CALL//

SC28-6842

IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION)
CODE AND GO FORTRAN PROCESSOR-TERMINAL USER'S GUIDE
 PROGRAM NUMBERS 5734-F01, 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) of compiler-related and load module execution diagnostic messages.

Program Product Manual, 186 pages
 ////5736-CB2,5736-LM2,5734-LM1,5734-F01,5734-F01

SC28-6855

OS (TSO) TERMINAL USER'S SUPPLEMENT FOR FORTRAN IV (G1)
PROCESSOR AND TSO FORTRAN PROMPTER, 5734-F02, -CP3, -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
 ////5734-F02,5734-CP3,5734-LM1,5734-F03,5734-F03,5734-F02

SC28-6856

FORTRAN IV (G1) PROCESSOR AND TSO FORTRAN PROMPTER FOR OS
AND VM/370 (CMS): INSTALLATION REFERENCE MATERIAL, PROG.
NOS. 5734-F02, 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
 ////5734-F02,5734-CB3,5734-F03,5734-F03,5734-F02

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

360,370//25/OS,OTSO,OASP,CALL//

SC28-6858

FORTRAN IV LIBRARY (MOD I) FOR OS & VM/370 (CMS):
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

SC28-6852

IBM SYSTEM/360 OPERATING SYSTEM: FORTRAN IV (H EXTENDED)
COMPILER, PROGRAMMER'S GUIDE - PROGRAM NUMBER 5734-F03
 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

/////5734-LM1

SC28-6859

CODE AND GO FORTRAN PROCESSOR FOR OS & VM/370 (CMS);
INSTALLATION REFERENCE MATERIAL, PROG. NO. 5734-F01
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 Co compiler, as well as for the system programmer responsible for maintaining it within the system.
Manual, 60 pages
/////5734-F01,5734-F01

SC28-6861

FORTRAN IV (H EXTENDED) COMPILER AND FORTRAN LIBRARY
(MOD II) FOR OS & VM/370 (CMS); INSTALLATION REFERENCE
MATERIAL, PROG. NOS. 5734-F03, 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
/////5734-F03,5734-LM3,5734-F03

GC28-6862

IBM SYSTEM/360 OPERATING SYSTEM: FORTRAN IV (H EXTENDED)
COMPILER PROGRAM PRODUCT SPECIFICATIONS
PROGRAM NUMBER 5734-F03
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Specifications, 2 pages
360,370//25/OS,OTSO,OASP,CALL//

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
360,370//25/OS,OTSO,OASP,CALL//

SC28-6864

FORTRAN IV MATHEMATICAL AND SERVICE SUBPROGRAMS: SUPPLEMENT
FOR MOD I & MOD II LIBRARIES, PROG. NOS. 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
/////5734-LM1,5734-LM3

SC28-6865

IBM OS FORTRAN IV (H EXTENDED) COMPILER AND LIBRARY (MOD II)
MESSAGES, PROG. NOS. 5734-F03, 5734-LM3
This publication contains a detailed description of the messages generated by the FORTRAN IV (H Extended) Compiler and the FORTRAN IV Library (Mod II) program products that operate under control of the IBM System/360 or System/370 Operating System.
Manual, 152 pages
/////5734-F03,5734-LM3,5734-F03

SC28-6868

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
/////5799-AAW

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
360,370//25/DOS//

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
//38//5741

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
//38//5741

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
360,370//25/DOS//

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
/////5746-LM3

GC28-6884

IBM FORTRAN PROGRAM PRODUCTS FOR OS AND THE CMS COMPONENT OF
VM/370: GENERAL INFORMATION, PROG. NOS. 5734-F01,2,3,5
-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
/////5734-LM1,5734-F03,5734-F02,5734-F01,5734-F05,5734-CP3,
5734-LM3,5734-F03,5734-F02,5734-F01

SC28-6885

FORTRAN INTERACTIVE DEBUG FOR OS (TSO) & VM/370 (CMS):
TERMINAL USER'S GUIDE, PROG. NO. 5734-F05

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
/////5734-F05,5734-F05

SC28-6886

FORTRAN INTERACTIVE DEBUG FOR OS (TSO) & VM/370 (CMS):
INSTALLATION REFERENCE MATERIAL, PROG. NO. 5734-F05

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
/////5734-F05,5734-F05

SC28-6891

IBM VM/370 (CMS) TERMINAL USER'S GUIDE FOR FORTRAN IV
PROGRAM PRODUCTS 5734-F01, -F02, -F03, -LM1, & -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
/////5734-F01,5734-LM1,5734-F03,5734-F02,5734-LM3,5734-F03,
5734-F02,5734-F01

GC28-6894

FORTRAN IV LIBRARY (MOD I) FOR OS & VM/370 (CMS), PROG.
PROD. 5734-LM1 FUNCTIONAL DESCRIPTION

This document contains a functional description of FORTRAN IV Library (Model I) which augments the FORTRAN IV Library by supporting the following:

1. List-directed I/O statements
2. Direction of PAUSE and STOP statement messages to a terminal
3. More accurate conversion routines for all data, providing the same results as conversions by the FORTRAN IV (G1) and Code and Go FORTRAN compilers
4. Under OS, tape data sets written in the American National Standard Code for information interchange (also referred to as ASCII)

Flyer, 1 page
360,370//25/OS,OTSO,OASP,CALL//

GC28-6895

OS (TSO) INTERACTIVE TERMINAL FACILITY: PL/I AND BASIC,
FUNCTIONAL DESCRIPTION - PROG NOS. 5734-RC2; 5734-RC4
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
360,370//39/OTSO//

GC28-6897

OS INTERACTIVE TERMINAL FACILITY: PL/I AND BASIC - PROG.
NOS. 5734-RC1, 5734-RC3, - FUNCTIONAL DESCRIPTION
This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C.
The OS Interactive Terminal Facility (ITF) provides problem solvers with PL/I and/or BASIC programming in a time-sharing environment.
Users can build, modify, save, retrieve, execute, and debug PL/I and/or BASIC programs from remote terminals, many of which may be sharing the computer's CPU time simultaneously.
Flyer, 4 pages
360,370//29/OS,OTSO,OASP,CALL//

SC28-8300

B IS FOR BASIC: AN INTRODUCTION TO VS BASIC UNDER CMS
PROG. NO. 5748-XX1

This book is an elementary text describing a subset of the VS Basic Language as it is used under MCS. It is intended for readers who are unfamiliar with BASIC, with programming, and with computers. Readers with technical backgrounds, and readers who are already familiar with BASIC, should read the VS Basic Language Reference Manual, Order No. GC28-8303, which contains a full description of the language, and the VS Basic CMS terminal User's Guide, Order No. SC28-8306, Basic under CMS.

This contains a more detailed description of how to use VS Basic under CMS.
The technical information contained in this book is summarized in a detachable reference guide appended to the back cover.

Manual, 190 pages
/////5748-XX1

GC28-8302

IBM SYSTEM/370 VS BASIC GENERAL INFORMATION - PROGRAM NUMBER
5748-XX1

This publication is for installation managers and system programmers responsible for planning an installation of the IBM program product VS BASIC under one of the virtual storage operating systems: VM/370; OS/VS2 with TSO; or the IBM program product VS Personal Computing (VSPC). The publication aids in evaluating VS BASIC. It provides general information about the characteristics and capabilities of VS BASIC: it lists and discusses the statements, functions, and constants of the language; describes the environments in which VS BASIC operates; and summarizes related publications where the reader can obtain more specific product information.

describes the environments in which VS BASIC operates; and summarizes related publications where the reader can obtain more specific product information.
Manual, 39 pages
/////5748-XX1

GC28-8303

SYSTEM/370 VS BASIC LANGUAGE

This publication describes and illustrates the use of the VS BASIC Language. The first part presents language statement in a functional manner, taking the reader through various steps in planning a program. The second part is a reference section and presents VS BASIC language syntax and rules of usage.

The publication is intended to be used with an accompanying Terminal User's Guide or Programmer's Guide for the appropriate operating environment.

Manual, 200 pages
/////5748-XX1

SC28-8304

SYSTEM/370 VS BASIC TSO TERMINAL USER'S GUIDE PROGRAM
NUMBER 5748-XX1

This publication provides the tutorial and reference information necessary to use the VS BASIC language to develop programs under the Time Sharing Option (TSO) of VS2. The first part of the book contains detailed explanations of that portion of the TSO language relevant to the needs of the typical VS BASIC user. Among the topics discussed are creating and modifying programs, using stream and record files in programs, the interactive debug facility, and special implementation considerations. The second part of the book contains reference information for the commands discussed in the first part.

Manual, 148 pages
/////5748-XX1

SC28-8306

SYSTEM/370 VS BASIC CMS TERMINAL USER'S GUIDE
PROG. NO. 5748-XX1

This publication provides the tutorial and reference information necessary to use the VS BASIC language to develop programs under the Conversational Monitor System

(CMS) component of the Virtual Machine Facility/370 (VM/370). It contains detailed explanations of that portion of the VM/370 Command Language directly relevant to the needs of the typical VS BASIC user, a sample terminal session, a discussion of the interactive debugging commands, and other reference information, including a description of the batch processing facility.

Manual
 ////5748-XX1

SC28-8308

SYSTEM/370 VS BASIC DOS/VS AND OS/VS PROGRAMMER'S GUIDE
PROG. NO. 5748-XX1

This publication is directed to the VS BASIC user programming in the batch environment of OS/VS (VS1 or VS2) or DOS/VS, and describes how to compile and execute a program written in VS BASIC, a program product. It contains information about processor options used with the program product, and about job control statements needed to run the product.

It is intended to be used with System/370 VS BASIC Language, Order No. GC28-8303, to provide a complete guide to running VS BASIC in a batch environment.

No previous experience with either DOS/VS or OS/VS is required for use of this publication.

Manual
 ////5748-XX1

SC28-8309

SYSTEM/370 VS BASIC INSTALLATION REFERENCE MATERIAL
PROGRAM NUMBER 5748-XX1

This publication provides installation personnel with information on how to install the VS BASIC processor under OS/VS, DOS/VS, TSO, CMS and VSPC. Included with the step-by-step procedure for each environment are storage information and system programmer considerations.

This publication is essentially supplemental, in that it assumes the availability or familiarity with other system publications pertaining to the use of the environment under which VS BASIC is to operate.

Manual, 132 pages, 1/76
 ////5748-XX1

SC28-8310

B IS FOR BASIC AN INTRODUCTION TO VS BASIC UNDER CMS
PROG. NO. 5748-XX1

This book is an elementary text describing a subset of the VS BASIC language as it is used under CMS. It is intended for readers who are unfamiliar with BASIC, with programming, and with computers. Readers with technical backgrounds, and readers who are already familiar with BASIC, should read the VS BASIC Language Reference Manual, Order No. GC28-8303, which contains a full description of the language, and the VS BASIC CMS Terminal User's Guide, Order No. SC28-8306, which contains a more detailed description of how to use VS BASIC under CMS.

The technical information contained in this book is summarized in a detachable reference guide appended to the back cover.

Manual
 ////5748-XX1

GC28-8311

SYSTEM/370 VS BASIC, PROG. PROD. 5748-XX1 SPECIFICATIONS
 The VS BASIC processor, which operates in time-sharing and batch environments, is used for compiling and executing programs written in the BASIC Language.

With VS BASIC, the user can execute a program immediately after compilation or can store it and execute it at a later time.

VS BASIC is designed to operate in virtual storage systems. It operates in the time-sharing environments: CMS (Conversational Monitor System) of VM/370 and TSO (Time Sharing Option) under VS2, and as a batch compiler under control of VS1, VS2, DOS/VS, and CMS. This publication replaces the Program Product Design Objectives, Order No. GX28-8301, at release time. It is aimed at customer employees and prospective customers responsible for planning and maintaining an installation. It provides information upon which the IBM Warranty and License Agreement for the product is based. It describes the program product functions and capabilities, programming system information, compatibility considerations, reference material, and Programming Service Classification. Specification sheet, 2 pages, 4/76
 ////5748-XX1

GC28-8313

VIDEO/370 INCLUDING THE CICS FEATURE GENERAL INFORMATION
PROGRAM NUMBERS 5734-RC5 AND 5736-RC3

This publication gives an overview of IBM's VIDEO/370 system. The information herein is intended primarily for management personnel as an aid in planning and evaluation. Publications to assist in the actual operation of VIDEO/370 are listed under "Reference Material" on page 19.

Manual, 22 pages
 ////5734-RC5, 5736-RC3

GC29-8300

IBM VIRTUAL MACHINE FACILITY/370: ENVIRONMENTAL RECORDING
EDITING AND PRINTING (EREP) PROGRAM

This publication is intended for system operations, programmers, and administrators involved in using the CPERP (Control Program Environmental Recording Editing and Print Program) to edit and print error information and other system data contained on the VM/370 error recording cylinders.

Manual, 27 pages, 2/76
 //37//5749

GC30-1011

OS/VS2 MVS TCAM 9 SELECTABLE UNIT SYSTEM INFORMATION
SUID 5752-802

No abstract available.
 Manual, 12 pages
 ////5752-802

GC30-2012

OS/MFT, OS/MVT, AND OS/VS1: CRJE CONCEPTS AND FACILITIES

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
 360,370//38/OS,OTSO,OASP,CALL//

GC30-2014

OS/MFT, OS/MVT, AND OS/VS1: CRJE TERMINAL USER'S GUIDE

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
 360,370//38/OS,OTSO,OASP,CALL//

GC30-2016

OS/MFT, OS/MVT, AND OS/VS1: CRJE SYSTEM PROGRAMMER'S GUIDE

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
 360,370//38/OS,OTSO,OASP,CALL//

GC30-2025

OS TCAM (LEVELS 4 & 5) USER'S GUIDE: VS2 REL 1.6, 1.7
OS REL 21.8

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
 /C/30//5742,5741

GC30-2034

OS/VS TCAM (LEVEL 4) PROGRAMMER'S GUIDE

This book is a 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, 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
/C/30///5742

/C/30///5742

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
/C///5744-AW1

GC30-2037

OS/VS TCAM (LEVELS 4 & 5), SCP 5742, 5744-AW1/2:
VS2 REL 1.6, 1.7, 2; VS1 REL 4

For users of TCAM (Telecommunications Access Method), Level 5 and above; VS1 and VS2. This book familiarizes the operator with TCAM procedures and commands, and provides a convenient reference. For more details on Level 5 TCAM and the operators commands, see the OS/VS TCAM Programmer's Guide, Order No. GC30-2044.
Manual, 40 pages
/C/30///5744-AW1,5744-AW2,5742

GC30-2038

OS/VS TCAM LEVEL 5 COMPONENT RELEASE GUIDE,
SCP 5742, 5744-AW2

This publication contains changes and additions to OS/VS publications as a result of component releases 2, 4, and 5 of VS TCAM. A vertical line to the left of an entry in this publication indicates a change that corresponds to Component Release 5; all other changes correspond to Component Release 2 or 4. Publications updated by this document 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/VS Message Library: Routing and Descriptor Codes - GC38-1004
OS/VS 1 System Generation Reference - GC26-3791
OS/VS 2 System Generation Reference - GC26-3792
OS/VS 1 Storage Estimates - GC24-5094
OS/VS 2 Storage Estimates - GC28-0604
OS/VS 2 System Data Areas - SY28-0606
OS/VS1 Supervisor Logic - SY24-5155
OS/VS2 TSO Command Language Reference - GC28-0646
OS/VS2 TSO Guide - GC28-0644

Manual, 151 pages
/C/30///5742,5744-AW2

GC30-2041

OS/VS2 TCAM (LEVEL 9) PROGRAMMER'S GUIDE

For users of TCAM (Telecommunications Access Method). This book is a coding guide for the programmers who must construct or modify a TCAM message control program (MCP) or write a TCAM - compatible application program. It also explains how to use a variety of auxiliary service facilities. It contains information that might be of use in planning and setting up a teleprocessing system incorporating TCAM/VTAM (Virtual Telecommunications Access Method) and SNA (Systems Network Architecture). The reader should be familiar with OS/VS TCAM Concepts and Facilities, GC30-2042.

Manual, 800 pages
/C/30///5752

GC30-2042

OS TCAM (LEVELS 8 & 9) CONCEPTS AND FACILITIES

This publication is an introduction to the Telecommunications Access Method (TCAM) for persons requiring either a general knowledge of TCAM, or a basic understanding before studying more detailed documentation.

Readers should have a general knowledge of data processing and the IBM operating systems.

Manual, 60 pages
/C/30///5741,5752

GC30-2044

OS/VS TCAM LEVELS 5 & 6 PROGRAMMER'S GUIDE: VS2 REL 1.6, 1.7

For users of TCAM (Telecommunications Access Method), Level 5 and above; VS1 and VS2. Incorporates TSO (VS2 only). This book is a coding guide for the programmers who must construct or modify a TCAM message control program (MCP) or write a TCAM-compatible application program. It also explains how to use a variety of auxiliary service facilities. It also has information that might be of use in planning and setting up a teleprocessing system incorporating TCAM. The reader should be familiar with OS TCAM Concepts and Facilities, Order No. GC30-2022.
Manual, 820 pages

GC30-2045

OS/VS TCAM (LEVELS 8 & 9) USER'S GUIDE)

The OS/VS TCAM User's Guide is a publication 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.
Manual, 350 pages
/C/30///5741,5752

GC30-2046

OPERATOR'S LIBRARY: OS/VS2 TCAM (LEVELS 8 & 9)

For users of TCAM (Telecommunications Access Method). This book familiarizes the operator with TCAM procedures and commands, and provides a convenient reference. For more details on Level 8 TCAM and the operator commands, see the TCAM Programmer's Guide, order OS/VS2, No. GC30-2040.
Manual, 40 pages
/C/30///5752

GC30-2047

OPERATOR'S LIBRARY: OS/VS1 TCAM (LEVELS 8 & 9)

The OS/VS1 TCAM Operator's Library is a module in the OS/VS Operator's Library for the operator of teleprocessing systems using the VS1 Operating System and the Telecommunications Access Method (TCAM). It familiarizes the operator with TCAM procedures and commands, and provides a convenient reference. A familiarity with data processing is assumed, however a knowledge of teleprocessing would be helpful.

The material in this publication was previously contained in the Operator's Library: OS/VS TCAM, GC30-2037 which was a combination VS1 and VS2 publication. Beginning with VS1 release 3.1 this publication contains VS1 TCAM Operator's Library information, while VS2 TCAM Operator's Library information continues in the publication Operator's Library:OS/VS TCAM, GC30-2037

A summary of the commands has been placed at the beginning of this guide for easy reference.

Technical terms used in this publication are defined in A Data Processing Glossary, GC20-1699. For more details about OS/VS TCAM and the operator commands, see the OS/VS TCAM Programmer's Guide, GC30-2054.
Manual, 30 pages
/C/30///5741

GC30-2049

OS/VS TCAM (W/NCP/VS FOR SNA) CONCEPTS & APPLICATIONS

This is a new publication that introduces the Telecommunications Access Method (TCAM) with direct network control program/virtual storage (NCP/VS) support. This version of TCAM supports IBM's System Network Architecture (SNA) without the Virtual Telecommunications Access Method (VTAM); it operates with OS/VS1, Multiple Virtual Storage (MVS), or Single Virtual Storage (SVS). This manual is for persons requiring a general knowledge of TCAM--data processing managers, system programmers, and application programmers. It describes how TCAM operates with an IBM 3704 or 3705 Communications Controller in network control mode.

TCAM can also operate with an IBM 2701 Data Adapter Unit, an IBM 2702 or 2703 Transmission Control Unit, an IBM 7770 Audio Response Unit, or with an IBM 3704 in emulation mode. The reader who plans to use TCAM with any of these control units or with the emulation program should refer to the OS/VS TCAM Concepts and Facilities, GC30-2042. OS/VS Concepts and Applications includes information on:

- o Basic TCAM concepts, such as buffering and queuing
- o How TCAM and NCP/VS operate in a teleprocessing network
- o SNA sessions and changes made to TCAM's structure to add SNA support
- o The message control program and message handlers
- o Use of the Time Sharing Option (TSO) in a TSO-only and a TSO/TCAM mixed environment
- o Design consideration for application programs
- o Network control using application-program macros and operator commands.
- o TCAM's service facilities--online tests, operator control, checkpoint/restart, and debugging aids
- o Hardware configurations supported.

Manual, 76 pages, 6/76
/C/30///5741,5752,5742

GC30-2050

ADVANCED COMMUNICATIONS FUNCTION FOR TCAM-GENERAL INFORMATION, PROG PROD 5735-RC1

This publication introduces Advanced Communications Function for the Telecommunications Access Method (ACF/TCAM). This program product supports IBM's System Network Architecture (SNA) and operates with OS/VS1, Multiple Virtual Storage (MVS), or Single Virtual Storage (SVS). This manual is for persons requiring a general knowledge of ACF/TCAM: data processing managers, system programmers, and application programmers. It describes how ACF/TCAM operates with an IBM 3704 or 3705 Communications Controller in network control mode.

ACF/TCAM can operate with an IBM 2701 Data Adapter Unit, an IBM 2702 or 2703 Transmission Control Unit, an IBM 7770 Audio Response Unit, or with an IBM 3704 or 3705 in emulation mode. The reader who plans to use ACF/TCAM with

any of these control units or with the emulation program should refer to the OS/VS TCAM Concepts and Facilities, GC30-2042, for information on:

- o Line control
- o Invitation and selection of terminals
- o Polling and addressing
- o Error-recovery procedures.

Advanced Communications Function for TCAM General Information includes information on:

- o How ACF/TCAM concepts, such as buffering and queuing
- o How ACF/TCAM and NCP/VS operate in a teleprocessing network
- o SNA sessions and SNA support
- o How ACF/TCAM operates in a multiple-domain network
- o The message control program and message handlers
- o Use of the Time Sharing Option (TSO) in a TSO-only and TSO/TCAM mixed environment
- o Design consideration for application programs
- o Network control using application-program macros and operator commands
- o TCAM's service facilities: online tests, operator control, checkpoint/restart, and debugging aids
- o Hardware configurations supported

Migration considerations.

Manual, 8-1/2 x 11 inches, 90 pgs, 10/76
//30///5735-RC1

GC30-2051

OS/VS TCAM SYSTEM PROGRAMMER'S GUIDE TCAM LEVEL 10 SELECTABLE UNIT (SU) IDENTIFIERS: 5741-602 (OS/VS1 SU ID); 5742-UY99915 (OS/SVS ICR); 5752-836 (OS/MVS SU ID)
For users of TCAM (Telecommunications Access Method). This book is a coding guide for the programmers who must construct or modify a TCAM message control program (MCP). It also explains how to use a variety of auxiliary service facilities. It contains information might be of use in planning and setting up a teleprocessing system incorporating TCAM and SNA (Systems Network Architecture). The reader should be familiar with OS TCAM Concepts and Applications, Order No. GC30-2049.
Manual, 8 1/2 x 11 inches, 596 pgs, 3/77
/C/30///5742,5741-602,5752-836

GC30-2052

OS/VS TCAM MACRO REFERENCE GUIDE, TCAM LEVEL 10 (SU ID 5741-602 AND 5752-836)
This manual presents detailed information on the macro instructions used with the Telecommunications Access Method (TCAM) with direct Network Control Program/Virtual Storage (NCP/VS) support. All of the TCAM and TCAM/TSO macros are discussed at the operand level. The appendixes contain the TCAM message error record, internal and transmission code charts, and macro return codes.
This manual is a reference guide containing no tutorial information. It is assumed that the user is thoroughly familiar with the TCAM System Programmer's Guide before using this book for coding. The reader must also have a basic understanding of systems network architecture.
The user of this manual should be a TCAM system programmer and must be able to code in Assembler language.
Manual, 8 1/2 x 11 inches, 626 pgs, 3/77
/C/30///5742,5741-602,5752-836

GC30-2054

OS/VS1 TCAM (LEVELS 8 & 9) PROGRAMMER'S GUIDE
OS/VS1 TCAM Programmer's Guide - Program No. 5744-AW2 For users of TCAM (Telecommunications Access Method). This book is a coding guide for the programmers who must construct or modify a TCAM message control program (MCP) or write a TCAM-compatible application program. It also explains how to use a variety of auxiliary service facilities. It contains information that might be of use in planning and setting up a teleprocessing system incorporating TCAM/VTAM (Virtual Telecommunications Access Method) and SNA (Systems Network Architecture). The reader should be familiar with OS TCAM Concepts and Facilities, Order No. GC30-2042.
Manual, 792 pages
/C/30///

GC30-2055

SYSTEM/370 SUBSYSTEM SUPPORT SERVICES VERSION 3.1 COMPONENT RELEASE GUIDE
No abstract available
Manual, 20 pages
//30//3600,3601,3602,3650,3651,3660,3661,3790,3791/5741,5742,5745,5752

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
//30//3735/

GC30-3002

3704 & 3705 COMMUNICATIONS CONTROLLERS, EMULATION PROGRAM GENERATION AND UTILITIES, GUIDE AND REFERENCE MANUAL PROG. NOS. 360H-TX-033,35,36; 5735-SCI; 5744-ANI, 5747-AG1
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
//30//3705,3704/

GC30-3003

3704 AND 3705 COMMUNICATIONS CONTROLLERS ASSEMBLER LANGUAGE
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 definition, 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
//30//3705,3704/

GC30-3004

IBM 3704 AND 3705 COMMUNICATIONS CONTROLLERS PRINCIPLES OF OPERATION
This publication is the machine reference manual for the IBM 3704 and 3705 Communications Controllers. It provides a direct comprehensive description of (1) the controllers' functional components, (2) the arithmetic, logical, branching, status switching, and input/output operations, and (3) the priority interrupt scheme.

It is intended to provide any 3704/3705 user with the knowledge of the controller hardware requirements needed to write or modify a 3704 or 3705 control program. The reader is assumed to have a basic knowledge of data processing and teleprocessing systems and to have read the Introduction to the IBM 3704 and 3705 Communications Controllers, GA27-3051, which describes the system briefly and describes the features available.
Manual, 168 pages
//09//3705,3704/

GC30-3005

3704 & 3705 COMMUNICATIONS CONTROLLERS, EMULATION PROGRAM STORAGE & 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 Controller Emulation Program Generation and Utilities, Guide and Reference Manual, GC30-3002. A related publication is the IBM 3705 Communications Controller Principles of Operation, GC30-3004. Manual, 30 pages
//30//3705,3704/

GC30-3006

STORAGE ESTIMATES & PERFORMANCE PLANNING FOR 3704 & 3705 NCP
This publication is a guide to determining the storage requirements of the network control program, versions 1, 2, and 5 (NCP 1, NCP 2, and NCP 5). It is also a guide to help in the planning for the NCP's performance. (The network control program is a control program for the IBM 3704 and 3705 Communications Controllers. It is generated by the user from a library of IBM supplied modules). The manual is directed to systems analysts, systems programmers, IBM systems engineers, and IBM salesmen who are planning for NCP storage estimates and performance. The manual's user should be thoroughly familiar with the generation and utilities manual appropriate for his version of NCP, as follows:

NCP 1 - GC30-3000
NCP 2 - GC30-3007
NCP 5 - GC30-3008
Manual, 93 pages, 10/76
//30//3705,3704/

GC30-3007

3704 & 3705 CONTROL PROGRAM GENERATION & UTILITIES GUIDE & REFERENCE MANUAL (OS/VS TCAM LEVELS 5 & 6 IN VSL; VS2 REL 1.6, 1.7, 2, SCP 5744-BA1

Provides the information necessary to (1) define and generate a network control program/VS for an IBM 3704 or 3705 Communications Controller, (2) load the program into the controller, and (3) dump the contents of controller storage.

The network control program/VS is capable of performing two major categories of functions: network control functions and emulation functions. Either or both categories can be included in a specific network control program. Network control functions control the transmission of data between the central processing unit to which the controller is attached and the remote stations of a teleprocessing network. Limited message processing, such as insertion of data and time into message block the controller to operate as an IBM 2701, 2702, or 2703 Transmission Control Unit, or any combination of the three.

This publication is directed to the systems analyst or systems programmer responsible for defining and generating a network control program and loading it into a 3704 or 3705 communications controller.

The chapters of this book are:

- o Introduce the network control program/VS and summarize the content of the book.
- o Describe the characteristics of the teleprocessing network and the program options that must be considered when defining a program.
- o Give the macro instructions necessary to code a program tailored to a specific installation.
- o Describe the program generation procedure
- o Explain how to use the independent Loader and Dump utility programs.

The appendixes list the teleprocessing devices with which the communications controllers can communicate using the network control program/VS, give diagnostic messages associated with the generation, loading, and dump procedures and provide other reference information.

Prerequisite to use of this publication is a basic understanding of teleprocessing and teleprocessing access methods. A general knowledge of the purposes of the communications controllers is helpful; this may be obtained from Introduction to the IBM 3704 and 3705 Communications Controllers, GA27-3051.

Manual, 320 pages
//30//3704,3705/

GC30-3008

3704 & 3705 CONTROL PROGRAM GENERATION & UTILITIES GUIDE & REFERENCE MANUAL (TCAM 10 SVS - 5742-017)
SCP 5742, 5744-AN1/BA2, 5747-AG1/AJ2

Provides the information necessary to (1) define and generate a Network Control Program/VS for a local or remote IBM 3704 or 3705 Communications Controller; (2) load the program into the controller; and (3) dump the contents of controller storage.

This publication is directed to the systems analyst or systems programmer responsible for performing the above actions.

Prerequisite to use of this publication is a basic understanding of teleprocessing and teleprocessing access methods. A general knowledge of the purposes of the communications controllers may be obtained from the introduction to the IBM 3704 and 3705 Communications Controllers (GA27-3051).

Manual, 8 1/2 x 11 inches, 216 pages, 1/77
/C/30//3704,3705/5744-BA2,5747-AJ2,5747-AG1,5744-AN1,5742

GC30-3009

NETWORK CONTROL PROGRAM/TCAM (LEVELS 5 & 6): NETWORK USER'S GUIDE

This publication is a guide for the user of a communication network controlled by the IBM Network Control Program (NCP) and the Telecommunications Access Method (TCAM). It describes how to generate an efficient NCP/TCAM network, how NCP/TCAM functions, and how to perform problem isolation when necessary.

The user's guide is written primarily for the system programmer who installs a communication network and the IBM field engineering representative who supports its programming.

The two major areas of discussion are how a network functions normally and what to do when it fails. These areas are presented in the following sections.

- o Section 1 - Introduction to the NCP/TCAM network is an overview of the network and its operation.
- o Section 2 - How NCP and TCAM communicate describes the data exchange between NCP in a IBM Communications Controller and TCAM in a host computer.
- o Section 3 - How NCP operates the communications controller discusses the function of NCP within the controller to handle data and ensure its integrity, as well as how to employ the user's own code in block handling routines.
- o Section 4 - How NCP/TCAM controls the communication network explains the data exchange between the computer terminal, the lines, line control, terminals, sessions, connections, and line error recovery.
- o Section 5 - How to diagnose the NCP/TCAM network offers troubleshooting aids and suggestions of what to do when there is a network failure.
- o Finally, there is a collection of reference data for your convenience -- appendixes containing a sample program, reference codes and formats, and generation macros, and a glossary of network terms.

This guide to the network will enhance your understanding of the options available for optimizing performance in your specific network. It can be useful in generating an efficient system and helpful in diagnosing a failure when it occurs. This publication does not attempt to teach the modification of network software; however, it does explain the tools for performing problem determination and suggests some techniques useful in isolating software problems.

Manual, 150 pages
//30//3704,3705/

GC30-3020

TELEPROCESSING PREINSTALLATION GUIDE FOR IBM 3704 AND 3705 COMMUNICATIONS CONTROLLERS

Teleprocessing Preinstallation Guide for IBM 3704 and 3705 Communications Controllers GC30-3020)

This publication lists the equipment characteristics of the teleprocessing network and communications controller that the user must specify when coding an emulation program or network control program. The publication consists of a series of tables, one for each type of station supported by the program and one for each type of line set with which the controller can be equipped. Each table gives the appropriate values to code for the station or line set represented. For some characteristics several values are listed, the appropriate choice depending on how the user's station is equipped (for instance, which transmission code it employs) or in which of alternate modes he wishes the station or line to operate. In these cases, accompanying notes suggest where the user may learn the values appropriate for his installation.

A companion publication, Teleprocessing Installation Record for IBM 3704 and 3705 Communications Controllers (GC30-3021), is useful for recording the equipment characteristics of a particular teleprocessing installation as a guide for coding programs for the communications controller.

Manual, 128 pages
//09//3704,3705/

GC30-3021

TELEPROCESSING INSTALLATION RECORD FOR IBM 3704 AND 3705 COMMUNICATIONS CONTROLLERS

This publication provides the user with a convenient means for recording the details of his 3704 or 3705 based teleprocessing configuration existing or planned that he must know before coding an emulation program or network control program. As furnished, the publication consists of a series of formatted charts, each of which as appropriately labelled spaces representing the information items pertinent to a particular type of communication line (such as a multipoint line) and the stations associated with that line. A chart is also provided for recording the hardware units installed in the communications controller, along with related information such as line interface and subchannel addresses used.

From the package of charts provided the user selects the number and types appropriate to his teleprocessing configuration. Upon filling in the information indicated and assembling the charts into a binder, he has a convenient record of his configuration that gives much of the information needed to code a program appropriate to his installation. (The charts also contain spaces for related information not needed in coding the program; for example, common-carrier circuit numbers.)

A companion publication, Teleprocessing Preinstallation Guide for IBM 3704 and 3705 Communications Controllers (GC30-3020), provides guidance in selecting many of the

parameters to be documented in the installation record.
Manual, 20 pages
//09//3704,3705/

publication is directed primarily to data processing managers and data communication network designers who may want to install a data communication network or who may want to consolidate existing networks.
Manual, 8 1/2 x 11 inches, 56 pages, 10/76
/C/30///5741,5752,5745,5742

GC30-3022

SYSTEM/370 SUBSYSTEM SUPPORT SERVICES (LEVELS 4 & 5)
USER'S GUIDE

This manual explains how to install and maintain operational environments for various industry subsystem controllers using VTAM or, for a 3660 system, BTAM. Operational environments for these industry subsystems are defined from information contained in their industry's programmers guide publications.

This manual is intended for system programmers, application programmers, and computer operators who need to know the procedures for using IBM Subsystem Support Services to create, maintain, transmit to, and communicate with various operational environments. The user of this manual should have a general knowledge of DOS/VS or OS/VS systems. Systems programmers should have a working knowledge of VSAM Access Method Services command utilities, as well as VTAM or BTAM.

The chapters of this manual explain the steps necessary for installation of an industry subsystem, and the various Subsystem Support Services control statements provided to permit modification and updating of the subsystem at the System/370 host processor.

Manual, 200 pages
//30//3791,3650,3651,3600,3601,3790,3602,3660/5742

GC30-3035

3650 RETAIL STORE SYSTEM PROGRAMMER'S GUIDE REL 3.0 AND 3.1
This publication is a guide for the programmer of the IBM 3650 Retail Store System. It supports both Release 3.0 and 3.1 of the IBM 3650 Retail Store System. It describes the retail environment and the communication network to the host IBM System/370 virtual storage computer.

It is written primarily for the system programmer responsible for the complete host and store system, as well as for the IBM system engineer and field engineering programming support representative who may assist in its installation and maintenance. Also, the store training staff may find it helpful in understanding more about the retail store system functions. The major areas of this manual includes a review of the sales, administrative, and ticketing functions of the retail store system, how the user may add his own programming at the store controller to create a set of functions uniquely fitted to his store environment, and how to recognize and diagnose errors in the system.

This manual tells how to use the programming support available to the retail store system. It emphasizes ways of installing, operating, and maintaining the whole system. It suggests means by which the programmer can coordinate the operation of the system through subsystem definition, user programming, operating procedures, and error diagnosis. As a guide, it is not complete in itself but organizes this information and leads the user to other reference sources available in the retail store system library and IBM System/370 publications.

Manual, 8 1/2 x 11 inches, 512 pages, 3/77
//30///5744-BQ4,5747-BJ3,5744-BQ3

GC30-3024

IBM 3650 SUBSYSTEM PROGRAM PREPARATION SUPPORT - APPLICATION PROGRAMMER'S GUIDE, SCP 5747-BJ2 & 5744-BQ2

This manual is for systems analysts and application programmers who use Subsystem Program Preparation Support (SPPS) to design and code user unique applications for the IBM 3650 Retail Store System. Subsystem Program Preparation Support consists of an assembler language subset and a group of macros for coding applications, and the Transformation Definition Language (a declarative language used for defining data transfer between the IBM 3651 Subsystem Controller and an IBM 3275 Information Display Station).

Detailed specifications for the macros, the Transformation Definition Language, and the translator for the Transformation Definition Language are provided for the application programmer.

Manual, 300 pages
//30///

GC30-3036

OS/VS TCAM (LEVEL 10) APPLICATION PROGRAMMER'S GUIDE, SUIDS 5741-602, 5752-836, ICR 5742

This manual describes how to write application programs for the TCAM environment. The TCAM application programming environment is described in detail, and all the OS/VS and TCAM MCP requirements are discussed. All of the TCAM application Program macros are presented, and the rationale for each macro is discussed.

This manual is both a tutorial and a reference guide. It is organized from general to specific. This is so the new programmer can begin at Chapter 1, and progress through the book as his knowledge of TCAM increases. The programmer who is experienced with TCAM can use the manual as a reference guide by turning directly to the area that he is interested in.

The user of this manual should be an application programmer, and must be able to code programs in either Assembler language, COBOL, or PL/I. The TCAM system programmer may also occasionally want to refer to this manual.

Manual, 8 1/2 x 11 inches, 160 pgs, 2/77
/C/30///5742,5741-602,5752-836

GC30-3026

3767 COMMUNICATION TERMINAL: SETUP INSTRUCTIONS

Describes the procedures for setting up the IBM 3767 Communication Terminal without the assistance of an IBM Customer Engineer. The publication is directed to terminal operators or other persons who will be responsible for setting up the terminal.

Major subjects include checking the decibel level, attaching cables, attaching features and accessories, and loading forms into the terminal.

Prerequisite publication: None.

Manual, 24 pages
//09//3767/

GC30-3028

IBM 3773, 3774, AND 3775 PROGRAMMABLE COMMUNICATION TERMINALS PROGRAMMER'S GUIDE

This manual contains programming information about the IBM 3773, 3774, and 3775 Programmable Communication Terminals. It is directed to the application programmer who codes the 3770 programs, and to the system programmer who generates the system and installs the 3770 programming capability.

Some of the descriptions in the manual are:

- o Programming characteristics of the terminal.
- o Functions that can be performed by the 3770 programs.
- o How to code the 3770 programs, including a list of all the programming statements.
- o How to code the supervisor (job control) programs.
- o Host services that are necessary to assemble, validate, test, and prepare the program for inclusion into the 3770 program library.

The programmer using this manual should have a thorough understanding of the operating system, access method, and teleprocessing system to which the 3770 is attached.

A prerequisite publication for this manual is IBM 3770 Communication System, System Components, GA27-3097.
Manual, 450 pages
//30//3773,3774,3775/

GC30-3037

OPERATOR'S LIBRARY: OS/VS TCAM (LEVEL 10), SUID 5741-602, 5752-836, ICR 5742

This manual is primarily a reference guide. It describes how a TCAM telecommunication network can be controlled through TCAM operator control commands. Since this manual will be used in a telecommunication environment, a typical telecommunication network is described and discussed. Next, the format and syntax of the TCAM operator control commands is discussed and described. Immediately preceding the detailed discussion of what each command does, a discussion on how to issue the commands is given.

One chapter is a quick reference guide on how to code each command. This chapter may be removed from the manual for use at the terminal that has been designated as the operator control terminal. The last chapter is a list of all the operator awareness messages that may be returned as a result of issuing an operator control command.

The user of this manual should be familiar with the concept of operator control through a keyboard device. The TCAM system programmer may have need to refer to this manual occasionally, and if you plan to write a programmed operator (that is, a TCAM application program that is designed to control your network by issuing operator control commands), you should use this manual in conjunction with the TCAM Application Programmer's Guide GC30-3036.

Manual, 8 1/2 x 11 inches, 92 pgs, 2/77
/C/30///5742,5741-602,5752-836

GC30-3033

INTRODUCTION TO ADVANCED COMMUNICATIONS FUNCTION

This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product. This publication provides an introductory description of the types of data communication network configurations that are supported by the Advanced Communications Function for Virtual Telecommunications Access Method (ACF/VTAM), the Advanced Communications Function for Telecommunications Access Method (ACF/TCAM), and the Advanced Communications Function for Network Control Program/Virtual Storage (ACF/NCP/VS). This

GC30-3038

OS/VS2 SVS TCAM (5742-017) COMPONENT RELEASE GUIDE, TCAM LEVEL 10, FEATURES 5074 OR 5075

This publication contains changes and additions to OS/VS2 (SVS) publications as a result of component release 10 of OS/VS TCAM.

Publications updated by this document are:
OS/VS Message Library: VS2 System Messages, GT38-1002
OS/VS Message Library: VS2 System Codes, GT38-1008

OS/VS Message Library: Routing and Descriptor Codes, GC38-1004

OS/VS 2 Storage Estimates, GT38-0604

TCAM Level 10 enhances TCAM's support of NCP/VS to include Systems Network Architectures (SNA). This support includes terminals and subsystems on Synchronous Data Link Control (SDLC) lines as well as BSC and start/stop terminals. TCAM's direct support of NCP/VS extends IBM's support of SNA. TCAM/NCP direct eliminates the need to use TCAM-through-VTAM to obtain SNA support through TCAM.

TSO support of SDLC Leased Lines is provided for 3767 Communication Terminal and 3270 Information Display System. The 3770 Communication System in 3767 compatibility mode is also supported via SDLC leased lines. TCAM direct support of NCP/VS also offers TSO general poll for 3270 BSC. Manual, 8 1/2 x 11 inches, 76 pgs, 2/77 /C/30//5742

GC30-3039

OS/VS TCAM INSTALLATION AND MIGRATION GUIDE LEVEL 10 SELECTABLE UNIT (SU) IDENTIFIERS; 5741-602 (OS/VS1 SU ID) 5742-UY99915 (OS/SVS ICR); 5752-836 (OS/MVS SU ID)

This publication will help shorten the time required to install a TCAM-10 system or to migrate from an existing TCAM system to TCAM-10. This manual provides sample message control programs (MCPs) and a network control program (NCP) for three system configurations: TCAM only, TSO only, and TCAM mixed operation. These samples are to be used as adjunct information to that contained in TCAM System Programmer's Guide GC30-2051 and the TCAM Macro Reference Guide GC30-2052. Both of these manuals as well as the TCAM 10 Program Directory document should be at hand as this guide is read. This manual points to detailed information in the other publications.

This manual is intended for system programmers and those responsible for installing TCAM-10. Manual, 8 1/2 x 11 inches, 316 pgs, 3/77 /C/30//5741-602,5752-836,5742

GC30-3040

OS/VS TCAM DEBUGGING GUIDE LEVEL 10, OS/VS1 SUID 5741-602, OS/MVS SUID 5752-836, OS/SVS ICR 5742-UY99915

The OS/VS TCAM Debugging Guide was written for systems programmers who must write, install or maintain a TCAM program. It is both a guide for diagnosis and a problem determination handbook.

Manual, 8 1/2 x 11 inches, 226 pgs, 6/77 /C/30//5742,5741-602,5752-836

GC30-3044

OS/VS MESSAGE LIBRARY: VS1 TCAM LEVEL 10 MESSAGES OS/VS1 SU ID 5741-602

This publication contains the system messages applicable to TCAM Level 10 (TCAM Direct).

Manual, 8 1/2 x 11 inches, 48 pgs, 4/77 /C/30//5741-602

GC30-3046

OS/VS1 TCAM LEVEL 10 SELECTABLE UNIT SYSTEM INFORMATION, SU ID 5741-602

This publication gives a general description of TCAM Level 10 (TCAM Direct), lists other TCAM publications, and provides storage estimate information.

Manual, 8 1/2 x 11 inches, 24 pgs, 4/77 /C/30//5741-602

SC30-3112

IBM SYSTEMS NETWORK ARCHITECTURE FORMAT AND PROTOCOL REFERENCE MANUAL: ARCHITECTURE LOGIC

An in-depth reference publication intended for use by implementers of SNA-defined functions. It covers in detail the formats and rules for the architecture. Users of this manual must have a thorough understanding of the nature and structure of the architecture.

Manual, 460 pages, 6/76 SLSS - ORDER NO. SUBSCRIPTION ONLY

GC30-9500

ADVANCED COMMUNICATIONS FUNCTION FOR TCAM (ACF/TCAM) WITH A FEATURE FOR MULTISYSTEM NETWORKING, DESIGN OBJECTIVES, PROG PROD 5735-RC1

This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product. Advanced Communication Function for Tcam (ACF/TCAM) is an IBM Telecommunications Access Method program product. ACF/TCAM will be available of use in OS/VS1, OS/VS2-SVS, and OS/VS2-MVS system environments. ACF/TCAM is queued, general purpose teleprocessing access method, a component of IBM System Network Architecture (SNA) that controls the resources of a TCAM single domain network. A TCAM single domain network consists of a System/370 host processor, the host access method (ACF/TCAM), and the resources under control of that access method. Use of ACF/TCAM requires the concurrent installation of prerequisite TCAM system control Programming (SCP). This prerequisite SCP should only be installed by ACF/TCAM users.

FLYER, 8 1/2 x 11 inches, 6 pages, 9/76 /C/30//5735-RC1

GC30-9501

ADVANCED COMMUNICATIONS FUNCTION FOR NCP/VS (ACF/NCP/VS) DESIGN OBJECTIVES, PROG PROD 5735-XX1

This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product. Advanced Communications Function for NCP/VS (ACF/NCP/VS), a Network Control Program/VS program product, when generated and loaded, executes in the 3705-I or 3705-II Communications Controller. Use of ACF/NCP/VS requires the concurrent installation of prerequisite NCP/VS system control programming (SCP). This prerequisite SCP should be installed only by ACF/NCP/VS users.

Flyer, 8 1/2 x 11 inches, 4 pages, 9/76 /C/30//5735-XX1

GC30-9502

SYSTEM SUPPORT PROGRAMS FOR ADVANCED COMMUNICATIONS FUNCTION NCP/VS, PROG PROD 5735-XX3 DESIGN OBJECTIVES

This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product. System Support Programs for Advanced Communications Function NCP/VS comprises a set of programs that operate in the host system/370. Use of system support programs for ACF/NCP/VS requires the concurrent installation of prerequisite System Support Programs system control programming (SCP). This prerequisite SCP should be installed only by users of System Support Programs for ACF/NCP/VS.

Flyer, 8 1/2 x 11 inches, 2 pages, 9/76 /C/30//5735-XX3

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 /C/30//5734-PL3,5734-PL1

GC33-0003

OS PL/I CHECKOUT COMPILER: GENERAL INFORMATION PROG. NOS. 5734-PL2, 5734-LM5

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 /C/30//5734-LM5,5734-PL2

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 /C/30//5736-LM4,5736-PL1,5736-LM5,5736-PL3

GC33-0005

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
/////5736-PL1,5736-PL3
- 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
/////5734-PL1,5734-LM5,5734-LM4,5734-PL3
- 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
/////5734-PL2,5734-LM5
- SC33-0008
DOS PL/I OPTIMIZING COMPILER: PROGRAMMER'S GUIDE - PROGRAM
PRODUCTS 5736-PL1, 5736-LM4 AND 5736-LM5
This manual is a companion volume to the DOS PL/I Optimizing Compiler: Language Reference Manual (Order Number GC33-0005). 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 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, 200 pages
/////5736-PL1,5736-LM5,5736-LM4,5736-PL3
- GC33-0009
OS PL/I CHECKOUT AND OPTIMIZING COMPILERS: LANGUAGE REFER-
ENCE MANUAL, PROG. NOS. 5734-PL1-2, LM4-5 (ALL - 5734-PL3)
This publication is the primary source of information on the language implemented by the PS 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
/////5734-PL1,5734-PL2,5734-PL3,5734-LM5,5734-LM4
- 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
360,370//29/DOS//
- 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
/////5736-PL3,5736-PL1
- GC33-0017
DOS PL/I RESIDENT LIBRARY PROGRAM PRODUCT SPECIFICATIONS
PROGRAM PRODUCT 5736-LM4 (5736-PL3)
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Single Sheet
/////5736-PL3,5736-LM4
- GC33-0018
DOS PL/I TRANSIENT LIBRARY: PROG. PROD. 5736-LM5 (5736-PL3)
SPECIFICATIONS
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
Single Sheet
/////5736-PL3,5736-LM5
- 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
/////5736-PL1,5736-LM5,5736-LM4,5736-PL3
- SC33-0020
DOS PL/I OPTIMIZING COMPILER: INSTALLATION
PROGRAM NOS. 5736-PL1,LM4,LM5
This publication is primarily for readers who are responsible for the installation of the DOS PL/I Optimizing Compiler, DOS PL/I Resident Library, and DOS PL/I Transient Library. The publication describes how to install the compiler and associated libraries, and provides the storage requirements of the three products.
The reader responsible for installation should already be familiar with the IBM Operating Systems and their job control language.
This publication supplements certain system publications by providing the system-related information which applies particularly to the program products named above.
Manual, 40 pages
/////5736-PL1,5736-LM4,5736-LM5,5736-PL3
- 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
/////5734-PL1
- 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
/////5734-LM4
- 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
/////5734-LM5
- 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
 /////5734-PL1,5734-LM5,5734-LM4,5734-PL3

create a PL/I program, and to debug and execute it using the PL/I Checkout Compiler. The reader is assumed to be familiar with PL/I but not with TSO. The book contains the definitive descriptions of the PLIC command and its subcommands. It gives sufficient information for a PL/I programmer to start using TSO effectively without reference to any other publications.

Manual, 252 pages
 /////5734-PL2,5734-LM5

SC33-0026

OS PL/I OPTIMIZING COMPILER: INSTALLATION - PROGRAM NUMBERS 5734-PL1, 5734-LM4, AND 5734-LM5 NOTE: THESE PRODUCTS ARE ALSO DISTRIBUTED AS COMPLETE PACKAGE 5734-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, 130 pages
 /////5734-PL1,5734-LM4,5734-LM5,5734-PL3

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
 /////5734-PL2,5734-LM5

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
 /////5734-PL1,5734-LM5,5734-PL3

SC33-0029

OS PL/I OPTIMIZING COMPILER: TSO USER'S GUIDE PROG. NOS. 5734-PL1, -LM4, -LM5 (ALL = 5734-PL3)

This book describes how to use the facilities of TSO to create a PL/I program, to compile it using the PL/I Optimizing Compiler, and to execute it. The reader is assumed to be familiar with PL/I but not with TSO. The book contains the definitive description of the PL/I command. It gives sufficient information for a PL/I programmer to start using TSO effectively without reference to any other publications.

Manual, 118 pages
 /////5734-PL1,5734-LM4,5734-LM5,5734-PL3

SC33-0035

DOS PL/I TRANSIENT LIBRARY MESSAGES, PROG. PROD. 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
 /////5736-LM5,5736-PL3

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
 360,370//29/OS,OTSO,OASP,CALL//

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

/////5734-PL2

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
 /////5734-PL2,5734-LM5

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
 /////5734-PL1,5734-PL3,5734-LM5,5734-LM4

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
 /////5734-PL2,5734-LM5

GC33-0041

OS PL/I CHECKOUT COMPILER, VERSION 1 RELEASE 2: PROGRAM PRODUCT 5734-PL2 DESIGN OBJECTIVES

The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.

Flyer, 1 page
 360,370//29/OS,OTSO,OASP,CALL//

GC33-0046

DOS PL/I OPTIMIZING COMPILER, RESIDENT LIBRARY & TRANSIENT LIBRARY: PROG. PRODS. 5736-PL1, LM4, LM5, 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, 2 pages
 360,370//29/DOS//

SC33-0047

OS PL/I CHECKOUT COMPILER: CMS USER'S GUIDE - PROGRAM NUMBERS: 5734-PL2,5734-LM5

This book explains, for the users of the Conversational Monitor System (CMS), how to invoke the PL/I Checkout Compiler and use its conversational facilities. The reader is assumed to have a basic knowledge of PL/I and of CMS. The book provides enough information to allow the reader to

SC33-0033

OS PL/I CHECKOUT COMPILER: TSO USER'S GUIDE - PROGRAM NUMBER 5734-PL2, 5734-LM5

This book describes how to use the facilities of TSO to

enter, compile, debug, and execute a straightforward PL/I program under CMS, together with a full description and examples of how to use the interactive debugging facilities of the checkout compiler. It also contains reference data covering:

- o The special restrictions and conventions that apply to PL/I when it is compiled by the checkpoint compiler and executed under CMS.
- o The syntax of the PLIC and PLICR commands, subcommands, and options.
- o The restrictions and conventions that apply to PL/I statements used in immediate mode.

Manual, 204 pages
 ////5734-PL2,5734-LM5

GC33-0048

OS PL/I CHECKOUT COMPILER, VERSION 1 RELEASE 2 MODIFICATION 1, PROGRAM PRODUCT 5734-PL2 DESIGN OBJECTIVES
 The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.
 Program Product Design Objective, 2 pages
 360,370//29/OS,OTSO,OASP,CALL//

GC33-0052

CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE (CICS/VS): GENERAL INFORMATION MANUAL, PROG PRODS 5746-XX3, 5740-XX1

This publication contains a description of two IBM program products: CICS/DOS/VS and CICS/OS/VS. It is intended to provide an overview of CICS/VS for customer executives, system administrators, system analysts, system programmers, application programmers and terminal operators. The information is divided into two main parts. The first part provides a management overview of typical online applications in a number of industries. The characteristics of CICS/VS that make it particularly useful in these application areas are identified and explained. The second part is a technical overview of CICS/VS. The various components of CICS/VS are described from a functional viewpoint, and system considerations are summarized. The manual serves as an introduction to CICS/VS, and is required reading for those going on to the other, more specialized CICS/VS publications.

Manual, 172 pages
 ////5740-XX1, 5746-XX3

SC33-0053

CUSTOMER INFORMATION CONTROL SYSTEM (CICS/VS) SYSTEM/APPLICATION DESIGN GUIDE - PROG PRODS 5740-XX1 (CICS/OS/VS) & 5746-XX3 (CICS/DOS/VS)
 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 provided for persons who will design online applications to execute under control of CICS/VS. The process of online system design is presented in basically the same chronological sequence as would be experienced in real life. The various factors that should be considered at each step in the design process are identified in terms of the application requirements.

Manual, 380 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SC33-0054

CUSTOMER INFORMATION CONTROL SYSTEM (CICS/VS) SYSTEM PROGRAMMER'S REFERENCE MANUAL, PROG PRODS 5740-XX1 (CICS/OS/VS) 5746-XX3 (CICS/DOS/VS)

This publication contains detailed information necessary to implement both the CICS/DOS/VS and CICS/OS/VS program products. This manual presents tutorial and reference information designed for system programmers and system analysts who have the responsibility to define, prepare and administer and maintain CICS/VS management and service programs, and system control and service tables.

This publication should be used in conjunction with the appropriate CICS/VS Operations Guide (CICS/OS/VS and CICS/DOS/VS) when generating CICS/VS and preparing the system tables describing the environment CICS/VS is to support. The IBM Customer Information Control System/Virtual Storage (CICS/VS) is a virtual storage 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: switching, inquiry, data collection order entry, and conversational and batched data entry. CICS/VS 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.
 Manual
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SC33-0055

CICS/VS SYSTEM ADMINISTRATOR'S GUIDE, PROG PRODS 5740-XX1, 5746-XX3

This publication describes system administration considerations for two IBM program products: CICS/DOS/VS and CICS/OS/VS. It provides system administrators, system analysts, and system programmers with information concerning realtime system administration, system control functions, master/supervisory terminal operation, message switching, and statistics.

Manual, 380 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SC33-0056

CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE (CICS/VS) VERSION 1.2: APPLICATION PROGRAMMER'S REFERENCE MANUAL; PROG PRODS 5740-XX1, 5746-XX3

This manual provides information of interest to persons defining, designing, and preparing application programs to execute under CICS/VS.

The IBM Customer Information Control System/Virtual Storage (CICS/VS) is a 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.

Manual, 607 pages, 11/75
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SC33-0057

CICS/VS VERSION 1.2 TERMINAL OPERATOR'S GUIDE, PROG PRODS 5740-XX1, 5746-XX3

This publication describes the use of terminals with the IBM Customer Information Control System/Virtual Storage (CICS/VS) Version 1.2. It is written for operators of single terminals, and for application programmers system analysts, and system administrators.

Information is provided concerning terminal operation, terminal service function, and messages sent to a terminal by CICS/VS.

Manual
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SC33-0058

CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE (CICS/VS) MESSAGES AND CODES, PROG PRODS 5740-XX1 (CICS/OS/VS) AND 5746-XX3 (CICS/DOS/VS)

This publication contains all messages unique to the CICS/VS system and is designed for use as a quick reference for the terminal operator, system programmer, and application programmer.

Manual, 163 pages
 ////5740-XX1,5746-XX3

SC33-0059

CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE (CICS/VS): ADVANCED COMMUNICATION GUIDE, PROG PRODS 5746-XX3 AND 5740-XX1

This publication describes those aspects of CICS/VS that are applicable only when CICS/VS is used in conjunction with an IBM advanced communication subsystem. Such subsystems include: IBM 3270 Information Display System, IBM 3600 Finance Communication System, IBM 3650 Retail Store System, IBM 3767 Communication Terminal, IBM 3770 Data Communication System, and IBM 3790 Communication System.

The publication contains sections addressed to application programmers, system programmers, and operators. These sections supplement the other CICS/VS publications that are addressed to these categories of customer employee by providing the special information that is needed when using CICS/VS with advanced-communication subsystems.

For those subsystems that can be connected through either BTAM or VTAM, this publication applies only when connection is through VTAM.

Manual, 390 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SC33-0060

CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE (CICS/VS) VERSION 1.2 OPERATIONS GUIDE (OS) PROGRAM PROD 5740-XX1

The IBM Customer Information Control System/Virtual Storage (CICS/VS) is a 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 such as message switching, broadcasting, data collection and order distribution. This manual provides information of

interest to persons responsible for the definition, preparation, and execution of CICS/VS with OS/VS. The information necessary to generate and operate CICS/VS is included.
Manual, 90 pages, 3/76
/////5740-XX1

The publication presupposes familiarity with CICS/VS and with the 3650.
Manual, 46 pages, 2/77
/////3650,3651/5740-XX1,5746-XX3

GC33-0066

CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE (CICS/VS) VERSION 1, RELEASE 3 GENERAL INFORMATION
This manual introduces the CICS/VS program product primarily to data processing management and to system/application designers. Readers are assumed to have had some experience of computer applications - either in management, programming or operations.

Selected chapters of this manual also serve to introduce CICS/VS to other specific groups of personnel, namely: users of applications to be run under CICS/VS (chapter 2); programmers responsible for coding CICS/VS applications (chapter 3); programmers responsible for installing and preparing a CICS/VS system (chapter 4); and the operations personnel responsible for running a CICS/VS system (chapter 5). A brief introduction to how CICS/VS works is given in chapter 6; a summary of the system requirements for running CICS/VS is given in Appendix A; and a list of terminals and subsystems supported by CICS/VS is given in Appendix B. Other CICS/VS publications are referred to in this manual.
Manual, 8 1/2 x 11 inches, 64 pgs. 2/77
/////5740-XX1,5746-XX3

SC33-0067

CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE (CICS/VS) VERSION 1, RELEASE 3: INTRODUCTION TO LOGIC, PROG PROD 5740-XX1 AND 5746-XX3

An introduction to the internal logic of CICS/VS for use by programming support representatives and others responsible for the maintenance of CICS/VS. Also provides background information for CICS/VS system and application programmers. Chief contents are an introduction to how CICS/VS works and descriptions of all of the modules of CICS/VS.
Manual, 176 pgs, 1/77
/////5740-XX1,5746-XX3

SC33-0068

CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE (CICS/VS) VERSION 1 RELEASE 3: SYSTEM/APPLICATION DESIGN GUIDE (PROG PROD 5746-XX3 AND 5740-XX1)

Provides the system analyst and system administrator with guidelines which assist in the design of online applications to run under the control of CICS/VS.
Manual, 400 pgs, 1/77
/////5740-XX1,5746-XX3

SC33-0070

CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE (CICS/VS) VERSION 1 RELEASE 3: SYSTEM PROGRAMMER'S GUIDE (DOS/VS PROG PROD 5746-XX3)

Contains information necessary for generating and operating the CICS/DOS/VS product.
Manual, 222 pgs, 1/77
/////5746-XX3

SC33-0071

CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE (CICS/VS) VERSION 1 RELEASE 3: SYSTEM PROGRAMMER'S GUIDE (OS/VS) (5740-XX1)

Contains information necessary for generating and operating the CICS/OS/VS product.
Manual, 8 1/2 x 11 inches, 188 pages, 5/77
/////5740-XX1

SC33-0072

CICS/VS V1 REL 3, IBM 3600 GUIDE (5746-XX3 AND 5740-XX1)
This publication describes aspects of CICS/VS that apply specially when CICS/VS is used in an SNA environment with the IBM 3600 Finance Communication System.

The information is intended for CICS/VS system and application programmers, and also for 3600 programmers who wish to write programs that communicate with CICS/VS. The publication describes the various types of logical unit that can be used for communication between CICS/VS and the 3600, and discusses the special programming considerations that may apply.

The publication presupposes familiarity with CICS/VS and with the 3600.
Manual, 70 pages, 2/77
/////3600,3601,3602/5740-XX1,5746-XX3

SC33-0073

CICS/VS V1 R3, IBM 3650 GUIDE (5746-XX3 AND 5740-XX1)
This publication describes aspects of CICS/VS that apply specially when CICS/VS is used in an SNA environment with the IBM 3650 Retail Store system.

The information is intended for CICS/VS system and application programmers, and also for 3650 programmers who wish to write programs that communicate with CICS/VS. The publication describes the various types of logical unit that can be used for communication between CICS/VS and the 3650, and discusses the special programming considerations that may apply.

SC33-0074

CICS V1 R3, IBM 3767 AND 3770 GUIDE (5746-XX3 AND 5740-XX1)
This publication describes aspects of CICS/VS that apply specially when CICS/VS is used in an SNA environment with the IBM 3767 Communication Terminal or the IBM 3770 Data Communication System.

The information is intended mainly for CICS/VS system and application programmers. The publication describes the various types of logical unit that can be used for communication between CICS/VS application programs and the 3767 or 3770. It describes how these logical units must be defined and discusses the special programming considerations that may apply.

The publication presupposes familiarity with CICS/VS and with the 3767 or 3770.
Manual, 44 pages, 2/77
/////3767,3770/5740-XX1,5746-XX3

SC33-0075

CICS/VS V1 R3: IBM 3790 GUIDE, PROG PROD 5746-XX3, 5740-XX1
This publication describes aspects of CICS/VS that apply specially when CICS/VS is used with the IBM 3790 Communication System in an SNA environment.

The information is intended mainly for CICS/VS and 3790 application programmers and CICS/VS system programmers. The publication describes the various types of logical unit that can be used for communication between CICS/VS application programs and the 3790. It describes how these logical units must be defined and discusses the special programming considerations that may apply.

The publication presupposes familiarity with CICS/VS and the 3790, and some awareness of IBM's Systems Network Architecture (SNA).
Manual, 8 1/2 x 11 inches, 86 pages, 2/77
/////3790,3791/5740-XX1,5746-XX3

SC33-0077

(CICS/VS) VERS 1 REL 3, APPLICATION PROGRAMMER'S REFERENCE MANUAL (COMMAND LEVEL), PROG PROD 5746-XX3 AND 5740-XX1

Contains procedural and reference information for application programmers needing to prepare programs using CICS/VS commands; such programs are translated by the command language translator and use the interface program (DFHIMP) to obtain the required CICS/VS services.

Manual, 290 pgs, 2/77
/////5740-XX1,5746-XX3

SC33-0079

CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE (CICS/VS) VERSION 1 RELEASE 3: APPLICATION PROGRAMMER'S REFERENCE (MACRO LEVEL) (PROG PROD 5740-XX1 AND 5746-XX3)

Contains information necessary to design and prepare application programs to execute under either CICS/DOS/VS or CICS/OS/VS. Intended mainly for programming at the macro level.

Manual, 620 pgs, 1/77
/////5740-XX1,5746-XX3

SC33-0080

CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE (CICS/VS) VERSION 1 RELEASE 3: OPERATOR'S GUIDE, PROG PROD 5746-XX3 AND 5740-XX1

Intended terminal operators and persons preparing operating procedures for CICS/VS version 1, release 3; describes the transactions supplied with CICS/VS for controlling the system, message switching, and the collection of statistics.
Manual, 136 pgs, 1/77
/////5740-XX1,5746-XX3

SC33-0081

CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE (CICS/VS) VERSION 1 RELEASE 3: MESSAGES AND CODES (PROG PROD 5746-XX3 AND 5740-XX1)

Explanations of all messages unique to CICS/VS version 1, release 3, for use by terminal operators, system programmers, and application programmers.

Manual, 216 pgs, 1/77
/////5740-XX1,5746-XX3

SC33-0082

CICS/VS V1 R3 SUBSET USER'S GUIDE, DOS/VS PROG PROD 5746-XX3

This publication explains how to use the CICS/DOS/VS Subset option. Its purpose is to guide the user in the initial installation and use of CICS/VS applications. A basic knowledge of DOS batch processing and COBOL is assumed.
Manual, 344 pages, 2/77
/////5746-XX3

GC33-0087

CICS/OS/VS V1 R3: PROG PROD 5740-XX1, SPECIFICATIONS

The Program Product Specification (PPS) describe the warranted specifications of the subject program product.
Flyer, 9 1/2 x 11 inches, 22 pgs, 5/77
/////5740-XX1

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
 370//35/DOS/1440,1240,1450,1401,1460/

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
 370//35/DOS//

GC33-2006

MODEL 20 DOS EMULATOR ON SYSTEM/370 REFERENCE (370N-IC-002)
 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, 74 pages
 3115,3135,3125//35/DOS/2020/

GC33-2010

MODEL 20 EMULATOR ON SYSTEM/370 USING DOS AND DOS/VS PLANNING - PROG. NO. 360N-IC-002; COMPONENT NO. 5745-SC-E20
 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, 22 pages
 3115,3135,3125//35/DOS/2020/

GC33-2017

DOS TO OS/VS EMULATOR - REFERENCE, PROG. NO. 5744-AS1
 The DOS Emulator Program executes under OS/VS1 and OS/VS2. It enables DOS or DOS/VS programs to execute in an OS/VS environment. The emulator may be multiprogrammed with other OS/VS jobs, and it can run the multiprogramming options of DOS and DOS/VS.
 This publication provides information for programmers and operators to help them code and run DOS and DOS/VS jobs with the emulator. Emulator operation, requirements, facilities and messages are described, and sample jobstreams are provided.
 It is assumed that readers of this publication are familiar with OS/VS and DOS or DOS/VS. DOS to OS Emulator - Reference, GC26-3777 is now obsolete.
 Manual
 ////5744-AS1

GC33-2018

1401/1440/1460 OS/VS EMULATOR ON SYSTEM/370 - REFERENCE (5744-AH1)
 This manual describes the IBM 1401/1440/1460 Emulator Program for the IBM System/370 Models 135/145/155/155-II/158, and provides the information needed to use the program. The emulator program runs as a problem program under the 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 or #4458; Model 145 with IBM Compatibility Feature #3950). In addition, this manual describes the 1401/1440/1460 programs to be executed on System/370 Models 135 through 168 under the control of OS/VS1 and OS/VS2, without the need for the compatibility feature (the functions of the compatibility feature are performed by simulator routines).

Also describes in this manual are three programs that are distributed with the emulator - the tape preprocessor program, the tape postprocessor program, the disk formatting program. These programs handle compatibility between 1401/1440/1460 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 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, 156 pages
 ////5744-AH1

GC33-2019

1410/7010 OS/VS EMULATOR ON SYSTEM/370, REFERENCE - PROG. NO. 5744-AG1

This manual describes the IBM 1410/7010 Emulator program for the IBM System/370 Models 145/155/155-II/158, and provides the information needed to use the program. The emulator program runs as a problem program under the OS/VS1 and OS/VS2 control programs and executes programs written for the IBM 1410 and 7010 Data Processing Systems (the Model 155 with IBM Compatibility Feature #3950).

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 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, 152 pages
 ////5744-AG1

GC33-2020

DOS TO OS EMULATOR - REFERENCE PROGRAM NUMBER 360C-EU-738
 The DOS Emulator Program executes under OS/MFT and OS/MVT. It enables DOS programs to execute in an OS environment. The emulator 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 emulator. Emulator operation, requirements, facilities and messages are described, and sample jobstreams are provided.
 It is assumed that readers of this publication are familiar with DOS and OS/MFT or OS/MVT. Note: DOS to OS Emulator-Reference, GC26-3777 is now obsolete.
 Manual
 3155,3145,3135,3158//35/DOS//

GC33-2021

1401/1440/1460 OS/MFT AND OS/MVT EMULATOR ON SYSTEM/370 (360S-EU-735) REFERENCE

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 and OS/MVT control programs and executes programs written for the IBM 1401, 1440, and 1460 Data Processing System (the Model 135 must be equipped with the IBM Compatibility Feature #4457; the Model 145 with IBM Compatibility Feature #4457 or #4458; the Model 155 with IBM Compatibility Feature #3950).

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 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 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, 152 pages
 3155,3145,3135,3158//35/OS,OTSO,OASP,CALL/1401,1440,1460/

GC33-2022

1410/7010 OS/MFT AND OS/MVT EMULATOR ON SYSTEM/370 - REFERENCE, PROG. NO. 360C-EU-736

This manual describes the IBM 1410/7010 Emulator program for the IBM System/370 Models 145/155/155-II/158, and provides

the information needed to use the program. The emulator program runs as a problem program under OS/MFT and OS/MVT 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).

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 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, 152 pages
3155,3145,3158//35/OS,OTSO,OASP,CALL/1410,7010/

GC33-4010

OS/VS, DOS/VS, AND VM/370 ASSEMBLER LANGUAGE

Provides the information necessary for programmers responsible for designing and writing programs in either the OS/VS or DOS/VS assembler language, and for programmers running their assembler program under VM/370.

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. The assembler can process a program written in assembler language to produce output in machine language suitable for link 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 controlling the assembler. Finally, the fourth part gives an introduction to the macro facility for beginners, 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, 468 pages
//21///5741,5745

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
3155//33//

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
360,370//33/DOS//

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
////5743-SM1

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
////5743-SM1

GC33-4021

OS/VS, VM/370 ASSEMBLER PROGRAMMER'S GUIDE

This manual complements OS/VS - DOS/VS - VM/370 Assembler Language, Order No. GC33-4010. It is intended for the programmer writing assembler language programs to be run under OS/VS and/or VM/370. 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
- o Assembler language programming under CMS

Other topics, covered in appendixes, 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, VM/370: Introduction, and OS/VS DOS/VS - VM/370 Assembler Language.
Manual, 168 pages
//21///5741

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
////5743-SM1

GC33-4024

GUIDE TO THE DOS/VS ASSEMBLER

GUIDE TO THE DOS/VS ASSEMBLER
maintain the macro and copy libraries. It explains in detail how the de-editor program (ESERV) works and how it can be used to de-edit and update macros simultaneously. Other sections explain the use of Job Control Language (JCL) statements associated with DOS/VS, how to interpret DOS/VS listings, object deck output, and data files. All assembler and de-editor diagnostic messages are listed and explained. Typical users of this manual are programmers responsible for JCL and the maintenance of the DOS/VS system data files; and FES and CES or system programmers who want information on maintaining files and using the ESERV program.

The level of knowledge required for efficient use of this manual is an understanding of DOS/VS assembler language as described in OS/VS and DOS/VS Assembler Language, Order No. GC33-4010.
Manual, 124 pages
//21///5745

GC33-4025

DOS/VS SORT/MERGE SPECIFICATIONS - PROGRAM NUMBER 5746-SM1

Describes briefly the functions and capabilities of the DOS/VS Sort/Merge Program Product (Program Number 5746-SM1). It lists the programming systems under which the program runs its system requirements, its new features, its programming service classification, the reference material, and its compatibility with other sort/merge programs.
Information Sheet, 2 pages
////5746-SM1

SC33-4026

DOS/VS SORT/MERGE INSTALLATION REFERENCE MANUAL

PROG. PROD. 5746-SM1
For use by programmers familiar with DOS/VS. Provides DOS/VS information necessary to install Sort/Merge and run sample programs.
Manual, 48 pages
////5746-SM1

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
/////5746-SM1

Product and include in it the current operating system. Includes generation messages and storage requirements.
Manual, 40 pages
/////5740-SM1

SC33-4028

DOS/VS SORT/MERGE PROGRAMMER'S GUIDE - PROGRAM PRODUCT 5746-SM1

This manual is for programmers familiar with DOS/VS. It provides them with descriptions of sort/merge control statements and DOS/VS Job Control statements sufficient to allow them to prepare a Sort/Merge application. It also describes other options of sort/merge programs.
Manual, 188 pages
/////5746-SM1

SC33-4035

OS/VS SORT/MERGE PROGRAMMER'S GUIDE PROGRAM PRODUCT 5740-SM1

Supplies the information needed to use the installed program, including how to prepare control statements, how to calculate storage requirements, and how to use the program exits. Gives examples of control statements and of routines at program exits.
Manual, 176 pages
/////5740-SM1

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
/////5734-CP2

GC33-4036

DOS SORT/MERGE FUNCTIONAL DESCRIPTION, PROG PROD 5743-SM1
Provides a functional description of the characteristics and program service classification of the Program Product DOS Sort/Merge, 5743-SM1.
Flyer, 2 pages
/////5743-SM1

GC33-4038

OS TSO ASSEMBLER PROMPTER FUNCTIONAL DESCRIPTION, PROG PROD 5734-CP2

Provides a functional description of the characteristics and program service classification of the program product OS TSO Assembler Prompter, 5734-CP2.
Manual, 2 pages
/////5734-CP2

GC33-4039

OS ASSEMBLER H PROGRAM PRODUCT FUNCTIONAL DESCRIPTION, PROG PROD 5734-AS1

Provides a functional description of the characteristics and program service classification of the program product OS Assembler H, 5734-AS1.
Flyer, 2 pages
/////5734-AS1

SC33-4044

DOS/VS SORT/MERGE V2 PROGRAMMER'S GUIDE, PROG PROD 5746-SM2
For use by programmers who wish to sort or merge records. The manual shows how to prepare all the input necessary to perform a sort or merge and how to link user routines to the sort or merge programs.
Manual, 8 1/2 x 11 inches, 200 pgs, 4/77
/////5746-SM2

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
/////5746-SM1

SC33-4045

DOS/VS SORT/MERGE V2 INSTALLATION REFERENCE, PROG PROD 5746-SM2

For use by programmers familiar with DOS/VS. Provides DOS/VS information necessary to install Sort/Merge and run sample programs.
Manual, 8 1/2 x 11 inches, 28 pgs, 4/77
/////5746-SM2

GC33-4031

OS/VS SORT/MERGE PROGRAM PRODUCT 5740-SM1 DESIGN OBJECTIVES

This document gives the design objectives for the OS/VS Sort/Merge program, which is upward compatible with the OS Sort/Merge program 5734-XM1 except that the minimum main storage requirement is increased to 32K (higher if VSAM data sets are to be used) and that the 2301 and 2311 device cannot be used. OS/VS Sort/Merge has new features and functions, and is designed to operate efficiently in the VS environment. It incorporates an entirely new, high-performance sorting technique, and is alone in supporting the 3330/3333 Model II and 3340 direct access devices.
Design Objectives, 2 pages
/////5740-SM1

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
360,370//30/DOS/3330/

GC33-4032

OS/VS SORT/MERGE: PROG. PROD. 5740-SM1 SPECIFICATIONS

Provides a specification to the characteristics and program service classification of the Program Product OS/VS Sort/Merge.
Flyer, 2 pages
/////5740-SM1

GC33-4033

OS/VS SORT/MERGE GENERAL INFORMATION - PROGRAM PRODUCT 5740-SM1

Gives general information for use in planning the installation and use of the Program Product OS/VS Sort/Merge.
Manual, 44 pages
/////5740-SM1

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, GC24-3025
DOS Supervisor and I/O Macros, GC24-5037

SC33-4034

OS/VS SORT/MERGE INSTALLATION REFERENCE MANUAL - PROG. PROD. 5740-SM1

Describes how to generate the OS/VS Sort/Merge Program

DOS Operating Guide, GC24-5022
 DOS and TOS Utility Programs, GC24-3465
 DOS and TOS Assembler Language, GC24-3414
 System Reference Manual, 155 pages
 370//20/DOS//

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 types and their usage, label processing; the IOCS macros for the various access methods (SAM, DAM, ISAM, and VSAM); physical IOCS, supervisor, multitasking, program linkage, and other miscellaneous macros.
 Manual, 420 pages
 //30//5745

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
 370//34/DOS//

GC33-5009

DOS VERSION 4 MESSAGES, PROG. NO. 370N-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
 370//40/DOS//

GC33-5370

INTRODUCTION TO DOS/VS

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
 //20//5745

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
 //34//5745

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, 300 pages
 //30//5745

GC33-5373

DOS/VS SUPERVISOR AND I/O MACROS

This publication is for the programmer planning to use the DOS/VS Input/Output Control System macro instructions and

GC33-5374

DOS/VS TAPE LABELS MANUAL

The types of labels that may be written on magnetic tape by DOS/VS are defined and described in this reference manual. The processing performed by the system, and the specifications that the user must supply to the system, are discussed. The processing of standard, user-standard, and nonstandard labels, are unlabelled files, is explained, primarily in regard to the functions performed for volume, header, and trailer labels when the user gives specifications directly to IOCS through DTF entries.

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 manual that provide this information are: DOS/VS Data Management Guide, GC33-5372, and DOS/VS Supervisor and I/O Macros, GC33-5373.

Manual, 96 pages
 //30//5745

GC33-5375

DOS/VS DASD LABELS

This manual is a guide for programmers using the DOS/VS IOCS for standard label processing and subroutines for user standard label processing on DASD or diskette. A glossary is included.

Manual, 8 1/2 x 11 inches, 160 pages, 4/77
 //30//5745

GC33-5376

DOS/VS SYSTEM CONTROL STATEMENTS

This Reference publication describes the IBM Disk Operating System/Virtual Storage (DOS/VS). DOS/VS is a set of control and processing programs for IBM System/370.

Detailed information is given on the following topics:
 System Control Programs

- Initial Program Loader (IPL)
- Job Control
- POWER (Priority Output Writers, Execution Processors and Input Readers)

System Service Programs
 Linkage Editor
 Librarian

Special Service Program
 System Buffer Load

Prerequisite for understanding this publication is a basic knowledge of System/370 machine concepts.

For titles and abstracts of associated publications, see the IBM System/360 and System/370 Bibliography, GA22-6822, and the IBM System/370 Advanced Function Bibliography, GC20-1763.

Manual, 214 pages
 //36//5745

GC33-5377

DOS/VS SYSTEM GENERATION

Describes the procedures necessary to generate and to maintain an installation-tailored IBM Disk Operating System/Virtual Storage (DOS/VS) that provides support for IBM-supplied programs you desire, as well as for your own programs. The major topics discussed are:

- o Procedures for generating and for maintaining DOS/VS
- o Installation Verification Procedure for testing the IBM-supplied DOS/VS programs
- o Generating a version of POWER

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:

- DOS/VS System Management Guide, GC33-5371
- DOS/VS System Control Statements, GC33-5376
- DOS/VS Supervisor & I/O Macros, GC33-5373
- DOS/VS Operating Procedures, GC33-5378
- DOS/VS Messages, GC33-5379

Manual, 390 pages
 //34//5745

GC33-5378

OPERATOR'S LIBRARY DOS/VS OPERATING PROCEDURES

This manual contains the information required by system operators to run jobs under DOS/VS. It is intended primarily for system operators who have acquired a basic

knowledge of data processing and computer equipment. The introduction of the manual familiarizes the operator with the major concepts and components of DOS/VS and provides the basis that is required to understand the subsequent sections of the manual. The section "Procedures" tells the operator how to run jobs under control of DOS/VS; the procedures are illustrated by examples. The section "Reference Information" contains details of all operator commands, job control statements, POWER and POWER RJE commands. A glossary defines a number of terms frequently used in a DOS/VS system operator's environment.
Manual, 274 pages
//40//5745

GC33-5379

DOS/VS MESSAGES

This publication lists and interprets the messages which DOS/VS issues to the operator and to the programmer. It enables both to decide on the action they have to take in reply to the message received.

Each message is preceded by an identifying number so that it can easily be found in the book. This method of listing also ensures that messages issued by the same program are grouped together. Not included are:

- o Any language messages, except assembler messages that cause job termination.
- o System/370 Emulator messages
- o OLTEP messages
- o Subsystem Support Services messages.

These messages can be removed from the application publications and inserted in this manual, if required. A tab is provided for these messages.

Manual, 540 pages
//40//5745

GC33-5380

DOS/VS SERVICEABILITY AIDS AND DEBUGGING PROCEDURES

This manual provides a detailed guide, including diagrams and examples, for operators and programmers who are involved in determining and isolating the cause of system malfunctions.

It shows them when and how to use the IBM-supplied serviceability aids, which are programs designed to collect all relevant information about malfunctions. It contains procedures in the form of flowcharts and checklists for program debugging. It also provides a general description of the DOS/VS supervisor/problem program interface tables, information blocks, and save areas. It shows how to locate these items in a dump, and how to analyze the data during offline debugging. Operators using this manual must be familiar with:

- o DOS/VS Operating Procedures, GC33-5378, and
- o DOS/VS Messages, GC33-5379.

Programmers using this manual for debugging must be familiar with:

- o IBM System/370 Principles of Operation, GA22-7000, and
- o DOS/VS System Management Guide, GC33-5371.

Manual, 512 pages
//37//5745

GC33-5381

DOS/VS SYSTEM UTILITIES

This reference publication describes to programmers the use of the IBM DOS/VS System Utilities. The programs described are:

- o Assign Alternate Track Data Cell
- o Assign Alternate Track Disk
- o Clear Data Cell
- o Clear Disk
- o Copy and Restore Disk or Data Cell
- o Fast Copy Disk Volume
- o Initialize Data Cell
- o Initialize Disk
- o Initialize Tape
- o VTOC Display
- o Print Hardcopy File (PRINTLOG)
- o Unblock

For titles and abstracts of other related publications, see the IBM System/360 and System/370 Bibliography, GA22-6822, and the IBM System/370 Advanced Function Bibliography, GC20-1763.

Manual, 218 pages
//32//5745

GC33-5382

DOS/VS ACCESS METHOD SERVICES USER'S GUIDE

This book describes the use of Access Method Services, a group of programs that provide utility functions vital to Virtual Storage Access Method (VSAM). This publication provides all the VSAM information needed to use Access Method Services in order to establish and maintain VSAM files. For complete information about VSAM, see the DOS/VS Data Management Guide.

Manual, 396 pages, 4/77
//30//5745

GC33-5383

DOS/VS OLTEP

This reference publication describes the Disk Operating System (DOS) Online Test Executive Program (OLTEP) that controls online testing of I/O units under the DOS/VS supervisor. It explains the functions of the program and gives procedures for running the test programs which are obtained from the IBM Customer Engineer.

Supplementary information is contained in the following publications:

- o DOS/VS Operating Procedures, GC33-5378
- o DOS/VS System Generation, GC33-5377
- o DOS/VS Tape Labels, GC33-5374
- o DOS/VS DASD Labels, GC33-5375
- o DOS/VS Messages, GC33-5379

Manual, 56 pages
//37//5745

GC33-5384

1401/1440/1460 DOS/VS EMULATOR ON SYSTEM/370 REFERENCE PROG PROD 5747-CC3

This publication describes the 1401/1440/1460 Emulator Program for the IBM System/370 Models 115, 125, 135, 135-3, 138, 145, 145-3, 148, 155-II, and 158. The emulator program is executed as a problem program under control of the Disk Operating System/Virtual Storage (DOS/VS) on an IBM System/370 equipped with the appropriate compatibility feature. Using the program and the compatibility feature, the System/370 can execute programs written for the IBM 1401, 1440, and 1460 Data Processing Systems.

The information in this publication is intended for installation personnel, programmers, and operators.

Manual, 8 1/2 x 11 inches, 168 pages, 4/77
//35//1401,1440,1460/5745

GC33-5385

1410/7010 DOS/VS EMULATOR ON SYSTEM/370 REFERENCEPROG PROD 5747-CC3

This publication describes the IBM 1410/7010 Emulator Program for the IBM System/370. The emulator program is executed as a problem program under control of the Disk Operating System/Virtual Storage on an IBM System/370 equipped with the appropriate compatibility feature. Using the program and the compatibility feature, the System/370 can execute programs written for the IBM 1410 and 7010 Data Processing Systems.

The information in this publication is intended for installation personnel, programmers and operators.

Manual, 128 pages
//35//1410,7010/5745

GC33-5388

MODEL 20 DOS/VS EMULATOR ON SYSTEM/370 REFERENCE

This publication describes the program that emulates the System/360 Model 20 on the System/370 Models 115, 125, 135, 135-3, and 138. The emulator program is executed as a problem program under control of the Disk Operating System/Virtual Storage (DOS/VS) on an IBM System/370 equipped with the Compatibility Feature #7520. Using the program and the compatibility feature, the System/370 can execute programs written for the system/360 Model 20.

The information in this publication is intended for installation personnel, programmers, and operators.

Manual, 8 1/2 x 11 inches, 104 pages, 4/77
//35//2020/5745

GC33-5404

DOS/VS VSAM PLANNING GUIDE

This manual mainly describes the new functions of VSAM which will be available as of DOS/VS Release 31, but it also gives a general description of the existing VSAM functions. It is intended for (1) installation managers, to provide an overview of the access method through a general description of its capabilities and the advantages it offers over other access methods, (2) system programmers, to provide the planning information needed to determine whether VSAM is suitable for their installation, (3) application programmers using assembler language, to provide detailed information on how to use the new functions of VSAM.

This publication discusses:

- o VSAM's data organization and VSAM's different types of files, including alternate indexes.
- o VSAM catalogs, master and user, and the basic concept of catalog recovery.
- o The new and extended commands and parameters of the Access Method Services command language.
- o The extensions made to the existing VSAM macros and the processing options which can be specified.

The reader is expected to be familiar with basic data management concepts such as direct-access storage, file organization, access method, etc., which are fully explained in the DOS/VS Data Management Guide, GC33-5372. It would also be helpful to have read the VSAM section in Introduction to DOS/VS, GC33-5370.

Manual, 92 pages
//30//5745

GC33-5405

DOS/VS POWER/VS WITH RJE, SNA GUIDE

This manual contains information for customers who intend to use the Remote Job Entry Facilities of POWER/VS with RJE, SNA for IBM 3770 Communication Terminal configurations using

Synchronous Data Link Control (SDLC). POWER/VS with RJE, SNA can also be generated to include Remote Job Entry support for IBM 2770, 2780, 3741, and 3780 terminals, using the BSC method of communication, as well as for IBM 3770 terminals in 2770/3780 mode. Prerequisite reading material is formed by the following manuals:

DOS/VS System Management Guide, GC33-5371
 DOS/VS System Control Statements, GC33-5376
 DOS/VS System Generation, GC33-5377
 DOS/VS Operating Procedures, GC33-5378
 DOS/VS Messages, GC33-5379

The guide provides information, additional to that contained in these publications.

Manual, 88 pages, 5/76
 /C/36///5745

GC33-6027

DOS/VS SUPPORT FOR IBM SYSTEM/370 MODELS 135-3, 138, 145-3, 148, AND FOR THE IBM 3203-4 PRINTER

This publication provides planning information on the DOS/VS support of the new System/370 Models 135-3, 138, 145-3, and 148, and of the IBM 3203-4 Printer. Except for the information describing the RMS support for these machines, the manual is intended primarily for new and prospective users. The information on the RMS support is intended primarily for IBM programming support personnel.

Manual, 16 pgs, 10/76
 3138, 3148, 3145, 3135//34///5745

GC33-6030

DOS/VS RPG II GENERAL INFORMATION - PROG PROD 5746-RG1

This publication is an introduction to DOS/VS RPG II. The topics discussed are basic structure, devices supported, basic features, performance, compatibility and the functions of Auto Report.

The manual is intended primarily for persons who need to have an overview of the DOS/VS RPG II program.

Manual, 8 1/2 x 11 inches, 50 pgs, 4/77
 ////5746-RG1

GC33-6040

ADVANCED FUNCTIONS - DOS/VS GENERAL INFORMATION
 PROG PROD 5746-XE2

This manual gives an overview of the functional enhancements available with Advanced Functions - DOS/VS; discusses the operational characteristics of these enhancements; tells, in general terms, how Advanced Functions - DOS/VS is installed; and provides information about the compatibility of Advanced Functions - DOS/VS with other programs.

The manual is intended primarily for persons who need to have an overview of available programs, licensed or unlicensed; it provides the information needed for determining the usefulness of Advanced Functions - DOS/VS at a DOS/VS operated data processing installation.

Manual, 8 1/2 x 11 inches, 24 pgs, 4/77
 ////5746-XE2

SC33-6041

ADVANCED FUNCTIONS - DOS/VS SYSTEM INFORMATION
 PROG PROD 5746-XE2

Provides the information needed to plan and to install a DOS/VS that includes the functional enhancements available with Advanced Functions - DOS/VS. Discusses how to invoke the DOS/VS - VM/370 Linkage facility and how to install program temporary fixes at a DOS/VS installation with Advanced Functions - DOS/VS installed. Gives an overview of the documentation for Advanced Functions - DOS/VS.

The manual assumes that the reader is familiar with Advanced Functions - DOS/VS General Information, GC33-6040; it should be used with DOS/VS publications System Management Guide, GC33-5371, and System Generation, GC33-5377.

Manual, 8 1/2 x 11 inches, 40 pgs, 4/77
 ////5746-XE2

SC33-6042

ADVANCED FUNCTIONS - DOS/VS RELEASE 24 SUPPLEMENT TO DOS/VS SYSTEM MANAGEMENT GUIDE

The publication provides replacement and/or supplementary pages for the DOS/VS System Management Guide. These pages, when incorporated in the DOS/VS publication, document the use of the facilities available with Advanced Functions - DOS/VS.

Manual, 8 1/2 x 11 inches, 40 pgs, 4/77
 ////5746-XE2

SC33-6043

SYSTEM LIBRARY SUPPLEMENT ADVANCED FUNCTIONS - DOS/VS PROGRAM NUMBER 5746-XE2 TO DOS/VS SYSTEM CONTROL STATEMENTS

The publication provides replacement and/or supplementary pages for publication DOS/VS System Control Statements. These pages, when incorporated in the DOS/VS publication, document use of the facilities available with Advanced Functions - DOS/VS.

Manual, 8 1/2 x 11 inches, 26 pgs, 4/77
 ////5746-XE2

SC33-6044

ADVANCED FUNCTIONS - DOS/VS PROGRAM NUMBER 5746-XE2 SYSTEM LIBRARY SUPPLEMENT TO DOS/VS SYSTEM CONTROL STATEMENTS

The publication provides replacement and/or supplementary pages for the DOS/VS Operating Procedures. These pages, when incorporated in the DOS/VS publication, document the use of the facilities available with Advanced Functions - DOS/VS.

Manual, 8 1/2 x 11 inches, 40 pgs, 4/77
 ////5746-XE2

SC33-6045

ADVANCED FUNCTIONS - DOS/VS RELEASE 34 SUPPLEMENT TO DOS/VS MESSAGES

This publication provides replacement and/or supplementary pages for the publication DOS/VS Messages, GC33-5379-5. These pages, when incorporated in the DOS/VS publication, document the use of the facilities available with Advanced Functions - DOS/VS.

Manual, 8 1/2 x 11 inches, 28 pages, 4/77
 ////5746-XE2

SC33-6046

ADVANCED FUNCTIONS - DOS/VS RELEASE 34 SUPPLEMENT TO DOS/VS SERVICEABILITY AIDS AND DEBUGGING PROCEDURES, LIC PROG 5746-XE2

This supplement contains changed pages to DOS/VS Serviceability Aids and Debugging Procedures, GC33-5380-3, for Advanced Functions - DOS/VS, Release 34. It describes support for asynchronous operator communication, up to seven partitions, and VM linkage enhancements.

Manual, 8 1/2 x 11 inches, 26 pgs, 4/77
 ////5746-XE2

GC33-6048

DOS/VS POWER/VS INSTALLATION GUIDE AND REFERENCE REL 34

This manual is designed as a reference source for all DOS/VS users interested in using POWER/VS, primarily in the local environment.

Chapter 1 is an introduction to POWER/VS.

Chapter 2 describes the storage requirements for POWER/VS and the macros, options, and procedures for the POWER/VS generation.

Chapter 3 lists the central operator commands, the JECL statements, and the AUTOSTART statements. It also discusses POWER/VS job accounting, output segmentation, and cross-partition communication.

Chapter 4 illustrates how to use POWER/VS: to start and to stop the system, and to start, control, and stop POWER/VS tasks.

The three appendixes discuss the data compaction support, the I/O specifications for the RJE, SNA support, and the LOGON BIND parameter requirements for VTAM.

Manual, 8 1/2 x 11 inches, 160 pages, 4/77
 //36//5745

GC33-6049

DOS/VS POWER/VS WORK STATION USER'S GUIDE, RELEASE 34

This manual is intended for DOS/VS users who wish to submit DOS/VS jobs from remote terminals or work stations. It covers the following:

- o A general overview of POWER/VS RJE support.
- o General considerations concerning remote job entry operations.
- o Detailed instructions for all supported terminals how to perform I/O operations, to handle special forms requirements, and to overcome error conditions.
- o Remote Operator Control Language (ROCL) commands.
- o Job Entry Control Language (JECL) statements.
- o Account records, VTAM BIND parameters, SNA sense data.
- o POWER/VS, RJE, and POWER/VS RJE, SNA messages (message types 1Rxx, 1Qxx, and 1Vxx).

Manual, 8 1/2 x 11 inches, 194 pgs, 4/77
 //36//5745

GC33-6050

ADVANCED FUNCTIONS - DOS/VS SPECIFICATIONS (LPS), LIC PROG 5746-XE2

Provides the programming specifications for the licensed program Advanced Functions - DOS/VS.

Manual, 4 pgs, 4/77
 ////5746-XE2

GC34-0006

SYSTEM/7 LINKAGE EDITORS PROG. NOS. 360A-TX-015,025, 5744-ACL, 5747-ACL, AND 5707-AF1

This manual provides you, the IBM System/7 user, with the information necessary to use the MSP Host Program Preparation Facilities II Linkage Editor (Link/7). Link/7 aids in preparing System/7 modular application programs using an IBM System/360 or System/370 host system operating under control of either System/360 Operating System or Disk Operating System (DOS).

LINK/7 aids in the preparation of System/7 programs by combining modules, resolving external references, relocating programs, adding subroutines, preparing overlay modules and maintaining a load module library.

The reader is assumed to be a user (programmer or system analyst) who has a working knowledge of the System/7 assembler (ASM/7) and FORMAT/7.

Prerequisite reading for this publication is: IBM

System/7 Summary GA34-0002, System/7 Macro Assemblers GC34-0018.

Prerequisite Publications:

IBM System/7 Modular System Programs (MSP/7) Host Program Preparation Facilities II on System/360 or System/370: Introduction, GC34-0007
IBM System/7 Macro Assemblers, GC34-0018
Introducing the Enhanced MSP/7: Executive Briefing, Manual, 84 pages
//31//5744-AC1,5707-AF1,5747-AC1,5747-AF1,5744-AF1,5707-AA1

GC34-0056

DISTRIBUTED INTELLIGENCE SYSTEM: GENERAL INFORMATION MANUAL 5744-BK1

Introductory in nature, this manual serves two purposes. First, it explains a Distributed Intelligence System, in manufacturing terms, to production-line managers and industrial executives. Second, it explains the System, in software terms, to programmers and system designers.

A Distributed Intelligence System united all the information-gathering resources of a production-line into one network, with a System/370 as its central computer.

Manual, 20 pages
//36//5744-BK1

GC34-0057

DISTRIBUTED INTELLIGENCE SYSTEM PROGRAM REFERENCE GUIDE PROG 5744-BK1

Describes the Distributed Intelligence System. It tells how to include the code for Distributed Intelligence System functions in System/7 or System/370 programs, for user application programmers, and IBM System Engineers.

The manual includes both introductory and reference information on the macros and high-level call statements that are used to transmit information between the System/7 and the System/370.

Prerequisite Publications:

Distributed Intelligence System General Information Manual, GC34-0056
Distributed Intelligence System: Operations Manual, GC34-0058.
Distributed Intelligence System: Operations Manual, GC34-0058.
Manual, 164 pages
//36//5744-BK1

GC34-0058

DISTRIBUTED INTELLIGENCE SYSTEM OPERATIONS MANUAL PROG. NO. 5744-BK1

Contains the information and instructions necessary to install and operate the Distributed Intelligence System on System/370 and System/7. This information is required by people responsible for the following functions in Distributed Intelligence System installations:

- o Designing and performing an OS/VS1 SYSGEN
- o Installing a Distributed Intelligence System on a System/370 operating under OS/VS1
- o Coding Distributed Intelligence System nucleus for a System/7
- o Executing and controlling a Distributed Intelligence System from the System/370 operator console
- o Using Customer Information Control System (CICS) with the Distributed Intelligence System
- o Using Information Management System (IMS) with the Distributed Intelligence System
- o Using Distributed Intelligence System tools in program debugging

The Distributed Intelligence System is a system control program that operates under OS/VS1, resides in its own partition in a System/370, and logically connects that System/370 to one or more System/7s. Once installed, the Distributed Intelligence System enables all processors in the network to function as if they were a single processor.

Prerequisite publications:

Distributed Intelligence System: Program Reference Guide, GC34-0057. OS/VS1 System Generation Reference, GC26-3791.
MSP/7 Installation and Nucleus Generation Guide, GC34-0031.
Manual, 126 pages
//36//5744-BK1

GC35-0005

OS/VS UTILITIES: VS1 REL 4; WITH GN26-0828, REL 5; AND GN26-0878, REL 6; VS2 REL 3 UP

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
//32//5741

GC35-0010

OS/VS2 USING OS CATALOG MANAGEMENT WITH THE MASTER CATALOG: CVOL PROCESSOR

This publication is intended for the systems programmer installing OS/VS2 Release 2. The CVOL Processor is supplied to lessen your installation considerations when using OS/VS2 Release 2.

This book describes (1) the purpose and functions supported by the CVOL Processor, (2) how to use the CVOL Processor, and (3) restrictions and limitations of the CVOL

processor.
Manual, 16 pages
//30//5752

GC35-0011

OS/VS MASS STORAGE SYSTEM (MSS) PLANNING GUIDE

This manual is for data processing managers, system programmers, and application programmers. It contains general information concerning the physical characteristics of the IBM 3850 Mass Storage System and describes in general the programming support provided by OS/VS1 and OS/VS2

The prerequisite Publication is:

Introduction to the IBM 3850 Mass Storage System (MSS), GA32-0028.

Manual, 79 pages
//30//3850,3851/5741,5752,5742

GC35-0013

OS/VS MASS STORAGE CONTROL TABLE CREATE

This book describes the use of the Mass Storage Control Table Create Program and its commands. Readers of the book must have a background in programming. Those persons responsible for configuring the Mass Storage System and System Programmers are the Audiences addressed.

The Prerequisite Publication is:

IBM 3850 Mass Storage System (MSS) Installation Guide Manual, 104 pages

//30//3850,3851/5741,5752

GC35-0014

OPERATORS LIBRARY: IBM 3850 MASS STORAGE SYSTEM (MSS) UNDER OS/VS

This manual is for the cartridge handler, the console operator, the system operator. This manual describes the system and how its components fit together. It describes console commands and what to do if an error should occur.

Manual

//30//3850,3851/5741,5752

GC35-0016

OS/VS MSS SERVICES GENERAL INFORMATION

This book contains the general information about the MSVC functions, the Inventory and Journal data sets, and the MSS AMS commands that was originally published in GC35-0012 and GC35-0015. The recovery procedures chapter from GC35-0012 and the general information section from GC35-0015 have been expanded and revised as: "Checkpointing and recovering the Inventory Data Set," "Checkpointing and Recovering the Mass Storage Control Tables," and "Recovering Your Data." Readers of this book are presumed to have a background in programming, especially programming with the Access Method Services commands. The space manager and the system programmers are the two audiences.

S.L.Manual, 200 pages, 7/76

//30//3850,3851/5741,5752

GC35-0017

OS/VS MSS SERVICES REFERENCE INFORMATION

This book describes the syntax of the Mass Storage System Access Method Services commands, which includes examples of how to code the commands. The syntax explanations were originally published in GC35-0012 and GC35-0015.

Manual, 400 pages, 7/76

//30//3850,3851/5741,5752

GC35-0018

OS/VS1 AND OS/VS2 MVS MSS ENHANCEMENTS SELECTABLE UNITS SYSTEM INFORMATION, SUIDS 5741-605, 5752-824

This publication contains a general description of OS/VS1 MSS Enhancements Selectable Unit (5741-605), and OS/VS2 MVS MSS Enhancements Selectable Unit (5752-824). It is intended for installation managers, system programmers, and others planning to install either or both selectable units.

Manual, 8 1/2 x 11 inches, 20 pgs, 12/76

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GC38-0005

OPERATOR'S LIBRARY: SYSTEM/370 MODEL 135 PROCEDURES

This manual provides operating and reference information for operators of the IBM System/370 Model 135, and Model 135-3 (includes the performance enhancement feature). The Models 135 and 135-3 operate the same except during Initial Microprogram Load (IMPL) procedures. These procedure differences are explained in the manual. References in the manual made to the Model 135 also apply to the Model 135-3 unless otherwise specified.

The reader is assumed to have a working knowledge of "Introduction to IBM Data Processing Systems," GC20-1684, and some previous data processing experience.

The manual describes how to operate the following system hardware and compatibility feature:

- o IBM 3135/3135-3 Processing Unit - the system processing unit.
- o IBM 3210 and 3215 Console Printer-Keyboard - the operator's primary link with the system.
- o IBM 3277 Display Station - a secondary stand-alone console.
- o 2314/3340 Compatibility feature - IPL procedure, direct access storage devices data volume conversion, and

feature description.

For operating information of IBM input/output devices that attach to the processing unit channels and/or integrated adapters, see "IBM System/370 Bibliography," GC20-0001. Also, see the Bibliography for program operating systems that support the system.
Manual, 108 pages
3135//01///

- o Operating Procedures, contains procedures for system operation, initialization, and error recovery.
- o Handling Abnormal Situations, contains flowcharts and text for analyzing abnormal situations.
Manual, 96 pgs, 12/76
3148//01///

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
3145//01///

GC38-0016

SYSTEM/370 MODEL 138 OPERATING PROCEDURES
This manual contains information for operators of the IBM System/370 Data Processing System Model 138. The reader is assumed to have a working knowledge of Introduction to IBM Data Processing Systems, GC20-1684. Some previous operating experience on either a similar system or related data processing equipment is helpful. The information in this manual is for all levels of operator experience - for training as well as for system operation.

- The manual describes how to operate the following:
- o IBM 3138 Processing Unit and Console Display-Keyboard
 - o IBM 3046 Power Unit - major source of electrical power for the processing unit
 - o IBM 3286 Printer - the optional console printer
 - o Input/Output devices that are attached to the CPU integrated adapters
 - o 2314/3340 Compatibility Feature - IPL procedure, data volume conversion, and feature description.

Manual, 112 pages, 11/76
3138//01///

GC38-0017

OPERATOR'S LIBRARY: IBM SYSTEM/370 MODEL 148 OPERATING PROCEDURES
This manual contains information necessary to operate these units of the IBM System/370 Model 148:

- IBM 3148 Processing Unit
- Console Display-Keyboard
- IBM 3286 Printer
- Console File.

The reader is assumed to have basic computer knowledge and experience or to have computer operating experience on a similar system or other related data processing equipment. The information in this manual is for all levels of operator experience, for training as well as system operation. The five major sections are:

- 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 beyond normal operating procedures.
- o Console File, contains procedures for handling, insertion, and removal of magnetic disk cartridges.
- o Console Display-Keyboard, contains D-KB manual operations, keyboard keys and functions, and description of indicators and controls. Also includes 3286 Printer operation, controls, and procedures for forms insertion and ribbon replacement.

GC38-0025

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
3158//01///

GC38-0030

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
3168//01///

GC38-0110

OPERATOR'S LIBRARY: OS/VS1 REFERENCE
Documents VS1 system operator and RES (remote entry services) commands for the system operator and the operator at the central computer of a RES system. Some sections are of interest to operators at secondary consoles such as those in the tape or disk pool.

Documents only operator-initiated commands. Parameters to be issued in response to messages are documented in the System Messages Manual.
Manual, 150 pages
//40//5741

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

OS/VS2 Planning and Use Guide, GC28-0600
Operator instructions for a particular console are contained in the applicable Operating Procedures manual. You should be familiar with OS and System/370 before using this publication.
Manual, 28 pages
//40//5741

GC38-0210

OPERATOR'S LIBRARY: OS/VS2 REFERENCE (JES2)
This publication provides the basic system information for a system console operator to run a System/370 machine under OS/VS2 with JES2. 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 with JES2; 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
//40///

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
//39//5742

GC38-0225

OPERATOR'S LIBRARY: OS/VS2 REMOTE TERMINALS (JES2)
This guide is for operators and users of JES2 remote workstations who enter one or more jobs to be sent, using JES2, to a central computer for processing.

This book describes input/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 workstation (1130, S/360, S/360 Model 20, 2922, S/3, 3780, 2780, 2770) there is a separate chapter that describes its operation. This part of the book can be tailored to each installation's requirements by removing sections that do not apply.
Manual, 120 pages
/C/38//5752

GC38-0226

OPERATOR'S LIBRARY: OS/VS2 REFERENCE (JES3)
This publication provides the basic system information required for a system console operator to effectively control a System/370 running under OS/VS2 with the Job Entry Subsystem 3 (JES3). A knowledge of the information in the IBM Basic Operator Training Course is assumed.

The following topics are discussed in this publication: a general overview of the JES3 system; the commands and procedure for starting, stopping, and restarting the system, controlling a JES3 complex, utility information, reconfiguration and recovery facilities.

Manual, 216 pages
//40//5752

GC38-0228

OPERATOR'S LIBRARY: OS/VS2 REMOTE TERMINALS (JES3)
This publication consists of a general section and a self-contained section for each of the remote terminals supported by JES3. Each such section provides information necessary to operate the remote terminal and to recover from errors that may occur during operation. The publication is designed primarily for the remote terminal user.

Manual, 72 pages
/C/38//5752

GC38-0229

OPERATOR'S LIBRARY: OS/VS2 MVS SYSTEM COMMANDS
This publication describes system functions, commands, and procedures used by a system console operator in running a System/370 under OS/VS2 Release 3.7.

The following topics are discussed in this publication:

- o an overview of OS/VS2, JES2, and JES3
- o allocating and controlling configuration and devices
- o the commands and procedures for starting, quiescing, and stopping the system
- o controlling the system
- o controlling jobs
- o controlling the external writer
- o controlling time sharing
- o recording system information
- o dynamic device reconfiguration
- o shared DASD option
- o system command summary

Installations which have JES2 or JES3 installed should also refer to the following publications:

- o Operator's Library: OS/VS2 MVS JES2 Commands, GC23-0007
- o Operator's Library: OS/VS2 MVS JES3 Commands, GC23-0008

Manual, 124 pages, 5/76
//40//5752

GC38-0251

NETWORK OPERATION SUPPORT PROGRAM GENERAL INFORMATION, PROG PROD 5735-XX2

This publication is a general description of the Network Operation Support Program. It is intended for customer executives, system administrators, system analysts, system programmers, application programmers, and terminal operators. The first part of this publication provides an overview of the Network Operation Support Program in a complex data communications network. The second part is a functional description of the program including its major functions. The remaining sections discuss terminal and program support and compatibility considerations.

Manual, 8 1/2 x 11 inches, 28 pages, 10/76
/////5735-XX2

GC38-0252

NETWORK OPERATION SUPPORT PROGRAM, DESIGN OBJECTIVES, PROG PROD 5735-XX2

The network operation support program PPDO is a brief

description of the functions and facilities of the program, which enables an operator at a console anywhere in the system to enter commands. The audience is customer executives, system administrators, system analysts, and system programmers. This document is intended only as a description of the program's design objectives.

Flyer, 2 pgs
/////5735-XX2

GC38-0253

ADVANCED COMMUNICATIONS FUNCTION FOR VTAM (ACF/VTAM) INCLUDING A FEATURE FOR MULTISYSTEM NETWORKING, DESIGN OBJECTIVES, PROG PROD 5746-RC3, 5735-RC2

Contains the design objectives for ACF/VTAM. It is intended for customer data processing management. ACF/VTAM is an advanced teleprocessing access method, based on VTAM, that permits communication between application programs and terminals within single domain network and between domains of a multiple domain network.

Flyer, 4 pgs, 9/76
/////5735-RC2

GC38-0254

ADVANCED COMMUNICATIONS FUNCTION FOR VTAM (ACF/VTAM) GENERAL INFORMATION, PROG PRODS 5735-RC2, 5746-RC3

This manual is intended for those who will decide whether or not to use ACF/VTAM (an IBM program product), and is a preliminary source of information for installation managers and system programmers who will install it.

It discusses:

- o Definition of ACF/VTAM to the operating system
- o Operation of an ACF/VTAM network
- o ACF/VTAM macro instructions
- o Reliability, availability, and serviceability features available to ACF/VTAM

The reader should be familiar with teleprocessing concepts. System programmers should be familiar with the operating system with which they will use ACF/VTAM.

Manual, 8 1/2 x 11 inches, 50 pgs, 10/76
/////5735-RC2, 5746-RC3

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
//40//2250, 2260, 3158, 3168, 3056, 3277/5741

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
//40//2250, 2260, 3158, 3168, 3056, 3277/

GC38-0282

ADVANCED COMMUNICATIONS FUNCTION FOR VTAM (ACF/VTAM) CONCEPTS AND PLANNING, PROG PROD 5735-RC2, 5746-RC3

This publication provides a guide to planning for the installation and use of Advanced Communications Function for VTAM (ACF/VTAM), an IBM program product, in both DOS/VS and OS/VS. ACF/VTAM provides connection and telecommunication services between application programs and terminals in a single-host or multiple-host network. ACF/VTAM supports terminals on SDLC, BSC, and Start-Stop lines as well as locally attached 3270 Information Display Systems and 3790 Communication Systems. The ACF/VTAM user can dynamically define, control, and modify his telecommunication system; distribute function throughout the network; and share network resources among his application programs.

This publication describes ACF/VTAM's major concepts and facilities on both an installation and an application program level. It also describes ACF/VTAM's reliability, availability, and serviceability features, hardware and software requirements, and planning considerations for telecommunication security, resource sharing, and using ACF/VTAM with other telecommunication access methods both in the same host computer and in different host computers. This publication is directed primarily to data processing

managers and system programmers that are installing or considering installing ACF/VTAM. A more general description of ACF/VTAM is provided in Advanced Communications Function for VTAM General Information, GC38-0254. Manual, 8 1/2 x 11 inches, 250 pages, 10/76
 //40//5752-RC2,5746-RC3

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 included in the manual.
 Manual, 28 pages
 /C/30//5741

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
 //38//5741

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
 //38//5741

GC38-1000

OS/VS MESSAGE LIBRARY: MASS STORAGE SYSTEM (MSS) MESSAGES
 This publication is part of the OS/VS Message Library. It documents the mass storage system messages (with prefixes ICB and ICG) and the reason codes returned from the mass storage system communicator. "ICB" prefixed messages from the mass storage system communicator (including mass storage volume control messages) are documented. "ICG" prefixed messages from the mass storage control table create program and the mass storage control trace report programs are documented.
 Manual, 100 pages
 //30//3850,3851/5741,5752

GC38-1001

OS/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, 400 pages
 //40//5741

GC38-1002

OS/VS MESSAGE LIBRARY: VS2 SYSTEM MESSAGES
 This publication lists, explains, and suggests appropriate responses to the messages issued by most OS/VS2 control program functions including scheduler, supervisor, data management, and system generation. The messages are presented in an alphabetic order.
 This publication also includes information on the following Selectable Units: VTAM 2 (VS2.03.801), JES2 Release 4.0 (VS2.03.803), Scheduler Improvements (VS2.03.804), Supervisor Performance #2 (VS2.03.807), Data Management (VS2.03.808), IBM 3800 Printing Subsystem (VS2.03.810), JES3
 3850 Mass Storage System (5752-818), MSS Enhancements (5752-824), JES2 Release 4.1 (5752-825).
 Manual, 500 pages, 4/77

//40//5752

GC38-1003

OS/VS1 SYSTEM CODES
 This publication lists the system completion codes and wait state codes for VS1. Each code is explained, and where appropriate, a programmer response is suggested. Problem determination actions accompany problem identifying codes.
 Manual, 72 pages
 //40//5741

GC38-1005

OS/VS 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
 //32//5741

GC38-1007

OS/VS 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, 21 pages
 //31//5741

GC38-1008

OS/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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 //39//5742

GC38-1010

OS/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
 /C/30//5741

GC38-1011

SYSTEM/370 SUBSYSTEM SUPPORT SERVICES (LEVEL 4) MESSAGES
 This publication is a part of the OS/VS Message Library, it documents OS/VS1 and OS/VS2 messages for the subsystem support services component.
 Associated Publications - The publication that introduces the concepts and terminology relevant to all of the messages is:
 IBM System/370 Subsystem Support Services User's Guide, GC30-3022
 Manual
 /C/40//3660,3663,3661,3790,3791,3600,3601,3602,3650,3651/5741,5752,5742,5745

GC38-1012

OS/VS2 MESSAGE LIBRARY JES 3 MESSAGES
 This major revision contains the JES3 operator and system programmer messages necessary to operate and maintain JES3. Support of the IBM 3850 Mass Storage System is included.
 Manual, 8 1/2 x 11 inches, 235 pgs., 3/77
 //40//5752-818

SC38-1014

OS/VS2 MVS RACF MESSAGES & CODES, PROG PROD 5740-XXH
 This publication lists the messages and codes produced by the RACF program product. It contains explanations for RACF-defined users who issue RACF commands, run RACF

utilities, and maintain RACF-protected data sets.
Manual, 36 pages
/////5740-XXH

GC38-1016

OS/VS2 SYSTEM CODES (COLLATED VERSION)

This publication lists, explains, and suggests appropriate responses for the system codes and wait state codes produced by IBM-supplies components of OS/VS2. The codes are presented in alphameric order.

This publication also includes the following Selectable Unit information:

Supervisor Performance #1	VS2.03.805
Attached Processor System	VS2.03.806
Supervisor Performance #2	VS2.03.807
Data Management	VS2.03.808
JES3	VS2.03.812
TSO/VTAM	VS2.03.813

Manual
//40//5752

GC38-1017

OS/VS2 ROUTING & DESCRIPTOR CODES (COLLATED VERSION)

This publication lists VS2 message IDs and describes the routing and descriptor Codes assigned to the messages through WTO/WTOR macro parameters. The message IDs are presented in alphameric order.

This publication also includes the following Selectable Unit information:

VTAM2	VS2.03.801
JES2 Release 4.0	VS2.03.803
Scheduler Improvements	VS2.03.804
Supervisor Performance #2	VS2.03.807
IBM 3800 Printing Subsystem	VS2.03.810

Manual
//40//5752

SC38-1022

NETWORK JOB ENTRY FACILITY FOR JES2 RELEASE 2: SYSTEM MESSAGES - PROG PROD 5740-XR8

This program product Supplement contains replacement pages for OS/VS Message Library: VS2 System Messages. It can be applied to either the 3.7 base version of VS2 System Messages, GC38-1002-4; or the collated version, GC38-1015-0.
Manual, 1/77
/////5740-XR8

GC38-1023

OS/VS2 MVS JES2 RELEASE 4.1 SELECTABLE UNIT: ROUTING AND DESCRIPTOR CODES - SUPPLEMENT SUID 5752-825

This selectable unit Supplement contains replacement pages for OS/VS Message Library: VS2 Routing and Descriptor Codes. It can be applied to either the 3.7 base version of VS2 Routing and Descriptor Codes, GC38-1102-0; or the collated version, GC38-1017.
Manual, 8 pgs, 1/77
/////5752-825

GC38-1024

OS/VS2 MVS JES2 RELEASE 4.1 SELECTABLE UNIT: SYSTEM MESSAGES SUPPLEMENT SUID 5752-825

This Selectable Unit Supplement contains replacement pages for OS/VS Message Library: VS2 System Messages. It can be applied to either the 3.7 base version of VS2 System Messages, GC38-1002-4; or the collated version, GC38-1015-0.
Manual, 1/77
/////5752-825

GC38-1025

OS/VS2 MVS JES3 3850 MASS STORAGE SYSTEM SELECTABLE UNIT: SYSTEM MESSAGES - SUPPLEMENT SUID 5752-818

This is a Supplement which contains System Messages in support of OS/VS2 MVS JES3 3850 Mass Storage System.
Manual, 20 pgs, 3/77
/////5752-818

GC38-1026

OS/VS2 MVS DUMPING IMPROVEMENTS SELECTABLE UNIT 5752-833: SYSTEM COMMANDS SUPPLEMENT

This supplement to OS/VS2 MVS System Commands, GC38-0229-0 describes changes to the MSGRT command, Dump Reply command, Display command, and the SLIP command. These changes provide an installation with increased dumping capability.
Manual, 56 pgs, 3/77
/////5752-833

GC38-1027

OS/VS2 DUMPING IMPROVEMENTS SELECTABLE UNIT 5752-833: ROUTING & DESCRIPTOR CODES SUPPLEMENT

Contains Routing and Descriptor Codes in support of OS/VS2 MVS Dumping Improvements.
Manual, 12 pgs, 3/77
/////5752-833

GC38-1028

OS/VS2 MVS DUMPING IMPROVEMENTS SELECTABLE UNIT: SYSTEM MESSAGES SUPPLEMENT, SUID 5752-833

OS/VS MVS Dumping Improvements Selectable Unit: System Messages GC38-1028 is a Supplement which contains System Messages in support of OS/VS2 MVS Dumping Improvements.
Manual, 8 1/2 x 11 inches, 20 pgs, 3/77
/////5752-833

GC38-1029

OS/VS2 DUMPING IMPROVEMENTS SELECTABLE UNIT 5752-833: SYSTEM CODES SUPPLEMENT

Contains System Codes in support of OS/VS2 MVS Dumping Improvements.
Manual, 8 pgs, 3/77
/////5752-833

GC38-1032

OS/VS2 MVS JES3 3850 MASS STORAGE SYSTEM SELECTABLE UNIT: SYSTEM CODES - SUPPLEMENT SUID 5752-818

OS/VS2 MVS JES3 3850 Mass Storage System Selectable Unit: System Codes GC38-1032 is a Supplement which contains System Codes in support of OS/VS2 MVS JES3 3850 Mass Storage System.
Manual, 8 pgs, 3/77
/////5752-818

GC38-1033

OS/VS2 MVS ATTACHED PROCESSOR SYSTEM FOR 370 MODELS 158, 168 SELECTABLE UNIT: SYSTEM COMMANDS (SU ID 5752-847) SUPPLEMENT

This supplement to OS/VS2 MVS System Commands, GC38-0229-0 describes the VARY command (VARY path, VARY channel, VARY CPU) support for the Attached Processor System for Models 158/168.
Manual, 8 1/2 x 11 inches, 28 pgs, 4/77
/////5752-847

GC38-1034

OS/VS2 MVS Attached Processor System - SU 47 SYSTEM CODES SUPPLEMENT, SUID 5752-847

Supplement which contains VS2 System Codes in support of OS/VS2 MVS Attached Processor System.
Manual, 8 1/2 x 11 inches, 8 pgs, 4/77
/////5752-847

GC38-1101

OS/VS1 ROUTING & DESCRIPTOR CODES

This publication lists the routing and descriptor codes of OS/VS1 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.

For additional information like message texts and explanations, you must refer to other publications in the OS/VS Message Library.
Manual, 30 pages, 11/76
//40//5741

GC38-1102

OS/VS2 ROUTING & DESCRIPTOR CODES

This publication lists the routing and descriptor codes of OS/VS2 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.

Only this reference material is listed in the manual. For additional information such as message texts and explanations, you must refer to other publications in the OS/VS Message Library.
Manual, 28 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

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.

PREFACE PL/I SCIENTIFIC*COMPUTING LANGUAGE
PROGRAMMING*LANGUAGE
SLSS - ORDER NO. SUBSCRIPTION ONLY

GF20-8172

INSTALLATION MANAGEMENT BIBLIOGRAPHY

This bibliography describes selected IBM publications on the management of data processing, data security, and generally useful application development techniques.

Publications intended for a specific data processing system are, normally, excluded; for those, refer to the bibliography for that system.

The publications included are texts, manuals, briefs, and articles; also, certain forms and templates, reference indexes, and catalogs.

The bibliography provides the titles, order numbers, and abstracts. Items are clustered by topic and sorted by title; a second list is in order-number sequence showing the items' current status.

Special bibliography, 8 1/2 x 11 inches, 16 pages, 4/77
////0000

GH09-0052

GIS DOS/VS, PRPO 5799-ALX SPECIFICATIONS

This Program Product Specifications (PPS) describes the warranted specifications of the subject programming product. Fanfold, 4 pages

////5799-ALX

GH12-5115

DATA LANGUAGE/I-ENTRY DOS/VS (DL/I-ENTRY DOS/VS)
GENERAL INFORMATION MANUAL, PROG. PROD. 5746-XX7

This book introduces DL/I-Entry DOS/VS to the executive, system programmer, or application programmer and gives a general picture of what DL/I-Entry is.

The DL/I-Entry data base system makes data handling easier for application programs, and centralizes the data required by more than one application program. Both batch programs running under DOS/VS and online programs running under the Customer Information Control System/DOS/VS (CICS/VS) can use DL/I-Entry.

This book explains the advantages of using data bases, gives a general description of DL/I-Entry data bases and of how application programs use them, and lists machine configuration requirements. Examples are provided of using DL/I-Entry to control the ordering and distribution of products, to produce a bill of materials in a manufacturing application, and to provide a complete system for order entry and production planning and control in the process industry.

Prerequisite to understanding this book is some familiarity with the use of computers to process data. Manual, 52 pages, 2/76
////5746-XX7

GH12-5122

IBM SYSTEM/370 IMS/VS DATA BASE ANALYZER GENERAL
INFORMATION MANUAL PROGRAM PRODUCT 5740-XXR (OS/VS)

IMS/VS Data Base Analyzer (DB analyzer) is an Information Management System/Virtual Storage (IMS/VS) productivity aid that analyzes the structure of an existing IMS/VS data base with hierarchical direct (HDAM or HIDAM) organization. It produces reports on distribution of pointers and free space, to allow monitoring of the efficiency of data base space allocation in storage. It also checks pointer integrity, examining whether recovery procedures have been applied successfully.

This manual includes a general description of the program components and their interaction, computing system and system control program requirements, and sample output.

This publication is intended primarily for data base administrators and system analysts. The reader is assumed to be familiar with IMS/VS data bases and their pointer structures. Publications providing this background are IMS/VS Utilities Reference Manual, SH20-9029 and IMS/VS System/Application Design Guide, SH20-9025. Manual, 8 1/2 x 11 inches, 24 pgs, 12/76
////5740-XXR

GH12-5233

IMS/VS DATA BASE ANALYZER PROG PROD 5740-XXR OS/VS,
SPECIFICATIONS

Describes the warranted specifications of the program. Flyer, 8 1/2 x 11 inches, 2 pgs, 11/76

////5740-XXR

SH12-5317

IBM SYSTEM/370 IMS/VS DATA BASE ANALYZER USER'S
GUIDE, PROG PROD 5740-XXR (OS/VS)

IMS/VS Data Base Analyzer (DB analyzer) is an Information Management System/Virtual Storage (IMS/VS) productivity aid that analyzes the structure of an existing IMS/VS data base with hierarchical direct (HDAM or HIDAM) organization. It produces reports on distribution of pointers and free space, to allow monitoring of the efficiency of data base space allocation in storage. It also checks pointer integrity,

examining whether recovery procedures have been applied successfully.

This manual describes the processing, installation, and operation of the four DB analyzer programs. It helps with understanding and applying the output of DB analyzer and includes explanations of all the messages.

This publication is intended primarily for data base administrators and system analysts. The reader is assumed to be familiar with IMS/VS data bases and their pointer structures. Publications providing this background are IMS/VS Utilities Reference Manual, SH20-9029 and IMS/VS System/Application Design Guide, SH20-9025. Manual, 8 1/2 x 11 inches, 92 pgs, 12/76
////5740-XXR

SH12-5411

DL/I DOS/VS APPLICATION PROGRAMMING REFERENCE MANUAL
PROGRAM PRODUCT 5746-XX1

This manual describes how to write a DL/I DOS/VS application program for execution in the batch or online environments. It is intended for COBOL, PL/I, or Assembler language application programmers who wish to employ DL/I DOS/VS functions in their programs, and for data base administrators who are designing DL/I DOS/VS applications.

DL/I DOS/VS is a data management control system that assists the user in creating, accessing, and maintaining large common data bases. In conjunction with the Customer Information Control System (CICS/DOS/VS), DL/I DOS/VS can be used in an online teleprocessing environment. This manual contains four main sections: an overall view of how a DL/I DOS/VS application program is written and executed, a description of the function codes, the considerations to apply for an online application program, and a description of the advanced programming functions. A glossary of DL/I terms is also included.

Readers of this manual must be thoroughly familiar with the use of DOS/VS, and of CICS/DOS/VS if DL/I DOS/VS is to be used in the online environment. Manual, 90 pages
////5746-XX1

SH12-5412

DL/I DOS/VS UTILITIES AND GUIDE FOR THE SYSTEM PROGRAMMER
PROGRAM PRODUCT 5746-XX1

This manual describes each of the DL/I DOS/VS utility programs and explains how to execute them under DOS/VS. This manual is written for data base administrators and system programmers who are concerned with maintaining and reorganizing data bases and creating data base control blocks.

DL/I DOS/VS is a data management control system that assists the user in creating, accessing, and maintaining large common data bases. In conjunction with the Customer Information System (CICS/DOS/VS), DL/I DOS/VS can be used in an online teleprocessing environment. This manual describes procedures used for creating control blocks and utilities for data base recovery, for data base reorganization, and for the resolution of data base logical relationships.

Readers of this manual must be thoroughly familiar with the use of DOS/VS, and of CICS/DOS/VS if DL/I DOS/VS is to be used in the online environment. Before using the DL/I DOS/VS utilities and procedures described in this manual, users should read DL/I DOS/VS System/Application Design Guide, SH12-5413. Manual, 262 pages
////5746-XX1

SH12-5413

DL/I DOS/VS SYSTEM/APPLICATION DESIGN GUIDE
PROGRAM NO. 5746-XX1

This manual presents a general description of DL/I DOS/VS and the considerations to apply when designing a DL/I DOS/VS system. It is intended for DP managers who want a general picture of DL/I DOS/VS and for system analysts and data base administrators who are planning and designing a system.

DL/I DOS/VS is a data management control system that assists the user in creating, accessing, and maintaining large common data bases. In conjunction with the Customer Information Control System (CICS/DOS/VS), DL/I DOS/VS can be used in an online teleprocessing environment. This manual contains descriptions of planning a DL/I DOS/VS system, designing data base structures, controlling and executing data base systems, designing application programs, selecting an access method and employing the DL/I DOS/VS utilities. Also included is a section on estimating DL/I DOS/VS storage requirements.

Readers of this manual must be thoroughly familiar with the use of DOS/VS, and of CICS/DOS/VS if DL/I DOS/VS is to be used in the online environment. Manual, 170 pages
////5746-XX1

SH12-5414

DL/I DOS/VS OPERATOR'S REFERENCE MANUAL & MESSAGES AND
CODES, PROG. PROD. 5746-XX1

This publication explains how to execute a DL/I DOS/VS application or utility program as a batch job under DOS/VS. It also lists all DL/I DOS/VS messages and status codes. The appendixes identify the messages and status codes issued by each DL/I DOS/VS module. This manual is intended for use by persons operating the DL/I DOS/VS system and by application programmers and data base administrators who may need information on messages and status codes.

DL/I DOS/VS is a data management control system that assists the user in creating, accessing, and maintaining large common data bases. In conjunction with the Customer Information Control System (CICS/DOS/VS), DL/I DOS/VS can be used in an online teleprocessing environment.

Readers of this manual must be thoroughly familiar with the operation of DOS/VS, and of CICS/DOS/VS if DL/I DOS/VS is to be used in the online environment.
Manual, 102 pages
/////5746-XX1

SH12-5415

DATA LANGUAGE/I-ENTRY DOS/VS (DL/I-ENTRY DOS/VS) APPLICATION PROGRAMMING REFERENCE MANUAL PROG. PROD. 5746-XX7

This book explains the application programmer how to work with DL/I-Entry DOS/VS. Using this book, the application programmer can write and run COBOL, RPG II, PL/I, or Assembler programs which use DL/I-Entry.

The DL/I-Entry data base system makes data handling easier for application programs, and centralizes the data required by more than one application program. Both batch programs running under DOS/VS and online programs running under the Customer Information Control System/DOS/VS (CICS/VS) can use DL/I-Entry.

This book introduces DL/I-Entry concepts, explains both the mechanics and the techniques of writing application programs which use DL/I-Entry, shows how to run them, and provides examples. The use of DL/I-Entry calls and the definition of program communication block (PCB) masks are described in detail. A glossary explains DL/I-Entry terms used in the book.

Prerequisite to using this book is a knowledge of how to program in COBOL, RPG II, PL/I, or Assembler, and some familiarity with DOS/VS. Online programmers must in addition be familiar with CICS/VS programming conventions.
Manual, 168 pages, 02/76
/////5746-XX7

SH12-5418

IBM DL/I-ENTRY UTILITIES REFERENCE SUMMARY

This reference card provides system personnel with a guide to using the DL/I-Entry DOS/VS utilities. Using this card, the data base descriptions (DBDs) and program specification blocks (PSBs) necessary to use DL/I-Entry data bases can be generated.

The DL/I-Entry data base system makes data handling easier for application programs, and centralizes the data required by more than one application program. Both batch programs running under DOS/VS and online programs running under the Customer Information Control System/DOS/VS (CICS/VS) can use DL/I-Entry.

This card presents in condensed form the information on DL/I-Entry utilities covered in the DL/I-Entry DOS/VS Design and Implementation Guide, SH12-5311. Some familiarity with the book is therefore a prerequisite to using the card.
Summary, 6 pages (11/74)
/////5746-XX7

SH18-0007

TSO 3270 PRINTER SUPPORT PROGRAMMING RPO U946866 DESCRIPTION AND OPERATION MANUAL PROGRAM NUMBER 5799-ALB

The TSO 3270 Printer Support Program is designed to provide the user with functions to produce hard copies of his TSO session on the 3277 display station. The hard copies are produced on the 3284 printer.

This manual contains information on the functions of TSO 3270 Printer Support Program and the operating procedures necessary to install and use this program.
Manual, 74 pages
/////5799-ALB

GH19-0082

GENERALIZED INFORMATION SYSTEM DOS/VS, GENERAL INFORMATION PROG. NO. 5799-ALX, PRPQ 8T0139

This manual surveys the operational concepts and system capabilities of the Generalized Information System for DOS/VS.

Manual, 44 pages
/////5799-ALX

GH19-0084

GENERALIZED INFORMATION SYSTEM DOS/VS EXECUTIVE QUERY, REFERENCE - PROG. NO. 5799-ALX, PRPQ 8T0139

This manual is designed to give a sampling of GIS DOS/VS PRPQ capabilities and to provide a reference for non-data-processing users.

Manual, 58 pages 04/75
/////5799-ALX

SH19-0086

GENERAL INFORMATION SYSTEM DOS/VS LANGUAGE REFERENCE MANUAL - PROG. NO. 5799-ALX

The LRM is a reference manual for GIS Language users. The procedural-language utilities and the task input parameters are described in detail. Language Syntax and conventions are described.

Manual, 169 pages
/////5799-ALX

SH19-0087

GENERAL INFORMATION SYSTEM DOS/VS SYSTEM PROGRAMMER'S REFERENCE MANUAL - PROG. NO. 5799-ALX

The SPRM is designed for the system programmers and data base administrators. It is technical in nature and should be used by those responsible for system and data base planning, design, installation, and the details of system operation.

Manual, 65 pages, 4/75
/////5799-ALX

SH19-0088

GENERAL INFORMATION SYSTEM DOS/VS MESSAGES AND CODES REFERENCE MANUAL - PROG. NO. 5799-ALX

This manual lists completion codes, status codes, and messages produced by the IBM supplied components of the GIS system.

Manual, 94 pages, 4/75
/////5799-ALX

GH19-0094

GENERAL INFORMATION SYSTEM DOS/VS USER'S GUIDE - PROG. NO. 5799-ALX

This user's guide has two purposes, one is to instruct and guide the non-technical "end-user", the second purpose is to introduce and guide the more technically oriented, new GIS DOS/VS user.

Manual, 72 pages & cover
/////5799-ALX

GH19-6044

TERMINAL BUSINESS SYSTEM/VS TO CICS/VS CONVERSION GUIDE

This publication is intended for users of Terminal Business System/VS, who are planning to move their applications onto an in-house CICS/VS system. Because it is anticipated that most users will be considering the DOS/VS version of CICS/VS, attention is focussed on this product. However, most of the points covered will apply equally to CICS-OS/VS.

Systems programmers will find that this publication will give them an understanding of the application designer's requirements, but not detailed information about, or assistance with, installing a CICS/VS system. These subjects are covered in other publications.

Manual, 8 1/2 x 11 inches, 84 pgs, 1/77

GH19-7024

IBM 3277 DISPLAY STATION CUSTOM FEATURE DESC. 1980-C24 PRINTER ATTACHMENT RPO U58950

This manual describes the operation of the IBM 1980-C24 Printer when attached to an IBM 3277-001 Display Station. Operating procedures and physical planning information for the 1980 Ticket Printer only is included.

The introduction includes a discussion of the operation of the 3277 Display Station when this RPO is attached. It is intended mainly for company executives, planners, programmers, and IBM marketing representatives.

The 1980 Printer Operating Procedures provide the necessary information to allow an operator to use the printer.

The Physical Planning section provides physical data to assist installation planners.

When this publication is used, it is assumed that the reader is familiar with the 3270 system manuals, applicable to his needs.

An Introduction to the 3270 Information Display System, GA27-2739

Operator's Guide for IBM 3270 Information Display Systems, GA27-2742

IBM 3270 Information Display System Component Description, GA27-2749

Manual, 20 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

GH20-0689

APL/360 PRIMER, STUDENT TEXT

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.

Course Manual
/////5736-XM1, 5734-XM1

GH20-0765

INFORMATION MANAGEMENT SYSTEM/360, VERSION 2, GENERAL INFORMATION MANUAL: PROG. PROD. 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
 ////5734-XX6

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
 ////5734-XM6,5736-XM6

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
 ////5734-XX1

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
 ////5734-XM6,5736-XM6,5799-AJF

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
 ////5734-XX6

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
 ////5734-XX6

SH20-0912

IMS/360 VERSION 2 PROG 5734-XX6 APPLICATION PROGRAMMING
REFERENCE

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 System/360 System Application Design Guide (SH20-0910) before reading this document. Program Product Manual, 120 pages
 ////5734-XX6

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
 ////5734-XX6

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
 ////5734-XX6

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
 ////5734-XX6

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
 ////5736-XM6

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
/////5734-XX6

GH20-1027

STAT/BASIC FOR SYSTEM/3 MODEL 6, ITP, AND VM/370-CMS: GENERAL INFORMATION, PROG. NOS. 5703-XA1, 5734-XA3
STAT/BASIC is a comprehensive set of interactive statistical programs for System/3 Model 6 and ITP (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
/////5703-XA1,5734-XA3

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
/////5736-XX6,5736-XX7,5734-XX7

SH20-1030

IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) PROGRAM DESCRIPTION MANUAL, VOLUME 1: SYSTEM OVERVIEW AND CONTROL, PROG. PROD. 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
/////5734-XX1

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
/////5734-XX1

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
/////5734-XX1

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
/////5736-XX6,5736-XX7

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
/////5734-XX1

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
/////5736-XX6,5736-XX7,5734-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
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 system administration.
Manual, 52 pages
/////5736-XX6,5736-XX7,5734-XX7

SH20-1047

CUSTOMER INFORMATION CONTROL SYSTEM (CICS) APPLICATION PROGRAMMER'S REFERENCE MANUAL PROGRAM NUMBERS 5736-XX6 (DOS-ENTRY) 5736-XX7 (DOS-STANDARD; 5734-XX7 (OS-STANDARD V2)
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 to OS.

This manual provides information of interest to persons defining, designing, and preparing application programs to execute under CICS.

Program product manual, 184 pages
 ////5736-XX6,5734-XX7,5736-XX7

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
 ////5734-XX7

SH20-1069

STAT/BASIC FOR SYSTEM/3 MODEL 6, ITF, AND VM/370-CMS: PROGRAM REFERENCE - PROGRAM NUMBERS 5703-XA1, 5734-XA3

STAT/BASIC is a comprehensive set of interactive statistical programs for System/3 Model 6 and 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, 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
 ////5703-XA1,5734-XA3

SH20-1070

STAT/BASIC FOR ITF AND VM/370-CMS: OPERATIONS GUIDE, PROGRAM NUMBER 5734-XA3

This manual provides the information needed to generate, run, and maintain STAT/BASIC.

Program Product Manual, 20 pages
 ////5734-XA3

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 MIS/360 Version 2 General Information Manual (GH20-0765) will be helpful in understanding the relationship of IQF to IMS.

Program Product Manual, 54 pages
 ////5734-XX6

SH20-1103

S/370 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE COMPUTING (MUSIC) RELEASE II, IUP 5796-AAT DESCRIPTION/OPERATIONS

A new release of the MUSIC Timesharing System is now available. It contains system support for S/370 Models 125,

158, 165 and 168, including 3330/3333 Model II, 3704/3705, enhancements to BASIC and APL workspace support. In addition, its interface to VM/370 has been improved to provide more efficient operation when running in a virtual machine under VM/370 control. Programming services have been extended until December 31, 1974.

MUSIC offers a high performance and high function timesharing facility previously unavailable to the low entry System/370 user.

Manual
 ////5796-AAT,5796-AJC,5796-AHQ

SH20-1104

S/370 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE COMPUTING MUSIC RELEASE II USER'S GUIDE - IUP NUMBER 5796-AAT

A new release of the MUSIC Timesharing System is now available. It contains system support for S/370 Models 125, 158, 165 and 168, including 3330/3333 Model II, 3704/3705, enhancements to BASIC and APL workspace support. In addition, its interface to VM/370 has been improved to provide more efficient operation when running in a virtual machine under VM/370 control. Programming services have been extended until December 31, 1974.

MUSIC offers a high performance and high function timesharing facility previously unavailable to the low entry System/370 user.

Manual
 ////5796-AAT,5796-AJC,5796-AHQ

GH20-1128

MATH/BASIC FOR SYSTEM/3 MODEL 6, ITF, AND VM/370-CMS GENERAL INFORMATION MANUAL, PROG. NOS. 5703-XM2 (SYSTEM/3) AND 5734-XM8 (ITF AND VM/370-CMS)

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) or under VM/370-CMS for System/360 or System/370. It consists of 44 BASIC routines covering the solution of linear questions, matrix eigen problems, polynomial equations, numerical quadrature, numerical differentiation, interpolation, approximation, smoothing, solution of systems of ordinary differential equations, fast Fourier transform, special functions and linear programming.

The user can employ any of the 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.

Manual, 21 pages
 ////5703-XM2,5734-XM8

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
 ////5799-ADR

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
 ////5799-ADT

SH20-1157

MATH/BASIC FOR ITF AND VM/370-CMS: OPERATIONS GUIDE, PROGRAM NUMBER 5734-XM8

This manual provides the information needed to install, run, and maintain MATH/BASIC on System/370. It is assumed that the user has an installed ITF or VM/370-CMS System.

Manual, 25 pages
 ////5734-XM8

SH20-1158

MATH/BASIC FOR SYSTEM/3 MODEL 6. ITF AND VM/370-CMS PROGRAM REFERENCE MANUAL, PROG. NOS. 5703-XM2 (S/3) AND 5734-XM8 (ITF-OS/DOS/TSO AND VM/370-CMS)
 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, 244 pages
 ////5703-XM2,5734-XM8

GH20-1171

SYSTEM/370 DISTRIBUTED SYSTEM PROGRAM (S/370 DSP) GENERAL INFORMATION MANUAL, PROG. NO. 360A-TX-032
 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
 360,370/C/36/OS,OTSO,OASP,CALL/5010/

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
 360,370//36/OASP//

GH20-1175

BUSINESS ANALYSIS/BASIC GENERAL INFORMATION MANUAL, PROG. NOS. 5703-XM3 (SYSTEM/3 MODEL 6) AND 5734-XMB (ITF-OS/DOS/TSO AND VM/370-CMS)
 Business Analysis/BASIC is a comprehensive set of interactive routines for use on System/3 Model 6, System/360 or System/370 with ITF (DOS, OS, or TSO) or VM/370-CMS. 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 calculation, 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. It also includes an "Application Handbook" consisting of a number of case studies illustrating use of the routines.
 Manual, 60 pages
 ////5703-XM3,5734-XMB

SH20-1177

PLANNING GUIDE FOR THE DL/I 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
 ////5734-XX1

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
 ////5734-F31

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
 ////5734-F31

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
 ////5734-F31

GH20-1222

INTERACTIVE QUERY FACILITY (IQF) INTRODUCTION LANGUAGE GUIDE PROGRAM NUMBER 5734-XX6
 This publication is designed to acquaint the reader with the capabilities of the Interactive Query Facility (IQF) language. It is written especially for those personnel who need to become familiar with the language so that they can enter queries against their IMS/360 data bases. It is also provided for data processing management personnel who need to evaluate the benefits of IQF as a tool in their IMS/360 Version 2 installations (Modification Level 2 or higher, with the full Data Base/Data Communication System).
 Manual, 28 pages
 ////5734-XX6

GH20-1223

IQF TERMINAL USERS REFERENCE GUIDE (INTERACTIVE QUERY FACILITY) (IMS/360) - PROGRAM NUMBER 5734-XX6
 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 and retrieval and display of data maintained within IMS/360 data bases.
 IQF analyzes user queries, determines the most efficient search technique for data selection, gathers data, formats the output, and prints it at the inquiring terminal.
 This guide has been prepared for both data processing and non-data processing management and personnel and provides a quick reference to rules pertaining to use of the IQF query language.
 A complete listing of IQF diagnostic message is included in appendix A of this publication.
 Sign-on procedures for IQF-supported terminals are described in Appendix B.
 This publication assumes that the reader is familiar with the contents of Introduction to the IQF Language (GH20-1222) and knows how to enter queries at his terminal.
 Manual, 40 pages
 ////5734-XX6

GH20-1246

DATA LANGUAGE/I DISK OPERATING SYSTEM/VIRTUAL STORAGE (DL/I DOS/VS) GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5746-XX1

Data Language/I Disk Operating System/Virtual Storage (DL/I DOS/VS) is a data management control system developed to assist the user in implementing data base processing applications. It provides data organization methods that are conducive to the creation of, access to, and maintenance of large common data bases. DL/I DOS/VS permits the evolutionary expansion of data processing applications from a batch-only environment to a teleprocessing environment such as the Customer Information Control System DOS/VS (CICS/DOS/VS).

This manual includes a general description of the system and its various facilities and programs, listings of typical and minimum configurations, and sample applications.

Program Product Manual, 60 pages
 ////5746-XX1

GH20-1251

DISPLAY MANAGEMENT SYSTEM II (DMS II) GENERAL INFORMATION MANUAL - PROGRAM PRODUCTS 5734-XC4 AND 5736-XC4

The Display Management System II (DMS II) is a set of programs designed to simplify the implementation of online data processing operations using the 3270 Information Display System. The display management, file management, and message handling capabilities offered by DMS II make it possible to implement many new or existing applications in an online environment with little or no user programming. Preprogrammed facilities are provided to perform display operations such as paging and panel selection; file operations such as data entry, inquiry, record update, and file search; and message routing between display stations. Application specification is simplified through the use of DMS II forms on which the user describes data files, designs 3275/77 Display Station images (panels), and describes the utility operations required by the application.

The Display Management System II operates under control of the IBM Customer Information Control System (CICS).

This manual provides an overview of the Display Management System II functions. Statements of customer responsibilities, programming system requirements, and system configuration are included.

Manual, 60 pages
 ////5736-XC4,5734-XC4

GH20-1260

IMS/VS GENERAL INFORMATION MANUAL, PROG. PROD. 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, diagrams of typical and minimum configurations, summary of hardware and software products prerequisite to using IMS/VS, and sample applications.

Manual, 128 pages, 5/76
 ////5740-XX2

SH20-1262

BUSINESS ANALYSIS/BASIC FOR ITF AND VM/370-CMS OPERATIONS GUIDE, PROG. NO. 5734-XMB

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 ITF (OS, DOS, TSO) and VM/370-CMS. 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 information needed to generate, run, and maintain Business Analysis/BASIC.

It is assumed that the user has an installed ITF system.

Manual, 31 pages
 ////5734-XMB

SH20-1264

BUSINESS ANALYSIS/BASIC PROGRAM REFERENCE MANUAL, PROG. NOS. 5703-XM4 (S/3 MOD 5), 5734-XMB (ITF-OS/DOS/TSO & VM/370-CMS)

This marketing support manual describes the CALL-OS business Analysis/BASIC program.

Manual
 ////5703-XM3,5734-XMA,5734-XMB

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
 ////5796-PBB

GH20-1273

PROGRAMMING LANGUAGE FOR IMS-PLIMS GENERAL INFORMATION MANUAL - IUP NUMBER 5796-PBF

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
 ////5796-PBF

GH20-1289

ASYMMETRIC MULTIPROCESSING SYSTEM OPERATOR'S MANUAL, PROG. NO. 360A-CX-15X

This manual contains instructions that enable the computer operator to run the ASP system. ASP console operations are similar in most respects to those of the System/360 and System/370 Operating System (OS). Therefore, to avoid repetition of documentation, the material in this manual has been prepared with the assumption that the operator is familiar with the IBM Operating System. Details on OS operations are given in IBM System/360 Operating System: Operator's Reference (GC28-6691), IBM System/360 Operating System: Operator's Procedures (GC28-6692), Operator's Library OS/VS2 Reference (GC38-0210), and in their prerequisite and recommended publications.

Manual, 204 pages
 360,370//36/OASP//

GH20-1290

ASYMMETRIC MULTIPROCESSING SYSTEM: MESSAGES & CODES MANUAL, PROGRAM NUMBER 360A-CX-15X

This manual describes the messages and codes unique to the ASP system. It is designed to provide a reference for use by both the operator and the system programmer. Certain OS messages have been modified by ASP and those messages are contained in this manual.

Manual, 202 pages
 360,370//36/OASP//

GH20-1291

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

This manual contains information concerning system concepts programming considerations, control cards, deck setup, and output. OS 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 programming and has previously read the ASP Version 3 General Information Manual GH20-1173.

Manual, 75 pages
 360,370//36/OASP//

GH20-1292

IBM S/360 AND S/370 ASP VERSION 3 ASYMMETRIC MULTIPROCESSING SYSTEM - SYSTEM PROGRAMMER'S MANUAL - PROGRAM NUMBER 360A-CX-15X

The ASP system is a multiprocessor 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, 368 pages
 360,370//36/OASP//

SH20-1296

FASTER LANGUAGE FACILITY PROGRAM REFERENCE MANUAL AND OPERATIONS GUIDE PROG. NOS. 5740-XX1 (CICS/OS/VS), 5746-XX3 (CICS/DOS/VS)

The FASTER Language Facility is a feature of CICS/DOS/VS and CICS/OS/VS which makes possible the running of most FASTER Transaction Processing Descriptions (TPDs) under CICS/VS. The feature consists of a set of language macros and processing routines designed as a migration aid for users of the five FASTER systems. All language macros present in the FASTER programs are present in the FASTER Language Facility.

This manual provides a detailed description of the language facility's functions and capabilities. In addition it describes the coding of macro instructions and how to implement, test, and maintain the FASTER Language Facility.

Manual, 156 pages
 ////5740-XX1,5746-XX3

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
 ////5796-PBB

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 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
 ////5796-PBF

SH20-1305

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
 ////5796-PBC

SH20-1306

BTS (BATCH TERMINAL SIMULATOR) PROGRAM DESCRIPTION/OPERATIONS MANUAL - IUP NUMBER 5796-PBD
 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 S/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
 ////5796-PBD

SH20-1307

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 and use of the utilities and the generation, format, and use of the segment description module. In addition, installation guidelines are provided, including test cases for all the utilities. Manual, 120 pages
 ////5796-PBE

SH20-1358

S/370 CICS ON LINE TEST/DEBUG CON EDISON - IUP 5796-AEF DESCRIPTION/OPERATIONS
 CICS On-Line Test/Debug provides the programmer with the facilities to test and debug application programs or user files while CICS is operating by entering command statements via a 3270 Information Display System. The features include the ability to display any location in main memory of the machine, alter any location within the CICS job step boundaries, stop the execution of a specific CICS task at a specific address within an application program, display and alter storage records on any data set available to the CICS job step, immediately update changes made to storage records on file, and open or close files on-line. In effect, this program provides a programmer with access to a 3270 the ability to "console debug" programs without interrupting the normal operation of your installation. Manual, 72 pages
 ////5796-AEF

SH20-1359

S/370 CICS/COBOL CALL INTERFACE NATIONAL BANK OF DETROIT 5796-AEG DESCRIPTION/OPERATIONS
 Current users of the Customer Information Control System (CICS) who are writing application programs in ANS COBOL usually with Assembler Language macros in the middle of their application programs. This procedure requires the use of the CICS Preprocessor Program and two compilations of the program, one for the Assembler Language macros and one for the COBOL. This program provides a COBOL/CICS interface technique

which eliminates the use of the CICS Preprocessor Program and makes the writing and debugging of ANS COBOL/CICS application programs considerably easier. The system consists of 12 modules, one for each of the CICS management functions, and a Resident Interface Module. When the COBOL application programmer requires a CICS service, rather than write an Assembler Language macro, he simply codes a predefined COBOL CALL statement passing a list of parameters depending upon the service requested. The test CICS macro is then issued in the subsequently called CICS Service Handler and control is returned to the requesting COBOL program upon completion of the CICS service. Manual, 178 pages
 ////5796-AEG

SH20-1360

3270 FORMATTING FEATURE FOR BATCH TERMINAL SIMULATOR (BTS) IUP 5796-PBD DESCRIPTION/OPERATIONS
 The 3270 Formatting Feature is an expansion of the Batch Terminal Simulator IUP (5796-PBD); which is described in Availability Notice G320-1523. BTS allows IMS batch, batch message and message processing programs to be tested without having teleprocessing hardware installed. The addition of the 3270 Formatting Feature provides the ability to test applications using the IMS Message Formatting Service (MFS) without the use of 3270 hardware. This means that development of new online applications, or conversion of batch programs for online use, can proceed while still in the batch only test/development mode. Manual, 55 pages
 ////5796-PBD

SH20-1361

TEST DATA GENERATOR: IUP 5796-PBP DESCRIPTION/OPERATIONS
 Test Data Generator constructs data used in testing an application program. The user describes the characteristics of the data and supplies the "seed" for a random number generator; the program constructs test files containing randomly generated data and optionally gives the user a listing of what was generated. The use of Test Data Generator to create data for testing the logic of application programs should provide savings by not having to prepare test data manually, thus reducing programming time and eliminating the heavy volume of keypunching normally required to establish test files. It should also provide less biased data for the actual test. Frequently, it can eliminate or postpone the writing and testing of data file load programs. This manual is intended for use by an application programmer who desires to use the Test Data Generator to construct test files for his program. A general knowledge of System/360 and System/370 concepts is assumed, as well as knowledge of the job control language. Manual, 180 pages
 ////5796-PBP

SH20-1368

DATA COMMUNICATION ANALYZER (DCANALYZER) IUP 5796-PCA DESCRIPTION/OPERATIONS
 The Data Communication Analyzer (DCANALYZER) program is designed to assist the user in evaluating design alternatives for IMS data base/data communications systems. It produces relative data on service times and throughput of transactions processed on iterative runs of DCANALYZER under varying design combinations. The user can analyze and compare this data to select the design best suited to his needs. This manual discusses the capabilities of DCANALYZER, defines the operating instructions, and lists error messages. In addition, it provides installation guidelines and sample problems. This manual is both a system description and operations reference document. Manual, 63 pages
 ////5796-PCA

SH20-1390

3270 SCREEN IMAGE PROCESSOR FOR IMS AND IMS/VVS - IUP 5796-AFC DESCRIPTION/OPERATIONS
 The Screen Image Preprocessor is a productivity aid which simplifies the design and implementation of IMS/3270 applications. Each 3270 screen format added to an IMS system necessitates the preparation of many detailed control statements as input to the Message Format Language Utility. Using a single control statement and only one card image for each line to be represented on the screen, the Preprocessor generates the required IMS input statements. Each line of the screen image is coded exactly as it is to appear on the 3270 screen. Field control information (attribute bytes), position at the beginning of each field, must also be coded to specify the desired field types. The Preprocessor output includes a printed representation of the screen layout in addition to generated control statements which may be printed or passed to the Utility. Manual
 ////5796-AFC

GH20-1403

IBM SYSTEM/360 AND SYSTEM/370 ASP VERSION 3 ASYMMETRIC MULTIPROCESSING SYSTEM LOGIC MANUAL - PROGRAM NUMBER 360A-CX-15X
 The ASP System is a multiprocessor 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 describes the logic of ASP. It is designed for those who maintain and modify the ASP system.
Manual
360,370//36/OASP//

SH20-1456

DISPLAY MANAGEMENT SYSTEM II (DMS II) OS/VS OPERATIONS GUIDE
PROGRAM NUMBER 5734-XC4

The Display Management System II is a set of programs designed to simplify the implementation of online data processing systems. This manual is intended for operations personnel concerned with the operation of the program product. It contains sufficient information to allow the user to generate and incorporate the Display Management System II into a system for subsequent execution under control of the IBM Customer Information Control System. Information is included for system maintenance and terminal operation. Error messages are included.

Manual, 64 pages
/////5734-XC4

SH20-1457

DISPLAY MANAGEMENT SYSTEM II (DMS II) OS/VS PROGRAM
REFERENCE MANUAL - PROGRAM NUMBER 5734-XC4

The Display Management System II is a set of programs designed to simplify the implementation of online data processing systems. The display management, file management, and message handling capabilities of DMS II make it possible to implement many new existing applications in an online environment with little or no user programming.

The manual is intended for system analysts and programmers responsible for installing and using the system. The purpose of the manual is to provide sufficient information to enable the user to understand the functions of the system, the programs constituting the system, and the effort required for successful installation.

Manual, 224 pages
/////5734-XC4

SH20-1460

APL SHARED VARIABLES (APLSV) USER'S GUIDE (PRPQ WE1191)
PROG. NO. 5799-AJF

This publication describes the APL Shared Variable system (APLSV), an interactive programming system that executes statements and commands written in the APL language. (APL Shared Variables is available as Programming RPQ WE1191). This publication also describes the TSIO auxiliary processor which allows an APL user to perform input and output operations to disks, magnetic tapes, line printers, and other devices. The information in this publication is intended to supplement APL Language (Programming RPQ's WE1191 and MF2608) GC26-3847, which is required for full understanding of the use and facilities of APLSV. This publication is intended for all APLSV users.

Manual, 60 pages
/////5799-AJF

SH20-1461

APL SHARED VARIABLES (APLSV) PROGRAMMING RPQ WE1191
OPERATIONS GUIDE - PROGRAM NUMBER 5799-AJF

This manual contains the information necessary to install, operate and maintain APLSV and TSIO. TSIO is an IBM supplied auxiliary processor which provides access to Operating System data sets from APLSV terminals. The use of TSIO is optional.

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, 198 pages
/////5799-AJF

GH20-1502

FASTER LANGUAGE FACILITY FOR THE CUSTOMER INFORMATION
CONTROL SYSTEM (CICS/VS) GENERAL INFORMATION MANUAL,
PROG. PROD. 5740-XX1 & 5746-XX3

The FASTER Language Facility is a feature of CICS/DOS/VS and CICS/OS/VS which makes it possible to run many FASTER Transaction Processing Descriptions (TPDs) under CICS/VS.

The feature consists of a set of language macros and processing routines designed as a conversion aid for users of the five FASTER systems. All language processing macros present in the FASTER programs are present in the FASTER Language Facility.

The FASTER Language Facility design utilizes CICS/VS facilities wherever possible (example: CICS/VS paging and terminal device independent routines), thus allowing the user to take advantage of CICS/VS functions.

This manual is intended for persons interest in a general description of the FASTER Language Facility and its capabilities.

Manual, 20 pages
/////5740-XX1,5746-XX3

GH20-1514

FASTER TO CICS/VS MIGRATION TECHNIQUES GUIDE

This publication is designed to assist current users of FASTER in converting to CICS/OS/VS or CICS/DOS/VS with or without use of the FASTER Language Facility feature of CICS/VS. It provides information for programmers, analysts, and others seeking conversion programming assistance.

Manual, 44 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SH20-1539

IMSMAP/VS - IUP 5796-PCY, DESCRIPTION/OPERATIONS

The Installed User Program IMSMAP/VS is a documentation aid which produces pictorial representations of data base structures. These maps, which are produced on a line printer graphically represent the many characteristics of an IMS/VS data base. In addition to producing maps, IMSMAP/VS can print a detailed report describing the characteristics of each data base description (DBD).

IMSMAP/VS is an extension of the currently available IUP, IMSMAP (5796-PBC). IMSMAP is a prerequisite for IMSMAP/VS. IMSMAP/VS provides both support for IMS/VS data bases and additional features not available in the original IMSMAP IUP.

Manual
/////5796-PCY

SH20-1540

BTS/VS - IUP 5796-PCZ, DESCRIPTION/OPERATIONS

BTS/VS is a terminal simulator which allows IMS/VS application programs to be tested without the use of teleprocessing hardware or the IMS DC feature. Extensive debugging facilities enable the BTS/VS user to test batch applications, as well as those intended to run in a teleprocessing environment. BTS/VS provides information about each transaction and message as it progresses through the IMS/VS system.

The BTS IUP (5796-PBD) is a prerequisite for the use of BTS/VS. The 3270 Formatting Feature, offered as a feature of BTS, extends 3270 simulation capability to both BTS and to BTS/VS.

Manual
/////5796-PCZ

SH20-1541

TEST IMS/VS UTILITIES - IUP 5796-PDA, DESCRIPTION/OPERATIONS

This publication describes the IMS/VS support product for the Test IMS Utilities. The prerequisite for the use of this product is the Test IMS Utilities (Program Number 5796-PBE) and the associated Program Description/Operations Manual (SH20-1307).

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, create an unloaded version of the data base, and create a restructures. 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 publication describes the operation and use of the utilities and generation, format, and use of the segment description module. In addition, installation guidelines are provided, including test cases for all the utilities. Appendices provide descriptions of the segment format facility, SDM block format, contents of TMS.SAMPLE, unloaded data base record formats, control card formats and system flow, and instructions for the installation and use of the IMS/VS support product.

Manual, 26 pages
/////5796-PDA

SH20-1550

VM/SGP - STATISTICS GENERATING PACKAGE - IUP 5796-PDD,
DESCRIPTION/OPERATIONS

VM/SGP, an Installed User Program is a Statistics Generating Package for VM/370. It is designed to further reduce the data collected by the VM/370 Measurement Facility and is intended to provide information for installation management, system programmers, and users. VM/SGP provides a variety of summarization techniques useful for reporting on many aspects of system load and utilization. It may also simply be used to format and print trace data and thereby facilitate the inspection and analysis of system bottlenecks and overloads.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

Manual
/////5796-PDD

SH20-1552

JOB CONTROL LANGUAGE EDITOR - IUP 5796-PDC,
DESCRIPTION/OPERATIONS

The Job Control Language Editor IUP brings to the user of OS/MFT/MVT/VS1/VS2 an easily used batch text editing capability for Job Control Language changes.

This manual describes the programs involved with instruction for their installation and use.

Manual, 24 pages
/////5796-PDC

SH20-1558

DOS DBDUMP UTILITY PROGRAM FOR VANDL/I AND DL/I - PROG. NO. 5796-AFY DESCRIPTION/OPERATIONS

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program. Reductions in the amount of personnel time required to test applications can provide significant benefits to data processing installations.

The DBDUMP utility reduces test time requirements by providing the facility to examine, alter, and modify data base records and segments used in both testing and production.

Manual, 18 pages
 ////5796-AFY

SH20-1561

INTERACTIVE QUERY AND REPORT PROCESSOR (IQRP) - IUP 5796-PDG, TERMINAL USER GUIDE

Interactive Query and Report Processor (IQRP) is a terminal oriented inquiry system which allows the terminal user to extract meaningful information and reports from stored data sets.

The purpose of this manual is to assist the IQRP terminal user in using the system. Terminal operation procedures and the IQRP language are explained. A pocket reference card (GB21-9902) summarizes the IQRP user language.

Manual, 60 pages
 ////5796-PDG

SH20-1562

INTERACTIVE QUERY AND REPORT PROCESSOR (IQRP) BOOK I IUP 5796-PDG, DESCRIPTION/OPERATIONS AND SYSTEM ANALYST MANUAL

The purpose of this manual is to provide the systems analyst with a detailed guide, set of instructions and format for establishing an IQRP system within the installation, creating the necessary IQRP tables, adding a new data set and making changes to existing data sets. Prior to using this manual, the reader should be familiar with the General Information Manual (GB21-9903) and the Terminal Users Guide (SH20-1561).

Manual, 86 pages
 ////5796-PDG

SH20-1563

INTERACTIVE QUERY AND REPORT PROCESSOR (IQRP) BOOK II IUP 5796-PDG, OPERATIONS/INSTALLATION GUIDE

The purpose of this manual is to provide those responsible for the installation and operation of IQRP with the required information. This manual contains an IQRP overview, a description of all offline and online modules, sample JCL, and a complete list of error messages.

Manual, 166 pages
 ////5796-PDG

SH20-1564

3525 GENERAL PURPOSE UTILITIES - IUP 5796-AGE, DESCRIPTION/OPERATIONS

The 3525 General Purpose Utilities IUP takes advantage of the capabilities of the IBM 3525 card punch, which when equipped with special features, can read and/or print as well as punch 80-column cards in a single pass. The major functions include interpret, print any data on any card, ledger update, reproduce, gangpunch and resequence. Most industries may have applications which can utilize this IUP.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

Manual
 ////5796-AGE

SH20-1567

AUDIT SOURCE CODE COMPARE - DOS - IUP 5796-PDF DESCRIPTION/OPERATIONS

Audit - Source Code Compare for S/370 DOS/VS is an IUP which analyzes the differences between two versions of a program's source code. The variations detected by this audit/control tool are highlighted on a message listing which, in turn, becomes a vehicle the user can use to verify that only authorized changes are made to an installation's sensitive programs. The Audit-Source Code Compare program has been used by the IBM Corporate Information Systems Department audit-control groups as a tool to assure that only authorized changes are made to the installation's programs. This program may be executed under any S/370 VS1 or VS2 system. Minimum system configuration S/370 M135, 64K partition, card reader, printer and 3330.

This Availability Notice contains complete ordering information for the 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
 ////5796-PDF

SH20-1568

AUDIT SOURCE CODE COMPARE OS/VS - IUP 5796-PDH, DESCRIPTION/OPERATIONS

Audit - Source Code Compare for S/370 OS/VS is an IUP which

analyzes the differences between two versions of a program's source code. The variations detected by this audit/control tool are highlighted on a message listing which, in turn, becomes a vehicle the user can use to verify that only authorized changes are made to an installation's sensitive programs. The Audit-Source Code Compare program has been used by the IBM Corporation Information Systems Department audit-control groups as a tool to assure that only authorized changes are made to the installation's programs. This program may be executed under any S/370 VS1 or VS2 system. Minimum system configuration is a S/370 M135, 64K partition, card reader, printer and 3330.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

Manual
 ////5796-PDH

SH20-1569

FULL SCREEN 3270 SUPPORT FOR PL/I AND ASSEMBLER APPLICATION UNDER TSO, IUP 5796-AGH

No abstract available.

Manual
 ////5796-AGH

SH20-1572

DISPLAY MANAGEMENT SYSTEM II DOS/VS (DMS II) OPERATIONS GUIDE, PROG. NO. 5736-XC4

This manual contains information to enable the user to generate and incorporate into his system the IBM Display Management System II for execution under control of IBM's Customer Information Control System (CICS) DOS/VS. Information is included for system maintenance and terminal operation. All offline and online messages are described. The intended audience is the programming and operations staff.

Manual, 103 pages
 ////5736-XC4

SH20-1573

DISPLAY MANAGEMENT SYSTEM II -- DOS/VS (DMS II) PROGRAM REFERENCE MANUAL, PROG. PROD. 5736-XC4

DMS II DOS/VS is a set of programs to simplify the implementation of online operations using the 3270 information Display System. Application specification is simplified by means of DMS II forms. Preprogrammed facilities are provided to perform paging and panel selection, file operations and message routing. This manual is intended primarily for panel designers and programmers setting up applications under DMS II. It contains a general description of DMS II functions and features, followed by reference material describing system use.

Manual, 258 pages
 ////5736-XC4

GH20-1574

DOS/VS REMOTE JOB ENTRY WORKSTATION PROGRAM (PROGRAMMING RPO WF0358) GENERAL INFORMATION MANUAL, PROG. NO. 5799-WHX
 This publication, a general description of the DOS/VS Remote Job Entry Workstation Program, is intended primarily as an aid in evaluating the program and may also serve as a guide in planning the implementation of a DOS/VS workstation.

After listing the program's advantages, the manual presents an overview of the program, then discusses its structure and functions, the operation of the workstation, and finally the generation and installation of the program.

Manual, 26 pages
 ////5799-WHX

SH20-1589

DOS/VS REMOTE JOB ENTRY WORKSTATION PROGRAM - PROGRAMMING RPO WF0358 OPERATION & INSTALLATION GUIDE, PROG. NO. 5799-WHX

This publication describes the operation and installation of the DOS/VS Remote Job Entry Workstation Program. It is intended for use by the system programmer responsible for installing and maintaining the system and by the operator at the workstation computer.

The manual explains the use of commands to control processing and lists the messages produced by the program. It also defines the generation parameters and describes how to install and generate the program.

Manual, 96 pages
 ////5799-WHX

SH20-1590

DOS/VS REMOTE JOB ENTRY WORKSTATION PROGRAM (PROGRAMMING RPOWF0358) REFERENCE - PROG. NO. 5799-WHX

This publication defines and describes the facilities provided by the DOS/VS Remote Job Entry Workstation Program and contains the information necessary to plan for utilization and installation. It is intended for use by the system programmer responsible for installing and maintaining the system. Additional information on the operation and use of the DOS/VS Remote Job Entry Workstation Program is directed to computer data center personnel responsible for operation planning.

The manual describes the program, explains the internal structure in terms of functions provided, and discusses the operating procedures. It also describes the device support, storage and programming system requirements, and performance

considerations.
Manual, 76 pages
/////5799-WHX

SH20-1592

DOS/VS REMOTE JOB ENTRY WORKSTATION PROGRAM, LOGIC, PROGRAMMING RPO WF0358, PROG. NO. 5799-WHX
This publication describes the functions of the DOS/VS Remote Job Entry Workstation Program and its relationship to DOS/VS and to the operating system used at the central computer. It is intended primarily for use in maintaining the program.
The manual contains diagrams and supplementary text describing the functional organization of the program, and outlines the key functions of each program module. It also provides a directory to the program code, defines the format of control bytes, and contains information for diagnostic purposes.
Manual, 244 pages
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

SH20-1606

VM/370 SYSTEM FOR ONLINE TAPE AND DISK LIBRARIES - IUP 5796-AGN, DESCRIPTION/OPERATIONS
The VM/370 System for Tape and Disk Libraries is an IUP for the control of user tape and disk libraries. It works online under CMS with commands to control the assignment and accounting for user volumes. The system operator can add, delete, and modify a record associated with a particular mountable volume. It can make a large pool of tapes and disks accessible to a large number of time sharing users by providing the storage location and accounting information available online. The benefits are improved data security, quicker location of volumes, quicker response to mount commands, automatic bookkeeping and improved system control.
This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual
/////5796-AGN

SH20-1610

DOS TO OS CONVERSION SYSTEM - IUP 5796-AFZ DESCRIPTION/OPERATIONS
The DOS to OS Conversion System IUP automates the conversion process for JCL, COBOL, RPG, SORT and some utility programs. DOS JCL and DOS programs are displayed side by side with their OS equivalents. The OS equivalents are punched with JCL ready for compilation and cataloging for testing. COBOL D programs are processed by the Language Conversion Program to bring them to the ANS COBOL Level before conversion. COBOL programs with End of Page indicators are modified for handling of the carriage control tape. All CALL subroutines are identified for further resolution. DOS RPG FILENAMES are converted to OS RPG DDNAMES through the use of cards provided during the conversion process. All SORT Control Cards are handled automatically. A management report is provided as part of the process which shows the status of the conversion on a dynamic basis.
The Envirotech Corporation converted 1,200 routines to OS/VS from four geographically separated divisions while consolidating their operations at Salt Lake City, Utah. They did this with one system programmer and three part-time clerical personnel in six months through the use of the Conversion System. They estimate that two-thirds of all time and effort were saved over manual alternatives.
This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.
Manual
/////5796-AFZ

SH20-1618

PEOPLES GAS LIGHT AND COKE COMPANY SMF GRAPHICAL ANALYSIS IUP 5796-AFP, DESCRIPTION/OPERATIONS
This manual describes the function, capabilities and system requirements of the SMF Graphical Analysis Program. Its purpose is to provide sufficient information to enable the reader to determine the applicability and value of the program for his use.
Manual, 28 pages
/////5796-AFP

SH20-1619

VM/370 GRAPHIC MONITOR, IUP 5796-PDT, DESCRIPTION/OPERATION
The purpose of this manual is to provide the user with sufficient information to understand, install and successfully use the VM/370 Graphic Monitor program.
The VM/370 Graphic Monitor Installed User Program enables the privileged user of the VM/370 system to observe the operation of the VM/370 system and users logged into the system. It allows the user to observe the utilization of the CPU resource as it is being distributed, the rate each user connected to the VM/370 system is utilizing the system and rate of utilization of DASD and tape devices. This is accomplished via individual screen displays for system, user and device utilization, which are then written to each support graphic device available.
Manual, 42 pages, 11/75
/////5796-PDT

SH20-1623

DOS/VS 2560 SORT, IUP 5796-AGX DESCRIPTION/OPERATIONS
This manual describes the DOS/VS Card Merge-Sort-Program for the 2560. It includes the information required for installation and operation of the program. A sample is provided to demonstrate the use of the program.
Manual, 10 pages, 4/75
/////5796-AGX

SH20-1624

EXTENDED COBOL SORT - IUP 5796-AGZ, DESCRIPTION/OPERATIONS
Extended COBOL SORT is a routine which will provide the COBOL installation with increased work area sort capacity up to 16 times the normal capacity. It also provides automatic recovery when sort work spaces are exceeded; tape drives are allocated as needed. This operates with IBM ANS COBOL Version 4 (5734-CB2), COBOL/VS (5740-CB1), OS SORT/MERGE (5734-SM1) and SORT/MERGE/VS (5740-SM1)
Manual
/////5796-AGZ

SH20-1625

GENERAL PURPOSE TAPE AND DISK SCANS PHILLIPS VAN HANSEN DESCRIPTION/OPERATIONS, IUP 5796-AGY
This manual describes the function, implementation and operation of the two programs, General Purpose Tape and Disk Scans.
Manual, 30 pages, 3/75
/////5796-AGY

GH20-1626

DATA BASE DESIGN AID GENERAL INFORMATION MANUAL PROG PROD 5748-XX4
This book, a general description of the Data Base Design Aid, is intended primarily to help evaluate the product and may also serve as a guide in planning the implementation of DBDA.
The benefits and features of the product are presented, followed by highlights of the data base design process, some problems and how DBDA can solve them, a description of the product, its environment, and related IBM productivity aids.
Manual
/////5748-XX4

GH20-1627

DATA BASE DESIGN AID DESIGNER'S GUIDE - PROG. NO. 5748-XX4
This book, which contains a description of the functions and concepts of the Data Base Design Aid (DBDA), is intended primarily to give the data base designer guidelines for gathering and recording data requirements, and for using the features of DBDA in his design study.
The program is introduced, then the process of data base design is presented, followed by a definition of the concepts and terms of DBDA. Next, an analysis of DBDA phases is discussed, the use of DBDA results in constructing a physical model of the data base is presented, a description of the input and output is shown, the use of DBDA features is discussed, and finally a case study is included that illustrates many of the concepts and features previously discussed.
Manual
/////5748-XX4

GH20-1628

A GUIDE TO TESTING IN A COMPLEX SYSTEM ENVIRONMENT
This document describes the methods, techniques and programs necessary to test in a complex environment. It also gives a description of the various testing environments and of the testing methods to be used in each environment.
It is intended both as an introduction to testing for executives and managers, and as an in-depth treatise for those responsible for setting up and executing the tests.
Manual, 90 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SH20-1637

3330, 3333-M11 SUPPORT FOR DOS/VS, PRPO EF4346 - PROG NO 5799-WHZ, SYSTEMS GUIDE
This manual describes how 3330 Model 1 support has been extended to support Model 11. System and operational considerations as well as installation and support procedures are discussed. This manual and the program directly constitute all the documentation for this support.
Manual, 50 pages, 11/74
/////5799-WHZ

GH20-1638

TSO - 3270 STRUCTURED PROGRAMMING FACILITY (SPF), GENERAL INFORMATION - PROGRAM NO. 5740-XT2
The Structured Programming Facility (SPF) is a programming development tool designed to increase productivity in the TSO environment. It supports any VS2-TSO user who has a 24-line IBM 3270 display terminal equipped with a full EBCDIC keyboard, including 1.2 program function keys. It increases programmer productivity through:
o display presentations which prompt the user and simplify command/data entry
o time-saving use of program function keys for commonly performed operations
o features that facilitate structured programming in

a TSO environment
This manual provides an overview and functional description of SPF.
Manual, 24 pages
/////5740-XT2

GH20-1639

DB/DC DRIVER SYSTEM: GENERAL INFORMATION MANUAL, PROG. PROD. 5740-XXA
This manual is intended primarily to define the scope of applicability of the DB/DC Driver System for customer executives, system analysts, and programmers. It describes the facilities of the DB/DC Driver System and includes a general discussion of the DB/DC Driver System system configuration, terminal processing, system structure and control, and system support and maintenance facilities, as provided within the DB/DC Driver System Program Product.
The DB/DC Driver System provides tools for testing and driving data base/data communications application programs. It is terminal oriented, thereby permitting the online development of test cases. A special language is provided to aid in the creation of test cases; a terminal command language is provided to permit modification of test cases as well as library management operations. In addition, offline utilities can be used to build the DB/DC Driver System, initialize it, and manipulate the driver system data base.
Manual, 30 pages
/////5740-XXT

SH20-1649

TELECOMMUNICATIONS CONTROL SYSTEM (TCS) PROGRAMMING RPQ EF0378 OPERATIONS GUIDE - PROG 5799-ARL
This manual provides the user of TCS PRPQ EF0378 with information necessary for the operation of the TCS PRPQ product. This programming RPQ is available on special quotation only (see inside front cover). Among the subjects covered in the discussion of day-to-day operations are the execution of the TCS message control program, restart capabilities, and operator control commands and commands responses. In addition, there is a section describing main storage requirements.
The level of TCS described in this manual functions with TCAM Level 5.
Manual
/////5799-ARL

SH20-1651

DATA BASE DESIGN AID REFERENCE/OPERATIONS GUIDE PROG. NO. 5748-XX4
This book, which describes the programs and operations of the Data Base Design Aid (DBDA), is intended primarily for the data base designer who will use it and for the system programmer who will install it.
An overview of the system is presented followed by a description of the programs in DBDA. Next, the installation procedures and alternatives are discussed, and finally the use of DBDA is described.
Manual
/////5748-XX4

SH20-1658

S/370 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE COMPUTING IUP 5796-AAT, 5796-AHQ, 5796-AJC
No abstract available.
Manual, 100 pages
/////5796-AAT,5796-AHQ,5796-AJC

SH20-1662

AUTOMATED UNIT TEST, IUP 5796-PEC, DESCRIPTION/OPERATION
The purpose of this manual is to provide the user with sufficient information to understand, install and successfully use the Automated Unit Test (AUT) productivity aid.
AUT is a productivity aid which can be used to drive test cases through a unit of code for internal interface testing, monitor execution of the test cases, verify whether the test cases were successful, and provide diagnostic information about discrepancies. It also provides capability to simulate uncoded or uncompleted units of code or entire modules while driving the test cases, thus promoting top down design or development.
Manual, 94 pages, 8/75
/////5796-PEB

SH20-1669

VS/REPACK, IUP 5796-PDZ, DESCRIPTION/OPERATION
VS/REPACK is a set of tools enabling the programmer to collect and display program storage activity data at varying levels of detail and to analyze this data in order to predict and improve program performance or to verify that a program is operating correctly. This manual presents detail regarding the installation and operation of the system and guidelines for interpreting the results.
Manual, 160 pages, 3/76
/////5796-PDZ

SH20-1670

WIDEBAND COMMUNICATION PROGRAM, IUP 5796-PDJ, DESCRIPTION/OPERATIONS
The Wideband Communications Program is a complete system for the transmission of tapes or sequential data sets between any locations on a communications network under control of OS/VS and BTAM. The system provides facilities for spooling/despooling, data compaction and security, transmission, reception, checkpoint/restart and utilization statistics.
This manual describes the functions of the Wideband programs. In addition, it describes the operating instructions, lists error messages, and provides installation guidelines and sample problems. This manual is both a system description and an installation and operations reference document.
Manual, 102 pages, 7/75
/////5796-PDJ

SH20-1671

ASSEMBLER H/CMS INTERFACE, IUP 5796-PEJ DESCRIPTION/OPERATIONS
This manual is designed to be used by Assembler-H/CMS Interface users in conjunction with existing Assembler H documentation. It describes the HASM command, and contains information on the features unique to Assembler-H/CMS Interface. The HASM command as described herein is used to invoke Assembler H under control of the conversational Monitor System (CMS), a component of IBM Virtual Machine Facility/370 (VM/370). The HASM command thus makes available, to the CMS user, the extensions to assembler language and improved assembly performance provided by assembler H relative to preceding CMS assemblers.
This manual also contains the information needed by system support personnel to install and maintain the Assembler-H/CMS Interface program.
Manual, 28 pages, 9/75
/////5796-PEJ

SH20-1674

IBM CONVERSION AID FOR RCA/TDOS ASSEMBLER TO OS/VS ASSEMBLER DESCRIPTION/OPERATIONS, IUP 5796-PEX
This manual is both a systems description and an installation and operations reference document. In addition to a systems overview, it provides detailed installations and operation instructions. Both the systems programmer and the application programmer will find it contains the information necessary to use the aid.
Manual, 20 pages, 9/75
/////5796-PEX

GH20-1685

TELECOMMUNICATIONS ACCESS METHOD IMS/VS INTERFACE GENERAL INFORMATION MANUAL, PROG PROD 5740-XXC
The TCAM-IMS/VS Interface is provided as a bridge between TCAM and IMS/VS.
This manual includes a general description of the program and discusses its facilities and supported machine configurations.
Manual
/////5740-XXC

SH20-1686

TELECOMMUNICATIONS ACCESS METHOD IMS/VS INTERFACE PROGRAM REFERENCE MANUAL, PROG PROD 5740-XXC
This publication contains detailed information necessary to install and use the TCAM-IMS/VS Interface. Before using this manual, the reader should be familiar with telecommunications, IMS/VS, and TCAM.
Manual
/////5740-XXC

SH20-1696

DB/DC DRIVER SYSTEM REFERENCE MANUAL PROG PROD 5740-XXA
This manual describes the facilities provided by the DB/DC Driver System to installation personnel who are responsible for the selection, evaluation, and implementation of the system. The intended audience includes system engineers, installation programmers, marketing representatives, and customer system personnel.
The DB/DC Driver System simulates the activity of many terminals which process transactions to and from a DB/DC application program. These transactions appear to the system as real terminal transactions would appear.
Manual, 236 pages plus 104 pages TNL, 7/76
/////5740-XXT

SH20-1697

DB/DC DRIVER SYSTEM OPERATIONS GUIDE, PROG PROD 5740-XXT
This manual is intended for computer center personnel responsible for the day-to-day operation of the DB/DC Driver System. The procedures for starting the driver system, techniques required during system operation, and the procedures for shutting the system down are described. The operator command language used by the system operator is also included along with the messages and codes issued by the system on the system console.
Manual, 144 pages plus 46 page TNL, 7/76
/////5740-XXT

SH20-1698

DB/DC DRIVER SYSTEMTERMINAL USER'S MANUAL, PROG PROD 5740-XXA

This manual is intended primarily for the test supervisor and the driver terminal user. A functional overview of the terminal and logical driver command languages is followed by a detailed presentation of all the commands. Logical driver command console and terminal command messages are also included.

Manual

/////5740-XXT

/////5796-AHY,5796-AHZ

SH20-1720

SVS/MVS SYSTEM AND JOB IMPACT ANALYSIS, IUP 5798-AJF, DESCRIPTION/OPERATION

This describes the SVS/MVS System Impact Analysis programs. Installation and operation instruction and sample reports are included.

Manual, 36 pages, 6/76

/////5796-AJF

SH20-1699

DB/DC DRIVER SYSTEM SCRIPT WRITER'S GUIDE, PROG 5740-XXT

This manual is intended primarily for personnel responsible for writing the scripts to be used to test DB/DC application programs. The types of scripts are defined and the statements used in them are described in detail. Also included are script development aids and examples. This manual also describes the Script Generation Utility. This utility operates scripts from telecommunication systems logs.

Manual, 108 pages plus 40 pages TNL, 7/76

/////5740-XXT

SH20-1721

IMS 3270 LOCAL COPY IUP 5796-AHL, DESCRIPTION/OPERATIONS

The IMS 3270 Local Copy program provides a hard-copy facility for printing 3270 displays on locally attached components of the IBM 3270 Information Display System. It provides a function similar to that currently available for remote IBM 3270 terminals.

This manual supplies an overview of the programming and system considerations. No separate Systems Guide is provided. Installation instructions, error conditions, and optional keyboard information are included.

Manual, 8 pages, 11/75

/////5796-AHL

GH20-1702

EXTENDED TELECOMMUNICATIONS MODULES (EXTM) VERSION 2 FEATURE OF CICS/DOS/VS PROG. PROD. 5746-XXB, GENERAL INFORMATION MANUAL

The Extended Telecommunications Modules (EXTM) Feature of CICS/DOS/VS provides linkage between CICS/DOS/VS 1.1.1 and a telecommunication network. It provides access to the IBM 3600 Finance Communication System and functions within the framework of Systems Network Architecture (SNA). Data flow for certain pre-SNA terminals is also provided.

The basic function of this program is to establish and support a data flow between a CICS/DOS/VS application and a corresponding user application in the IBM 3601 Finance Communication Controller.

This manual includes a general description of the facilities provided by the Extended Telecommunications Modules Feature of CICS/DOS/VS.

Manual

/////5746-XXB

SH20-1726

DOS/VS GENERALIZED FILE MAINTENANCE SYSTEM, IUP 5796-AJJ, DESCRIPTION/OPERATIONS

No abstract available.

Manual, 84 pages

/////5796-AJJ

SH20-1727

FORTRAN CONVERSION AID, IUP 5796-PFG, DESCRIPTION/OPERATION

The FORTRAN Conversion Aid IUP assists in converting programs written in certain non-System/370 FORTRAN dialects to System/370 executable code. Conversion is accomplished through translation, hand modification, compilation, and object-time library simulation.

This manual gives a general overview of the FORTRAN Conversion Aid and its capabilities, with a detailed semantic and syntactical translation description. It describes the components of the IUP and contains instructions for using it. This manual is also an installation and operations reference document.

Manual, 178 pages, 6/76

/////5796-PFG

SH20-1704

EXTENDED TELECOMMUNICATIONS MODULES (EXTM)FEATURE OF CICS/DOS/VS VERSION 2PROGRAM REFERENCE MANUAL - PROG PROD 5746-XXB

The Extended Telecommunications Modules (EXTM) Feature of CICS/VS provides linkage between CICS/DOS/VS 1.1.1 and a telecommunication network. It allows access to the IBM 3600 Finance Communication System and the IBM 3790 Communication System and functions within the framework of System Network Architecture (SNA). Data flow for certain pre-SNA terminals is also provided.

The basic function of this feature is to establish and maintain data flow between a CICS/VS application and a corresponding user application for the IBM Advanced Communication Subsystems.

This manual contains reference information necessary to install, maintain and operate the Extended Telecommunications Modules Feature.

Manual

/////5746-XXB

SH20-1730

TSO-3270 STRUCTURED PROGRAMMING FACILITY (SPF) PROGRAM REFERENCE MANUAL - PROG PROD 5740-XT2

The Structured Programming Facility (SPF) is a programming aid that operates in the Time Sharing Option (TSO) environment and is designed to increase productivity in developing and modifying programs. SPF supports any VS2-TSO user who has a 24-line IBM 3270 display terminal equipped with a full keyboard, including 12 program function keys. SPF increases programmer productivity through:

- o display presentations which prompt the user and simplify command/data entry.
- o time-saving use of program function keys for commonly performed operations.
- o features which facilitate structured programming in a TSO environment

This manual provides detailed information on how to use and install SPF.

Manual

/////5740-XT2

SH20-1707

IMS/VS LOGTAPE MANAGEMENT SYSTEM, IUP 5796-AHT, DESCRIPTION/OPERATION

This manual describes the IMS/VS Log Tape Management System (LMS), including installation and testing procedures.

A system overview explains the concept of the LMS system and how the four programs which make up the system are related. System considerations such as minimum configuration, limitations, and requirements are outlined. Program descriptions explain in more detail the purpose and function of each program.

Input/Output, Control Card formats, and examples are given in each of the program descriptions.

Manual, 40 pages, 10/75

/////5796-AHT

SH20-1733

TELECOMMUNICATIONS CONTROL SYSTEM - ADVANCED FUNCTION (TCS-AF) OPERATIONS GUIDE - PROG PROD 5740-XXD

The manual provides the user of TCS-AF with information necessary for the operation of the TCS-AF product. Among the subjects covered in the discussion of day-to-day operations are the execution of the TCS-AF message control program, restart capabilities, and operator control commands and command responses. In addition, there is a section describing main storage requirements.

The level of TCS-AF described in this manual functions with TCAM level 5F.

Manual

/////5740-XXD

SH20-1708

TCAM/VIDEO 370 INTERFACE IUP 5796-AHR, DESCRIPTION/OPERATION

The TCAM/VIDEO-370 interface is a TCAM application program which enables the user to have VIDEO-370 execute as an application using TCAM as the TP access method instead of BTAM.

Manual, 10 pages, 10/75

/////5796-AHR

SH20-1734

TELECOMMUNICATIONS CONTROL SYSTEM-ADVANCED FUNCTION (TCS-AF) PROGRAMMER'S GUIDE AND REFERENCE MANUAL, PROG PROD 5740-XXD

This publication explains, in detail, the range of teleprocessing functions provided by TCS-AF, and how to invoke these functions. It tells the user how to write a TCS-AF/TCAM message control program in a single or a multiple computer network environment, and also how to write TCS-AF compatible application programs. It is imperative that the reader use this manual in conjunction with the appropriate edition of the TCAM Programmer's Guide.

This manual describes the level of TCS-AF code that functions with TCAM Level 5F.

Manual

/////5740-XXD

SH20-1716

COBOL MAINTENANCE AND DOCUMENTATION AID, IUP 5796-AHY, 5796-AHZ, DESCRIPTION/OPERATIONS

The COBOL Maintenance and Documentation Aid is an adjunct to structured programming in that it provides as a product of the programming process a detailed map of the architecture of a COBOL program. This publication describes the functions, inputs/outputs, and installation procedures for the COBOL Maintenance and Documentation Aid.

Manual, 22 pages, 10/75

GH20-1735

TELECOMMUNICATIONS CONTROL SYSTEM - ADVANCED FUNCTION (TCS-AF) CONCEPTS AND FACILITIES, PROG PROD 5740-XXD
The IBM Telecommunications Control System - Advanced Function (TCS-AF) program product provides control for network systems incorporating one or more CPU's, each with terminals and/or application programs. Based on and enhancing IBM's Telecommunications Access Method (TCAM), TCS-AF controls traffic between terminals and application programs, message switching between terminals, and message transfer between applications. Lines and terminals may be shared among applications on the same CPU, or different CPU's connected by communications lines. Both user application programs and complex subsystem environments such as IMS/VS and CICS/VS may be supported. Queuing and priority facilities for handling fixed message types may optimize line and speed delivery of inquiry/response messages.

A TCS-AF message control program (MCP), customized by the user with TCS-AF and TCAM macro instructions and assembler language, operates in each network computer, usually in a different storage-protected region or partition from application programs. Support facilities include:

- o operator control for complex networks
- o online statistics gathering and security/authorization capabilities.
- o load-balancing over multiple intercomputer links
- o alternate path and indirect routing capabilities message integrity safeguards
- o start/stop, binary synchronous communications, and (via VTAM) SNA synchronous data link control device support equivalent to TCAM's
- o aids for minimizing application program device-characteristic dependencies, including extended support for the IBM 3270 Information Display System
- o capabilities for interfacing to non TCS-AF systems in multicomputer networks

Manual
/////5740-XXD

SH20-1745

SYSTEM/370 DISPLAY MANAGEMENT SYSTEM PROGRAMMING RPQ Z06076 DESCRIPTION/OPERATIONS, PROG 5799-AFD

The Display Management System supervises display-oriented functions required to provide the OS/VS1 user a viable man/machine interface in a realtime environment. It is designed to meet the needs of electric utility energy management systems and oil refinery applications, but is not restricted to these applications. Display Management System provides support for the IBM 3270, and IBM 5985 Display products with their associated CRT displays, manual input capabilities, and output printers.

The Display Management System Programming RPQ requires the Special Real Time Operating System Programming RPQ (5799-AHE) to have been installed in an OS/VS1 system.

Manual
/////5799-AFD

SH20-1749

DOS/VS SYSTEM DIRECTORY LIST OPTIMIZER, IUP 5796-PFH DESCRIPTION/OPERATIONS

No abstract available.

Manual, 16 pages
/////5796-PFH

SH20-1754

DOS/VS DBDUMP UTILITY PROGRAM FOR VANDL/1-DL/I DL/I ENTRY IUP 5796-AJE DESCRIPTION/OPERATIONS

No abstract available.

Manual, 24 pages
/////5796-AJE

SH20-1756

IMS/VS HDAM ALGORITHM ANALYZER PROGRAMS, IUP 5796-AJL DESCRIPTION/OPERATIONS

No abstract available.

Manual, 24 pages
/////5796-AJL

SH20-1761

COBOL PROGRAM TRANSLATOR FOR DOS AND DOS/VS IUP 5796-PFB, DESCRIPTION/OPERATIONS

This manual describes the capabilities of the program, record and file layouts, and processing procedures. This manual is both a program description and an installation and operations reference document.

Manual, 136 pages, 1/76
/////5796-PFB

SH20-1769

DOS MAP DL/I, IUP 5796-PCW, DESCRIPTION/OPERATIONS

The DOSMAP-DL/I data base mapping programs are DEMAP and PSBMAP. DBDUMP builds and prints maps of DL/I data bases and descriptive reports of each data base. PSBMAP builds and prints maps of DL/I data bases associated with program specification blocks. This manual describes the programs, their installation into the user's system, required JCL, map formats, and includes examples of each program and the error messages.

Manual, 14 pages, 12/75
/////5796-PCW

SH20-1773

IBM SYSTEM/370 SPECIAL REAL TIME OPERATING SYSTEM PROGRAMMING RPQ Z06751 DESCRIPTION AND OPERATION MANUAL - PROG 5799-AHE

The Special Real Time Operating System Programming RPQ is a system which augments the services provided by OS/VS1 to support realtime computer operations. The Special Real Time Operating System is designed to meet the needs of Electric Utility Energy Management Systems and oil refinery applications, but is not restricted to these applications. The Special Real Time Operating System runs as an OS/VS1 job step and performs services which support independent task management, time management, and data base management. The installation of the Special Real Time Operating System on an OS/VS1 system requires no modifications to the OS/VS1 System.

This manual contains all the information necessary to understand, install, use, and operate the Special Real Time Operating System PRPQ.

This Programming RPQ is available on a special quotation only.

Manual
/////5799-AHE

SH20-1775

DISK VOLUME MAP, IUP 5796-PFL, DESCRIPTION/OPERATIONS

No abstract available.

Manual
/////5796-PFL

SH20-1780

VSAM ACCESS SUBROUTINES IUP 5796-AJW, DESCRIPTION/OPERATIONS

VSAM Access Subroutines provide a common interface to VSAM data sets for users of Assembler, COBOL, FORTRAN, and PL/I.

This manual describes the capabilities of the system, installation procedures and instructions for application and system programmers. It is both an installation and operations reference manual.

50 pages, 1/76
/////5796-AJW

SH20-1781

CENTRAL HUDSON GAS & ELECTRIC VSAM ACCESS SUBROUTINES DESCRIPTION/OPERATIONS, IUP 5796-AJX

VSAM Access Subroutines provide a common interface to enhanced VSAM data sets for users of Assembler, COBOL, and FORTRAN languages in the DOS/VS environment.

This manual describes the capabilities of the system, installation procedures and instructions for application and system programmers. It is both an installation and operations reference manual.

Manual, 50 pages, 4/76
/////5796-AJX

SH20-1782

DOS/VS PRE-SORT PROCESSOR, IUP 5796-AJT, DESCRIPTION/OPERATIONS

This manual describes the capabilities of the system and programs. Discussion of the design and potential modification areas are included. This manual is both a system description and an installation and operations reference document.

Manual, 18 pages, 12/75
/////5796-AJT

SH20-1787

OS/DOS CICS/VS COBOL CALL INTERFACE, IUP 5796-AHK, DESCRIPTION/OPERATIONS

CICS/VS COBOL CALL Interface was developed as an alternate linkage between the ANS COBOL program and the Customer Information Control System (CICS/VS). Use of this interface eliminates the use of the CICS/VS Preprocessor and assembly steps. It also provides the ANS COBOL programmer with a set of "easy-to-use" ANS COBOL CALL statements for communication with CICS/VS.

This manual describes the capabilities of the CICS/VS COBOL CALL Interface and the specifications of its program modules. Each ANS COBOL CALL format is fully described with examples of its use. Installation procedures for both the DOS/VS and OS/VS user are included.

IUP 5796-AEG CICS/COBOL Call Interface is a prerequisite. It must be installed first to obtain the source code which is updated by this IUP. The availability notice for IUP 5796-AEG is G320-8089. Its PDOM is SH20-1359. This PDOM addresses both IUPs and can be used solely once the IUPs are installed.

Manual, 216 pages, 11/75
/////5796-AHK

SH20-1800

VS BASIC INTERACTIVE SYSTEM IUP 5796-PFT, DESCRIPTION/OPERATIONS

The VS BASIC Interactive Data System provides facilities to permit an individual to create and maintain his own data files, through the use of the collection of programs that make up the system. Each of the several programs are described in detail, showing the function of the program and providing detail about the use of the program and its capabilities.

This manual describes the various programs which comprise the VS BASIC Interactive Data System, showing the

various functions which can be used and which individual programs provide each of the functions. It provides the user with the knowledge of what he can accomplish with each of the programs and with the total set of programs.

The manual is organized so that each of the programs is described in general terms, to provide the user with a knowledge of the functions provided. Following the general descriptive section is an operations section, where information is presented which describes how to use the programs in each of many environments.

Since the VS BASIC Interactive Data System operates in a wide variety of environments, each section of the manual is subsetting to show the functional and operational characteristics in the specific environments possible. For example, the operation of the system in a batch environment under DOS/VS is different from the operation of the system in an interactive environment under TSO.
Manual, 78 pages, 12/75
/////5796-PFT

SH20-1802

DL/I HDAM DATA BASE TRAINING AID, IUP 5796-AKF, DESCRIPTION/OPERATIONS

The HDAM Reorganization Utility is designed to provide more effective use of DL/I DOS/VS HDAM. Its purpose is to predict and tune HDAM data base performance during system design, and to maintain that performance with an optimum reorganization procedure after implementation.

This manual describes the capabilities of the system and the programs. It contains a discussion of design assumptions and system limitations. This manual is both a system description and an installation and operations reference document.
Manual, 30 pages, 1/76
/////5796-AKF

SH20-1803

3740 DATA ENTRY MANAGEMENT AND AUDIT SYSTEM FOR DOS POWER/VS FIRST GREATWEST CORPORATION, IUP 5796-AKC, DESCRIPTION/OPERATIONS

The Data Entry Management and Audit System facilitates transition to and operation of diskette data entry media. It provides an input control system for multiple remote input locations. It includes auditing and recovery facilities and can be used as an archival system for economical storage of historical data.

This manual contains all that is necessary to install and operate the system. It includes sample output which shows how the audit trail is maintained.
Manual, 42 pages, 3/76
/////5796-AKC

SH20-1804

IMS SPACE MANAGEMENT UTILITIES, IUP 5796-PFW, DESCRIPTION/OPERATIONS

The IMS Space Management Utilities can improve system performance and programmer productivity. They are designed to assist in managing OS, OS/VS, IMS/360 and IMS/VS data space, to detect and report IMS H.D. pointer discrepancies and to assist with segment restructuring during data base reorganization. This manual describes the function of the three IMS Space Management Utilities, how to specify input to them, and how to interpret the utility output. In addition, it describes the operating instructions, lists error messages, and provides installation guidelines. This manual is both a system description and an installation and operations reference document.
Manual, 56 pages, 1/76
/////5796-PFW

SH20-1805

TSO CODES UPDATE SYSTEM IUP 5796-PFR, DESCRIPTION/OPERATIONS
The purpose of this manual is to provide the user with sufficient information to successfully install and use the TSO/CODES UPDATE SYSTEM.

The TSO/CODES UPDATE SYSTEM is a fully-automated TSO password generator and auditing system. It can increase the level of security for a TSO system and at the same time reduce the costs of maintaining system security.
Manual, 34 pages, 1/76
/////5796-PFR

SH20-1809

PL/I F TO PL/I OPTIMIZER CONVERSION AID F CONVERT, IUP 5796-ARK, DESCRIPTION/OPERATIONS

No abstract available.
Manual, 16 pages
/////5796-ARK

SH20-1811

WASHINGTON MANUFACTURING VIDEO SUPPORT AIDS, IUP 5796-AKK, DESCRIPTION/OPERATIONS

This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modifications 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, 52 pages, 3/76
/////5796-AKK

SH20-1813

MVS SYSTEM INFORMATION ROUTINES, IUP 5796-PGB, DESCRIPTION/OPERATIONS

This manual describes the function, installation, procedures, operational procedures, and output report formats for the MVS System Information Routines (SIR). SIR consists of two programs which display information about internal MVS system operation. One of the programs displays the information on a TSO 3270 display terminal.

The other provides batch type output reports based on periodic sampling.
Manual, 44 pages, 3/76
/////5796-PGB

SH20-1814

MVS SEEK ANALYSIS PROGRAM, IUP 5796-PJC DESCRIPTION/OPERATIONS

The MVS SEEK Analysis Program processes MVS GTF trace data to produce seek histograms as well as four other reports. This manual will serve as a user's guide to the program. Topics covered will include the following: a general description of the program; program and GTF trace execution procedures; installation procedures; report descriptions; and program logic.
Manual, 34 pages, 3/76
/////5796-PJC

SH20-1815

GTF I/O CURRENCY REPORT, IUP 5796-PGD, DESCRIPTION/OPERATIONS

No abstract available.
Manual, 48 pages
/////5796-PGD

SH20-1816

GTF SUPERVISOR SERVICES ANALYZER, IUP 5796-PGE, DESCRIPTION/OPERATIONS

This manual contains sections describing the Hardware and programming system necessary to use the program. Installation and operating instructions are included along with output report descriptions.
Manual, 56 pages, 3/76
/////5796-PGE

SH20-1817

GTF VTAM BUFFER ANALYSIS PROGRAM, IUP 5796-PGF DESCRIPTION/OPERATIONS

The GTF VTAM Buffer Analysis program will aid the systems programmer in determining an optimum buffer pool specification for his VTAM installation. This manual describes the capabilities, installation and operational procedures for this program.
Manual, 50 pages, 2/76
/////5796-PGF

SH20-1818

CICS/VS MESSAGE SWITCHING SYSTEM: AMERICAN HOECHST, DESCRIPTION/OPERATIONS, IUPS 5796-AKP, -AKN

This manual describes the capabilities of the system and the programs. This manual is both a system description and an installation and operation reference document.
Manual, 56 pages, 6/76
/////5796-AKP, 5796-AKN

SH20-1836

DOS/VS PERFORMANCE TOOL, IUP 5796-PGK DESCRIPTION/OPERATIONS
DOS/VSPT is a software tool that monitors the performance of an existing IBM System/370 running DOS/VS. It uses both dynamic event tracing and periodic statistical sampling to record system status on an output tape or DASD data set. Subsequently, a series of reports can be produced to evaluate hardware performance during either the entire monitoring period or any portion thereof.

This manual describes the capabilities of DOS/VSPT and provides the information necessary to install and use the programs.
Manual, 140 pages, 9/76
/////5796-PGK

SH20-1842

DISKETTE SORT PROGRAM, IUP 5796-PGJ, DESCRIPTION/OPERATIONS

The diskette Sort Program enables users of the IBM DOS/VS Sort/Merge program, 5746-SM1, to sort diskette files, without first having to copy the file onto tape or disk. The program is distributed as source macros which assemble into a generalized E15 routine that has the capability of reading one diskette file and passing the records to the sort.

This manual describes the programming system and configuration requirements, the program, and the necessary procedures for installation and execution.
Manual, 12 pages, 5/76
/////5796-PGJ

SH20-1844

BATCH TERMINAL SIMULATOR II, IUP 5796-PGT, DESCRIPTION/OPERATIONS

The Batch Terminal Simulator II allows IMS/VS batch and online application programs to be tested in an IMS/VS batch

environment without the use of teleprocessing hardware. BTS II provides information about each transaction and message as it progresses through the IMS/VS system. The facilities inherent in the BTS II design philosophy provide the user with a comprehensive means of checking and debugging:

- o Application program logic
- o Interfaces between application programs and IMS/VS
- o Data base activities
- o Teleprocessing activity
- o 3270 format control blocks

In addition, BTS II provides a number of debugging aids and application program performance statistics.

This publication provides a general description of BTS II and describes in detail the programs's functional capabilities and how to use them. The publication also includes explanations of BTS II messages and codes.

Manual
 ////5796-PGT

SH20-1846

APL FUNCTION EDITOR FOR APLSV (IUP 5796-PGX), APL FUNCTION EDITOR FOR VSAPL (IUP 5796-PGY), DESCRIPTION/OPERATION
 The purpose of this manual is to provide the user with sufficient information to install and successfully use the APL Function Editor Installed User Programs.

The APL Editor Installed User Programs are comprehensive packages for the development and modification of APL functions. They bring to the APL user a powerful interactive tool which can be used to edit in context, search, copy or list any function in his workspace. The resulting ease of modification provides greater productivity through the automation of time-consuming activities like variable name changing and searching through functions for particular character strings.

The Editor has been patterned after the CMS Editor of VM/370. Those functions of the CMS Editor which appeared useful for the editing of APL functions were implemented. Several more, uniquely useful in an APL environment, were added to give the Editor more function.

The APL Function Editor for APLSV (5796-PGX) requires the installation of APL Shared Variables Release 2.1, Program Number 5799-AJF PRPQ WE1191, or APL Shared Variables Release 3, Program Number 5799-AQC PRPQ MG6282.
 PDOM, 8 1/2 x 11 inches, 64 pages, 3/77
 ////5796-PGX,5796-PGY

GH20-1863

DISPLAY MANAGEMENT SYSTEM/VS VERSION 1 (DMS/VS) GENERAL INFORMATION: LIC PROG 5740-XC2 (OS/VS), 5746-XC2 (DOS/VS)
 The Display Management System/VS Version 1 (DMS/VS) is a set of programs designed to simplify the implementation of online data processing operations using the 3270 Information Display System. The display management, file management, and message handling capabilities offered by DMS/VS make it possible to implement many new or existing applications in an online environment with little or no user programming. Preprogrammed facilities are provided to perform display operations such as paging and panel selection; data base and file operations such as data entry, inquiry, record update, and search; and message routing between display stations. Application specification is simplified through the use of DMS/VS forms on which the user describes data files, designs 3275 or 3277 Display Station images (panels), and describes the utility operations required by the application.

The DMS/VS operates under control of the IBM Customer Information and Control System/VS (CICS/VS).

This manual provides an overview of the DMS/VS functions. Statements of customer responsibilities, programming system requirements, and system configuration are included.

Manual, 76 pages, 11/76
 ////5740-XC2,5746-XC2

SH20-1864

DMS/VS VERSION 1, OPERATIONS GUIDE, LIC PROG 5740-XC2 (OS/VS), 5746-XC2 (DOS/VS)

This manual contains information to enable the user to generate and incorporate the Display Management System/Virtual Storage (DMS/VS) 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. The intended audience is the programming and operations staff.

Manual, 120 pgs, 11/76
 ////5740-XC2,5746-XC2

SH20-1865

DMS/VS VERSION 1 OPERATIONS GUIDE, LIC PROG 5740-XC2 (OS/VS), 5746-XC2 (DOS/VS)

Display Management System/Virtual Storage (DMS/VS) is an application management offering which simplifies implementing online information systems using the 3270 Information Display System. The DMS/VS DL/I data base and file management, display management, and message handling capabilities make it possible to implement many new or existing applications in the online environment with reduced programming. Preprogrammed facilities are provided to perform display operations such as paging and panel selection, data base and file operations (data entry, inquiry, record update, and search), and message routing

between display stations. Application specification is simplified through the use of DMS/VS forms on which the user describes data files, 3275 or 3277 Display Station images (panels), and the batch utility operations required by the application. The Customer Information Control System Version 1.2 (CICS/VS) is a prerequisite to DMS/VS. Application security through use of CICS/VS and DMS/VS sign-on procedures can be used to control operator access to predetermined applications.

The purpose of this manual is to provide sufficient information to enable the user to understand the functions of the system, the programs constituting the system, and the effort required for successful installation. The manual contains a system-oriented description of DMS/VS, provides guidance in installing the system, and describes the input and results.

Statements of customer responsibilities, programming system requirements, and system configuration are included.
 Manual, 328 pgs, 11/76
 ////5740-XC2,5746-XC2

SH20-1872

VS APL FOR TSO, IUP 5796-ALB, TERMINAL USER'S GUIDE

This manual describes the use of VS APL when it is under control of TSO using Installed User Program 5796-ALB (VS APL for TSO). It contains detailed information on the terminals that can be used and the procedures that must be followed in using VS APL under TSO. This book also describes the commands presented by TSO and VS APL relevant to the needs of the VS APL user, and the auxiliary processors and workspaces distributed with the product. It is assumed that the user is familiar with the APL language, but has limited experience with TSO.

This manual is based upon the "VS APL for CMS: Terminal User's Guide" and has been modified to include instructions for executing VS APL in the TSO environment.

The information contained in this manual is essential to the proper execution of VS APL in the TSO environment.
 Manual, 168 pages, 8/76
 ////5796-ALB

SH20-1873

VS APL FOR TSO, IUP 5796-ALB, DESCRIPTION/OPERATIONS

This manual presents the installation instructions for this IUP. It is assumed that the installation has the VS APL Program Product and that TSO is installed.

Manual, 8 1/2 x 11 inches, 28 pages, 9/76
 ////5796-ALB

SH20-1882

SMF JOB DATA COMPRESSION AID (JDCA) - IUP 5796-PHN, DESCRIPTION/OPERATION

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

The Job Data Compression Aid (JDCA) is an IBM program that analyzes data recorded by OS/VS system management facilities (SMF). It is designed to edit and arrange SMF data for the convenient production of application programs and reports which deal with SMF-based data set and job information. SMF records relevant to this information area are aggregated at the job level; data fields are checked for validity and edited; values for data not directly provided by SMF are calculated; and a Base File is generated in time sequence.

To assist detailed report analysis, an interpreter is provided at the lowest level available in the data: the Base File record. Each release or update of the programs in JDCA has a unique version description. For example, a program such as JDCA10 will be released as JDCA10A and subsequent versions as JDCA10B, JDCA10C, and so on.

The program is a prerequisite for using IBM's Installed User Program 5796-PHP, the Storage Device Migration Aid (SDMA), to which the Base file generated by JDCA serves as input. SDMA produces a variety of detail and summary reports at the data set and job levels which are designed to assist the personnel of a data-processing installation operating under OS/VS in planning, implementing, and tracking the migration of data sets to new I/O devices.
 Manual, 8 1/2 x 11 inches, 116 pgs, 3/77
 ////5796-PHN

SH20-1883

STORAGE DEVICE MIGRATION AID (SDMA) - IUP 5796-PHP, DESCRIPTION/OPERATION

This publication is a guide for installing and using the Storage Device Migration Aid (SDMA) program. SDMA contains a set of procedures that process and analyze system management facilities (SMF) data collected during the operation of IBM OS or VS systems. SDMA is intended for the installation management and for those system programmers who plan, implement, and track a data migration to a new storage device or storage subsystem. The SMF Job Data Compression Aid (JDCA), IBM Installed user Program 5796-PHN, is a prerequisite to running SDMA; the Base file generated by JDCA serves as input to the SDMA procedures.

Manual, 8 1/2 x 11 inches, 240 pgs, 4/77
 ////5796-PHP

SH20-1906

VM/370 RESOURCE MANAGEMENT, PRPQ P09006, PROG 5799-ARQ, INSTALLATION GUIDE

This publication contains information about the scope and content of the Resource Management PRPQ for VM/370. It provides planning and implementation information for installation managers, system programmers, and IBM system hardware and software support personnel. This publication describes:

- o New and changed VM/370 features and components
- o Modules added, deleted, or modified for the PRPQ

Prerequisite publications:

IBM Virtual Machine Facility/370:
Release 3 Guide (GC20-1822)
Planning and System Generation, (GC20-1801)

Manual, 8 1/2 x 11 inches, 36 pgs, 7/76

/////5799-ARQ

SH20-1921

GIS LIBRARY MAINTENANCE, IUP 5796-ANG, DESCRIPTION/OPERATION

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

The GIS2 and GIS/VS Library Maintenance Program (Installed User Program 5796-ANG) aids an installation in the management of its GIS library data sets.

Many GIS users have found that maintenance of their GIS.LIB data set (i.e., GIS 2.LIB or GIS VS.LIB) presents certain difficulties. The directory of this partitioned data set often gets filled or an excessive number of members use the space allocated to the members thus causing system termination. Many of the members and directory entries are unnecessary. Some are on the data set because later GIS.LIB modules of multistep jobs remain on the library when an earlier step fails to complete. Others were once intentionally SAVExed but were not deleted when their counterpart GIS.ILS (i.e., GIS 2.ILS or GIS VS.ILS) members were deleted.

The job of cleaning up this PDS is further compounded by the problem of identifying for whom or for what reason the members have been kept. The purpose of this IUP is to automate the determination of GIS library and directory entries which are no longer valid.

Manual, 24 pages, 3/77

/////5796-ANG

SH20-1923

FORTRAN INTERACTIVE SUBROUTINE LIBRARY - IUP 5796-PHT, DESCRIPTION/OPERATIONS

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

The FORTRAN Interactive Subroutine Library (FISLIB) Installed User Program consists of a set of FORTRAN callable subroutines which can be used by a FORTRAN programmer to give more flexibility to interactive FORTRAN programs. FISLIB is used where the interaction of human decision making ability with the computer program is essential to permit users to choose between alternatives at key points during program execution. The interactive program produced can be run under: VM/CMS; any of the TSO options - OS/MVT, OS/SVS or OS/MVS; VSPC FORTRAN; or DOS FORTRAN F utilizing the operating console.

The subroutines written in FORTRAN are designed to be system independent. They provide a simplified method of allowing the terminal program user to: specify program functions to be executed; specify parameters to be varied, reset or incremented; use a comprehensive desk calculator mode for intermediate computations; create procedures, a series of commands, executable by procedure name.

Manual, 72 pgs, 2/77

/////5796-PHT

SH20-1927

DISK WORKFILE MANAGER FOR DOS/VS - IUP 5796-ANK, DESCRIPTION/OPERATIONS

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

The Disk Work File Manager helps provide partition independence to DOS/VS users by dynamically allocating disk work files from pools of disk space which are internally maintained for each partition. A user may specify one or more pools for each partition, a pool of space assigned to one partition cannot be shared by other partitions. Typically requiring 2K bytes in the shared virtual area, this IUP handles program requests for disk work files by intercepting and modifying incoming job control statements. In this manner, the same job (and same JCL) running in two different partitions will automatically be assigned different temporary disk space areas.

Manual, 44 pgs, 2/77

/////5796-ANK

SH20-1952

IMS SPACE MANAGEMENT UTILITIES II, LIC IUP 5796-PJJ, DESCRIPTION/OPERATION

The IMS Space Management Utilities II can improve system performance and programmer productivity. They are designed to assist in managing OS, OS/VS, IMS/360 and IMS/VS data space, to detect and report IMS H.D. pointer discrepancies, to provide statistics and information for H.D. tuning and to

assist with segment restructuring and reloading during data base reorganization.

This manual describes the function of the four IMS Space Management Utilities, how to specify input to them, and how to interpret the utility output. In addition, it describes the operating instructions, lists error messages, and provides installation guidelines. This manual is both a system description and an installation and operations reference document.

Manual, 8 1/2 x 11 inches, 220 pgs, 5/77

/////5796-PJJ

SH20-1953

DBPROTOTYPE II, IUP 5796-PJK, DESCRIPTION/OPERATIONS

The DBPROTOTYPE II Installed User Program consists of a set of programs that provide data base design evaluation support of Information Management System/Virtual Storage (IMS/VS). DBPROTOTYPE II enables the IMS/VS data base evaluator to obtain performance information about a data base and its application programs before they are implemented. DBPROTOTYPE II includes a program which estimates performance characteristics of the data base from its description. Other programs enable the evaluator to create model data bases and skeletal application programs to run against these data bases. By analyzing different design parameters, the user can select the system design best suited to the needs of the installation.

This manual describes the functions and use of the DBPROTOTYPE II programs; how to specify the characteristics of the system being modeled, and; how to interpret the resulting performance data. It includes sections on modeling methodology, usability, sample problems, installation and operating procedures, program descriptions, error messages, and an index.

Manual, 8 1/2 x 11 inches, 228 pgs, 5/77

/////5796-PJK

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

/////5734-XX6

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

/////5734-XX1

GH20-4131

CICS/DOS ENTRY, PROG. PROD. 5736-XX6 SPECIFICATIONS

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification sheets, 4 pages

/////5736-XX6

GH20-4134

CICS/DOS STANDARD, PROG. PROD. 5736-XX7 SPECIFICATIONS

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification Sheet, 4 pages

/////5736-XX7

GH20-4139

STAT/BASIC, PROG. PROD. 5734-XA3 SPECIFICATIONS

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification Sheet, 2 pages

/////5734-XA3

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

/////5734-XX7

GH20-4291

APL SHARED VARIABLES VERSION 3.0 - PROG 5799-AQC, DESIGN OBJECTIVES

This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product.

Design Objective Sheet, 8 pages

/////5799-AQC

GH20-4308

MATH/BASIC FOR SYSTEM/3 MODEL 6, IIF (OS, DOS, TSO), AND VM/370-CMS: SPECIFICATIONS, PROG. NOS. 5703-XM2 AND 5734-XM8

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification sheet, 2 pages

////5703-XM2,5734-XM8

- GH20-4316
INTERACTIVE QUERY FACILITY (IQF) FOR IMS (5734-XX6) AND IMS/V5 (5740-XX2): PROG. PROD. SPECIFICATIONS
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
 I6525
 Specification Sheet, 2 pages
 ////5734-XX6,5740-XX2
- GH20-4324
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
 ////5734-F31
- GH20-4326
BUSINESS ANALYSIS/BASIC FOR SYSTEM/3 MODEL 6, ITF (OS, DOS, TSO), AND VM/370-CMS: SPECIFICATIONS, PROG. NOS. 5703-XM3 AND 5734-XMB
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
 Specification sheet, 2 pages
 ////5703-XM3,5734-XMB
- GH20-4347
APL SHARED VARIABLES (APLSV) - PROGRAM NO. 5799-AJF (PRPQ NUMBER WE1191) - SPECIFICATIONS SHEET
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
 Specification Sheet, 8 pages
 ////5799-AJF
- GH20-4350
DL/I DOS/VS, PROG. PROD. 5746-XX1 SPECIFICATIONS, VERSION 1 MOD 1
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
 Program Product Specifications Sheet, 2 pages
 ////5746-XX1
- GH20-4355
IMS/V5, PROG. PROD. 5740-XX2 SPECIFICATIONS VERS 1 MOD 0
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.
 Program Product Specification Sheet, 8 pages
 ////5740-XX2
- GH20-4367
GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/V5) PROG. PROD. 5740-XX7 SPECIFICATIONS
 This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product.
 Program Product Specification Sheet, 4 pages
 ////5740-XX7
- GH20-4370
APL/CMS SPECIFICATIONS - PROG. NO. 5799-ALK, PRPQ MF2608
 This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product.
 Flyer, 4 pages
 ////5799-ALK
- GH20-4374
DOS/V5 REMOTE JOB ENTRY WORKSTATION PROGRAM (PROGRAMMING RFP WF0358) - PROGRAM NUMBER 5799-WHX, SPECIFICATIONS
 This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product.
 Specification sheet, 4 pages
 ////5799-WHX
- GH20-4376
3333/3330 DISK STORAGE SERIES MODEL 11 SUPPORT FOR DOS/V5 PROGRAM NUMBER 5799-WHZ PRPQ EF4346
 This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product.
 Flyer, 1 page
 ////5799-WHZ
- GH20-4380
SYSTEM/370 DATA LANGUAGE/1 ENTRY DOS/VS PROG PROD 5746-XX7, SPECIFICATIONS
 No abstract available
 Flyer, 2 pages
 ////5746-XX7
- GH20-4381
IMS/V5 PROG. PROD. 5740-XX2 SPECIFICATIONS VERS 1 MOD 1
 This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product.
 Program Product Specification Sheet, 10 pages
 ////5740-XX2
- GH20-4383
DATA BASE DESIGN AID (DBDA) SPECIFICATIONS PROGRAM NUMBER 5748-XX4
 This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product.
 Specification sheet, 6 pages
 ////5748-XX4
- GH20-4388
EXTENDED TELECOMMUNICATIONS MODULES (EXTM) FEATURE OF CICS/DOS/VS VERSION 1 MOD LEVEL 0 - PROG. NO. 5746-XXB, SPECIFICATIONS
 This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product.
 Flyer, 4 pages
 ////5746-XXB
- GH20-4391
TCAM - IMS INTERFACE SPECIFICATIONS - PROG. NO. 5740-XXC
 This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product.
 Specification Sheet, 4 pages
 ////5740-XXC
- GH20-4395
TELECOMMUNICATIONS CONTROL SYSTEM ADVANCED FUNCTION (TCS-AF) - PROG PROD 5740-XXD, SPECIFICATIONS
 This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product.
 Specification Sheet, 6 pages
 ////5740-XXD
- GH20-4452
CICS/OS/VS VERSION 1 PROG PROD 5740-XX1, DESIGN OBJECTIVES
 This Program Product Specifications (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product.
 Flyer, 24 pgs, 9/76
 ////5740-XX1
- GH20-4457
DL/I DOS/VS, V1, REL 3, LIC PROG 5746-XX1, DESIGN OBJECTIVES
 The Licensed Program Design Objectives (LPDO) describes the design objectives and provides the estimated availability date for the subject program.
 Flyer, 8 1/2 x 11 inches, 4 pages, 4/77
 ////5746-XX1
- GH20-4469
SYSTEM/370 VS TS10 PROGRAM PROD 5740-XR9, DESIGN OBJECTIVES
 This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product.
 Flyer, 2 pages, 11/76
 ////5740-XR9
- GH20-4470
VS APL RELEASE 2, PROG PROD 5748-AP1 DESIGN OBJECTIVES
 This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product.
 Flyer, 4 pages, 11/76
 ////5748-AP1
- GH20-4480
IBM DOS/VS RPG II, LIC PROG 5746-RG1, DESIGN OBJECTIVES
 The Licensed Program Design Objectives (LPDO) describes the design objectives and provides the estimated availability date for the subject program.
 Flyer, 2 pages, 4/77
 ////5746-RG1
- GH20-4481
IBM SYSTEM/3 DOS/VS RPG II CONVERSION PREPROCESSOR, LIC PROG 5735-CV1, DESIGN OBJECTIVES
 The Licensed Program Design Objectives (LPDO) describes the design objectives and provides the estimated availability date for the subject program.
 Flyer, 2 pages, 4/77
 ////5735-CV1
- GH20-4502
CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE OS/VS (CICS/OS/VS) VERSION 1 MODIFICATION LEVEL 2 SPECIFICATIONS PROG PROD 5740-XX1
 Describes the warranted specifications of the program.
 Specification sheet, 15 pages, 6/76
 ////5740-XX1
- GH20-4509
DB/DC DRIVER SYSTEM PROG PROD 5740-XXT SPECIFICATIONS
 Describes the warranted specifications of the program.
 Specification Sheet, 6 pages, 7/76
 ////5740-XXT

GH20-4510

DB/DC DATA DICTIONARY, PROG PROD 5740-XXF (OS/VS), 5746-XXC (DOS/VS), SPECIFICATIONS
Describes the warranted specifications of the program.
Specification sheet, 4 pgs, 9/76
/////5740-XXF,5746-XXC

GH20-4516

DISPLAY MANAGEMENT SYSTEM/VS VERSION 1 SPECIFICATIONS, DMS/DOS/VS PROG PROD 5746-XC2, DMS/OS/VS PROG PROD 5740-XC2
Describes the warranted specifications of the program.
Specification sheet, 4 pages, 11/76
/////5740-XC2,5746-XC2

GH20-4521

TSO 3270 DISPLAY SUPPORT AND STRUCTURED PROGRAMMING FACILITY (SPF) VERSION 2 SPECIFICATIONS, LIC PROG 5740-XT8
Describes the warranted specifications of the program.
Flyer, 8 1/2 x 11 inches, 6 pages, 4/77
/////5740-XT8

GH20-4523

DL/I DOS/VS, V1 REL 2, LIC PROG 5746-XX1, SPECIFICATIONS
Describes the warranted specifications of the program.
Specifications, 8 1/2 x 11 inches, 4 pages, 4/77
/////5746-XX1

GH20-4524

VM/370 NETWORKING PRPQ P09007 PROG 5799-ATA, SPECIFICATIONS
Describes the warranted specifications of the program.
Specification sheet, 8 1/2 x 11 inches, 4 pgs, 4/77
/////5799-ATA

GH20-4525

ASP NETWORKING PRPQ P09008 PROG 5799-ATB, SPECIFICATIONS
Describes the warranted specifications of the program.
Specification sheet, 8 1/2 x 11 inches, 2 pgs, 4/77
/////5799-ATB

GH20-4526

HASP NETWORKING PRPQ P09009 PROG 5799-ATC, SPECIFICATIONS
Describes the warranted specifications of the program.
Specification sheet, 8 1/2 x 11 inches, 4 pgs, 4/77
/////5799-ATC

GH20-4528

EXTENDED TELECOMMUNICATIONS MODULES (EXTM) V3 REL 1, MOD LEVEL 0, LIC PROG 5746-XXB, SPECIFICATIONS
Describes the warranted specifications of the program.
Flyer, 8 1/2 x 11 inches, 4 pages, 4/77
/////5746-XXB

GH20-4609

VANCOUVER DATA LANGUAGE-ONE (VANDL-1) PROG 5799-AEY, FUNCTIONAL DESCRIPTION
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, 4 pages, 6/76
/////5799-AEY

GH20-4623

FASTER LANGUAGE FACILITY FOR CICS/DOS/VS PROGRAM NUMBER 5746-XX3 AND FOR CICS/DOS/VS PROGRAM NUMBER 5740-XX1, FUNCTIONAL DESCRIPTION
This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C.
Program product functional description, 2 pgs, 2/77
/////5746-XX3,5740-XX1

SH20-9025

IMS/VS VERSION 1 SYSTEM/APPLICATION DESIGN GUIDE PROG PROD 5740-XX2
Provides information required by data base administrators, application planners, and systems programmers in designing Information Management System/Virtual Storage (IMS/VS) Data Base and Data Base/Data Communication Systems. Included are descriptions of data base and data communication concepts and the facilities available in designing an IMS/VS system. Data Base design considerations are also included.
Prerequisite Publication: Information Manual GH20-1260
Manual, 500 pages, 5/76
/////5740-XX2

SH20-9026

IMS/VS VERSION 1 APPLICATION PROGRAMMING REFERENCE MANUAL PROG PROD 5740-XX2
Information Management System/Virtual Storage (IMS/VS) is a processing program (control system) 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 is a guide for the application analyst or system analyst. Its contents will assist him in the design of an IMS/VS system as well as in the design of the application systems which will run under IMS/VS.
Manual, 260 pages, 5/76
/////5740-XX2

SH20-9027

INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/VS) SYSTEM PROGRAMMING REFERENCE - PROG. NO. 5740-XX2
This publication provides system programmers with installation considerations and details for generation (definition) of an IMS/VS system to be run under either OS/VS1 or OS/VS2. It describes data base and data communications functions, System/3 and System/7 support security maintenance and IMS/VS service programs. The 1.0.1 enhancement adds 2260/2265 support and the IMS Trap Code Monitor and its associated print program.
Manual
/////5740-XX2

SH20-9028

IMS/VS V1 OPERATOR'S REFERENCE MANUAL, PROG PROD 5740-XX2
Provides the information required to control the online execution of IMS/VS and to establish procedures for the operator of the IMS/VS master terminal and operators of remote terminals attached to IMS/VS. The intended audience is IMS/VS machine operations personnel responsible for an IMS/VS installation's operating procedures.
This publication provides: an overview of the relationship between IMS/VS and OS/VS; a general description of IMS/VS system and terminal functions and how they are used; a description of each terminal supported by IMS/VS; a description of the function and use of each IMS/VS terminal command, including examples; suggested procedures for the online execution of IMS/VS.
Manual, 250 pages, 5/76
/////5740-XX2

SH20-9029

IMS/VS VERSION 1 UTILITIES REFERENCE MANUAL PROG PROD 5740-XX2
This publication is designed for system programmers, application programmers, system analysts, and computer operators whose responsibilities require a knowledge of how to execute the Information Management System/Virtual Storage (IMS/VS) utility programs under the operating system.
This manual contains information on the generating utilities, DBDGEN, PSBGEN, and ACBGEN; data base utilities used for reorganizing and recovering data bases and the Utility Control Facility; utilities used for analysis and recovery of system log data; and performance and service utilities.
The user should be familiar with OS/VS and its system generation, telecommunications, and the access methods used by IMS/VS.
Manual, 450 pages, 5/76
/////5740-XX2

SH20-9030

IMS/VS VERSION 1 MESSAGES AND CODES REFERENCE MANUAL PROG PROD 5740-XX2
This publication lists abend codes, status codes, and messages produced by the IBM-supplied components of the IMS/VS system. In addition to the explanation that accompanies each code and message, the action (if any) required of the user is provided.
The publication is designed to advise programmers, operators, and system support personnel of the status of their programs and the action required to correct a problem.
Manual, 205 pages, 5/76
/////5740-XX2

GH20-9033

GENERALIZED INFORMATION SYSTEM, VERSION 2 (GIS/2) EXECUTIVE QUERY REFERENCE (BASIC INTRODUCTION), PROG. NO. 5734-XX1
This manual is designed to give a sampling of GIS/2 capabilities and to provide a reference for non-data processing users of GIS/2. It is a basic introduction to GIS/2 which may be examined by those who are interested in a system designed to make information readily available to decision makers.
Manual
/////5734-XX1

GH20-9035

GENERALIZED INFORMATION SYSTEM VIRTUAL STORAGE (GIS/VS) GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5740-XX7
This manual surveys the operational concepts and system capabilities of the Generalized Information System/Virtual Storage. The manual introduces the language of GIS/VS and describes the file organization and processing actions supported by GIS/VS.
The Generalized Information System operates on System/370 Virtual Storage Systems and supports a wide variety of applications by providing information handling capabilities against many typical data base organizations. GIS/VS provides facilities for defining, maintaining, and retrieving data from user files under direction of the using

installation and its personnel.
Manual, 76 pages
/////5740-XX7

SH20-9036

GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/VS) USER'S GUIDE, PROG. PROD. 5740-XX7
The User's Guide contains information to introduce the program to both the technically oriented user and the nontechnical end user and includes instructions for the guidance of both in the use of the Program Product GIS/VS.
Manual, 84 pages
/////5740-XX7

SH20-9037

GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/VS) SYSTEM PROGRAMMER'S REFERENCE MANUAL, 5740-XX7
Designed for system programmers and data base administrators with responsibility for system and data base planning, design, installation, and details of system operation. Security is discussed in detail, data description for all file types is included, as well as recovery and reorganization techniques, SAM/ISAM to VSAM conversion, and diagnostic aids and techniques to assist in quick diagnosis of problem situations.
Manual
/////5740-XX7

SH20-9038

GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/VS) LANGUAGE REFERENCE MANUAL - 5740-XX7
The LRM is a reference manual for users. Procedural language utilities, task input parameters, and terminal command language are described. Language syntax and conventions are detailed, and examples are included to illustrate the proper use of the various language functions. Major functions, such as QUERY, UPDATE/CREATE, MODIFY, DL/I, and IMS/VS terminal entry are discussed.
Manual
/////5740-XX7

SH20-9039

GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/VS) MESSAGES AND CODES, PROG. PROD. 5740-XX7
This publication lists completion codes, status codes, and messages produced by the IBM supplied components of the GIS/VS system. In addition to the explanation that accompanies each code and message, the action (if any) required of the user is provided unless this information is implicit in the explanation. The publication is thus designed to advise programmers and system analysts of the status of their programs and to alert them of the action required to correct a problem.
The information in this manual corresponds to parts of the GIS/2 Operations Manual.
Manual, 130 pages
/////5740-XX7

SH20-9040

GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/VS) PLANNING AND OPERATION GUIDE FOR THE ADVANCED QUERY FEATURE, PROG. PROD. 5740-XX7
This document describes the characteristics of the Advanced Query Feature of GIS/VS. This feature provides the means by which a person can employ GIS/VS in conjunction with Information Management System/Virtual Storage (IMS/VS). The user of this feature must have installed either the Data Base System of IMS or the combined Data Base/Data Communication System of IMS. The discussion is at a level sufficient for planning the installation of the feature. The two major sections deal with the AQP Data Base Support and the AQP Terminal Support.
The terminal interface is discussed in detail while the command language is only briefly described.
Manual, 80 pages
/////5740-XX7

GH20-9043

GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/VS) EXECUTIVE QUERY REFERENCE MANUAL, PROG. NO. 5740-XX7
This manual is designed to give a sampling of GIS/VS capabilities and to provide a reference for non-data processing users of GIS/VS. It is a basic introduction to GIS/VS which may be examined by those who are interested in a system designed to make information readily available to decision makers.
Manual, 96 pages
/////5740-XX7

SH20-9046

IBM SYSTEM/370 LOW-LEVEL CODE/CONTINUITY CHECK IN DATA LANGUAGE/I DOS/VS PROGRAM REFERENCE AND OPERATIONS MANUAL, PROGRAM NUMBER 5746-XX1
This manual is intended for application programmers who want to use the services of Low-Level Code/Continuity Check in Data Language/I DOS/VS (LLC/CC in DL/I DOS/VS). It describes the functions and the operation of the system, and contains all the information required to generate and execute LLC/CC in DL/I DOS/VS.
Low-Level codes are used primarily in the manufacturing

industry to indicate the lowest level at which at particular part number is found in all product structure trees. The product structures must not contain any loops. Therefore, a continuity check is applied to ensure proper assembly-to-subassembly continuity.

The reader is assumed to have a working knowledge of the functions and the facilities of Data Language/I Disk Operating System/Virtual Storage (DL/I DOS/VS). He should be familiar with the contents of the following publications:

- o DL/I DOS/VS Application Programming Reference Manual, SH12-5411
- o DL/I DOS/VS Operator's Reference Manual and Messages and Codes SH12-5414
- o DL/I DOS/VS Utilities and Guide for the System Programmers, SH12-5412

Manual, 52 pages
/////5746-XX1

SH20-9047

INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/VS), LOW-LEVEL CODE/CONTINUITY CHECK IN DATA LANGUAGE/I, REFERENCE AND OPERATIONS - PROG. PROD. 5740-XX2
LLC/CC in DL/I of IMS/VS provides a callable subroutine to assign low-level codes to parts recorded in a parts data base as used in manufacturing industry.

Low-level codes indicate the lowest level at which a part number is found in all product structure trees. To prevent loops in product structures, a continuity check is applied to ensure proper assembly-to-subassembly continuity.

This manual is intended for application programmers. It describes the functions and the operation of the system, and contains all information to generate and execute the program.

The reader is assumed to have a working knowledge of the functions and facilities of IMS/VS. He should be familiar with the contents of the following publications:
IMS/VS System/Application Design Guide, SH20-9025,
IMS/VS Application Programming Reference Manual, SH20-9026,
IMS/VS System Programming Reference Manual, SH20-9027,
IMS/VS Utilities Reference Manual, SH20-9029,
IMS/VS Messages and Codes Reference Manual, SH20-9030.
Manual, 60 pages
/////5740-XX2

SH20-9053

IMS/VS VERSION 1 MESSAGE FORMAT SERVICE USER'S GUIDE, PROG PROD 5740-XX2
The purpose of this manual is to describe the IMS/VS Message Format Service (MFS). This manual contains information for designers of MFS application systems, for programmers of application programs that communicate with devices using MFS, and for the person(s) responsible for the administration of all MFS application systems used by the IMS/VS installation. Contents include a description of all MFS functions, information on application design and programming, and descriptions and examples of the MFS language and service utility programs. MFS supports the IBM 2740, 2741 and 3767 Communication Terminals, the IBM 3270 Information Display System, the IBM 3600 Finance Communication System, and the IBM 3770 Data Communication System.
Manual, 300 pages, 5/76
/////5740-XX2

SH20-9054

IMS/VS VERSION 1 ADVANCED FUNCTION FOR COMMUNICATIONS, PROG PROD 5740-XX2
This manual provides planning and reference information. It is intended to guide the application programmer of advanced function communications system (3600, 3790, etc.) in communicating with IMS/VS via a network that includes VTAM and NCP. Detailed network communications procedures are included that could also be useful to systems analysts, system programmers, host application programmers, etc., who are working with an IMS/VS - Advanced Function Communications System.
Manual, 256 pages, 5/76
/////5740-XX2

GH20-9056

IBM SYSTEM/360 DISK OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY: PL/I AND BASIC: FUNCTIONAL DESCRIPTION, PROG. PRODS. 5736-RC1 AND 5736-RC2
This document describes the functional capabilities of the subject Program Products, which have a Programming Service Classification of C.
Flyer, 4 pages
/////5736-RC1,5736-RC2

GH20-9057

OS/MVT AND OS/VS2 TIME SHARING OPTION TSO DATA UTILITIES: COPY, FORMAT, LIST, MERGE: FUNCTIONAL DESCRIPTION, PROG. PROD. 5734-UT1
This document describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C.
Functional Description, 1 page
/////5734-UT1

GH20-9058

APL/360-OS: PROGRAM PRODUCT 5734-XM6 FUNCTIONALDESCRIPTION

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
 ////5734-XM6

GH20-9059

APL/360-DOS: PROGRAM PRODUCT, 5736-XM6 FUNCTIONALDESCRIPTION

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
 ////5736-XM6

SH20-9060

VS BASIC FOR VSPC: TERMINAL USER'S GUIDE
PROG PROD 5748-XX1

This publication provides the introductory, procedural, and reference information necessary to use the VS BASIC language to develop programs under VSPC, a program product available with OS/VS1, OS/VS2 MVS, and DOS/VS. It contains detailed explanations of the command language directly relevant to the needs of the typical VS BASIC user, a sample terminal session, a description of batch processing, and a VSPC Terminal Quick Reference Chart.

Prerequisite Publications:

VS BASIC General Information,
 GC28-8302

VS BASIC Language, GC28-8303

Related Publications:

The VS BASIC for VSPC: Reference Summary,
 SX26-3710, is a digest of the VS BASIC

language and the VSPC commands presented here.
 Manual, 150 pages, 4/76
 ////5748-XX1

GH20-9061

VSPC FORTRAN GENERAL INFORMATION PROGRAM NUMBER 5748-FO2

This manual provides planning information about the VSPC FORTRAN processors, an IBM program product that runs under the VS Personal Computing program products when running under OS/VS1, OS/VS2, and DOS/VS. The features and capabilities of VSPC FORTRAN are described, along with information concerning capability and conversion considerations, operating environment, and system requirements. The VSPC FORTRAN processor consists of a compiler, together with a library of mathematical and service subroutines.

The VSPC FORTRAN General Information manual is intended for customer executives, installation managers, and other supervisors, including data processing system planners and analysts who are interested in getting an overview of VSPC FORTRAN as an aid in evaluating it and/or planning for its installation.

Manual, 40 pages, 11/75
 ////5748-FO2,5748-FO2

SH20-9062

VSPC FORTRAN TERMINAL USER'S GUIDE PROG PROD 5748-FO2

This publication provides introductory, procedural and reference information necessary to develop programs using VSPC FORTRAN under the VS Personal Computing (VSPC) program product. It is intended for the FORTRAN problem-solver who will write, compile, run, and store his programs while sitting at a VSPC-supported terminal. The publication provides the necessary terminal and VSPC information for the user, and explains the use of the FORTRAN IV language supported by VSPC FORTRAN.

Prerequisite Manual:

IBM System/360 and System/370 FORTRAN IV Language,
 GC28-6515.

The VSPC FORTRAN Reference Summary, SX26-3711, is a digest of the FORTRAN IV language and the VSPC commands presented in this book.

Manual, 8 1/2 x 11 inches, 154 pgs, 6/77
 ////5748-FO2,5748-FO2

SH20-9063

VSPC FORTRAN INSTALLATION REFERENCE MATERIAL
PROG PROD 5748-FO2

This publication describes how to install VSPC FORTRAN and how to perform various system functions, such as defining VSPC FORTRAN users and maintaining public and project libraries. It is intended for installation personnel who have responsibility for these functions. It explains the installation of VSPC FORTRAN under the VSPC program product.

Manual, 8 1/2 x 11 inches, 30 pgs, 6/77
 ////5748-FO2,5748-FO2

GH20-9064

VS APL GENERAL INFORMATION PROGRAM NUMBER 5748-API

This manual provides planning information about VS APL, an IBM program product that runs with VS Personal Computing under OS/VS1, OS/VS2, and DOS/VS and under the VM/370 Conversational Monitor System. The features, commands, and installation considerations are described, as are the auxiliary processors available with VS APL under VSPC and

CMS, and the differences between VS APL and previous APL implementations by IBM.

This manual is directed to data processing system analysts and planners as well as data processing executives and is intended to be an aid in evaluating and planning for the use of VS APL.

Manual, 44 pages, 11/75
 ////5748-API

SH20-9065

VS APL INSTALLATION REFERENCE MATERIAL PROG PROD 5748-API

This publication is for installation managers and system programmers responsible for installing and maintaining the IBM program product VS APL under VM/370 CMS or under the IBM program product OS/VS1 VSPC, OS/VS2 MVS VSPC, or DOS/VS VSPC. It describes how to install VS APL and how to perform various system management functions such as defining VS APL users, creating and maintaining VS APL public and project libraries, and converting APL/360, APLSV, and APL/CMS workspaces to VS APL workspaces.

The reader is assumed to have a knowledge of VS APL and the system or program product under which it runs.

Prerequisite publications are VS APL General Information, GH20-9064, and either IBM Virtual Machine Facility/370: Introduction, GC20-1800, or VS Personal Computing (VSPC) for OS/VS and DOS/VS: General Information, GH20-9070.

Manual, 80 pages, 1/76
 ////5748-API

SH20-9066

VS APL FOR VSPC: TERMINAL USER'S GUIDE PROG PROD 5748-API

Provides how-to and reference information about the VS APL program product when operated under the program product OS/VS1 VSPC, OS/VS2 VSPC, and DOS/VS VSPC. It contains detailed information on the terminals that support the product and the procedures that must be followed in starting a terminal session. This book also describes the system commands presented by VS APL and the auxiliary processors and workspaces distributed with the product.

This book is directed to general users of VS APL. It assumes a familiarity with the APL language but assumes no experience with VSPC. Prerequisite Manual: APL Language, GC26-3847.

The VS APL Reference Summary, SX26-3712, is a digest of the language elements, system commands, and system variables.

Manual, 8 1/2 x 11 inches, 160 pgs, 11/76
 ////5748-API

SH20-9067

VS APL FOR CMS: TERMINAL USER'S GUIDE PROG PROD 5748-API

Provides how-to and reference information about the IBM program product VS APL when operated under control of the Conversational Monitor System (CMS) of the Virtual Machine Facility/370 (VM/370). It contains detailed information on the terminals that support the product and the procedures that must be followed in starting a terminal session. This book also describes the system commands presented by VS APL and the auxiliary processors and workspaces distributed with the product.

This book is directed to general users of VS APL. It assumes a familiarity with the APL language but assumes no experience with the Conversational Monitor System.

Manual, 8 1/2 x 11 inches, 140 pgs, 11/76
 ////5748-API

SH20-9068

VS APL FOR CMS: WRITING AUXILIARY PROCESSORS
PROG PROD 5748-API

This publication is for system and application programmers who plan to write auxiliary processors to be used with VS APL for VM/370 CMS. It presents auxiliary-processor concepts and explains how to design, write, and implement auxiliary processors.

The reader is assumed to have knowledge of assembler language. Prerequisite publications are APL Language, are APL Language, GC26-3847 and OS/VS-DOS/VS-VM/370 Assembler Language, GC33-4010.

Flyer, 8 1/2 x 11 inches, 52 pgs, 1/76
 ////5748-API

GH20-9069

IMS/VS VERSION 1 FAST PATH FEATURE, PROG PROD
5740-XX2, GENERAL INFORMATION

This publication is for customer executives and installation managers to help them evaluate the plan for installation of the Fast Path feature. Familiarity with IMS/VS is assumed. Facilities described include expedited message handling and two types of data bases designed for fast retrieval, update and collection of data. Information is provided on programming, system and storage requirements, terminals supported, and criteria for suitable applications.

Manual, 30 pgs, 6/76
 ////5740-XX2

GH20-9070

VS PERSONAL COMPUTING (VSPC) FOR OS/VS AND DOS/VS: GENERAL
INFORMATION - PROG. PRODS. 5740-XR5, -XR6; 5746-XR3

This manual is for installation managers and system programmers to plan to install and operate VSPC under OS/VS or DOS/VS. VSPC is an option of the operating system that

enables persons with no previous computer experience to use the computer interactively by way of a terminal for: data entry and edition, writing or running computer programs and interpreter functions to solve business and scientific problems, remote job entry.
Manual, 68 pages (11/75)
/////5740-XR5,5740-XR6,5746-XR3

SH20-9071

VS PERSONAL COMPUTING (VSPC)
GENERAL USER'S GUIDE AND COMMAND LANGUAGE
PROG PRODS 5740-XR5, -XR6, -XRA, 5746-XR3
Provides introductory, procedural, and reference information about the VSPC general commands and the VSPC facilities they control, and is written for the VSPC general user. Such users, if they are not using VSPC batch processing, need not have prior data processing experience. The manual describes VSPC facilities available to the general user, describes how to conduct a terminal session, and how to use each VSPC general command. A section describing how to use VSPC batch processing facilities for general users with data processing experience is included. A separate reference section gives formal definitions of VSPC general commands and related VSPC terms. VSPC is a program product available with OS/VS1, OS/VS2 MVS, OS/VS2 SVS, or DOS/VS.
Manual, 150 pages, 4/76
/////5740-XR5,5746-XR3,5740-XR6

SH20-9072

VS PERSONAL COMPUTING (VSPC) INSTALLATION REFERENCE MATERIAL
PROG PRODS 5740-XR5, 5740-XR6, 5746-XR3
This manual is for system programmers and application personnel who install, operate, and maintain VSPC under OS/VS1, OS/VS2 MVS, and DOS/VS with VTAM and VSAM. VSPC is a program product that enables persons with no previous computer experience to use the computer interactively by way of a terminal for: data entry and editing, writing or running computer programs and interpreter functions to solve business and scientific problems, and remote job entry.
This manual describes the VSPC Service Program, the VSPC startup procedure, and the interactive VSPC Supervisory commands.
Prerequisite manuals: VS Personal Computing (VSPC) for OS/VS and DOS/VS: General Information, GH20-9070, and VS Personal Computing (VSPC) General User's Guide and Command Language, SH20-9071.
Manual, 190 pages, 4/76
/////5740-XR5,5746-XR3,5740-XR6

SH20-9073

VS PERSONAL COMPUTING (VSPC) TERMINALS
PROG PROD 5740-XR5, -XR6, -XRA, 5746-XR3
This publication describes how to use the terminals supported by the VSPC program product under OS/VS1, OS/VS2 MVS, OS/VS2 SVS, and DOS/VS.
It is intended for VSPC users who are using terminals other than the 3767 in start/stop mode or the 2741. (Procedures for these are described in the terminal user's guides for VSPC, VS BASIC, VS APL, and VSP FORTRAN.)
The operation and characteristics of the following terminals in a VSPC environment are discussed:
IBM 3767 Communication Terminal in SDLC and Start/Stop mode
IBM 2741 Communication Terminal
IBM 3270 Information Display System
IBM 3770 Data Communication System
IBM 1050 Data Communication System
CPT-TWX Models 33 and 35
The publication is divided into independent sections; each describes one type of terminal. Two appendixes contain a VSPC Terminal Quick Reference Chart and Terminal Specifications.
Manual, 170 pages, 11/75
/////5740-XR5,5740-XR6,5746-XR3

SH20-9074

VSPC WRITING PROCESSORS
PROG PRODS 5740-XR5, 5740-XR6, 5746-XR3
This manual is for system programmers working with VSPC. It provides detailed programming information about VSPC's external interfaces and how to design, code and run under VSPC terminal-oriented processors. Before reading this manual, the reader must have enough knowledge of VSPC to determine the need for extending VSPC's facilities by means of user-written processors.
Prerequisite Manuals:
VS Personal Computing (VSPC) for OS/VS and DOS/VS:
General Information, GH20-9070
VS Personal Computing (VSPC) General User's Guide and Command Language, SH20-9071
VS Personal Computing (VSPC) Installation Reference Material, SH20-9072
Manual, 100 pages, 4/76
/////5740-XR5,5746-XR3,5740-XR6

GH20-9077

OS/VS2 (MVS) VS PERSONAL COMPUTING (VSPC) PROG PROD
5740-XR6, DESIGN OBJECTIVES
No abstract available
Flyer, 2 pages
/////5740-XR6

GH20-9078

DOS/VS VS PERSONAL COMPUTING (VSPC) PROG PROD
5746-XR3, DESIGN OBJECTIVES
No abstract available
Flyer, 2 pages
/////5746-XR3

GH20-9080

VSPC FORTRAN, PROG PROD 5748-FO2, DESIGN OBJECTIVES
No abstract available
Flyer, 2 pages
/////5748-FO2,5748-FO2

SH20-9081

IMS/VS, VERSION 1 INSTALLATION GUIDE - PROG PROD 5740-XX2
A step-by-step guide and reference source for the person responsible for installing IMS/VS. Contains information on the IMS/VS installation process, the OS/VS prerequisites for IMS/VS, preparing the IMS/VS system definition macro statements, tailoring the IMS/VS system to the environment, establishing security for the IMS/VS system, and using the sample application provided with IMS/VS. Divides the IMS/VS installation process into steps and provides or references all of the information required to prepare for and perform each step. Used with the IMS/VS System Programming Reference Manual, SH20-9027, to install, tune, and maintain the IMS/VS system. Assumes that the reader understands the basic concepts of IMS/VS and OS/VS.
Manual, 200 pages, 5/76
/////5740-XX2

SH20-9083

DB/DC DATA DICTIONARY USER'S GUIDE, PROGS 5740-XXF, 5746-XXC
The DB/DC Data Dictionary is a data base administration tool that stores and processes user-entered definitions of data and its use in a data base system. It consists of data bases to store the definitions and programs that enter, process, copy, and retrieve the definitions and produce varied reports in human and machine-readable form. The dictionary operates in batch mode with IMS/VS or DL/I DOS/VS and accepts bulk entry of DL/I DBDs and PSBs and data descriptions from COBOL copy libraries. IMS/VS users can in addition enter most commands online through the IBM 3277, or enter definitions simply by filling in blanks on display forms through the interactive display forms facility (also on the 3277).

This book teaches the use of the dictionary and is a reference for experienced users. It includes an overview of the dictionary data bases and programs; details of the commands with examples; the content and use of each display form; corresponding dictionary and DL/I keywords; dictionary messages; and differences between this product and the predecessor IMS Dictionary System, Prog. No. 5798-BBA, and IMS Dictionary Enhancements, Prog. No. 5798-CEE.
Manual, 350 pages, 8/76
/////5746-XXC,5740-XXF

SH20-9084

DB/DC DATA DICTIONARY INSTALLATION REFERENCE MATERIAL
PROGS 5740-XXF, 5746-XXC
The DB/DC Data Dictionary is a data base administration tool that stores and processes user-entered definitions of data and its use in a data base system. It consists of data bases to store the definitions and programs that enter, process, copy, and retrieve the definitions and produce varied reports in human and machine-readable form. The dictionary operates in batch mode with IMS/VS or DL/I DOS/VS. IMS/VS users can in addition enter most commands online through the IBM 3277, or enter definitions simply by filling in blanks on display forms through the interactive display forms facility (also on the 3277). This book explains what the user receives, and it gives all the information necessary to install the dictionary. It includes information about conversion from the predecessor IBM dictionaries (IMS Dictionary System, Prog. No. 5798-BBA, and IMS Dictionary Enhancements, Prog. No. 5798-CEE).
Manual, 150 pages, 8/76
/////5746-XXC,5740-XXF

SH20-9085

IMS/VS VERSION 1 MASTER INDEX, PROG PROD 5740-XX2
This publication consolidates the indexes of publications in the IMS/VS Version 1, Release 1, Modification Level 1, program product library.
The master index lists topics alphabetically and refers to the specific publications where these topics are discussed. The individual publication indexes list the same topics and refer to specific pages.
Manual, 64 pages, 4/76
/////5740-XX2

GH20-9086

VS APL PROGRAM PRODUCT SPECIFICATIONS
PROGRAM NUMBER 5748-AP1
The Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product.
Flyer
/////5748-AP1

SH20-9087

APL SHARED VARIABLES (APLSV) VERSION 3 USER'S GUIDE, PROGRAMMING RPO MG6282, PROG 5799-AQC
This publication describes the APL Shared Variable System (APLSV) Version 3, an interactive programming system that executes statements written in APL. This publication describes the TSIO and auxiliary processor which allows an APL user to perform input and output operations to disks, magnetic tapes, line printing, and other devices. It also describes how to use a 3270 Information Display Terminal in an APLSV system.

The information in this publication supplements APL language, GC26-3847, which is required for full understanding of the use and facilities of APLSV. This publication is intended for all APLSV users.

Manual, 66 pages, 7/76
/////5740-XM4

SH20-9088

APL SHARED VARIABLES (APLSV) V3 OPERATIONS GUIDE PROGRAMMING RPO MG6282, PROG 5799-AQC

This manual contains the information necessary to install, operate, and maintain Version 3 of APLSV, including TSIO, (Program Number 5740-XM4). TSIO is an IBM-supplied auxiliary processor which provides access to Operating System data sets from APLSV terminals. The use of TSIO is optional.

Manual, 96 pages, 7/76
/////5740-XM4

GH20-9089

OS/VS1 VIRTUAL STORAGE PERSONAL COMPUTING (VSPC) SPECIFICATIONS, PROG PROD 5740-XR5

The Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. Flyer, 2 pages, 4/76
/////5740-XR5

GH20-9101

VSPC FORTRAN SPECIFICATIONS, PROG PROD 5748-F02

This Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Flyer, 2 pages, 4/76
/////5748-F02, 5748-F02

GH20-9102

APL SHARED VARIABLES (APLSV) VERSION 3.0 SPECIFICATIONS, PROGRAMMING RPO MG6282, PROG 5799-AQC

APLSV Version 3.0 (Program Number 5740-XM4) is an interactive system designed to give rapid response to a large number of terminal users. This publication is aimed at customer employees and prospective customers responsible for planning and maintaining an installation. It describes the enhancements which make APLSV differ from its predecessor, APL/360, and describes the ways in which it differs from earlier releases of APLSV.

The following are described: operation, programming Systems Supported, System Requirements, Compatibility among APL systems, conversion considerations, reference material, and programming service classification.

It is the preferred APL system to be used in OS/VS1 or OS/VS2 environments where BSAM and/or BDAM are the access methods in use. Since it provides its own EXCP-level terminal access method, it may be considered for use where main storage requirements are to be minimized.

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Flyer, 4 pages, 7/76
/////5740-XM4

GH20-9104

DB/DC DATA DICTIONARY GENERAL INFORMATION PROG PROD 5740-XXF (OS/VS), 5746-XXC (DOS/VS)

The DB/DC Data Dictionary is an IMS/VS or DL/I DOS/VS application system that serves as a tool for data base design, maintenance, and administration. Through the dictionary programs, users can create a central, organized collection of definitions of their data resources, including non-DL/I data sets as well as DL/I data bases, which can then be effectively evaluated and controlled. With batch commands, users can enter definitions directly from COBOL copy libraries (or sequential files containing COBOL source statements) and DL/I DBD and PSB libraries and then add, change, copy, search, delete, and retrieve definitions as desired. In addition, through the IBM 3277 Display Station Model 2, IMS/VS DB/DC users can enter most commands online and can enter and display DL/I definitions on display forms presented by an interactive display forms facility. Machine and human readable output includes varied reports, programming language data structures, DL/I data base descriptions (DBDs), and program specification blocks (PSBs). This manual explains the purpose of the dictionary and gives examples of its use. It outlines responsibilities in installing the system; machine, programming, and storage requirements; and compatibility with the previous IBM field-developed IBM Dictionary System and its enhancements.

Manual, 56 pages, 6/76
/////5740-XXF, 5746-XXC

SH20-9105

OS/MVT 3350 and 3330 MODEL II PROGRAMMER'S GUIDE, PROG 5799-ARG, RPO EG4653

This manual is intended for installation managers and system programmers who require planning, conversion, and system generation information to install the IBM 3350 Direct Access Storage and the IBM 3330 Model II Disk Storage on their systems.

This manual also contains information on how to use the 3350 or 3330 Model II which is intended for the application and system programmers who write programs using the 3350 or 3330.

One section describes operating considerations for the operator when using OLTEP, HASP, and AP-1 with the 3350 and 3330.

A messages and codes section describes the new messages supported. There is no prerequisite reading for the understanding of this manual; however a basic knowledge of computers and direct-access storage devices is assumed.

Manual, 50 pages, 9/76
/////3350, 3330/5799-ARG

SH20-9106

OS/MVT ANALYSIS PROGRAM-1 (AP-1) USER'S GUIDE: PROG 5799-ARG PRPO EG4653 FOR 3350 & 3330 MODEL II ON SYSTEM/370

This manual is intended for operators and programmers whose systems include the IBM 3350 Direct Access Storage. The material introduces operators and programmers to Analysis Program-1 (AP-1), its operating procedures, and its output. One section describes how to invoke AP-1 and another section describes the messages produced by AP-1.

There is no prerequisite reading for the understanding of this manual; however, it is assumed that the reader knows how to operate his computer system.

Manual, 32 pages, 9/76
/////5799-ARG

SH20-9107

VS TSIO GUIDE AND REFERENCE, PROG PROD 5740-XR9

This publication describes how to use, install, and operate VS TSIO. VS TSIO is an auxiliary processor which allows a VS APL user under VSPC to perform input and output operations from a VS APL terminal to and from operating system data sets on disk, tape, line printer, and other devices. SYSOUT and job submission capability are also provided.

A knowledge of the information in the APL Language manual, GC26-3847, especially the use of shared variables, and the VS APL for VSPC Terminal User's Guide, SH20-9066, is essential to full understanding of the use and facilities of VS TSIO.

This publication is intended for all VS TSIO users, operators, installers, planners, and analysts.

Manual, 124 pgs, 2/77
/////5740-XR9

GH20-9108

OS/VS2 MVS VIRTUAL STORAGE PERSONAL COMPUTING (VSPC) SPECIFICATIONS PROG PROD 5740-XR6

Virtual Storage Personal Computing (VSPC) is a program product that provides OS/VS2 MVS users at terminals a choice of responsive tools, in an interactive environment, to help support their personal computing and problem solving activities.

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Program Product Specifications, 2 pages (8/76)

/////5740-XR6

GH20-9109

DOS/VS VIRTUAL STORAGE PERSONAL COMPUTING (VSPC) PROD 5746-XR3 SPECIFICATIONS

Virtual Storage Personal Computing (VSPC) is a program product that provides DOS/VS users at terminals a choice of responsive tools, in an interactive environment, to help support their personal computing and problem solving activities.

The Program Product Specifications (PPS) describe the warranted specifications of this program product.

Flyer, 2 pgs, 9/76
/////5746-XR3

SH20-9111

OS/MVT AND OS/VS DASDR USER'S GUIDE - PROG PROD 5740-UT1

This publication describes the installation considerations of DASDR program product and how to use the program. This manual provides planning and system generation information for data processing managers, system planners, and system programmers planning to install this program product on their systems.

This manual also provides information on how to use DASDR program product and the messages issued by the program product. This information is intended for system programmers, application programmers, and operators.

There is no prerequisite reading for this publication, although a basic knowledge of how utility programs work is assumed.

Manual, 100 pages, 3/77
/////5740-UT1

- GH20-9112
IMS/V5 VERSION 1 PLANNING GUIDE FOR SNA OFFLINE PROGRAMMABLE TERMINALS (3770P AND 3790), PROG PROD 5740-XX2
 Information is given to help application designers and programmers plan for use of a class of SNA terminals for which IMS/V5 support will be provided. Topics include IMS/V5 functions to be available, design considerations, message structure, and preparation of IMS/V5 application programs as well as terminal programs to be used.
 The reader is expected to be familiar with the IMS/V5 program product and with the 3770 and 3790 terminals. Manual, 16+C pages, 8/76
 ////5740-XX2
- GH20-9113
DASDR (DIRECT ACCESS STORAGE DUMP RESTORE) LIC PROG 5740-UT1, DESIGN OBJECTIVES
 The Licensed Program Design Objectives (LPDO) describes the design objectives and provides the estimated availability date for the subject program.
 Design objectives, 8 1/2 x 11 inches, 2 pgs, 3/77
 ////5740-UT1
- GH20-9114
V5TSIO SPECIFICATIONS, PROG PROD 5740-XR9
 Describes the warranted specifications of the program. Flyer
 ////5740-XR9
- GH20-9115
3350-3330 MODEL 11 MVT (PRPQ EG 4653) PROG 5799-ARG SPECIFICATIONS
 This program specification provides information on the availability and system requirements and considerations for the 3350/3330 Model 11 support on OS/MVT Release 21.8. Program Specifications, 4 pgs, 9/76
 ////3350,3330/5799-ARG
- GH20-9116
DASDR, PROG PROD 5740-UT1, SPECIFICATIONS
 This specification provides information on the availability, system requirements, and considerations for the DASDR Program Product dump and restore facilities.
 Flyer, 8 1/2 x 11 inches, 2 pgs, 3/77
 ////5740-UT1
- GH20-9117
IMS/V5 VERSION 1.1.3 SPECIFICATIONS, PROG PROD 5740-XX2
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Flyer, 8 1/2 x 11 inches, 14 pgs, 10/76
 ////5740-XX2
- GH20-9500
IBM SYSTEM/370 DISTRIBUTED SYSTEM PROGRAM REFERENCE MANUAL PROGRAM NUMBER 360A-TX-032
 This publication describes the functions available in the IBM System/370 Distributed System Program (DSP). This book provides System/360, System/370 and System/7 application programmers with information that enable them to prepare for and install the DSP facilities that most effectively fulfill their application requirements. Manual, 206 pages
 360,370/C/36/OS,OTSO,OASP,CALL/5010/
- GH20-9501
SYSTEM/370 DISTRIBUTED SYSTEM PROGRAM OPERATIONS GUIDE PROG. NO. 360A-TX-032
 This publication describes how to install, operate, and maintain the IBM System/370 Distributed System Program (DSP). This book is intended for system programmers who are knowledgeable in concepts of generation, operation, and maintenance of OS/360 and familiar with the concepts of teleprocessing and the Distributed System Program. Guide, 103 pages
 360,370/C/36/OS,OTSO,OASP,CALL/5010/
- SJB1-0461
SVS VTAM ICR - OS/V5 SCP 5742-017
 Microfiche Source Code of OS/V52 R1.7 (SVS) Modules used in the SVS VTAM ICR (5742-017) that provides the SVS user support of SNA terminals.
 Intended primarily for IBM Programming Support Representatives requiring the SCP program listings for VTAM, SSS, TOLTEP, and prerequisite PTF's.
 Microfiche, 7/76
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- SJB2-9000
OS/V52 REL 3.0 SMP 5752-VS2 PROGRAM LISTINGS
 Listings for the above OS/V51 and/or OS/V52 program. Microfiche 7/76
- SJB2-9001
V52 REL 1.7 SMP 5742-017 PROGRAM LISTINGS
 Listings for the above OS/V51 and/or OS/V52 program. Microfiche, 7/76
- LJB2-9500
OS/V52 - RMP - PROG PROD 5740-XXM, LISTINGS
 Listings for the above OS/V51 and/or OS/V52 program. Microfiche
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- LJB2-9501
OS/V52 DASD TSO COMMAND PACKAGE, PROG 5740-XT6
 Listings for the above OS/V51 and/or OS/V52 program. Microfiche
 SLSS - IBM INTERNAL SUBSCRIPTION ONLY
- LJB6-0001
IBM 3350/3330-11 PRPQ (US99931) FOR USE WITH OS/MVT (21.8) PROG 5799-ARG
 Microfiche listing for subject PRPQ. Microfiche, 9/76
 SLSS - IBM INTERNAL SUBSCRIPTION ONLY
- LJB6-0002
DASDR LISTINGS, PROG PROD 5740-UT1
 Microfiche Program Listings for Program Number 5740-UT1 to support OS/MVT (21.8); OS/V51 (Rel 5,6); OS/V52 Rel 1.7 (SVS); and OS/V52 Rel 3.7 (MVS). Microfiche, 7 cards, 2/77
 SLSS - IBM INTERNAL SUBSCRIPTION ONLY
- SJB6-6002
OS/V52 ANALYSIS PROGRAM 1 (AP-1) PROGRAM LISTING - SCP COMPONENT 5752-SC1-31
 Listings for the above OS/V51 and/or OS/V52 program. Microfiche, 3/76
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- SJB6-6003
DOS/V5 ANALYSIS PROGRAM 1 (AP-1) LISTINGS - SCP COMPONENT 5745-SC-APC
 Contains SCP program listings for OS/V51 and/or OS/V52 as specified in the title.
 AP-1 is a program designed to provide testing capacity to analyze the operational status of a 3350/3344 in reading, writing and arm movement. It can also scan for unreadable data and determine whether an error is drive or media related.
 Microfiche, 3/76
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- SJB6-6006
IBM 3800 PRINTING SUBSYSTEM ICR (UY99914) 5742-017 INDEX
 Microfiche program listings for IBM 3800 Printing Subsystem for SVS ICR (UY99914). Intended for IBM support personnel and system programmers who diagnose and fix errors in the ICR Source code listings for the ICR.
 Microfiche, 10/76
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- SJB6-6007
OS/V52 (SVS) ICR FOR THE 3850 MSS AND ENHANCED VSAM INDEX
 Microfiche Program Listings for Program Number 5742-017 (SVS) for the 3850 MSS and Enhanced VSAM. Microfiche, 246 cards, 1/77
- GJD1-0001
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
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- GJD1-1100
OS REL. 21.0- 21.7, V51 REL. 1.0- 3.0, V52 REL. 1.0- 1.6 SYSTEM MODIFICATION PROGRAM LISTINGS, PROG. NO. 360S-DN-611 AND COMPONENT NOS. 5741-SC1-30, 5742-SC1-30
 Contains Type I OS program listings as specified in the title.
 Microfiche
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- GJD1-1480
IBM OPERATING SYSTEM/360 DOS EMULATOR PROGRAM FOR SYSTEM/370 MODELS 145 AND 155 - PROGRAM NUMBER 360C-EU-738
 Microfiche Assembler Listing DOS Emulator under OS/MFT and OS/MVT.
 Microfiche
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- GJD1-1640
EMULATOR OS 165/7094, PROG 360C-EU-740 VERSION 3 LEVEL 0, COMPONENT OF SBOF-6443
 This document contains Type I OS program listings and DOS/OS PTF listings.
 Included is Version 3 level 0 for 360C-EU-740
 Microfiche, 3/76
 Available via SLSS under BOF.

- GJD1-1641
EMULATOR OS 165/7070-74 PROG 360C-EU-739 VERSION 2 LEVEL 0, COMPONENT OF SBOF-6445
 This document contains Type I OS program listings and DOS/OS PTF listings.
 Included is Version 2, level 0 for 360C-EU-739
 Microfiche, 3/76
 Available via SLSS under BOF.
- GJD1-1642
7080 EMULATOR FOR SYSTEM/370 MODEL 165 UNDER OPERATING SYSTEM/360, LISTINGS - PROG 360C-EU-737, COMPONENT OF SBOF-6442
 Included is Version 2 level 0 for 360C-EU-737
 Microfiche, 3/76
 Available via SLSS under BOF.
- GJD1-1643
EMULATOR FOR 7074 ON S/370 MODEL 155 UNDER OS COMPONENT OF SBOF-6444, LISTINGS - PROG 360C-EU-741
 This document contains Type I OS program listings and DOS/OS PTF listings.
 Microfiche, 3/76
 Available via SLSS under BOF.
- 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
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- GJD1-2100
EMULATOR FOR 1401/1440/1460 ON THE SYSTEM/370 MODEL 155 UNDER OS MICROFICHE LISTING - PROG. NO. 360C-EU-735
 Contains Type I OS program listings as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- GJD1-2150
EMULATOR FOR THE IBM 1410/7010 ON THE SYSTEM/370 MODEL 155 UNDER OS - PROG. 360C-EU-736, LISTINGS
 No abstract available.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- GJD1-4601
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
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- GJD1-4602
S/370 USING DOS/VS IBM EMULATOR FOR HW S200, LISTINGS PROG. NO. 5799-ADT
 Microfiche assembly listings of IBM emulator for Honeywell series 200 on S/370 using DOS/VS.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- GJD1-4603
S/370 USING DOS/VS IBM EMULATOR FOR RCA 301, LISTINGS PROG. NO. 5799-ADR
 Microfiche assembly listings of IBM emulator for RCA 301 on S/370 using DOS/VS.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- 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
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- 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
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- SJD2-0020
OS/VS2 IEHINIT (5742-SC1-UD)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 5 cards
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- 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
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- 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
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- SJD2-0050
OS/VS2 IEEDIT (5742-SC1-U9)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 3 cards
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- 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
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- 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
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- 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
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- 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
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- 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
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- 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
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- 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
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- 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
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- 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
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- 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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-0180
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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-0190
OS/VS2 IEBUPDTE (5742-SC1-U8)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 8 cards
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-0200
OS/VS2 IEBPTCH (5742-SC1-UA)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 6 cards
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-0220
OS/VS2 IEBISAM (5742-SC1-UH)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 10 cards
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
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SJD2-0430
OS/VS2 GTF (5742-SC1-11)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 80 cards
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-0460

OS/VS2 AMDSADMP (5742-SC1-15)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 9 cards
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-0470

OS/VS2 AMAPTFLE (5742-SC1-16)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 6 cards
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
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SJD2-0530

OS/VS2 EXTENDED SVC ROUTER (5742-SC1-CF)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 2 cards
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
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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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-0580

OS/VS2 IEBTCRIN (5742-SC1-UG)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
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 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-0730

OS/VS2 TSO SUBRTN TCAM (5742-SC1-T8)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 9 cards
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-0750

OS/VS2 IBCDMPRS (5742-SC1-I0)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
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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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-1190
3330/3333 MODEL #11 SUPPORT LISTINGS
COMPONENT NO. 5742-SC1-S1
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-1220
OS/VS2 VSAM LISTINGS - COMPONENT NO. 5742-SC1-DE
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-1300
OS/VS2 RELEASE 1.6 POWER WARNING FEATURE ICR 5742-SC1-0E
 Contains Type I OS program listings as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2000
IPL OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-C1
REL. 2.6
 This document contains Type I OS program listings and DOS/OS PTF listings.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2001
IOS/OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-C3
REL. 2.6
 This document contains Type I OS program listings and DOS/OS PTF listings.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2002
SUPERVISOR OS/VS1 MICROFICHE LISTING - COMPONENT
5741-SC1-C5
 This document contains Type I OS program listings and DOS/OS PTF listings.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2003
MAPPING MACROS OS/VS1 COMPONENT NO. 5741-SC1-01
 Assembled listings - 2 modules.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2009
SCHEDULER SMF OS/VS1 MICROFICHE LISTING - COMPONENT
5741-SC1-00
 This document contains Type I OS program listings and DOS/OS PTF listings.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2010
UNIT RCD ERP OS/VS1 MICROFICHE LISTING - COMPONENT
5741-SC1-CB
 This document contains Type I OS program listings and DOS/OS PTF listings.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2014
JEC5 OS/VS1 MICROFICHE LISTING - COMPONENT
NO. 5741-SC1-B0 - REL. 2.6
 This document contains Type I OS program listings and DOS/OS PTF listings.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2015
I/P STREAM CTL OS/VS1 MICROFICHE LISTING - COMPONENT
5741-SC1-B1
 This document contains Type I OS program listings and DOS/OS PTF listings.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2016
O/P STREAM CTL OS/VS1 MICROFICHE LISTING - PROGRAM
5741-SC1-B2
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as

specified in the title.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2027

MSI OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-BG
REL. 2.6
Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2028

IMCJOBQD OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-17 - REL. 2.6
Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.

Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2031

GAM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-GO
Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2033

RMS OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-CE
Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2034

OS/VS1 SYSTEM ASSEMBLER COMPONENT NO. 5741-SC1-03
Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2044

HMSADAMP OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-15 - REL. 2.6
Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2045

HMAPTFLE OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER
5741-SC1-16 - REL. 2.6
Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2049
OS/VS1 BTAM LISTINGS, SCP COMPONENT 5741-SC1-20
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 85 cards
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2053
IEBTCRIN 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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2054
CHECKPOINT RESTART OS/VS1 MICROFICHE LISTING - COMPONENT 5741-SC1-09
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2077
IBCDMPRS OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-I0, REL. 2.6
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2078
IBCDASDI MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-I1
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2085
OS/VS1 COMPONENT NO. 5741-SC1-U6, IEBCOPY, LISTINGS
 5741-SC1-U6
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2086
OS/VS1 COMPONENT NO. 5741-SC1-U7, IEGENER, LISTINGS
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2088
IEBTPCH 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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2089
OS/VS1 COMPONENT NO. 5741-SC1-UK, IEBCOMPR LISTINGS
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2091
IEBDG OS/VS1 MICROFICHE LISTING
 5741-SC1-UJ
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2092
IEHMOVE OS/VS1 MICROFICHE LISTING
 5741-SC1-UC
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2096
OS/VS1 COMPONENT, NO. 5741-SC1-U3, IEHPRGM LISTINGS
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2097
OS/VS1 COMPONENT NO. 5741-SC1-UD IEHINIT, LISTINGS
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2098
OS/VS1 COMPONENT NO. 5741-SC1-UE, IEHSTATR LISTINGS
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2099
CATALOG OS/VS1 MICROFICHE LISTING
 5741-SC1-D3
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2101
TAPE ERP/VES OS/VS1 MICROFICHE LISTING
 5741-SC1-CC REL. 3.1
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2102
IEBEDIT OS/VS1 MICROFICHE LISTING
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2105
RES (REMOTE ENTRY SYSTEM) RELEASE 2 - PROGRAM NUMBER
 5741-SC1-BB - REL. 2.6
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2106
OS/VS1 5741-SC1-18 MDPRDMP (EDIT-UTILITY PRINT DUMP)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2107
REMOTE ENTRY SERVICE ACCOUNT FACILITY RELEASE 2 - PROGRAM
NO. 5741-SC1-BC - REL. 2.6
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2108
3505/3525 RDR/PCH (READER/PUNCH) - PROGRAM NUMBER
 5741-SC1-DD
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2110
OS/VS1 5741-SC1-CP EX F/P SIMULATOR - REL. 2.6
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2111
NIP OS/VS1 LISTING, SCP COMPONENT 5741-SC1-C8
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche

SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2112

OS/VS1 DSS MICROFICHE ASSEMBLY LISTINGS - PROGRAM NUMBER 5741-SC1-10
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2113

OS/VS1 VTAM COMPONENT 5741-SC1-23 LISTINGS RELEASE 3.1
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2114

OS/VS1 IDCAMS MICROFICHE ASSEMBLY LISTINGS, 5741-SC1-DK
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2115

OS/VS1 5741-SC1-DF SENECA-3890 DOC. PROCESSOR PROGRAM LISTINGS
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2116

OS/VS1 5741-SC1-DL SHARKS-3886 OCR PROG. LISTINGS
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2118

OS/VS1 VSAM, COMPONENT NO. 5741-SC1-DE LISTINGS
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2119

OS/VS1 DSS, COMPONENT NO. 5741-SC1-10 LISTINGS
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2120

OS/VS1 COMPONENT NO. 5741-SC1-30, LISTINGS
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2121

OS/VS1 POWER WARNING FEATURE, COMPONENT NO. 5741-SC10-E
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2122

OS/VS1 ISSP, COMPONENT NO. 5741-SC1-BK LISTINGS
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2124

OS/VS1 TCAM, COMPONENT NO. 5741-SC1-21 LISTINGS
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2125

OS/VS1 TCAM LEVEL 5 OBR/SDR/EREP SUPPORT - PROGRAM NUMBER 5741-SC1-CD
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2126

OS/VS1 REL. 03.1 PROG. LISTINGS, COMPONENT NO 5741-SC1-24
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2128

OS/VS1 REL. 03.1 PROG. LISTINGS, COMPONENT NO. 5741-SC1-S1
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2129

OS/VS1 5741-SC1-19 IMCOSJOD - ASSEMBLER PROG. LISTINGS
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2131

OS/VS1 3540 DISKETTE SUPPORT - SCP COMPONENT 5741-SC1-DN
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2132

OS/VS1 MSSC PROGRAM LISTINGS, REL 4
 MSSC Microfiche - for all users
 Microfiche, 33 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2133

OS/VS1 5741-SC1-SS, RETAIL BSC ASSEMBLER PROGRAM LISTINGS
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2134

OS/VS1 TOLTEP LISTINGS, SCP COMPONENT 5741-SC1-0C
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2135

OS/VS1 1CR JOB LIST MGR LISTINGS, SPP COMPONENT 5741-SC1-BL
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2138

OS/VS1 REL 6 ANALYSIS PROGRAM 1 (AP-1) SCP 5741-SC1-31
 Listings for the above OS/VS1 and/or OS/VS2 program.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2139

OS/VS1 REL. 04.0 SC1-CI MSS ERROR RECOVERY PROG. LISTINGS
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2140

OS/VS1 JOB LIST MANAGER LISTINGS COMPONENT NO. 5741-SC1-BJ
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2141

OS/VS1 REL. 04.0 SC1-DQ MSCTC PROGRAM LISTINGS
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2142

OS/VS1 REL. 04.0 SC1-DR MSVC PROGRAM LISTINGS
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche, 48 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2143

OS/VS1 REL. 04.0 SC1-DS MSSDA PROGRAM LISTINGS
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.

Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2144

OS/VS1 REL. 04.0 SCI-DT MSS TRACE PROGRAM LISTINGS
Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
Microfiche, 8 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2145

OS/VS1 REL. 04.0 5741-SCI-DU MSS SERVICES PROGRAM LISTINGS
Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
Microfiche, 135 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2146

OS/VS1 GENERAL INDEX NEW IN REL. 05.0 - SCP COMPONENT 5741-SCI-YY
Listings for the above OS/VS1 and/or OS/VS2 program.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2147

OS/VS1 COMPONENT INDEX NEW IN REL. 05.0 - SCP COMPONENT 5741-SCI-ZZ
Listings for the above OS/VS1 and/or OS/VS2 program.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2148

OS/VS1 MSS RECOVERY MGT NEW IN REL. 05.0 - SCP COMPONENT 5741-SCI-BZ
Listings for the above OS/VS1 and/or OS/VS2 program.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2149

OS/VS1 IEBIMAGE NEW IN REL. 05.0 - SCP COMPONENT 5741-SCI-UM
Listings for the above OS/VS1 and/or OS/VS2 program.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2162

OS/VS1 SELECTABLE UNIT 3 (SSS R5, SUID 5741-603) LISTINGS
Listings for the above OS/VS1 and/or OS/VS2 program.
Microfiche, 45X Reduction, 6 cards, 4/77
SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-2419

SSP MODULES FOR OS/VS - RELEASE 3.1 LISTINGS - PROG. NO. 5744-BA2
Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

GJD2-4002

370 DOS BTAM, MICROFICHE LISTING, PROG. NO. 370N-CQ-469
Contains Type I DOS program listings as specified in the title.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4103

3705-OS/VS-ASM PROGRAM LISTING MICROFICHE INDEPENDENTLY DISTRIBUTED PROGRAM 5744-ANI
Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4104

IBM 3705 EMULATOR PROGRAM FOR VIRTUAL STORAGE - MICROFICHE PROGRAM NOS. 5735-SCI, 5744-ANI, 5747-AG1
Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

LJD2-4106

3704/5 EMULATOR PRPQ P85004 SIX BIT TRANSCODE - PROGRAM NUMBER 5799-AGA
This PRPQ provides for decoding Six Bit Transcode control characters and performing standard BSC control functions. Also included is the capability of accumulating a special CRC for Six Bit Transcode and the capability for Transparent Mode operation.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LJD2-4107

3705/4 EP PRPQ P85007 SPECIAL START-STOP - PROGRAM NUMBER 5799-AGR
This PRPQ provides for support of special start-stop equipment. Operation is in half-duplex mode at 1200 bits/second. Data is transparent; there is no checking for control characters. The Reverse Channel Feature is supported in conjunction with a hardware RPQ to the 3705.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

SJD2-4108

3704/3705 SSP - DOS/VS (5747-AG1)
This microfiche is the program listing for the IBM 3704 and IBM 3705 Communications Controllers' System Support Program under DOS/VS.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4109

3704/3705 NETWORK CONTROL PROGRAM PROGRAM LISTINGS NO. 5744-BA1
This microfiche contains the program listings for the program appearing in the title.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

GJD2-4112

3705 USASCII TRANSPARENCY (PRPQ P85009) MICROFICHE, PROG. NO. 5799-AFZ
Contains program listings as specified in the title.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4120

DOS/VS SSP MODULES, LISTINGS - PROG. NO. 5747-AJ2
Contains SCP program listings for DOS/VS as specified in the title.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4121

NCP MODULES FOR OS/VS - LISTINGS - PROG. NO. 5744-BA2
Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4122

DOS/VS NCP LISTINGS - PROG. NO. 5747-AJ2
Contains SCP program listings for DOS/VS as specified in the title.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4129

NCP 5.0, OS/VS SCP 5744-BA2
No abstract available
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4130

NCP 5.0, DOS/VS SCP 5747-AJ2
No abstract available
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4131

EP 3.0 OS/VS SCP 5744-ANI
No abstract available.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4132

EP 3.0, DOS/VS SCP 5747-AG1
No abstract available
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4200

OS/VS RELEASE 03.7 SYSTEM CROSS REFERENCE
Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4201

OS/VS2 RELEASE 02.0 SYSTEM CROSS REFERENCE SAMPLE SYSGEN INDEX
Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4230

OS/VS2 RELEASE 020 JES2 5752-SC1-BH
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4240

OS/VS2 RELEASE 020 EXTERNAL WRITER 5752-SC1-B2
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4250

OS/VS2 RELEASE 020 SCHED RESTART 5752-SC1-B3
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4260

OS/VS2 RELEASE 020 ALLOC/UNALLOCATE 5752-SC1-B4
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4270

OS/VS2 RELEASE 020 SWA MANAGER 5752-SC1-B5
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4280

OS/VS2 RELEASE 020 INITIATOR LISTINGS
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 MICROFICHE
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4300

OS/VS2 RELEASE 020 MSTR SCHLOR CMDS 5752-SC1-B8
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4310

OS/VS2 RELEASE 020 CONV/INTERPRETER 5752-SC1-B9
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4320

OS/VS2 RELEASE 020 DASD ERP 5752-SC1-CA
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4330

OS/VS2 RELEASE 020 UNIT RECORD ERP 5752-SC1-CB
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4340

OS/VS2 RELEASE 020 TAPE ERP/VES 5752-SC1-CC
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4350

OS/VS2 RELEASE 020 OBR/EREP/RDE 5752-SC1-CD
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4360

OS/VS2 RELEASE 020 RMS 5752-SC1-CE
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4370

OS/VS2 RELEASE 020 EXTEND SVC ROUTER 5752-SC1-CF
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4380

OS/VS2 RELEASE 020 SVC 109 5752-SC1-CG
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4390

OS/VS2 RELEASE 020 VIRT STORAGE MAN 5752-SC1-CH
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4400

OS/VS2 RELEASE 020 CONTENTS SUPER VSR 5752-SC1-CJ
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4410

OS/VS2 RELEASE 20 COMMUNICATOR TASK 5752-SC1-CK
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4420

OS/VS2 RELEASE 020 TASK MAN 5752-SC1-CL
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4430

OS/VS2 RELEASE 020 RECOVERY TERMIN 5752-SC1-CM
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4440

OS/VS2 RELEASE 020 EXT PREC FLT PT S 5752-SC1-CN
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4450

OS/VS2 RELEASE 020 MF/1 5752-SC1-CO
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4460

OS/VS2 RELEASE 020 REAL STORAGE MAN 5752-SC1-CR
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4470

OS/VS2 RELEASE 020 REG CONTROL TASK 5752-SC1-CU
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4480

OS/VS2 RELEASE 020 TIMER SUPER VISION 5752-SC1-CV
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4490

OS/VS2 RELEASE 020 AUX STORAGE MAN 5752-SC1-CW
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4500
OS/VS2 RELEASE 020 SYS RESRC MGR 5742-SC1-CX
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4510
OS/VS2 RELEASE 020 RASIX PART TREE S 5752-SC1-CY
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4520
OS/VS2 RELEASE 020 MP RECONFIG 5752-SC1-CZ
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4540
OS/VS2 RELEASE 020 OVERLAY SUPER VSR 5752-SC1-C2
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4550
OS/VS2 RELEASE 020 IOS 5752-SC1-C3
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4560
OS/VS2 RELEASE 020 DIDOCS 5752-SC1-C4
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4570
OS/VS2 RELEASE 020 SUPERVISOR CONTROL 5752-SC1-C5
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4580
OS/VS2 RELEASE 020 EXCP 5752-SC1-C6
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4590
OS/VS2 RELEASE 020 FETCH 5752-SC1-C7
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4600
OS/VS2 RELEASE 024 NIP 5752-SC1-C8
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4610
OS/VS2 RELEASE 020 IPL 5752-SC1-C9
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4620
OS/VS2 RELEASE 020 BLOCK PROCESSOR LISTINGS, COMPONENT NO. 5752-SC1-DA
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4630
OS/VS2 RELEASE 020 SAM SUBSYS INTERFACE LISTINGS, COMPONENT NO. 5752-SC1-DB
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4640
OS/VS2 RELEASE 020 PASSWORD PROTECT LISTINGS, COMPONENT NO. 5752-SC1-DC
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4650
OS/VS2 RELEASE 020 3505/3525 READER PUNCH SUPPORT LISTINGS (5752-SC1-DD)
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Fiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4660
OS/VS2 RELEASE 020 VSAM/VSAM CATALOG LISTINGS COMPONENT NO. 5752-SC1-DE
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4670
OS/VS2 RELEASE 020 3890 DOCUMENT PROCESSOR LISTINGS, COMPONENT NO. 5752-SC1-DF
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4680
OS/VS2 RELEASE 020 VBP LISTINGS, COMPONENT NO. 5752-SC1-DG
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4690
OS/VS2 RELEASE 020 CATALOG CONTROLLER 3 LISTINGS, COMPONENT NO. 5752-SC1-DH
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4700
OS/VS2 RELEASE 020 WINDOW INTERCEPT LISTINGS, COMPONENT NO. 5752-SC1-DJ
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4710
OS/VS2 RELEASE 020 ACCESS METHOD SERVICES COMPONENT NO. 5752-SC1-DK
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4720
OS/VS2 RELEASE 020 3886 OCR LISTINGS, COMPONENT NO. 5752-SC1-DL
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4730
OS/VS2 RELEASE 020 SAM LISTINGS, COMPONENT NO. 5752-SC1-DO
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4740
OS/VS2 RELEASE 020 OPEN/CLOSE/EOV LISTINGS, COMPONENT NO. 5752-SC1-DI
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4750
OS/VS2 RELEASE 020 PAM LISTINGS, COMPONENT NO. 5752-SC1-D2
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4770

OS/VS2 RELEASE 020 DADSM 5752-SC1D4
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4780

OS/VS2 RELEASE 020 OCR 5752-SC1D5
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4790

OS/VS2 RELEASE 020 MICR 5752-SC1D6
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4800

OS/VS2 RELEASE 020 DAM 5752-SC1-D7
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4810

OS/VS2 RELEASE 020 ISAM 5752-SC1D8
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4820

OS/VS2 RELEASE 020 GAM 5752-SC1G0
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4830

OS/VS2 RELEASE 020 IBCDMPRS 5752-SC1I0
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4840

OS/VS2 RELEASE 020 IBCDASDI 5752-SC1-I1
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4850

OS/VS2 RELEASE 020 ICAPRTBL 5752-SC1-I2
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4860

OS/VS2 RELEASE 020 TSO EDIT 5752-SC1-T0
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4870

OS/VS2 RELEASE 020 TSO TEST 5752-SC1-T1
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4880

OS/VS2 RELEASE 020 TSO UTILITIES 5752-SC1T2
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4890

OS/VS2 RELEASE 020 TSO TIOC 5752-SC1-T3
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4900

OS/VS2 RELEASE 020 TSO SCHEDULER 5752-SC1-T4
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4910

OS/VS2 RELEASE 020 LINK LOADGO PROMP 5752-SC1-T5
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4920

OS/VS2 RELEASE 020 TSO TCAM SUBROUTINES
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4930

OS/VS2 RELEASE 020 DEBPTPCH 5752-SC1-UA
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4940

OS/VS2 RELEASE 020 IEHMOVE 5752-SC1-UC
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4950

OS/VS2 RELEASE 020 IEHINITT 5752-SC1-UD
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4960

OS/VS2 RELEASE 020 IEHSTATR 5752-SC1-UE
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SJD2-4970

OS/VS2 RELEASE 020 IEHATLAS 5752-SC1-UF
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OS/VS2 NJE FOR JES2, LISTINGS - LIC PROG 5740-XR8
 Listings for the above OS/VS1 and/or OS/VS2 program.
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DOS/VS PTF COMP OF SBOF-6440 PROGRAM ID 5745
 Included is PTF number 5745-01414-3.
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 Available via SLSS under BOF.
- 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
 360,370//14//2501/
- GL21-9225
IBM 7460-4 STUB CARD READER RPQ EE7595 INSTALLATION MANUAL-- PHYSICAL PLANNING
 This manual provides the dimensions, weight, power requirements, operating and non-operating environment, heat output, and a plan view for the IBM 7460 Model 4 Stub Card Reader.
 Manual, 4 pages
 //15//7460/
- 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
 //15//2914/
- GL22-6937
SYSTEM/360 AND SYSTEM/370 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.
Manual, 19 pages
360,370//14//2914/

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
360,370//14//2947/

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
//15//2947/

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 communication 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
360,370//14//7441,1980/

GL22-7025

2914 STORAGE CONTROL INTERFACE SWITCH MODEL 2 (RPQ 8P0290) PRODUCT DESCRIPTION AND PHYSICAL PLANNING

This publication provides systems engineers with both introductory and reference information about the IBM 2914. It includes the characteristics, operation, and physical planning information about the 2914, an operator-controlled facility for switching storage devices of the IBM System/360 Model 195 and System/370 Models 115 through 195.

Manual, 28 pages
360,370//14//2914/

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
360,370//14//2946,4505/

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 Reservation 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
//15//2946/

GL24-3618

2956 MODEL 8 CARD READER RPQ 810582 CUSTOM UNIT DESCRIPTION AND PHYSICAL PLANNING

The 2956 Model 8 Card Reader is a punched card input (manual) to the IBM 3270 information display system.

This Manual describes the 2956 Model 8-its operation and physical planning. The reader should have a basic knowledge of punched cards and the IBM 3277 Display Station.

Manual, 8 pages
//14//2956/

GL24-3628

IBM 3203 BOOK BRAILLE PRINTING FEATURE RPQ S00293 DESCRIPTION AND OPERATOR'S GUIDE CUSTOM FEATURE

This publication contains the description and operating information for the interchangeable device (RPQ S00293) that converts an IBM 3203 Printer to braille printing. For the description and operation of the IBM 3203 Printer, refer to IBM 3203 Printer Component Description and Operator's Guide, Order No. GA33-1515.

Manual, 12 pages (5/75)
//14//3203/

GL24-3629

IBM 3203 PROGRAMMER BRAILLE PRINTING RPQ S00305 CUSTOM FEATURE DESCRIPTION AND OPERATOR'S GUIDE

This publication contains the description and operating information for the RPQ feature that converts an IBM 3203 Printer to braille printing using (through programming) the period on the standard train cartridge. For the description and operation of the IBM 3203 Printer, refer to IBM 3203 Printer Component Description and Operator's Guide, Order No. GA33-1515.

Manual, 12 pages (5/75)
//14//3203/

SQB8-0606

OS/VS2 DATA AREAS: REL 2, 3, 3.6 (SYB8-0606-2)

This microfiche is equivalent to SYB8-0606-2.
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OS/VS1 RELEASE 2 5741-SC1-C5 - SUPERVISOR

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Manual, 8 1/2 x 11 inches, 156 pgs, 5/76

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OS/VS CHECK POINT/RESTART: VS2 REL 2 (GC26-3784-4)
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Manual, 88 pages
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GQ26-3791

OS/VS1 SYSTEM GENERATOR REFERENCE
This publication is equivalent to GC26-3791-1 and with INL's GN26-0762 and GN26-0764 is for use with OS/VS1 Release 2.0.
Manual
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GQ26-3792

OS/VS2 SYSTEM GENERATION REFERENCE: VS2 REL 1.6, 1.7 (GC26-3792-1)
This manual is equivalent to GC26-3792
Manual, 34 pages
//34//5742

- GQ26-3813
OS/VS LINKAGE EDITOR AND LOADER: VS1 REL 4;
VS2 REL 2, 3, 3.6 (GC26-3813-3)
 This manual is equivalent to GC26-3813-4.
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(GC26-3819-1)
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(GC26-3837-1)
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OS/VS2 RELEASE 1.6 GUIDE (GC28-0601-1)
 This manual is equivalent to GC28-0601-1.
 Manual, 104 pgs
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 This manual is equivalent to GC28-0604-2.
 Manual, 220 pages
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 with OS/VS1 Release 1 and VS2 Release 1.
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(GC28-0638-1)
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 Manual, 37 pages
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COMMAND PROCESSOR: REL 2, 3, 3.6 (GC28-0648-1)
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 Manual, 316 pages
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 This manual is equivalent to GC28-0677-3.
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VS2 REL 3, 3.6, 3.7) (GC30-3008-3)
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 This manual is equivalent to GC33-5381-2.
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OPERATORS LIBRARY, OS/VS1 (RES) REFERENCE, RELEASE 2.0, 2.6
 Back issue of GC24-0110-2.
 Manual
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- 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.
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 This manual is equivalent to GC38-0210-1.
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MSS MESSAGES: VS1 REL 5, VS2 REL 3.7 (GC38-1000-2)
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OS/VS MESSAGE LIBRARY: VS1 SYSTEM MESSAGE, RELEASE 2.0, 2.6
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- GQ38-1002
OS/VS2 SYSTEM MESSAGES: REL 2 (GC38-1002-2)
 This manual is equivalent to GC38-1002-2.
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- GQ38-1003
OS/VS1 MESSAGE LIBRARY: SYSTEM CODES, RELEASE 2.0, 2.6
 Back issue of GC38-1003-2.
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- 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
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OS/VS MESSAGE LIBRARY UTILITIES MESSAGES
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OS/VS MESSAGE LIBRARY: SERVICE AIDS AND OLTEP MESSAGES
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 This manual is equivalent to GC38-1008-1.
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IMS/VS VERSION 1 GENERAL INFORMATION PROG PROD 5740-XX2 R1.1.1 REFERENCE
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OS DATA MANAGEMENT MACRO LOGIC FOR 1285/1287/1288 VS2 REL 1.6, 1.7 (GY21-0013-1)
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OS/VS1 IPL AND NIP LOGIC - RELEASE 2.0, 2.6
 Back issue of SY24-5160-1.
 Manual
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- SQ64-5161
OS/VS1 JOB MANAGEMENT LOGIC - RELEASE 2.0, 2.6
 Back issue of SY24-5161-1.
 Manual
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- 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.
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OS/VS DADSM LOGIC: VS2 REL 1.6, 1.7 (SY26-3787-1)
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OS/VS2 TSO COMMAND PROCESSOR LOGIC VOLUME IV: REL 2 (SY28-0652-1)
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This manual is equivalent to SY28-0669-2.
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Manual
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This manual is equivalent to SY28-6849-01.
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SQ75-0010

OS/VS2 ACCESS METHOD SERVICES LOGIC: REL 3, 3.6 (SY35-0010-1)
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are conceptual and need not be reviewed if the student is familiar with terminal concepts. Self evaluation quizzes are provided to test concepts. Terminal types include; 2740, 2770, 2780/3780, 3735, and 3270.
 Manual, 175 pages
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TSO COMMAND LANGUAGE FOR APPLICATION PROGRAMMERS - A PRIMER TERMINAL-ORIENTED SELF-STUDY TEXT
 A subset of the TSO Command Language related to an applications programmer is presented in this text for use at a terminal by a student having a basic knowledge of FORTRAN, COBOL, or PL/1. The non-professional programmer (problem-solver) should use the ITF:PL/1, ITF:BASIC, or Code-and-Go FORTRAN texts. The teaching strategy is to guide the student through the entire task which he generally performs (create test data, write programs, compile and execute programs, and re-cycle as necessary). Provided for an application programmer who has used at least one programming language. He may or may not be familiar with the Operating System. Prerequisites:
 1. A knowledge of how to use the type of terminal that will be used in conjunction with this text.
 2. A general knowledge of the higher-level programming language which will be used (FORTRAN, COBOL, or PL/1).
 3. Availability of a terminal on-line to a TSO system.
 Terminal Oriented Self-study Text, 60 pages
 NOT AVAILABLE UNDER SLSS

SR20-4460

IBM SYSTEM/370 OPERATOR'S REFERENCE GUIDE
 This manual is intended for System 370 operators of all levels and models.
 Topics include: problem determination chart, S/370 general information, CPU manual procedures for Models 115 to 195, operator commands (for OS/VS1 and VS2, DOS/VS and POWER, VM 370, RES, etc.), IPL procedures for DOS/VS and OS/VS1 and VS2, I/O devices information (status and sense bytes, restart procedures, operating hints), and utilities information. Also provided are a glossary, bibliography, and index.
 Manual, 310 pages
 AVAILABLE BY FORM NUMBER ONLY

SR20-4194

TSO COMMAND LANGUAGE FOR ADMINISTRATIVE APPLICATIONS A PRIMER: TERMINAL-ORIENTED SELF-STUDY TEXT
 The objective of this self-study modular terminal oriented text is to teach the student how to use the TSO Command Language, at an IBM 2741 terminal, for data entry and text editing.
 The student is defined as a typist, secretary or card punch operator.
 Upon completion of the text and having successfully performed the terminal exercises the student, depending upon the modules selected, should be able to use the TSO Command Language at a 2741 terminal to perform at least one or more of the following jobs:
 o Enter, save, and list coded source program statements. Modify the program after it has been entered.
 o Enter, save, and list data, (Names, Addresses, Part Numbers, etc.) Modify the data after it has been entered.
 o Enter, save, and list text. Modify the text after it has been entered.
 o Produce a formatted output of an unformatted text entry.
 Terminal Oriented Self-study Text, 170 pages
 NOT AVAILABLE UNDER SLSS

SR20-4513

ADVANCED FUNCTION NCP DATA FLOW - COURSE CODE S3851
 This text provides the module flow and control block relationships for an NCP and SDLC devices to enable dump reading and debugging capability.
 Manual, 128 pages, 7/5
 NOT AVAILABLE UNDER SLSS

SR20-4544

IBM 3704 AND 3705 COMMUNICATIONS CONTROLLERS HARDWARE STUDENT TEXT
 This text is used in conjunction with other texts in this course. A quiz is provided for each major topic. Topics include; hardware concepts, central control unit, channel adapters, and communication scanners.
 Manual, 120 pages, 2/76
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SR20-4546

3704, 3705 COMMUNICATIONS CONTROLLERS EMULATION PROGRAMMING COURSE CODE G3689, STUDENT TEXT
 No abstract available.
 Manual, 94 pages

SR20-4547

3704 AND 3705 COMMUNICATIONS CONTROLLERS EMULATION DATA FLOW STUDENT TEXT - COURSE CODE G3689
 This text, to be used during conduct of the class, discusses control blocks and emulation data flow. A student quiz is included which requires identification of entries on a provided emulation dump.
 Text, 56 pages, 5/76
 NOT AVAILABLE UNDER SLSS

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

GR29-0296

IBM 3705 EMULATION - REFERENCE CARD
 This reference summary will be updated from time to time; however, the basic documentation is the authoritative source and will be the first to reflect changes. Information herein is extracted from the Guide to Using the IBM 3704 Communications Controller Control Panel (GA27-3086), Guide to Using the IBM 3705 Communications Controller Control Panel (GA27-3087), IBM 3704 and 3705 Communications Controller Principles of Operation (GC30-3004), and the IBM 3704 and 3705 Program Reference Handbook (GY30-3012).
 Reference card, 8 pages
 //09//3704,3705/

SR20-4438

CMS FOR PROGRAMMERS -- A PRIMER: (VM/370) TERMINAL-ORIENTED SELF-STUDY TEXT
 This terminal oriented self-study text is intended to be an introduction to CMS the Conversational Monitor System for the programmer who performs the function of coding, testing, debugging, and documenting applications for data processing. It is assumed that the individual using this text already has a knowledge of a programming language (Assembler, COBOL, FORTRAN, or PL/I), an operating familiarity with the terminal to be used, and a VM/370 system with the terminal attached.
 The text is divided into 5 major areas:
 Gaining Access to VM/370
 Creating and Maintaining Data Files
 Program Development and Execution
 Program Debugging
 Program Documentation
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IEHATLAS OS/VS1 LISTING, COMPONENT NO. 5741-SC1-UF,
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RELEASE 4.0
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RELEASE 4.0, LISTING
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OS/VS1 EX F/P SIMULATOR COMPONENT NO. 5741-SC1-CP LISTING,
RELEASE 4.0
 This publication is equivalent to SJD2-2110-4.
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VTAM OS/VS1 LISTINGS COMPONENT 5741-SC1-23, RELEASE 4.0
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OS/VS1 SENECA-3890 DOCUMENT PROCESSOR LISTINGS,
COMPONENT NO. 5741-SC1-DF, RELEASE 4.0
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OS/VS1 SHARKS-3886 OCR COMPONENT NO. 5741-SC1-DL,
RELEASE 4.0
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OS/VS1 ISSP, COMPONENT NO. 5741-SC1-BK LISTINGS, RELEASE 4.0
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OS/VS1 IMCOSJQD COMPONENT NO. 5741-SC1-19 LISTINGS, RELEASE 4.0
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GT20-1807

VM/370 REL 2 SYSTEM PROGRAMMER'S GUIDE (GC20-1807-3)
This manual is equivalent to GC20-1807-3.
Manual, 400 pages
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OS/VS1 3540 DISKETTE COMPONENT NO. 5741-SC1-DN LISTINGS, RELEASE 4.0
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GT20-1808

VM/370 SYSTEM MESSAGES; REL 2 (GC28-1808-5)
This manual is equivalent to GC20-1808-5.
Manual, 345 pages
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OS/VS1 TOLTEP COMPONENT NO. 5741-SC1-0C LISTINGS, RELEASES 3.1, 4.0
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GT20-1809

VM/370 REL 3 PLC1 OLTSEP & ERROR RECORDING GUIDE (GC20-1809-4)
This publication is equivalent to GC20-1809-04
Manual, 228 pages
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ST00-5343

OS/VS1 MSS ERROR RECOVERY LISTINGS, COMPONENT NO. 5741-SC1-CI, RELEASE 4.0
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GT20-1810

VM/370 REL 2 TERMINAL USER'S GUIDE (GC20-1810-4)
This manual is equivalent to GC20-1810-4.
Manual, 91 pages
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OS/VS1 JOB LIST MANAGER LISTINGS, COMPONENT NO. 5741-SC1-BJ, RELEASE 4.0
This publication is equivalent to SJD2-2140-3.
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GT20-1812

VM/370 REL 2 EXEC USER'S GUIDE (GC20-1812-1)
This manual is equivalent to GC20-1812-1. (Release 3 information is now in GC20-1818 and GC20-1819.)
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MSCTC OS/VS1 COMPONENT NO. 5741-SC1-DQ LISTINGS, RELEASE 4.0
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GT20-1813

VM/370 GLOSSARY AND MASTER INDEX: REL 2 (GC20-1813-2)
This publication is equivalent to GC20-1813-2.
Manual, 116 pages, 5/75
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OS/VS1 MSSDA COMPONENT NO. 5741-SC1-DS LISTINGS, RELEASE 4.0
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GT20-1815

VM/370 RELEASE 2 GUIDE (GC20-1815-0)
This manual is equivalent to GC20-1815-1.
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IEHDASDR OS/VS1 LISTING, COMPONENT NO. 5741-SC1-U0, RELEASE 4.0
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GT20-1816

VM/370 RSCS USER'S GUIDE: RELEASE 2 (GC20-1816-0)
This manual is equivalent to GC20-1816-0.
Manual, 116 pages
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VS1 REL 4 INDEX
This publication is equivalent to SJD2-2117-04.
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GT20-1820

VM/370 CP COMMAND REFERENCE FOR GENERAL USERS: REL 3 PLC1 (GC20-1820-0)
This manual is equivalent to GC20-1820-0.
Manual, 160 pages
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GT20-1800

VM/370 INTRODUCTION: REL 3 PLC1 (GC20-1800-5)
This publication is equivalent to GC20-1800-05.
Manual, 64 pages
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GT20-1821

VM/370 REL 3 PLC1: OPERATING SYSTEMS IN A VIRTUAL MACHINE (GC20-1821-0)
This publication is equivalent to GC20-1821-0.
Manual, 248 pages, 2/76
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GT20-1801

VM/370 PLANNING & SYSGEN GUIDE: REL 3 PLC1 (GC20-1801-5)
This publication is equivalent to GC20-1801-5.
Manual, 526 pages, 2/76
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GT20-1823

VM/370 IPCS USER'S GUIDE (GC20-1823-0: REL 2; WITH GN20-2679, REL 3)
This publication is equivalent to GC20-1823-0.
Manual
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GT20-1804

VM/370 REL 2 COMMAND LANGUAGE GUIDE FOR GENERAL USERS (GC20-1804-4)
This manual is equivalent to GC20-1804-4. (Release 3 information is now in GC20-1818, GC20-1819, and GC20-1820.)
Manual
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GT21-5097

OS & OS/VS PROGRAMMING SUPPORT FOR 3505 CARD READER & 3525 CARD PUNCH: VS2 REL 1.6, 1.7, 2 (GC21-5097-0)
This manual is equivalent to GC21-5097-00.
Manual
370//30//3505,3525/5742

GT20-1805

VM/370 REL 2 EDIT GUIDE (GC20-1805-4)
This manual is equivalent to GC20-1805-4. (Release 3 information is now in GC20-1818 and GC20-1819.)
Manual
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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
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GT20-1806

VM/370 REL 3 PLC1 OPERATOR'S GUIDE (GC20-1806-6)
This publication is equivalent to GC20-1806-06.
Manual, 288 pages

GT24-5091

OS/VS PROGRAMMER'S REFERENCE DIGEST: VS2 REL 1.6, 1.7 (GC24-5091-2)
Back issue of GC24-5091-2.
Reference Digest
//36//5742

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
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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
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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
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GT24-5107

OS/VS2 3540 PROGRAMMER'S REFERENCE: REL 1.6, 1.7, 2 (GC24-5107-0)

This manual is equivalent to GC24-5107-00.
Manual
//30//3540/5742

GT24-5115

OS/VS1 SYSTEM MANAGEMENT FACILITIES: REL 5 (GC24-5115-0)

This manual is equivalent to GC24-5115-0.
Manual, 156 pages
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GT26-3783

OS/VS DATA MANAGEMENT SERVICES GUIDE: VS2 REL 1.6, 1.7 (GC26-3783-2)

This manual is equivalent to GC26-3783-2.
Manual
//30//5742

GT26-3784

OS/VS CHECKPOINT RESTART: VS2 REL 1.6, 1.7 (GC26-3784-2)

This manual is equivalent to GC26-3784-2.
Manual
//36//5742

GT26-3790

OS/VS SYSTEM GENERATION INTRODUCTION: VS 2 REL 1.6, 1.7 (GC26-3790-1)

This manual is equivalent to GC26-3790-1.
Manual
//34//5742

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
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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
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GT26-3795

OS/VS TAPE LABELS: VS2 REL 1.6, 1.7 (GC26-3795-1)

This manual is equivalent to GC26-3795-1.
Manual
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GT26-3813

OS/VS LINKAGE EDITOR AND LOADER: VS2 REL 1.6, 1.7 (GC26-3813-1)

This manual is equivalent to GC26-3813-1.
Manual
//31//5742

GT26-3818

OS/VS VSAM PROGRAMMER'S GUIDE: VS2 REL 1.6, 1.7 (GC26-3818-0)

This manual is equivalent to GC26-3818-0.
Manual
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GT26-3819

OS/VS VSAM OPTIONS FOR ADVANCED APPLICATIONS: VS2 REL 1.6, 1.7 (GC26-3819-0)

Back issue of GC26-3819-0.
Manual
//30//5742

GT26-3830

OS/VS2 DATA MANAGEMENT: REL 2 (GC26-3830-0)

This manual is equivalent to GC26-3830-0.
Manual, 124 pages
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GT26-3836

OS/VS2 ACCESS METHOD SERVICES: REL 2 (GC26-3836-1)

This manual is equivalent to GC26-3841-0.
Manual, 290 pages
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GT26-3838

OS/VS VSAM PROGRAMMER'S GUIDE: VS2 REL 2 (GC26-3838-0)

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GT26-3840

OS/VS1 ACCESS METHOD SERVICES: REL 4 (GC26-3840-0)

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GT26-3841

OS/VS2 ACCESS METHOD SERVICES: RELEASE 3, 3.6 (GC26-3841-0)

This manual is equivalent to GC26-3841-0.
Manual, 290 pages
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GT26-3842

PLANNING FOR ENHANCED VSAM UNDER OS/VS: VS2 REL 2, 3, 3.6 (GC26-3842-0)

This manual is equivalent to GC26-3842-1.
Manual, 100 pages
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GT27-0021

DOS/VS VTAM DEBUGGING GUIDE: REL 32 (GC27-0021-0)

This publication is equivalent to GC27-0021-0
Manual, 8 1/2 x 11 inches, 208 pages, 8/75
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GT27-0025

DOS/VS VTAM NETWORK OPERATING PROCEDURES: REL 32 (GC27-0025-0)

This manual is equivalent to GC27-0025-0.
Manual, 124 pages
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GT27-0027

OS/VS VTAM NETWORK OPERATING PROCEDURES: VS1 REL 5 (GC27-0027-0)

This publication is equivalent to GC27-0027-0.
Manual, 112 pages, 11/75
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GT27-0036

SUPPLEMENT TO THE VTAM MACRO LANGUAGE GUIDE FOR THE PROGRAM OPERATOR: MVS; VS1 (GC27-0036-0)

This publication is equivalent to GC27-0036-0.
Manual, 84 pages
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GT27-6979

OS/VS SUPERVISOR SERVICES AND MACRO INSTRUCTIONS: VS2 REL 1.6, 1.7 (GC27-6979-2)

This manual is equivalent to GC27-6972-2.
Manual, 36 pages
//36//5742

GT27-6980

OS/VS BTAM: VS2 REL 1.6, 1.7, 2 (GC27-6980-0)

This manual is equivalent to GC27-6980-0, GN27-1397-0.
Manual
/C/30//5742

GT27-6994

VTAM MACRO LANGUAGE GUIDE: VS2 REL 2 (GC27-6994-0)

This manual is equivalent to GC27-6994-0.
Manual
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GT27-6995

VTAM MACRO LANGUAGE REFERENCE: VS2 REL 2 (GC27-6995-2)

This manual is equivalent to GC27-6995-2.
Manual
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GT27-6996

OS/VS1 VTAM SYSTEM PROGRAMMER'S GUIDE: REL 4 (GC27-6996-0)
 This manual is equivalent to GC27-6996-1.
 Manual, 183 pages
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GT27-6997

VTAM NETWORK OPERATING PROCEDURES: VS1 REL 4; VS2 REL 3, 3.6; DOS/VS REL 30-32 (GC27-6997-3)
 This manual is equivalent to GC27-6997-3.
 Manual, 100 pages, 11/75
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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
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GT28-0604

OS/VS2 STORAGE ESTIMATES: VS2 REL 1.6, 1.7 (GC28-0604-0)
 This manual is equivalent to GC28-0604-0.
 Manual
 //34//5742

GT28-0608

OS/VS2 JES3 MACRO INSTRUCTIONS: REL 3, 3.6 (GC28-0608-0)
 This manual is equivalent to GC28-0608-0.
 Manual, 364 pgs
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GT28-0618

OS/VS JCL REFERENCE: VS2 REL 1.6, 1.7 (GC28-0618-2)
 This manual is equivalent to GC28-0618-2.
 Manual
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GT28-0627

OS/VS2 SYS PROG LIBRARY: JOB MANAGEMENT: REL 3, 3.6 (GC28-0627-0)
 This manual is equivalent to GC28-0627-0.
 Manual
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GT28-0628

OS/VS2 SYS PROG LIBRARY: SUPERVISOR: REL 3, 3.6 (GC28-0628-0)
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GT28-0629

OS/VS2 SYS PROG LIBRARY: TSO: REL 3, 3.6 (GC28-0629-0)
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GT28-0631

OS/VS DATA MANAGEMENT FOR SYSTEM PROGRAMMERS: VS2 REL 1.6, 1.7 (GC28-0631-2)
 This manual is equivalent to GC28-0631-2.
 Manual
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GT28-0632

OS/VS2 DEBUGGING GUIDE: REL 1.6, 1.7 (GC28-0632-0)
 This manual is equivalent to GC28-0632-1, TNL GN28-2560-0.
 Manual
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GT28-0633

OS/VS SERVICE AIDS: VS2 REL 1.6, 1.7 (GC28-0633-1)
 This manual is equivalent to GC28-0663-1.
 Manual
 //37//5742

GT28-0636

OS/VS OLTEP
 This manual is equivalent to GC28-0636-00 and is for use with OS/VS1 Release 1.
 Manual, 76 pages
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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
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GT28-0640

OS/VS DYNAMIC SUPPORT SYSTEM: VS2 REL 1.6, 1.7 (GC28-0640-0)
 This manual is equivalent to GC28-0640.
 Manual
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GT28-0644

OS/VS2 TSO GUIDE: REL 1.6, 1.7 (GC28-0644-0)
 This document is equivalent to GC28-0644-0. There is no later version. 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:
 The capabilities and advantages of time sharing in general and TSO in particular.
 The programming languages and system facilities available to a TSO terminal user.
 The system configuration TSO requires.
 How to generate and maintain a TSO system.
 Program Products available with TSO.
 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
 //39//5742

GT28-0645

OS/VS2 TSO TERMINAL USER'S GUIDE: REL 1.6, 1.7 (GC28-0645-0)
 This manual is equivalent to GC28-0645-0.
 Manual
 //39//5742

GT28-0646

OS/VS2 TSO COMMAND LANGUAGE REFERENCE: VS2 REL 1.6, 1.7 (GC28-0646-0)
 This manual is equivalent to GT28-0646-1.
 Manual
 //39//5742

GT28-0648

OS/VS2 TSO GUIDE TO WRITING A TERMINAL MONITOR PROGRAM OR A COMMAND PROCESSOR: VS2 REL 1.6, 1.7 (GC28-0648-0)
 This manual is equivalent to GC28-0648-0.
 Manual
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GT28-0663

TOLTEP FOR VTAM: VS2 REL 2, 3 (GC28-0663-0)
 This manual is equivalent to GC28-0663-0
 Manual, 60 pages
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GT28-0665

OS/VS1 SERVICE AIDS: REL 4 (GC28-0665-0)
 This manual is equivalent to GC28-0665-1.
 Manual
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GT28-0666

OS/VS1 OLTEP - RELEASE 2.0, 2.6
 Back issue of GC28-0666-0.
 Manual
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GT28-0667

OS/VS2 PLANNING AND USE GUIDE: REL 2 (GC28-0667-0)
 This manual is equivalent to GC28-0667-0.
 Manual, 34 pages
 //34//5742

GT28-0674

OS/VS2 SYS PROG LIBRARY: SERVICE AIDS: REL 2, 3, 3.6 (GC28-0674-0)
 This manual is equivalent to GC28-0674-1.
 Manual, 252 pages
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GT28-0675

OS/VS2 OLTEP: REL 2, 3, 3.6 (GC28-0675-0)
 This manual is equivalent to GC28-0675-1.
 Manual
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GT28-0677

OS/VS2 SYS1.LOGREC ERROR RECORDING: REL 2 (GC28-0677-0)
 This manual is equivalent to GC28-0677-0.
 Manual, 124 pages
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- GT28-0681
OS/VS2 INITIALIZATION AND TUNING GUIDE: REL 2 (GC28-0681-0)
This manual is equivalent to GC28-0681-0.
Manual, 187 pages
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- GT28-0682
OS/VS2 JOB MANAGEMENT, SUPERVISOR, & TSO: VS2 REL 2
(GC28-0682-0)
(GC28-0682-0)
This manual is equivalent to GC28-0682-0.
Manual, 187 pages
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- GT28-0688
OS/VS2 MVS SYS PROG LIB: VTAM: VS2 REL 3, 3.6 (GC28-0688-0)
This manual is equivalent to GC28-0688-1.
Manual
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- GT28-0689
OS/VS2 CONVERSION NOTEBOOK: REL 2 (GC28-0689-1)
This publication is equivalent to GC28-0689-1.
Manual, 228 pgs
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- GT28-0691
OS/VS2 TSO ENHANCEMENTS: REL 1.6, 1.7 (GC28-0691-0)
This manual is equivalent to GC28-0691-0.
Manual
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- GT28-0692
OS/VS2 JCL: REL 2 (GC28-0692-0)
This manual is equivalent to GC28-0692-0.
Manual, 187 pages
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- GT28-0703
OS/VS2 JES3 DEBUGGING GUIDE: REL 3, 3.6 (GC28-0703-0)
This publication is equivalent to GC28-0703-0.
Manual, 430 pgs
SLSS - ORDER NO. SUBSCRIPTION ONLY
- GT28-0722
MVS RACF GENERAL INFORMATION MANUAL: VERSION 1 REL 1
This publication is equivalent to GC28-0722-1.
Manual, 52 pages, 8/76
SLSS - ORDER NO. SUBSCRIPTION ONLY
- ST28-6483
OS/VS COBOL COMPILER & LIBRARY R1 (SC28-6483-0)
This publication is equivalent to SC28-6483-0.
Manual, 572 pgs, 9/74
SLSS - ORDER NO. SUBSCRIPTION ONLY
- 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
NOT AVAILABLE UNDER SLSS
- GT28-6878
OS/VS1 RES SYSTEM PROGRAMMER'S GUIDE VS1 RELEASE 2.0 AND 2.6
This manual is equivalent to GC28-6878-0.
Manual, 173 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY
- GT28-6879
OS/VS1 RES WORKSTATION USERS GUIDE, RELEASE 2.0, 2.6
Back issue of GC28-6879-0.
Manual
SLSS - ORDER NO. SUBSCRIPTION ONLY
- GT29-8300
VM/370 EREP REL 3 PLCI (GC29-8300-0)
This publication is equivalent to GC29-8300-0.
Manual, 32 pages, 12/75
SLSS - ORDER NO. SUBSCRIPTION ONLY
- GT30-2025
OS TCAM USER'S GUIDE - PROG. NO. 360S-CQ-548
OS/VS2 RELEASE 1.0 and OS/VS1 RELEASE 1.0, 2.0
This manual is equivalent to GC30-2025-0.
Manual, 238 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY
- GT30-2041
OS/VS2 TCAM (LEVEL 8) PROGRAMMER'S GUIDE: REL 3, 3.6
(GC30-2041-1)
This manual is equivalent to GC30-2041-2.
Manual, 800 pages
- SLSS - ORDER NO. SUBSCRIPTION ONLY
- GT30-2054
OS/VS1 TCAM PROGRAMMER'S GUIDE: VS1 REL 4 (GC30-2054-1)
This manual is equivalent to GC30-2054-2.
Manual, 792 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY
- GT33-4010
OS/VS & VM/370 ASSEMBLER LANGUAGE: VS2 REL 1.6, 1.7;
(GC33-4010-1)
This manual is equivalent to GC33-4010-1 and GN33-8166.
Manual
//21///5742
- GT33-4021
OS/VS & VM/370 ASSEMBLER PROGRAMMER'S GUIDE: VS2 REL 1.6,
1.7 (GC33-4021-1)
This manual is equivalent to GC33-4021-1.
Manual
//21///5742
- GT33-5384
1401/1440/1460 DOS/VS EMULATOR ON S/370 - REFERENCE REL 33
(GC33-5384-0)
This manual is equivalent to GC33-5384-0.
Manual, 8 1/2 x 11 inches, 160 pages, 6/73
- GT33-5385
1410/7010 DOS/VS EMULATOR ON S/370 REL 33 (GC33-5385-0)
This manual is equivalent to GC33-5385-0.
Manual, 8 1/2 x 11 inches, 128 pages, 6/73
- GT35-0005
OS/VS2 SVS UTILITIES (GC35-0005-1)
This publication discusses the capabilities of the OS/VS2
SVS utility programs and the control statements used with
each program. These programs are used by programmers
responsible for organizing and maintaining operating system
data.
This publication is equivalent to GC35-0005-1
Manual, 380 pgs, 12/76
//32///5742
- GT35-0009
OS/VS ACCESS METHOD SERVICES: VS2 REL 1.6, 1.7 (GC35-0009-0)
This manual is equivalent to GC35-0009-0.
Manual, 20 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY
- 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
SLSS - ORDER NO. SUBSCRIPTION ONLY
- GT38-0120
OPERATOR'S LIBRARY OS/VS CONSOLE CONFIGURATIONS
VS2 REL 1.6, 1.7 (GC38-0120-2)
This manual is equivalent to GC38-0120-2.
Manual
//40///5742
- GT38-0210
OS/VS2 OPER LIB REFERENCE (JES2): REL 1.6, 1.7 (GC38-0210-0)
This manual is equivalent to GC38-0210-0.
Manual
//40///5742
- 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
SLSS - ORDER NO. SUBSCRIPTION ONLY
- GT38-0260
OS/VS2 OPERATOR'S LIBRARY: DISPLAY CONSOLES: REL 1.6, 1.7
(GC38-0260-0)
This manual is equivalent to GC38-0260-1.
Manual
//40///5742
- GT38-1000
OS/VS MSS MESSAGES: VS2 REL 2 (GC38-1000-0)
This manual is equivalent to GC38-1000-1.
Manual
SLSS - ORDER NO. SUBSCRIPTION ONLY
- 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
SLSS - ORDER NO. SUBSCRIPTION ONLY

GT38-1002
OS/VS2 SYSTEM MESSAGES: REL 1.6, 1.7 (GC38-1002-1)
 This manual is equivalent to GC38-1002-1
 Manual
 //40//5742

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

GT38-1007
OS/VS MESSAGE LIBRARY: LINKAGE EDITOR AND LOADER MESSAGES
VS2 REL 1.6, 1.7 (GC38-1007-2)
 This manual is equivalent to GC38-1007-2.
 Manual
 //31//5742

GT38-1008
OS/VS2 SYSTEM CODES: REL 1.7 (GC38-1008-0)
 This manual is equivalent to GT38-1008-1.
 Manual
 //40//5742

GT38-1010
OS/VS1 MESSAGE LIBRARY: VS1 RES BTAM AND ACCOUNT MESSAGES
RELEASE 2.0, 2.6
 Back issue Of GC38-1010.
 Manual
 SLSS - ORDER NO. SUBSCRIPTION ONLY

GT38-1011
OS/VS SSS MESSAGES: VS1 REL 4, VS2 REL 3, 3.6 (GC38-1011-0)
 This manual is equivalent to GC38-1011-1.
 Manual
 SLSS - ORDER NO. SUBSCRIPTION ONLY

GT38-1012
OS/VS JES3 MESSAGES: VS2 REL 3 (GC38-1012-0)
 This publication is equivalent to GC38-1012-0.
 Manual, 158 pages, 9/75
 SLSS - ORDER NO. SUBSCRIPTION ONLY

GT38-1101
OS/VS1 ROUTING & DESCRIPTOR CODES: REL 6 (GC38-1101-0)
 This publication is equivalent to GC38-1101-0.
 Manual, 8 1/2 x 11 inches, 28 pgs, 9/76

GT40-1260
IMS/VS VERSION 1 GENERAL INFORMATION PROG PROD 5740-XX2
 This publication is equivalent to SH20-1260-01
 Manual, 8 1/2 x 11 inches, 120 pages, 4/74
 SLSS - ORDER NO. SUBSCRIPTION ONLY

ST40-9030
IMS/VS MESSAGES AND CODES REFERENCE (SH20-9030-3)
 This manual is equivalent to SH20-9030-3.
 Manual, 172 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY

ST40-9053
IMS/VS VERSION 1 MESSAGE FORMAT SERVICE
USER'S GUIDE PROG PROD 5740-XX2 R1.1.1 REFERENCE
 This manual is equivalent to SH20-9053-1.
 Manual, 352 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY

ST40-9054
IMS/VS VERSION 1 ADVANCED FUNCTION FOR COMMUNICATIONS
PROG PROD 5740-XX2 R1.1.1 REFERENCE
 This manual is equivalent to SH20-9054-0.
 Manual, 156 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY

ST40-9081
IMS/VS VERSION 1 INSTALLATION GUIDE REL 1.2 (SH20-9081-00)
 This publication is equivalent to LY20-9081-00.
 Manual, 8 1/2 x 11 inches, 240 pgs, 7/76

GT40-9104
DB/DC DATA DICTIONARY GENERAL INFORMATION MANUAL,
PROG PROD 5740-XXF, 5746-XXC: REL 1 (GH20-9104-0)
 This publication is equivalent to GH20-9104-0.
 Manual, 8 1/2 x 11 inches, 56 pgs, 4/77

LT50-8041
IMS/VS VERSION 1 LOGIC, VOLUME 3 OF 3 (LY20-8041-00) REL 1.2
 This publication is equivalent to LY20-8041-00.
 Manual, 8 1/2 x 11 inches, 680 pgs, 7/76

ST60-0884
VM/370 DATA AREAS & CONTROL BLOCK LOGIC: REL 3 PLCI
(SY20-0884-0)
 This publication is equivalent to SY20-0884-0.
 Manual
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

ST64-5161
OS/VS1 JOB MANAGEMENT LOGIC
 This manual is equivalent to SY24-5161-00 and is for use
 with OS/VS1 Release 1.
 Manual, 450 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY

ST64-5166
OS/VS1 LOGIC FOR IBM 3540: REL 4 (SY24-5166-0)
 This manual is equivalent to SY24-5166-1.
 Manual, 100 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY

ST66-3786
OS/VS ISAM LOGIC: VS2 REL 1.6, 1.7 (SY26-3786-2)
 This manual is equivalent to SY26-3786-2.
 Manual
 SLSS - ORDER NO. SUBSCRIPTION ONLY

ST66-3787
OS/VS DADSM LOGIC
 This manual is equivalent to SY26-3787-00 and is for use
 with OS/VS1 Release 1.
 Manual
 SLSS - ORDER NO. SUBSCRIPTION ONLY

ST66-3788
OS/VS SAM LOGIC: VS2 REL 1.6, 1.7 (SY26-3788-2)
 This manual is equivalent to SY26-3788-2.
 Manual
 SLSS - ORDER NO. SUBSCRIPTION ONLY

ST66-3789
OS/VS BDAM LOGIC: VS2 REL 1.7, 1.7 (SY26-3789-1)
 This manual is equivalent to SY26-3789-1.
 Manual
 SLSS - ORDER NO. SUBSCRIPTION ONLY

ST66-3817
OS/VS VSAM LOGIC: VS2 REL 1.6, 1.7 (SY26-3817-0)
 This manual is equivalent to SY26-3817
 Manual
 SLSS - ORDER NO. SUBSCRIPTION ONLY

ST66-3820
OS/VS2 CHECKPOINT/RESTART PLM
 This manual is equivalent to SY26-3820-0 and is for use with
 OS/VS2 Release 1.
 Manual
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

ST66-3825
OS/VS2 VSAM LOGIC: REL 2, 3, 3.6 (SY26-3825-0)
 This manual is equivalent to SY26-3825-1.
 Manual, 300 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY

- ST66-3826
OS/VS2 CATALOG MANAGEMENT LOGIC: REL 2 (SY26-3826-0)
 This manual is equivalent to SY26-3826-0.
 Manual, 224 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- ST66-3827
OS/VS2 OPEN/CLOSE/EOV LOGIC: RELEASE 2 (SY26-3827-1)
 This manual is equivalent to SY26-3827-1.
 Manual
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- ST66-3828
OS/VS2 DASDM LOGIC: VS2 REL 2 (SY26-3828-0)
 This manual is equivalent to SY26-3828-0.
 Manual, 156 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- ST66-3831
OS/VS2 BDAM LOGIC: REL 2, 3, 3.6 (SY26-3831-0)
 This manual is equivalent to SY26-3831-1.
 Manual, 140 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- ST66-3832
OS/VS2 SAM LOGIC: RELEASE 2 (SY26-3832-0)
 This manual is equivalent to SY26-3832-0.
 Manual, 224 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- ST66-3833
OS/VS2 ISAM LOGIC: REL 2, 3, 3.6 (SY26-3833-0)
 This publication is equivalent to SY26-3833-0.
 Manual, 284 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- ST66-3847
INDEPENDENT COMPONENT OS/VS2 CATALOG MANAGEMENT LOGIC:
REL 3, 3.6, 3.7 (SY26-3847-1)
 This publication is equivalent to SY26-3847-1
 Manual, 8 1/2 x 11 inches, 404 pages, 2/75
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- ST67-7239
OS/VS RECOVERY MANAGEMENT SUPPORT LOGIC
COMPONENT NOS. 5741-SCL-CE AND 5742-SCL-CE
 This manual is equivalent to SY27-7239-00 and is for use
 with OS/VS1 Release 1.
 Manual
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- ST67-7246
OS/VS BTAM LOGIC: VS2 REL 1.6, 1.7 (SY27-7246-0)
 This manual is equivalent to SY27-7246-0.
 Manual
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- ST67-7257
OS/VS1 VTAM LOGIC: REL 4 (SY27-7257-0)
 This manual is equivalent to SY27-7257-1.
 Manual, 992 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- ST67-7266
OS/VS1 VTAM DATA AREAS: REL 4 (SY27-7266-0)
 This manual is equivalent to SY27-7266-1.
 Manual, 305 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- ST67-7267
OS/VS2 VTAM DATA AREAS: REL 3, 3.6 (SY27-7267-0)
 This manual is equivalent to SY27-7267-1.
 Manual, 240 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- 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
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- ST68-0606
OS/VS2 SYSTEM DATA AREAS: REL 1.6, 1.7 (SY28-0606-0)
 This publication is equivalent to SY28-0606-1.
 Manual, 308 pgs
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- ST68-0621
OS/VS2 VTAM LOGIC: REL 3, 3.6 (SY28-0621-0)
 This manual is equivalent to SY28-0621-1.
 Manual
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- ST68-0624
OS/VS2 SCHEDULER & SUPERVISOR LOGIC VOL 1: REL 2, 3, 3.6
(SY28-0624-1)
 This manual is equivalent to SY28-0624-1.
 Manual, 800 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- ST68-0625
OS/VS2 SCHEDULER & SUPERVISOR LOGIC VOL 2: REL 2, 3, 3.6
(SY28-0625-1)
 This manual is equivalent to SY28-0625-1.
 Manual, 868 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- ST68-0635
OS/VS1 SERVICE AIDS LOGIC - RELEASE 1.0, 2.0, 2.6
 Back issue of SY28-0635-0.
 Manual
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- ST68-0639
OS/VS SY51.LOGREC ERROR RECORDING LOGIC
 This manual is equivalent to SY28-0639-00 and is for use
 with OS/VS1 Release 1.
 Manual, 148 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- ST68-0641
OS/VS DYNAMIC SUPPORT SYSTEM LOGIC: VS2 REL 1.6, 1.7
(SY28-0641-0)
 This manual is equivalent to SY28-0641-0
 Manual
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- ST68-0643
OS/VS2 SERVICE AIDS LOGIC: REL 1.6, 1.7 (SY28-0643-0)
 This manual is equivalent to SY28-0643-0
 Manual
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- ST68-0649
OS/VS2 TSO CONTROL LOGIC: REL 1.6, 1.7 (SY28-0649-0)
 This manual is equivalent to SY28-0649-0
 Manual
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- ST68-0650
OS/VS2 TERMINAL MONITOR PROGRAM AND SERVICE ROUTINES LOGIC
REL 1.6, 1.7 (SY28-0650-0)
 This manual is equivalent to SY28-0650-0
 Manual
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- ST68-0651
OS/VS2 TSO COMMAND PROCESSOR LOGIC VOLUME 1, ACCOUNT
REL 1.6, 1.7 (SY28-0651-0)
 This manual is equivalent to SY28-0651-0.
 Manual
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- ST68-0652
OS/VS2 COMMAND PROCESSOR LOGIC VOLUME IV: REL 1.6, 1.7
(SY28-0652-0)
 This manual is equivalent to SY28-0652-0
 Manual
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- ST68-0654
OS/VS2 TSO TERMINAL MESSAGES DIRECTORY: REL 2
(SY28-0654-0)
 This manual is equivalent to SY28-0654-0.
 Manual, 187 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- ST68-0662
OS/VS1 OLTEP LOGIC - RELEASE 2.0, 2.6
 Back issue of SY28-0662-0.
 Manual
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- ST68-0664
TOLTEP LOGIC: VS2 REL 2 (SY28-0664-0)
 This manual is equivalent to SY28-0664-0.
 Manual, 108 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY
- ST68-0676
OS/VS2 OLTEP LOGIC: REL 2, 3, 3.6 (SY28-0676-1)
 This manual is equivalent to SY28-0676-1.
 Manual
 SLSS - ORDER NO. SUBSCRIPTION ONLY

ST68-0678
OS/VS2 SYS1.LOGREC ERROR RECORDING LOGIC: REL 2
(SY28-0678-1)
 This manual is equivalent to SY28-0678-0.
 Manual, 258 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY

ST68-0685
OS/VS SYSTEM MODIFICATION PROGRAM (SMP) LOGIC: VS2 REL
1.6, 1.7, 2, 3, 3.6 (SY28-0685-1)
 This manual is equivalent to SY28-0685-2.
 Manual, 64 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY

LT68-6425
OS/VS COBOL SUBROUTINE LIBRARY LOGIC
REL 1 (LY28-6425-0)
 This publication is equivalent to LY28-6425-0.
 Manual, 304 pgs, 8/74
 SLSS - ORDER NO. SUBSCRIPTION ONLY

LT68-6486
OS/VS COBOL COMPILER LOGIC PROG PROD 5740-CB1
REL 1 (LY28-6486-1)
 This publication is equivalent to LY28-6486-1.
 Manual, 656 pgs, 8/74

ST68-6849
OS/VS1 RES RTAM AND WORKSTATION SUPPORT LOGIC
RELEASE 2.0, 2.6
 Back issue of SY28-6849-0.
 Manual
 SLSS - ORDER NO. SUBSCRIPTION ONLY

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
 SLSS - ORDER NO. SUBSCRIPTION ONLY

ST70-3017
SYSTEM/370 SSS LOGIC: VS2 REL 2 (SY30-3017-1)
 This manual explains the program logic of Subsystem Support
 Services (SSS). It describes the common services that SSS
 performs for industry and application systems (subsystems).
 Program logic manuals for individual subsystems show how to
 tailor SSS to its needs. This manual is intended for the
 program support representative and others who need to know
 the internal logic of SSS. It is a supplement to the
 program listing for SSS. An appendix contains the SSS
 control statements need to maintain IBM provided controller
 data. This form is for users of SSS level 1. This
 publication is equivalent to SY30-3017-01.
 Manual
 SLSS - ORDER NO. SUBSCRIPTION ONLY

ST73-8041
OS/VS, VM/370 ASSEMBLER LOGIC: VS2 REL 1.6, 1.7
(SY33-8041-0)
 This manual is equivalent to SY33-8041-1.
 Manual, 276 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY

ST73-8548
OS/VS2 COMMAND PROCESSOR LOGIC VOLUME II: EDIT: REL 1.6,
1.7 (SY33-8548-0)
 This manual is equivalent to SY35-8548-0
 Manual
 SLSS - ORDER NO. SUBSCRIPTION ONLY
 SLSS - ORDER NO. SUBSCRIPTION ONLY

ST73-8558
DOS/VS SYSTEM UTILITIES LOGIC: REL 32 (SY33-8558-0)
 This publication is equivalent to SY33-8558-0.
 Manual, 616 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY

ST73-8576
DOS/VS POWER/VS LOGIC PART 1: REL 33 (SY33-8576-0)
 This manual is equivalent to SY33-8576-00.
 Manual, 8 1/2 x 11 inches, 244 pgs, 4/76

ST73-8577
DOS/VS POWER/VS LOGIC PART 2: REL 33 (SY33-8577-0)
 This manual is equivalent to SY33-8577-00.
 Manual, 8 1/2 x 11 inches, 820 pgs, 4/76

ST75-0004
OS/VS2 TSO COMMAND PROCESSOR LOGIC VOLUME III: TEST: REL
1.6, 1.7 (SY35-0004)
 This manual is equivalent to SY35-0004
 Manual
 SLSS - ORDER NO. SUBSCRIPTION ONLY

ST75-0005
OS/VS UTILITIES LOGIC: WITH SN35-0008, VS2 REL 1.6, 1.7
(SY35-0005-0)
 Back issue of SY35-0005-0.
 Manual

SLSS - ORDER NO. SUBSCRIPTION ONLY

ST75-0008
OS/VS ACCESS METHOD SERVICES LOGIC: VS2 REL 1.6, 1.7
(SY35-0008-0)
 This manual is equivalent to SY35-0008-0.
 Manual
 SLSS - ORDER NO. SUBSCRIPTION ONLY

ST75-0009
OS/VS2 AUXILIARY STORAGE MANAGEMENT LOGIC: REL 2, 3, 3.6
(SY35-0009-1)
 This manual is equivalent to SY35-0009-1.
 Manual, 470 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY

ST75-0010
OS/VS2 ACCESS METHOD SERVICES LOGIC: REL 2 (SY35-0010-0)
 This manual is equivalent to SY35-0010-0.
 Manual, 624 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY

ST75-0011
OS/VS2 CVOL PROCESSOR LOGIC: REL 2 (SY35-0011-0)
 This manual is equivalent to SY35-0011-1.
 Manual, 224 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY

ST75-7701
VM/370 EREP LOGIC REL 3 PLC1 (SY25-7701-0)
 This publication is equivalent to SY25-7701-0.
 Manual
 SLSS - ORDER NO. SUBSCRIPTION ONLY

GX09-1000
IBM 129-3270 OPERATOR'S REFERENCE SUMMARY
 This Operator's Reference Summary is a handy compendium of
 the most frequently needed information for operating the
 129-3270 attachment. This summary is for the use of 129-
 3270 operators; also IBM FE and Marketing personnel.
 Fanfold Card 3-2/3 x 8-1/2 inches
 //14//3270,3271,3272,3275/

GX09-1001
IBM 129-3270 (RPQ 8T0105) OPERATOR'S REFERENCE SUMMARY
 This Operator's Reference Summary is a handy compendium of
 the information needed for operating the key entry
 attachment to the 129-3270. This summary is for the use of
 129-3270 operators; also IBM FE and Marketing personnel.
 Fanfold Card, 3-2/3 x 8-1/2 inches
 //14//3270,3271,3272,3275/

GX20-1701
GENERAL PURPOSE SYSTEMS SIMULATOR CODING FORM
PROG. NOS. 5734-XS1, XS2, 5736-XS1, XS3, 360A-CS-17X, 19X
 This form is used in conjunction with the construction of
 models with the GPSS III Simulator. It provides the field
 formats required by the program as input.
 Padded Form, 25 sheets, 8 1/2 x 11
 NOT AVAILABLE UNDER SLSS

GX20-1705
2311 MODEL 1 DISK STORAGE DRIVE CAPACITY AND TRANSMISSION
TIME: REFERENCE SUMMARY
 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
 360,370//07//2311/

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
 360,370//07//2314/

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
 NOT AVAILABLE UNDER SLSS

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

SLSS - ORDER NO. SUBSCRIPTION ONLY

- 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"
NOT AVAILABLE UNDER SLSS
- 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-printed blocks from two to seven digits and optical reference marks.
Padded Form, 25 sheets, 8 1/2" x 11"
NOT AVAILABLE UNDER SLSS
- 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"
NOT AVAILABLE UNDER SLSS
- 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
360//01///
- GX20-1816
150/10/6 PRINT CHART
This 11" x 18" chart is printed in green ink and provides 150 printing positions (at 10 positions per inch horizontally) for a printer carriage space-setting of 6 lines per inch. This form replaces GX20-1776 which allowed for a printing span of 144 characters. Printer charts requiring 150-character spans (3211 with 18 additional print position feature) may be prepared using this chart. This chart may be reproduced using most standard office copying machines. The grid and other preprinted information may be "dropped-out" using a green filter.
Padded Form, 11 x 18, 25 sheets
NOT AVAILABLE UNDER SLSS
- GX20-1818
150/10/8 PRINT CHART
The 11" x 18" chart is printed in green ink and provides 150 printing positions (at 10 positions per inch horizontally) for a printer carriage space-setting of 8 lines per inch. This form replaces GX20-1778 which allowed for a printing span of 144 characters. Printer charts requiring 150-character spans (3211 with 18 additional print positions) may be prepared using this chart. This chart may be reproduced using most standard office copying machines. The grid and other preprinted information may be "dropped-out" using a green filter.
Padded Form, 11 x 18, 25 sheets
NOT AVAILABLE UNDER SLSS
- 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
370//01///
- GX20-1878
IBM 3270 INFORMATION DISPLAY SYSTEM REFERENCE SUMMARY
This publication is intended for use by application programmers. The booklet, consisting of tables of EBCDIC and ASCII codes and related graphics for basic data, control functions, addressing, etc., will be updated from time to time to reflect system changes. The reader is cautioned, however, that the authoritative source of information for this booklet is the IBM 3270 Information Display System Description (GA27-2749), which will be first to reflect changes.
Reference Summary, 48 pages, 3/76
//09//3270,3271,3272,3275/
- GX20-1920
IBM 3330 SERIES DISK STORAGE (3333 MODELS 1 AND 11, 3330 MODELS 1, 2 AND 11): REFERENCE SUMMARY
This reference summary summarizes device characteristics and provides a capacity table for records with and without keys.
Summary, 2 folds
3195,3155,3165,3145,3135,3158,3168,3125//07//3330,3333/
- GX20-1926
VM/370 QUICK GUIDE FOR USERS REFERENCE SUMMARY
This publication describes the essential VM/370 operations for the new user. It also provides a brief description of all VM/370 commands for the experienced user. Only a limited amount of prior VM/370 knowledge is assumed for the section on VM/370 operations. See the "Preface" for prerequisite publications. The user of the command descriptions section should have a thorough understanding of VM/370 command syntax and usage.
Summary booklet, 200 pages
//36//5749
- GX20-1927
ASP VERSION 3 ASYMMETRIC MULTIPROCESSING SYSTEM: OPERATORS REFERENCE BOOKLET - PROG. NO. 360A-CX-15X
This publication is a pocket-size reference summary of all commands and dynamic support programs (DSP) names, descriptions and commands.
Handbook, 14 pages
360,370//36/OASP//
- GX20-1961
VM/370 COMMANDS REFERENCE SUMMARY (GENERAL USER)
No abstract available.
Summary Card 8-1/2 X 3-5/8 folded, 16 pages
//36//5749
- GX20-1972
IBM 3890 DOCUMENT PROCESSOR REFERENCE SUMMARY
This summary card is intended for 3890 users and programmers. Information in this publication is extracted from the 3890 Document Processor Machine and Programming Description (GA24-3612), which is the authoritative reference source and will be the first to reflect changes.
Reference Card, 3-5/8 x 8-1/2 inches, 8 panels
3138,3148,3033,3155,3165,3145,3135,3158,3168//04//3890/
- SX20-1976
TSO/3270/SPF (PROG PROD 5740-XT2) TEMPLATE
No Abstract Available.
Form
////5740-XT2
- GX20-1977
AUTOMATED UNIT TEST (AUT) VM/370 CMS VERSION (IUP 5796-PEB) QUICK GUIDE FOR USERS REFERENCE SUMMARY
This reference summary contains basic information from the AUT Program Description and Operations Manual, SH20-1662.
Reference Summary, 6 Folds, 7 Panels
////
- GX20-1978
AUTOMATED UNIT TEST (AUT) TSO AND BATCH OS/VS VERSION (IUP 5796-PEC) QUICK GUIDE FOR USERS REFERENCE GUIDE
This reference summary contains basic information from the AUT Program Description and Operations Manual, SH20-1663.
Reference Summary, 6 FOLDS, 7 Panels
////5796-PEC
- GX20-1979
3340 DIRECT ACCESS STORAGE REFERENCE SUMMARY
No abstract available.
Summary, 6 pages
370//07//3340,3344/
- GX20-1981
3275/3277 PROGRAM FUNCTION KEY TEMPLATE
This transparent plastic template holds a preprinted, removable cardboard insert (also furnished) on which 3275/3277 program function key assignments developed by the user may be recorded. The template and insert have a cut-out and will fit around the PF key area on a 3275/3277 keyboard. Ten templates are provided in each package (unit of measure equals 10 (ten)). Also included are 15 (fifteen) cardboard inserts.
Plastic template, 2 7/8 x 7 1/4 inches (7.3 x 18.2 cm), 6/76
SLSS - ORDER NO. SUBSCRIPTION ONLY
- GX20-1995
VM/370 COMMANDS (OTHER THAN GENERAL USER)
No abstract available.
Reference summary, 8 pages
//36//5749

GX20-2005

HEXADECIMAL ARITHMETIC REFERENCE SUMMARY

This reference card presents one hexadecimal-to-decimal (or vice-versa) conversion table for integers from 000 to 1FF (hex) (max. = 511 decimal); one addition - subtraction table for hexadecimal integers 0 to 17 by 0 to 13; and one multiplication (and limited division) table for hexadecimal integers 0 to 17 by 0 to 13. The card is intended for use as an aid in programming, debugging, etc., especially by those who have occasion to refer to the "System/370 Reference Summary", GX20-1850.

Card, 3-1/2 x 8-1/2 inches, (9 x 21.5 cm) 2 pgs. 1/77

GX20-2325

EPIC: FAST - GROUP NAME SHEET - PROG PROD 5735-E92

Provides input to the Epic: Fast Program Product.
Padded form, 25 pgs, 6/77

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, 10 to a set
NOT AVAILABLE UNDER SLSS

GX20-8021

FLOWCHARTING WORKSHEET

Provides space for drawing program flowcharts and contains an area for identification of the job, including application, procedure, data and pagination.
Padded Form, 25 sheets, 16 1/2" x 11"
NOT AVAILABLE UNDER SLSS

GX21-9011

IBM 1062 PROGRAM TAPE LAYOUT SHEET

Sheet used to code 1062 Program Tape.
Padded Form, 8 1/2 x 11, one side, 50 sheets
NOT AVAILABLE UNDER SLSS

GX21-9030

IBM PHYSICAL PLANNING TEMPLATE, 1030 DATA COLLECTION SYSTEM

This template gives a scaled representation of the physical planning specifications of the IBM 1030 Data Collection System.
Template, 8 1/2 x 11, 1 page
//15//1030,1031,1032/

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
NOT AVAILABLE UNDER SLSS

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
NOT AVAILABLE UNDER SLSS

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
NOT AVAILABLE UNDER SLSS

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
NOT AVAILABLE UNDER SLSS

GX21-9094

RPG INPUT SPECIFICATIONS FORM

This form is provided as an aid to the programmer writing an RPG program for the IBM System/3. It is printed in reproducible green ink.
Padded Form, 50 sheets
NOT AVAILABLE UNDER SLSS

GX21-9101

SPECIFICATIONS FOR MAGNETIC CHARACTER READERS

This specification sheet is used in describing the system and stacker specifications for magnetic character readers. It is used by both the IBM 1255 and the IBM 1419 Magnetic character readers.
Padded form, 8 1/2 x 13 1/2 inches, 50 sheets, 3/77
NOT AVAILABLE UNDER SLSS

GX21-9106

IBM 1288 DOCUMENT GAUGE FOR MACHINE SETUP

An illustrated and descriptive document - alignment and machine-setup instruction folder.
Reference Card, 2 pages
2030,2040,2050,2065,2067,2025,3155,3165,3145,3135,2020,3158,3168//04//1288/

GX21-9129

RPG DEBUGGING TEMPLATE

This template is a quick tool for programmers debugging RPG.
Template
SLSS - ORDER NO. SUBSCRIPTION ONLY

GX21-9155

IBM 3740 DATA ENTRY SYSTEM PHYSICAL PLANNING TEMPLATE

This template is for those people responsible for the physical planning layout of a 3740 Data Entry System installation.
Template
//15//3740,3741,3742,3747,3713/

GX21-9171

IBM 3747 DATA CONVERTER REFERENCE CARD

This reference card is provided as an aid to operators when an error occurs on the 3747 Data Converter. It contains the message codes for the messages which will occur most often.
Reference Card, 6 pgs, 5/73
//08//3747/

GX21-9172

IBM 3741/3742 REFERENCE CARD

This reference card is provided as an aid to the operator using the 3741 Data Station or 3742 Dual Data Station. It contains error codes, program codes, required data set label fields, and status line.
Card, 4 pages
//08//3741,3742/

GX21-9185

IBM 3747 DATA CONVERTER RUN SHEET

The IBM 3747 Data Converter Run Sheet is used to provide the operator with the necessary information for running a job on the 3747 data converter. It contains a description of the job (disk to tape, etc.), disk ID numbers, and job statistics.
Padded form, 50 per pad
NOT AVAILABLE UNDER SLSS

GX21-9186

IBM 3740 JOB INSTRUCTIONS FORM

The IBM 3740 Job Instructions sheet is a two-sided form which is used to provide the operator with the necessary information for running a job on the 3740 System. The front side is used for explaining how to run the job, disposition of documents, what fields are included. The reverse side lists the program codes for the 3740 System and explains their function.
Padded form, 1 page, printed on both sides
NOT AVAILABLE UNDER SLSS

GX21-9187

IBM 3740 SYSTEM PRINT CHART

The IBM 3740 System Print Chart is used by the operator for specifying how printing is to be performed on the 3740 System.
Padded form, 1 page
NOT AVAILABLE UNDER SLSS

GX21-9204

IBM 3741 PROGRAMMABLE WORK STATION MODELS 3-4 REFERENCE CARD

The reference card is intended to provide a quick look up of correct coding in an ACL (Application Control Language) program. The control statements in ACL are described on the card. The card is intended for ACL programmers.
Reference Card, 1 page, both sides, 7 x 9 inches
//08//3741/

GX22-6834

PUNCHED CARD AND TAPE I/O AND PRINTERS, FOR SYSTEM/360 AND SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE

Equipment templates on 8-1/2 by 11 inch acetate sheets, four pages, for planning machine room layouts. Scale: 1/4 inch equals one foot. Includes one 1017, one 1018, three 1403-2,3,7's, three 1403-N1's, one 1404-2, one 1442-N1,N2, one 1442 abutted to one 1443, one 1443-N1 or 1445-N1, one 2501-B1,B2, one 2520-B1,B2,B3, three 2540-1's, one 2560-A1, one 2671, two 2821-1,2,4,6's, two 2821-3,5's, one 2822, one 2826-1, two 3211's, two 3505-B1,B2's, two 3525-P1,P2,P3's, and two 3811's.
8-1/2 x 11 inch acetate templates, 4 pages
360,370//15//

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
360,370//05//2401,2404,2415/

GX22-6855

IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 MAGNETIC TAPE UNITS AND CONTROLS
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 all models of following magnetic tape units/controls; 2402, 2403, 2404, 3410, 3411.
8-1/2" x 11" acetate template, 4 pages
//15//2402,2403,2404/

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
//15//2701,2702,2703,2711,7770/

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
//15//2301,2321,2311,2303,2302,2314,2305,3333/

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
//15//2250,2150/

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:
1231 Model N1
1255 Models 1, 2, and 3
1259 Model 2
1285 Model 1
1287 Models 1 to 5
1288 Models 1 to 5
1412 Models 1
1418 Models 1 to 3
1419 Model 1
1428 Models 1 to 3
8-1/2 x 11 inch acetate templates, two pages
//15//1285,1231,1418,1428,1287,1288,1412,1259,1419,1255/

GX22-6925

IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 FIELD ENGINEERING FURNITURE AND TEST EQUIPMENT
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
360,370//15///

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
3195//15///

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
3165//01///

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
//15//2860,2870,2880/

GX22-6987

3838 ARRAY PROCESSOR MODELS 1-3 FOR SYSTEM/370: PHYSICAL PLANNING TEMPLATE
IBM Physical Planning Template: 3838 Array Processor Models 1, 2, and 3 for System/370.
Equipment template for planning room layouts. Scale: 1/4 inch equals 1 foot.
Acetate Template, 8 1/2 x 11 inches, 1 pg, 1/77
//15//3838/

GX22-7005

IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 145
Equipment template on 8-1/2 x 11 inch acetate sheet, 2 pages for planning machine room layout. Scale: 1/4 inch equals 1 foot. Includes 3145 Processing Unit Models GE, GFD, H, HG, I, H2, HG2, I2, IH2 and J2. Also includes 3046 Power Unit Model 1, 3047 Power Unit Model 1, 3210 Console Printer-Keyboard Model 2, and 3345 Storage and Control from Models 1 to 5.
Template, 2 pages
3145//15///

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
3155//15///

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
3165//15///

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
3135//15///

GX22-7018

3270 INFORMATION DISPLAY SYSTEM: PHYSICAL PLANNING TEMPLATE
Equipment templates on 8-1/2 x 11 inch acetate sheets 1 page, for planning machine room layouts. Scale: 1/4 inch equals one foot.
Includes all models of system:
3271 MODELS 1, 2, 11, 12
3272 MODELS 1, 2
3275 MODELS 1, 2, 11, 12
3277 MODELS 1, 2
3284 MODELS 1, 2, 3
3286 MODELS 1, 2, 3
3288 MODEL 2
Template, 1 page
//15//3270,3271,3272,3275/

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. Includes configurations of 3125 with 5425 and 3203 and 3125 with 3203.
8-1/2 x 11 inch acetate template
3125//15///

GX22-7022

SYSTEM/370 MODEL 168 PHYSICAL PLANNING TEMPLATE

IBM System/370 Model 168, Model 168 Multiprocessing, and Model 168 Attached Processor equipment template on 8-1/2 x 11 inch acetate sheets, for planning machine room layout. Scale: 1/4 inch equals 1 foot. Includes 3168 Processing Unit, 3168-3 Processing Unit, 3062 Attached Processing Unit Model 1, 3066 System Console Models 2 and 3, 3067 Power and Coolant Distribution Unit Models 2 and 3 (SN below 61000), 3067 Power and Coolant Distribution Unit Models 2, 3, and 5 (SN above 61000), and 3068 Multisystem Communication Unit Model 1.

Acetate Template, 5 pages, 7/76
3168//15///

GX22-7023

IBM S/370 MODEL 158 AND MODEL 158ATTACHED PROCESSOR, MULTIPROCESSING PHYS PLANNING TEMPLATE

Equipment templates on 8-1/2 x 11 inch acetate sheet for planning machine room layout. Scale: 1/4 inch equals 1 foot. Includes 3158 Processing Unit, 3158-3 Processing Unit, 3056 Remote System Console, and 3213 Printer. 8 1/2 x 11 inch acetate templates, 3 pages, 11/76
3158//15///

GX22-7024

3033 PROCESSOR PHYSICAL PLANNING TEMPLATE

IBM Physical Planning Template: IBM 3033 Processor Complex consisting of a 3033 Processor, 3036 Console Model 1, and 3037 Power and Coolant Distribution Unit Model 1.

Equipment Template for planning machine room layouts. Scale: 1/4 equals 1 foot.

Acetate template, 8 1/2 x 11 inches, 2 pgs, 4/77
3033//15///

GX22-7028

IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 115

Equipment template on 8-1/2 x 11 inch acetate sheet, 1 page for planning machine room layout. Scale: 1/4 inch equals 1 foot. Includes Model 115, 3115 Processing Unit.

Acetate template, 1 page
3115//15///

GX22-7029

3340 DISK STORAGE MODELS A2, B1 AND B2 AND 3344 DIRECT ACCESS STORAGE MODELS B2 AND B2F FOR SYSTEM/370 - PHYSICAL PLANNING TEMPLATE

Equipment Template on 8-1/2 x 11 inch acetate sheet, for planning machine room layouts. Scale: 1/4 inch equals 1 foot. Includes 3340 Disk Storage Models A2, B1, and B2 and 3344 Direct Access Storage Models B2 and B2F.

Acetate template, 1 page, 7/76
//15//3344/

GX22-7030

3420 MAGNETIC TAPE UNIT MODELS 3 TO 8 & 3803 TAPE CONTROL MODELS 1-3 FOR SYSTEM/370: PHYSICAL PLANNING TEMPLATE

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 3420 Magnetic Tape Unit Models 3 to 8 and 3803 Tape Control Models 1 - 3 for System/370.

Acetate template, 1 page, 7/76
//15//3420,3803/

GX22-7031

3890 DOCUMENT PROCESSOR: PHYSICAL PLANNING TEMPLATE

Equipment template on 8-1/2 x 11 inch acetate sheet (2 pages) for planning machine room layouts.

Scale: 1/4 inch equals one foot
Includes: Models A1-A6 and B1-B6
Microfilm Frame

8-1/2 x 11 inch acetate template, 2 pages
//15//3890/

GX22-7032

3704 COMMUNICATIONS CONTROLLER FOR SYSTEM/370:IBM PHYSICAL PLANNING TEMPLATE

Equipment template on 8-1/2 x 11 inch acetate sheet, 1 page for planning machine room layout. Sale: 1/4 inch equals 1 foot. Includes 3704 Communications Controller Model 1.

Acetate template, 1 page
//15//3704/

GX22-7035

3410 MAGNETIC TAPE UNIT MODELS 1 TO 3 AND 3411 MAGNETIC TAPE UNIT AND CONTROL MODELS 1 TO 3 FOR SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE

Equipment template on 8-1/2 x 11 inch acetate sheet, 1 page for planning machine room layout. Scale: 1/4 inch equals 1 foot. Includes 3410 Magnetic Tape Unit Models 1,2, and 3, and 3411 Magnetic Tape Unit and Control Models 1,2, and 3.

Acetate template, 1 page
//15//3410,3411/

GX22-7037

2401 MAGNETIC TAPE UNIT MODELS 1 TO 6 AND 8, FOR SYSTEM/370:IBM PHYSICAL PLANNING TEMPLATE

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 2401 Magnetic Tape Unit Models 1 to 6 and 8. Acetate template, 1 page
//15//2401/

GX22-7038

2415 MAGNETIC TAPE UNIT AND CONTROL MODELS 1 TO 6, FORSYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE

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 2415 Magnetic Tape Unit and Control Models 1 to 6.

Acetate template, 1 page
//15//2415/

GX22-7039

2420 MAGNETIC TAPE UNIT MODELS 5 AND 7, FOR SYSTEM/370:IBM PHYSICAL PLANNING TEMPLATE

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 2420 Magnetic Tape Unit Models 5 and 7.

Acetate template, 1 page
//15//2420/

GX22-7041

2495 TAPE CARTRIDGE READER MODEL 1, FOR SYSTEM/370:IBM PHYSICAL PLANNING TEMPLATE

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 2495 Tape Cartridge Reader Model 1.

Acetate template, 1 page
//15//2495/

GX22-7042

2803 TAPE CONTROL MODELS 1 TO 3, FOR SYSTEM/370:IBM PHYSICAL PLANNING TEMPLATE

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 2803 Tape Control Models 1 to 3.

Acetate template, 1 page
//15//2803/

GX22-7043

2804 TAPE CONTROL MODELS 1 TO 3, FOR SYSTEM/370:IBM PHYSICAL PLANNING TEMPLATE

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 2804 Tape Control Models 1 to 3.

Acetate template, 1 page
//15//2804/

GX22-7044

2816 SWITCHING UNIT MODEL 1, FOR SYSTEM/370:IBM PHYSICAL PLANNING TEMPLATE

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 2816 Switching Unit Model 1.

Acetate template, 1 page
//15//2816/

GX22-7045

3540 DISKETTE INPUT/OUTPUT UNIT MODELS B1 AND B2 FORSYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE

Equipment template on 8-1/2 x 11 inch acetate sheet, 1 page for planning machine room layout. Scale: 1/4 inch equals 1 foot. Includes 3540 Models B1 and B2.

Template, 1 page
//15//3540/

GX22-7047

IBM PHYSICAL PLANNING TEMPLATE: 3330 DISK STORAGE MODELS1, 2, AND 11; 3333 DISK STORAGE & CONTROL MODELS 1 AND 11FOR S/370; 3830 STORAGE CONTROL MODELS 1, 2 AND 3 FOR S/370

Equipment template for planning machine room layouts. Scale: 1/4 inch equals 1 foot.

Includes: 3330 Models 1, 2 and 11
3333 Models 1 and 11 for 370
3830 Models 1, 2 and 3 for 370

Acetate template, 8-1/2 x 11 inches, 3 pages, 8/76
//15//3330,3333,3830/

GX22-7051

3705 COMMUNICATIONS CONTROLLER FOR SYSTEM/370:PHYSICAL PLANNING TEMPLATE

Equipment template on 8-1/2 by 11 inch acetate sheet for planning machine layouts. Scale: 1/4 inch equals one foot; includes 3705 Communications Controller and 3705 Expansion Module.

8-1/2 x 11 inch acetate template, 1 page
//15//3705/

GX22-7052

IBM PHYSICAL PLANNING TEMPLATE FOR 3881 OPTICAL MARK READER MODELS 1 TO 3 AND 3886 OPTICAL CHARACTER READER MODELS 1 AND 2
Equipment template on 8-1/2 x 11 inch acetate page for planning machine room layouts.
Scale: 1/4 inch equals one foot.
Includes: 3881 Models 1 to 3
3886 Models 1 and 2
Acetate Template, 1 page
//15//3881,3886/

GX22-7053

3881 OPTICAL MARK READER MODELS 1-3 & 3886 OPTICAL CHARACTER READER MODELS 1 & 2: PHYSICAL PLANNING TEMPLATE
Equipment template for planning machine room layouts.
Scale: 1/4 inch equals one foot
Includes: 3851 Models A1 to A4 and B1 to B4.
Acetate Template/ 1 page
//15//3850,3851/

GX22-7054

3800 PRINTING SUBSYSTEM FOR SYSTEM/370: PHYSICAL PLANNING TEMPLATE
IBM Physical Planning Template: 3800 Printing Subsystem for System/370
Equipment template on 8 1/2 x 11 inch acetate sheet, for planning machine room layouts. Scale: 1/4 inch equals 1 foot. Includes 3800 Printing Subsystem with and without Burster-Trimmed-Stacker for System/370.
8 1/2 x 11 inch Acetate template, 7/76
//15//3800/

GX22-7057

3350 DIRECT ACCESS STORAGE MODELS A2, A2F, B2, B2F, C2, AND C2F PHYSICAL PLANNING TEMPLATE
Equipment template on 8-1/2 x 11 inch acetate sheet, for planning machine room layouts. Scale: 1/4 inch equals 1 foot. Includes 3350 Direct Access Storage Models A2, A2F, B2, B2F, C2, and C2F for System/370.
Acetate template, 1 page, 7/76
//15//3350/

GX22-7058

IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 138
Template for planning machine room layouts. Scale: 1/4 inch equals 1 foot. Includes IBM 3138 Processing Unit, IBM 3046 Power Unit Model 1, and IBM 3203 Printer Model 4.
8-1/2 x 11 inch Acetate Template, 10/76
3138//15//

GX22-7059

IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 148
Template for planning machine room layouts. Scale: 1/4 inch equals 1 foot. Includes IBM 3148 Processing Unit, IBM 3047 Power Unit Model 1, and IBM 3203 Printer Model 4.
8-1/2 x 11 inch Acetate Template, 10/76
3148//15//

GX23-0001

OS/VS1 SERVICE AIDS REFERENCE SUMMARY
This summary is intended to be a quick guide to the major or most-used functions of the service aids. The JCL and control statements are valid as shown, but they represent only the simplest form of the programs they illustrate.
Reference Card - 3 5/8 x 8 1/2 - 14 panels, 1/75
//37//5741

GX23-0002

OS/VS2 SERVICE AIDS REFERENCE SUMMARY
This summary is intended to be a quick guide to the major or most-used functions of the service aids. The JCL and control statement examples are valid as shown, but they represent only the simplest form of the programs they illustrate.
Reference Card - 3 5/8 x 8 1/2 - 12 panels, 1/75
//37//5752

GX23-0003

JES3 OPERATOR COMMANDS & DYNAMIC SUPPORT PROGRAMS (DSP) REFERENCE SUMMARY
Provides a summary of information excerpted from Operator's Library: OS/VS2 Reference (JES3), GC38-0226. This publication summarizes the JES3 operator commands, the Dynamic Support Program (DSP) primary subsystem functions and operator utility functions.
Manual, 28 pages, 8/76
//40//5752

SX23-0004

OPERATOR'S LIBRARY: NETWORK JOB ENTRY FOR JES2 COMMAND LANGUAGE REFERENCE SUMMARY
This is a reference card documenting "Appendix B: Syntax of JES2 Commands" from the publication "Operator's Library: Network Job Entry Facility for JES2, Commands, SC23-0011", which is the first to reflect changes. This card is used for quick reference to JES2 Commands.

Card, 8 x 18 inches, scored, 10 panels, 5/77
/////5740-XR8

GX23-0005

OPERATOR'S LIBRARY: OS/VS2 MVS JES2 COMMAND LANGUAGE REFERENCE SUMMARY
This is a reference card documenting the JES2 Commands Syntax taken from the Operator's Library: OS/VS2 MVS JES2 Commands, GC23-0007, which is the first to reflect changes. This card is used for quick reference to JES2 commands. This card obsoletes Operator's Library: OS/VS2 (JES2) Command Language Reference Summary, GX38-0227.
Card, 8 x 18 inches, scored, 10 panels, 5/77
/////5752-803

GX24-3092

IBM 1050 DATA COMMUNICATIONS SYSTEM TRANSMISSION - LIMITED MAXIMUM-MESSAGE-RATE GRAPH
Graph used to plot message rate of system.
Padded Form, 8 1/2 x 11, 1 side, 25 sheets
NOT AVAILABLE UNDER SLSS

GX24-3124

PLANNING CHART, IBM 1050 DATA COMMUNICATION SYSTEM
This chart provides space for the planning of problems on the IBM 1050 Data Communication System.
Padded Form, 17 x 11, 2 sides, 25 sheets
NOT AVAILABLE UNDER SLSS

GX24-3139

IBM 1050 DATA COMMUNICATION SYSTEM, OPERATOR INSTRUCTION SHEET
This chart provides space for entering data for operating instructions for the IBM 1050 Data Communication System.
Padded Form, 8 1/2 x 11, 2 sides, 25 sheets
NOT AVAILABLE UNDER SLSS

GX24-3285

IBM 1030 DATA COLLECTION SYSTEM, IBM 1031 PROGRAM CHART
This chart provides space for entering data on the IBM 1031 Program for the IBM 1030 Data Collection System.
Padded Form, 11 x 17, 1-1/2 sides, 25 sheets
NOT AVAILABLE UNDER SLSS

GX24-3381

1050 DATA COMMUNICATIONS SYSTEM: PHYSICAL PLANNING TEMPLATE
This template gives a scaled representation of the physical planning specifications for the IBM 1050 Data Communication System.
Template, 8 1/2 x 11, 1 page
//15//1050,1051,1052,1053,1054,1055,1056,1058/

GX24-5101

OS/VS1 TRACE TABLE OVERLAY
This is a clear plastic overlay to be used over VS1 Trace Table printouts when reading dumps. It is a debugging aid. It can be used only with dumps printed under OS/VS1 Releases 1 through 3.1. When placed over the printout, it delimits each of the entries in the trace table and eliminates the need for the user to physically mark, on the dump, the start (or end) of each trace table entry.
Plastic Overlay, 1 page
SLSS - ORDER NO. SUBSCRIPTION ONLY

GX24-6599

MULTIPLE CARD LAYOUT FORM - 80 COLUMN
Used to Layout Field Headings and Other Information for Data Processing Cards.
Padded Form, 8-1/2 x 11, 25 per pad

GX26-1587

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 Summary, 8-1/2 x 3-5/8" folded, 7 folds, 2 sides
SLSS - ORDER NO. SUBSCRIPTION ONLY

GX26-1588

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 Summary, 8-1/2 x 3-5/8" folded, 7 folds, 2 sides
SLSS - ORDER NO. SUBSCRIPTION ONLY

GX26-1618

IBM 2730 TRANSACTION VALIDATION TERMINAL - REFERENCE CARD
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
360,370//14//2730/

GX26-1649

3800 PRINTING SUBSYSTEM OPERATOR REFERENCE CARD
This card summarizes printer conditions and provides page references to primary areas of operator activity. It should be used as a companion publication along with the IBM 3800 Printing Subsystem Operator's Guide, GA26-1634. Reference card, 1 page
//03//3800/

GX26-1651

3800 PRINTING SUBSYSTEM CARE IN HANDLING SUPPLIES
This card provides information on how to store 3800 printer supplies like Toner, Developer, splicing tape and forms overlay negatives prior to usage. It also provides the IBM part numbers for the supplies and information on how to obtain Toner, developer, and splicing tape requirements publications. This card is intended for persons trained to operate the 3800 and should be used along with the IBM 3800 Printing Subsystem Operator's Guide, GA26-1634. Card, 6 Panels, 3 5/8 x 8 1/2" each panel
//03//3800/

GX26-1652

IBM 3800 PRINTING SUBSYSTEM - PRINT LINE AND CHARACTER PITCH GAUGE
Plastic Gauge for measuring the number of print lines that can be placed on various forms. It also can measure the number of characters that can be placed on each line at 10, 12, and 15-Pitch. The gauge is intended for general use by personnel involved in forms layout/planning or operators of the 3800 Printing Subsystem. Plastic Gauge, 1 pg,
SX26-3700

CICS/VS REFERENCE SUMMARY: MASTER TERMINAL OPERATOR
This card is intended primarily for users of CICS/OS/VS and CICS/DOS/VS Version 1, Modification Level 0; however some portions may be used by pre-VS users of CICS. The information presented here is extracted from the Customer Information Control System/Virtual Storage (CICS/VS) System Administrator's Guide (SH20-9006-0). This reference summary will be updated from time to time; however, the basic documentation is the authoritative source and will be the first to reflect changes.

Examples of transactions CSMT, CSST, and CSOT are shown, indicating the minimum input needed. Where appropriate, longer forms of the input are indicated to conform with earlier releases of CICS. Fanfold Card, 15 sections
////5740-XX1, 5746-XX3

SX26-3701

CICS/VS REFERENCE SUMMARY: PROGRAM DEBUGGING
This card is intended primarily as a debugging aid for users of CICS/OS/VS and CICS/DOS/VS. It contains frequently referenced information, which includes:

- o Trace Table entries
- o Summary storage-management information
- o Summary information for control areas and tables:
 - Common Systems Area
 - Task Control Area
 - Terminal Control Table
- o Schematic diagrams of CICS/VS control areas and tables

3-5/8x8-1/2 fanfold card, 16 cards
SLSS - ORDER NO. SUBSCRIPTION ONLY

SX26-3710

VS BASIC FOR VSPC: REFERENCE SUMMARY, PROG 5748-XX1
This is a digest of the VS BASIC Language and of the requirements for its use under VSPC. It assumes the reader is familiar with the language and system details described in VS BASIC Language, GC28-8303, and VS BASIC for VSPC: Terminal User's Guide, SH20-9060, respectively. Card 8 1/2" x 3 5/8", 14 pages, 11/75
////5748-XX1

SX26-3711

VSPC FORTRAN REFERENCE SUMMARY PROG 5748-FO2
This card contains quick reference information for using VSPC FORTRAN under VSPC, which is a program product available with OS/VS1, OS/VS2 MVS and DOS/VS. It includes some commonly-referred-to terminal operating procedures, VSPC FORTRAN language syntax, and lists of the use and syntax of the VSPC commands most frequently used by the VSPC FORTRAN USER. It assumes you are familiar with the FORTRAN IV language as described in the IBM System/360 and System/370 FORTRAN IV Language, GC28-6515, and the VSPC FORTRAN Terminal user's Guide, SH20-9062. Card 8 1/2" x 3 5/8", 14 pages, 4/76
////5748-FO2,5748-FO2

SX26-3712

VS APL (5748-API) REFERENCE SUMMARY

This is a handy guide to the APL language and system commands supported by the IBM program product VS APL. VS APL runs under the IBM program product VS Personal Computing (OS/VS1 VSPC, OS/VS2 VSPC, and DOS/VS VSPC) and under the Conversational Monitor System (CMS) of the Virtual Machine Facility/370 (VM/370).

This publication is directed to general users of VS APL. The user is assumed to be familiar with the APL language, as presented in APL Language, GC26-3847, and system details in the appropriate terminal user's guide: VS APL for CMS: Terminal User's Guide, SH20-9067, or VS APL for VSPC: Terminal User's Guide. Booklet, 8 1/2 x 2 5/8 inches, 20 pages, 1/76
////5748-API

GX26-3713

IBM 3800 PRINTING SUBSYSTEM CHARACTER DESIGN AND CODING FORM

This coding form is for the use of application programmers and system programmers who design and code user-designed characters to be printed by the IBM 3800 Printing Subsystem. Instructions for using the form are in the IBM 3800 Printing Subsystem Programmer's Guide, GC26-3846. Padded Form, 50 sheets, 12/75
NOT AVAILABLE UNDER SLSS

GX27-0024

VTAM (LEVEL 1.1) REFERENCE SUMMARY: VS1 REL 4; VS2 REL 3
This reference summary contains information extracted from other VTAM publications. It describes macro instructions, operator commands RPL return codes, and the VTAM publications series. Primary users will be application programmers, network operators, and system programmers. 16 Panel Cards, 8-1/2 x 3-5/8 inches
/C/30//5741,5752,5745

GX27-0029

DOS/VS VTAM CONTROL BLOCK OVERVIEW

This publication is an overview diagram showing how frequently used control blocks in VTAM relate to each other. This overview can be used in conjunction with DOS/VS VTAM DATA AREAS, SY27-7265-0. It may be inserted in a binder or used as a wall chart. The first two pages of this overview show control block contents and relationships while the third page shows different Resource Definition Table (RDT) segments for various modes. 11x17, 12 pages
/C/30//5745

GX27-0030

OS/VS1 VTAM CONTROL BLOCK OVERVIEW

This publication is an overview diagram showing how frequently used control blocks in VTAM relate to each other. This overview can be used in conjunction with OS/VS1 VTAM Data Areas, SY27-7266. It may be inserted in a binder or used as a wall chart. The first two pages of this overview show control block contents and relationships, while the third page shows different Resource Definition Table (RDT) segments for various modes. Manual, 11x17 inches, 12 pages (4/30/75)
/C/30//5741

GX27-0031

OS/VS2 MVS VTAM (LEVEL 2) CONTROL BLOCK OVERVIEW

This publication is an overview diagram showing how frequently used control blocks in VTAM relate to each other. This overview can be used in conjunction with OS/VS2 VTAM Data Areas, SY27-7267. It may be inserted in a binder or used as a wall chart. The first two pages of this overview show control block contents and relationships, while the third page shows different Resource Definition Table (RDT) segments for various nodes. Manual, 11x17 inches, 12 pages (4/75)
/C/30//5752

GX27-0033

DOS/VS VTAM REFERENCE SUMMARY

This reference summary contains information extracted from other VTAM publications. It describes Macro instructions, operator commands, RPL return codes, and the VTAM publications series. Primary users will be application programmers, network operators, and system programmers. 16 panels, 8-1/2 x 3-5/8 inches, 9/75
/C/30//5745

GX27-0034

OS/VS VTAM (LEVEL 2) REFERENCE SUMMARY

This reference summary contains information extracted from other VTAM publications. It describes macro instructions, commands, return codes and the VTAM Publications Library. It is designed for applications programmers, network operators, and system programmers who need a handy reference card of VTAM information. Reference Summary, 16 pages, 6/76
/C/30//5741,5752

GX27-0048

OS/VS2 SVS VTAM CONTROL BLOCK OVERVIEW

This publication is an overview diagram showing the relationships of frequently used VTAM control blocks. It may be inserted in a binder or used as a wall chart. The first two pages show control block contents and relationships, while the third page shows resource definition (RDT) segments.
Manual, 12 pages, 6/76
/C/30//5742

Acetate overlay, 1 page

SLSS - FESS ORDER NO. SUBSCRIPTION ONLY

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
NOT AVAILABLE UNDER SLSS

GX27-2900

IBM PHYSICAL PLANNING TEMPLATE: COMMUNICATIONS TERMINALS

This template gives a scaled representation of the physical planning specifications for the IBM Communications Terminals.
Template, 8 1/2 x 11, 1 page
//15//

GX27-2951

IBM 3270 INFORMATION DISPLAY SYSTEM LAYOUT SHEET

Card layout sheet for the 3270 Information Display System.
Pad, 25 sheets per pad
NOT AVAILABLE UNDER SLSS

GX27-2901

IMAGE PLANNING CHART - 2760 OPTICAL IMAGE UNIT, REGISTRATION PUNCHING ACME

This form is one of two charts that are used to define the response positions for the IBM 2760 Optical Image Unit.

- o GX27-2901 - ACME
- o GX27-2902 - OXBERRY

They are for use in the preparation of preliminary sketches and final artwork. Instruction for use of this form is included in manual, GA27-3011.
Padded Form, 25 per pad
NOT AVAILABLE UNDER SLSS

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
//39//5752

GX27-2902

IMAGE PLANNING CHART - 2760 OPTICAL IMAGE UNIT REGISTRATION PUNCHING OXBERRY

This form is one of two charts that are used to define the response positions for the IBM 2760 Optical Image Unit.

- o GX27-2901 - ACME
- o GX27-2902 - OXBERRY

They are for use in the preparation of preliminary sketches and final artwork. Instruction for use of this form is included in manual GA27-3011.
Padded Form, 25 per pad
NOT AVAILABLE UNDER SLSS

GX28-0684

OS AND OS/VS SMP REFERENCE SUMMARY

This reference card provides information about the System Modification Program (SMP). This information is intended for use by IBM personnel and system programmers responsible for changing and redesigning the installation's operating system.
This card contains formats and descriptions of the SMP control statements, the update control language (UCL) statements, and the modification format control statements. It also has an SMP data set requirements chart plus sample JCL statements for the SMP data sets.
Reference Summary, 14 pages
//37//5741,5742,5752

GX27-2903

2760 LAYOUT GUIDE (REGISTRATION PUNCHING-ACME)

This is a transparent layout guide for 2760 - Acme.
Plastic Sheet, 14 x 11
SLSS - ORDER NO. SUBSCRIPTION ONLY

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.
Reference Card
//37//5741

GX27-2904

2760 LAYOUT GUIDE (OXBERRY)

This layout guide is for registration punching - Oxberry Type.
Transparent Layout Guide
SLSS - ORDER NO. SUBSCRIPTION ONLY

GX28-1464

COBOL CODING FORM

This form is used for COBOL coding.
Form, 8-1/2 x 11, one side, one sheet
NOT AVAILABLE UNDER SLSS

GX27-2905

IBM 2760 OPTICAL IMAGE LIMIT AUXILIARY SCREEN OVERLAY GUIDE

This form is used by the 2760 operator for Auxiliary Screen Overlay.
Form, 7-1/2 x 9-1/4, 1 sheet
SLSS - ORDER NO. SUBSCRIPTION ONLY

GX28-1520

IBM REFERENCE CARD - COBOL

This reference card is used for COBOL.
Reference Card, 7-1/2 x 3-1/4, 2 folds
360,370//24/OS,OTSO,OASP,CALL//

GX27-2909

2770 DATA COMMUNICATIONS SYSTEM: PHYSICAL PLANNING TEMPLATE

This equipment template on acetate sheet is for the 2770 Data Communication System. Its scale is 1/4 inch equals 1 inch.
Template
//15//2770/

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.
Fanfold Card, 8 panels, 3-3/4 x 8-1/2 folded size
360,1131,1800,3195,5410,1801,1802,5406//25//

GX27-2910

IBM 2795/2796/2797 OPERATING INSTRUCTIONS - FORM

This pad contains operating instructions for the IBM 2795/2796/2797.
Padded form, 50 per pad

GX27-2917

3770 DATA COMMUNICATION SYSTEM PHYSICAL PLANNING TEMPLATE

This template contains plan views for the machines that make up the 3770 Data Communication System. Included are:

- o 3771-3773-3774-3775 Communication Terminals
- o 3782 Card Attachment Unit
- o 3784 Line Printer
- o 3501 Card Reader

Template

//15//3770,3771,3773,3774,3775,3776,3777/

SX28-6385

SYSTEM/370 VS BASIC (TSO REFERENCE SUMMARY)PROG. NO. 5748-XX1

This is a digest of the VS BASIC language and the requirements for its use under the TSO system. It assumes the reader is familiar with the language and system details described in System/370 VS BASIC Language, Order No. GC28-8303, and System/370 BASIC TSO Terminal User's Guide, Order No. SC28-8304, respectively.
Reference Summary, 14 panels
////5748-XX1

GX27-2918

IBM 3770 DATA COMMUNICATION SYSTEM ERROR LOG OVERLAY

This is an acetate overlay used by customer engineers in more easily interpreting error log printouts resulting from following maintenance information procedures given in the IBM 3770 Data Communication System Maintenance Information Base Segments Manuals.

SX28-6386

SYSTEM/370 VS BASIC (CMS) REFERENCE SUMMARY PROG. NO.5748-XX1

This is a digest of the VS BASIC language and the

requirements for its use under the CMS system. It assumes the reader is familiar with the language and system details described in System/370 VS BASIC Language, Order No. GC28-8303, and System/370 VS BASIC CMS Terminal User's Guide, Order No. SC28-8306, respectively.
Reference Card, 14 pages
/////5748-XX1

GX28-6400

IBM TIME SHARING SYSTEM -- QUICK GUIDE FOR USERS
This booklet is a small, hand-held type, quick reference manual on TSS. It provides information on terminals, commands, FORTRAN, and Assembler.
Booklet (3 1/2 X 8 1/2), 112 pages
//40/TSS//

GX28-6401

IBM TIME SHARING SYSTEM - QUICK GUIDE FOR SYSTEM PROGRAMMERS
This booklet is a small, hand-held type, quick reference manual on TSS. It contains reference information on TSSs, Assembler, and Control Blocks.
Booklet (3 1/2 X 8 1/2), 50 pages
//36/TSS//

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
NOT AVAILABLE UNDER SLSS

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
NOT AVAILABLE UNDER SLSS

GX28-6509

IBM SYSTEM/360 ASSEMBLER CODING FORM
Coding form for entry of source data to be keypunched for Assembler programs. May be used for PL/I or other languages
Padded Form, 25 sheets, 8 1/2 x 14, one side
NOT AVAILABLE UNDER SLSS

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/PLI Language.
Program Product Reference Card
/////5734-RC1,5736-RC1

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
/////5734-RC2,5734-RC4

GX28-7327

FORTRAN CODING FORM
This is a form for coding FORTRAN statements.
Padded Form, 8 1/2 x 14, one side, 25 sheets
NOT AVAILABLE UNDER SLSS

SX28-8193

IBM FORTRAN INTERACTIVE DEBUG FOR OS (TSO) AND VM/370 (CMS) REFERENCE CARD - PROGRAM NUMBER 5734-FO5
This reference card contains:
Notation conventions for TESTFORT Subcommands. Instructions for compiling a program for FORTRAN Interactive debug.
Requirements for programs used as input to TESTFORT.
Instructions for invoking TESTFORT under CMS or TSO.
TESTFORT subcommands and their formats.
Reference Summary, 12 panels, fanfold
/////5734-FO5,5734-FO5

SX28-8194

IBM OS COBOL INTERACTIVE DEBUG REFERENCE CARD - PROGRAM PRODUCT 5734-CB4
This card contains reference information for using COBOL Interactive Debug.
Card, 12 pages
/////5734-CB4

GX28-8195

IBM GUIDE TO ANS COBOL PROGRAM PRODUCTS : REFERENCE SUMMARY
This reference summary provides a condensed version of essential information concerning American National Standard COBOL Program Products: DOS Subset, DOS Full, OS Full versions 3 and 4, System/3, 1130, TSO Prompter, and Interactive Debug. For each, it includes operation system

core requirements for compiler, data set compatibility, device support, program number, monthly fee, debugging aids, availability, particular audience, documentation numbers and other important details.
Fanfold card, five panels, pocket size
SLSS - ORDER NO. SUBSCRIPTION ONLY

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
/////5736-PL1

SX33-6002

OS PL/I CHECKOUT AND OPTIMIZING COMPILERS: KEYWORDS REFERENCE SUMMARY, PROG. NOS. 5734-PL1, -PL2, -PL3
Contains a full list of the PL/I keywords implemented by the OS PL/I checkout and optimizing compilers.
The keywords are arranged in alphabetical order and each has a Brief Description of its use.
Reference Card, 16 sides
/////5734-PL1,5734-PL2,5734-PL3

SX33-6005

OS PL/I CHECKOUT AND OPTIMIZING COMPILERS: TERMINAL COMMANDS AND COMPILER OPTIONS REFERENCE SUMMARY-PROG. NOS. 5734-PL1, PL2, PL3
Contains the CMS (Conversational Monitor System) and TSO (Time Sharing Option) commands and subcommands most likely to be used by a PL/I programmer when using the OS PL/I checkout and optimizing compilers in conversational mode. It also contains a full list of the options applicable to both compilers. The commands, subcommands, and options are arranged in alphabetical order, and each has a brief description of its use, and in the case of the commands and subcommands, examples.
Reference Summary (Card), 3-5/8 x 8-1/2, 10 slides
/////5734-PL1,5734-PL3,5734-PL2

SX33-6008

IBM CICS/VS VERSION 1.2 MASTER TERMINAL OPERATOR REFERENCE SUMMARY, PROG PRODS 5740-XX1 (FOR OS/VS) 5746-XX3 (FOR DOS/VS)
This card is intended primarily for users of CICS/OS/VS and CICS/DOS/VS Version 1, modification Level 2. The information presented here is extracted from the CICS/VS System Administrators Guide, SC33-0055.
Reference Summary, 3 5/8 x 8 1/2 inches, 16 sides
SLSS - ORDER NO. SUBSCRIPTION ONLY

SX33-6009

CICS/VS VERSION 1.2 PROGRAM DEBUGGING REFERENCE SUMMARY
This booklet is intended primarily as a debugging aid for users of Version 1-2 CICS/OS/VS and CICS/DOS/VS. It contains frequently referenced information, which includes:
o Trace Table entries
o Summary storage-management information
o Summary information for control areas and tables
- Common Systems Area
- Task Control Area
- Terminal Control Table
o Schematic diagrams of CICS/VS control areas and tables
3 5/8"x 8 1/2" Booklet, 28 pages, 4/76
/////5740-XX1,5746-XX3

SX33-6010

CICS/VS VERSION 1 RELEASE 3 PROGRAM DEBUGGING REFERENCE SUMMARY
This reference summary contains trace table information and storage management information and descriptions of the storage areas that will be useful in debugging a CICS/VS macro level application program. For programs at the command level, the EXEC interface trace table information generally will be sufficient.
Reference summary, 3 5/8 x 8 1/2 inches, 2/77
/////5746-XX3,5740-XX1

SX33-6011

CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE (CICS/VS) VERSION 1 RELEASE 3, REFERENCE SUMMARY: MASTER TERMINAL OPERATOR (5746-XX3 and 5740-XX1)
A quick-reference summary for CICS/VS terminal operators who use the transactions described in the CICS/VS Version 1.3 Operator's Guide (SC33-0080).
Fanfold Card, 3 5/8 x 8 1/2 inches, 12 pgs, 1/77
/////5746-XX3,5740-XX1

SX33-8001

OS/VS SORT/MERGE REFERENCE SUMMARY PROG. PROD. 5740-SM1
Provides a summary of the information needed to prepare program and job control statements for the OS/VS Sort/Merge

program product. The information is summarized from the Programmer's Guide, SC33-4035 which is the authoritative source.

Fanfold card
 ////5740-SM1

GX33-8500

RECORD LAYOUT
 No abstract available.
 50 sheets per pad

GX33-9004

DOS/VS POWER/VS REFERENCE SUMMARY
 Intended as quick reference for programmers and operators using POWER and/or POWER RJE. Shows the formats and summarizes the functions of all POWER JECL statements and of all POWER and POWER RJE commands.
 Reference card, 12 panels, 3-5/8 x 8-1/2
 //36//5745

GX34-0022

IBM 3715 OPERATOR'S REFERENCE SUMMARY
 This reference summary is a supplement to the printer section of the IBM 3741 Data Station Operator's Guide, GA21-9131. Common ribbon, forms, and printing problems are listed with corrective actions. Also included are ribbon changing, forms loading, and print adjustment procedures. It is intended that this summary will enable operators to correct minor machine problems and minimize down time.
 Manual, 3 5/8 x 8 1/2 inches, 10 pgs, 4/77
 //08//3715/

GX34-0041

IBM 5230 DATA COLLECTION SYSTEM 5231 MODEL 1 CONSOLE GUIDE
 This console guide contains a quick and easy set of instructions for operating the IBM 5231 Model 1 controller.
 Reference Card, 8 1/2 x 3 3/4, 10 panels, 12/75
 5231//10//

GX34-0042

IBM 5230 DATA COLLECTION SYSTEM 5231 MODEL 2 CONSOLE GUIDE
 This console guide contains a quick and easy set of instructions for operating the IBM 5231 Model 2 controller.
 Reference Card, 8 1/2 x 3 3/4, 12 panels, 12/75
 5231//09//

GX34-0043

IBM 5230 DATA COLLECTION SYSTEM 5231 MODEL 3 CONSOLE GUIDE
 This console guide contains a quick and easy set of instructions for operating the IBM 5231 Model 3 controller.
 Reference card, 8 1/2 x 3 3/4, 10 panels, 12/75
 5231//10//

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
 360,370//05//2401,2404,2415,2420,3420/

GX38-0227

OPERATOR'S LIBRARY: OS/VS2 JES2 COMMAND LANGUAGE REFERENCE SUMMARY
 This reference card shows the syntax of operator commands for a system console operator running a System/370 under OS/VS2 with JES2. Before using this card, the reader must be familiar with Operator's Library: OS/VS2 Reference (JES2), GC38-0210.
 Reference Card
 //40//5752

LYA4-3001

CICS DOS/VS, PROG PROD 5746-XX3 V1 R3.0, ASSEMBLER LISTINGS
 This document contains assembler listings for all CICS DOS/VS modules and tables supplied in pre-generated form. This document is intended for use by IBM and customer personnel for the detection and correction of program design errors.
 Microfiche, 100 cards
 SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYA4-3002

CICS OS/VS V1 R3.0 PROG PROD 5740-XX1, LISTINGS
 This document contains assembler listings for all CICS OS/VS modules and tables supplied in pre-generated form. This document is intended for use by IBM and Customer Personnel for the detection and correction of Program design errors.
 Microfiche, 100 cards, 4/77
 SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYBO-0626

APL/360 - DOS ASSEMBLY LISTINGS, PROGRAM NUMBER 5736-XM6, FEATURE CODE 8065, FE SERVICE NUMBER 200157
 This set of microfiche cards contains the assembly listings of the APL/360 - DOS Program.
 Microfiche
 SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYBO-0631

INFORMATION MANAGEMENT SYSTEM (IMS/360) VERS. 2 DATA BASE LISTINGS, VOL. 3, PROG. PROD. 5734-XX6 MAINTENANCE RELEASE OF IMS/360 TO 2.4.1
 Contains Type I OS program listings as specified in the title.
 Microfiche
 SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYBO-0632

INFORMATION MANAGEMENT SYSTEM/360, VERSION 2, VOLUME 4, DATA COMMUNICATION LISTINGS, MICROFICHE PROG. PROD. 5734-XX6, FEATURE CODE 8083
 Contains Type I OS program listings as specified in the title.
 Microfiche
 SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYBO-0724

CUSTOMER INFORMATION CONTROL SYSTEM/DOS - ENTRY (CICS/DOS-ENTRY) LISTINGS, PROG. PROD. 5736-XX6
 Contains Type I OS program listings as specified in the title.
 Microfiche
 SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYBO-0735

CUSTOMER INFORMATION CONTROL SYSTEM/DOS STANDARD (CICS/DOS-STANDARD) LISTINGS, PROG. PROD. 5736-XX7
 Contains Type I OS program listings as specified in the title.
 Microfiche
 SLSS - IBM INTERNAL SUBSCRIPTION ONLY

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
 SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYBO-0834

INTERACTIVE QUERY FEATURE (IQF) TO IMS/360: MICROFICHE LISTINGS - PROGRAM NUMBER 5734-XX6
 Contains Type I OS program listings as specified in the title.
 Microfiche
 SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYBO-0839

DATA LANGUAGE/I DOS/VS LISTING - PROG. NO. 5746-XX1
 Contains Type I OS program listings as specified in the title.
 Microfiche
 SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GYBO-0854

ASYMMETRIC MULTIPROCESSING SYSTEM FOR 360, 370 (ASP) PROGRAM LISTING MICROFICHE, PROG NO 360A-CX-15X
 Contains Type I OS program listings as specified in the title.
 Microfiche, 5/77
 SLSS - ORDER NO. SUBSCRIPTION ONLY

GYBO-0856

S/370 HASP II VERSION 4 MICROFICHE - PROGRAM NUMBER 370H-TX-001
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

LYBO-0864

GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) BASIC RETRIEVAL SYSTEM MICROFICHE - PROGRAM NUMBER 5734-XX1
 Contains Type I OS program listings as specified in the title.
 Microfiche
 SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYBO-0865

GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) ARITHMETIC STATEMENT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
 Contains Type I OS Program Listings as specified in the title.

Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYBO-0866

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

Contains Type I OS program listings as specified in the title.

Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYBO-0867

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

Contains Type I OS program listings as specified in the title.

Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYBO-0868

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

Contains Type I OS program listings as specified in the title.

Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYBO-0869

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

Contains type I OS Program Listings as specified in the title.

Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYBO-0870

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

Contains Type I OS program listings as specified in the title.

Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYBO-0871

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

Contains Type I OS program listings as specified in the title.

Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYBO-0872

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

Contains Type I OS program listings as specified in the title.

Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYBO-0873

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

Contains Type I OS program listings as specified in the title.

Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYBO-0874

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

Contains Type I OS program listings as specified in the title.

Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYBO-0875

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

Contains Type I OS program listings as specified in the title.

Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYBO-0876

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

Contains Type I OS program listings as specified in the title.

Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

SYBO-0900

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

SYBO-0901

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

LYBO-2010

A PROGRAMMING LANGUAGE SHARED VARIABLE LISTINGS
(APLSV PRPQ WE1191) (PROGRAM NO. 5799-AJF)

Contains Type I OS program listings as specified in the title.

Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYBO-2046

FASTER LANGUAGE FACILITY VERSION 1.0 (FLF/CICS/VS): LISTINGS
PROG. NOS. 5740-XX1 (OS), 5746-XX3 (DOS)

This Microfiche Publication contains the listings for the FLF/CICS/VS Program.

Microfiche
SLSS - INTERNAL SUBSCRIPTION ONLY

LYBO-2218

EXTM, PROG PROD 5746-XX3

No abstract available

Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYBO-2221

TELECOMMUNICATIONS ACCESS METHOD, IMS/VS INTERFACE (TCAM)
PROG PROD 5740-XXC

This Microfiche Publication Contains the Listings for the TCAM IMS/VS Interface.

Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYBO-2257

TELECOMMUNICATIONS CONTROL SYSTEM - ADVANCED FUNCTIONS
(TCF-AF) PROG PROD 5740-XXD

This Microfiche Publication Contains the Listings for TCS-AF.

Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYBO-8008

CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE
(CICS/VS) LISTINGS (OS) PROG. PROD. 5740-XX1

Contains Type I OS program listings as specified in the title.

Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYBO-8009

CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE
(CICS/VS) LISTINGS (DOS) PROG. PROD. 5746-XX3

Contains SCP program listings for DOS/VS as specified in the title.

Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYBO-8016

IMS/VS V1 SYSTEM LISTINGS PROG PROD 5740-XX2

Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.

Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYBO-8017

IMS/VS V1 DATA COMMUNICATION FEATURE LISTINGS
PROG PROD 5740-XX2

Contains Type I OS program listings as specified in the title.

Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

- LYB0-8018
IMS/V5 V1 INTERACTIVE QUERY FACILITY LISTINGS, PROG 5740-XX2
Contains SCP program listings for OS/V51 and/or OS/V52 as specified in the title.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY
- LYB0-8023
GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/V5) LISTINGS FOR BASIC QUERY FEATURE PROG. PROD. 5740-XX7
This microfiche publication contains the assembly listings for the Basic Query Feature of the GIS/V5.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY
- LYB0-8024
GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/V5) LISTINGS FOR ADVANCED QUERY FEATURE PROG. PROD. 5740-XX7
This microfiche publications contains the assembly listings for the Advanced Query Feature of GIS/V5.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY
- LYB0-8025
GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/V5) LISTINGS FOR MODIFY FEATURE PROG. PROD. 5740-XX7
This microfiche publication contains the assembly listings for the Modify feature of GIS/V5.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY
- LYB0-8026
GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/V5) LISTINGS FOR THE UPDATE/CREATE FEATURE PROG. NO. 5740-XX7
This microfiche publication contains the assembly listings for the Update/Create Feature of GIS/V5.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY
- LYB0-8033
PTF NO. 5740-XX2-C-0004 FOR INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/V5) DATA BASE LISTINGS - VOLUME 3
Contains SCP program listings for OS/V51 and/or OS/V52 as specified in the title.
Available to each licensee under the licensing agreement from IBM Program Control Center. Available to IBM personnel from IBM Distribution Center.
Microfiche, 1075
SLSS - IBM INTERNAL SUBSCRIPTION ONLY
- LYB0-8034
PTF NO. 5740-XX2-C-004F FOR INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/V5) DATA COMMUNICATION LISTINGS - VOLUME 4
Contains SCP program listings for OS/V51 and/or OS/V52 as specified in the title.
Microfiche, 10/75
SLSS - IBM INTERNAL SUBSCRIPTION ONLY
- LYB0-8035
PTF NO. 5740-XX2-C-004F FOR INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/V5) INTERACTIVE QUERY FACILITY LISTINGS - VOLUME 6
Contains SCP program listings for OS/V51 and/or OS/V52 as specified in the title.
Available to each licensee under the licensing agreement from IBM Program Control Center. Available to IBM personnel from IBM Distribution Center.
Microfiche, 10/75
SLSS - IBM INTERNAL SUBSCRIPTION ONLY
- LYB0-8038
IMS/V5 VI MSC LISTINGS - PROG PROD 5740-XX2
Listings for the above OS/V51 and/or OS/V52 program.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY
- LYB0-8042
APL SHARED VARIABLES (APLSV) VERSION 3, LISTINGS, PROG 5799-AQC
Microfiche listings for Program Product in title. Available to each licensee under the licensing agreement from IBM Program Control Center. Available to IBM personnel from IBM Distribution Center.
Microfiche, 4/76
SLSS - IBM INTERNAL SUBSCRIPTION ONLY
- LYB0-8043
VS PERSONAL COMPUTING OS/V51, LISTINGS, PROG PROD 5740-XR5
Contains SCP program listings for OS/V51 and/or OS/V52 as specified in the title.
Microfiche, 4/76
SLSS - IBM INTERNAL SUBSCRIPTION ONLY
- LYB0-8044
VSPC FORTRAN PROGRAM LISTINGS, PROG PROD 5748-FO2
Microfiche listings for Program Product in title. Available to each licensee under the licensing agreement from IBM Program Control Center. Available to IBM personnel from IBM Distribution Center.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY
- LYB0-8045
VS PERSONAL COMPUTING OS/V52 PROG 5740-XR6
Microfiche listings for subject Program Product
Microfiche, 8/76
SLSS - ORDER NO. SUBSCRIPTION ONLY
- LYB0-8046
DOS/V5 VS PERSONAL COMPUTING (VSPC) PROG PROD 5746-XR3, ICR LISTINGS
Contains SCP program listings for DOS/V5 as specified in the title.
Microfiche, 9/76
- LYB0-8048
DOS/V5 VSPC CROSS REFERENCE AND DATA AREAS PROG PROD 5746-XR3
Microfiche contains three cross-reference reports:
Symbol where used
Macro where used
Macro what used
and data area descriptions.
Microfiche, 10/76
- SYB0-8090
OS/V52 RELEASE 3 INDEPENDENT COMPONENT: JES3 ASSEMBLY LISTINGS AND CROSS-REFERENCE TABLE
JES3 assembly listings and cross-reference table are provided primarily to aid the IBM Field Engineering program support representative in diagnosing and correcting program errors.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY
- GYB0-8501
MICROFICHE FOR IBM SYSTEM/370 DISTRIBUTED SYSTEM - PROGRAM NUMBER 360A-TX-032
Program assembly listings for all source modules excluding macros.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY
- GYB1-0012
OS BSAM LOGIC FOR 1419/1275 (MICROFICHE)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract of GY21-0012, same title as above.
Microfiche, 2/76
SLSS - ORDER NO. SUBSCRIPTION ONLY
- GYB1-0013
OS DATA MANAGEMENT MACRO LOGIC FOR 1285/1287/1288 (MICROFICHE)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract for GY21-0013, same title as above.
Microfiche, 2/76
SLSS - ORDER NO. SUBSCRIPTION ONLY
- LYB1-0450
S/360 DOS RPG II COMPILER, LISTINGS, PROG. PROD. 5736-RG1
Microfiche assembly listings of DOS RPG II, 5736-RG1
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY
- SYB4-5155
OS/V51 SUPERVISOR LOGIC (MICROFICHE EDITION)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract for SY24-5155-0, same title as above.
Microfiche, 2/76
SLSS - ORDER NO. SUBSCRIPTION ONLY
- SYB4-5156
OS/V51 I/O SUPERVISOR LOGIC (MICROFICHE EDITION)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract for SY24-5156-0, same title as above.
Microfiche, 2/76
SLSS - ORDER NO. SUBSCRIPTION ONLY
- SYB4-5159
OS/V51 CHECK POINT/RESTART LOGIC (MICROFICHE EDITION)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract of SY24-5159, same title as above.
Microfiche, 2/76

SLSS - ORDER NO. SUBSCRIPTION ONLY

SYB4-5160

OS/VS1 IPL AND NIP LOGIC (MICROFICHE EDITION)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract for SY24-5160-0, same title as above.
Microfiche, 2/76
SLSS - ORDER NO. SUBSCRIPTION ONLY

SYB4-5162

OS/VS 3886 OPTICAL CHARACTER READER MODEL 1 LOGIC (MICROFICHE)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract of SY24-5162, same title as above.
Microfiche, 2/76
SLSS - ORDER NO. SUBSCRIPTION ONLY

SYB4-5163

OS/VS 3890 DOCUMENT PROCESSOR LOGIC (MICROFICHE EDITION)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract of SY24-5163, same title as above.
Microfiche, 2/76
SLSS - ORDER NO. SUBSCRIPTION ONLY

GYB4-5164

OS/VS1 MASTER INDEX OF LOGIC (MICROFICHE EDITION)
This microfiche is equivalent to GY24-5164-1.
Microfiche (7/75)
SLSS - ORDER NO. SUBSCRIPTION ONLY

SYB4-5166

OS/VS1 LOGIC FOR IBM 3540 (MICROFICHE EDITION)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract for SY24-5166-0, same title as above.
Microfiche, 2/76
SLSS - ORDER NO. SUBSCRIPTION ONLY

SYB4-5168

OS/VS1 JOB MANAGEMENT LOGIC VOL 1 (MICROFICHE EDITION)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract for SY24-5168-0, same title as above.
Microfiche, 2/76
SLSS - ORDER NO. SUBSCRIPTION ONLY

SYB4-5169

OS/VS1 JOB MANAGEMENT LOGIC VOL 2 MICROFICHE EDITION)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract for SY24-5169-0, same title as above.
Microfiche, 2/76
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SYB4-5170

OS/VS1 RMS LOGIC MICROFICHE
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract for SY24-5170-0, same title as above.
Microfiche, 2 cards, 5/77

SYB6-3814

OS/VS LOADER LOGIC (MICROFICHE EDITION)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract of SY26-3814, same title as above.
Microfiche, 2/76
SLSS - ORDER NO. SUBSCRIPTION ONLY

SYB6-3815

OS/VS LINKAGE EDITOR LOGIC (MICROFICHE EDITION)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract of SY26-3815, same title as above.
Microfiche, 2/76
SLSS - ORDER NO. SUBSCRIPTION ONLY

SYB6-3836

OS/VS1 BDAM LOGIC (MICROFICHE EDITION)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract of SY26-3836, same title as above.
Microfiche, 2/76
SLSS - ORDER NO. SUBSCRIPTION ONLY

SYB6-3837

OS/VS1 DADSM LOGIC (MICROFICHE EDITION)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract of SY26-3837, same title as above.
Microfiche, 2/76
SLSS - ORDER NO. SUBSCRIPTION ONLY

SYB6-3838

OS/VS1 ISAM LOGIC (MICROFICHE EDITION)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract of SY26-3838, same title as above.
Microfiche, 2/76
SLSS - ORDER NO. SUBSCRIPTION ONLY

SYB6-3839

OS/VS1 OPEN/CLOSE/EOV LOGIC (MICROFICHE EDITION)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract of SY26-3839, same title as above.
Microfiche, 2/76
SLSS - ORDER NO. SUBSCRIPTION ONLY

SYB6-3840

OS/VS1 SAM LOGIC (MICROFICHE EDITION)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract for SY26-3840, same title as above.
Microfiche, 2/76
SLSS - ORDER NO. SUBSCRIPTION ONLY

SYB6-3841

OS/VS1 VIRTUAL STORAGE ACCESS METHOD (VSAM) LOGIC (MICROFICHE EDITION)
(MICROFICHE EDITION)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract for SY26-3841, same title as above.
Microfiche, 2/76
SLSS - ORDER NO. SUBSCRIPTION ONLY

SYB6-3842

OS/VS2 VSAM CROSS REFERENCE
Microfiche document addressed to Program Support Representatives (PSRs). Document contains three cross reference reports about VSAM OS/VS2:
o Symbol where used report, which tells what VSAM modules use each symbolic name defined in VSAM
o Macro Where Used Report, which tells what VSAM modules use each macro defined in VSAM
o Control Flow Report, which tells how control flows between modules and procedures of VSAM
OS/VS2 Virtual Storage Access Method (VSAM) Logic, SY26-3825, is prerequisite.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SYB6-3848

OS/VS2 ICR: CATALOG MANAGEMENT CROSS REFERENCE OS/VS2 ENHANCED VSAM ICR
Contains two cross-reference reports -- Symbol Where Used Report and Macro Where Used Report -- that tell what catalog management modules use each symbolic name and macro. Intended for the maintenance and debugging of catalog management.
Applies to OS/VS2 Enhanced VSAM as an independent component of OS/VS2, Release 3; does not apply to the VSAM and catalog management support that is integral to Release 3.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SYB6-3849

OS/VS2 ICR: VSAM CROSS REFERENCE OS/VS2 ENHANCED VSAM ICR
Contains three cross-reference reports -- Symbol Where Used Report, Macro Where Used Report, and Control Flow Report -- that tell what VSAM modules use each symbolic name and macro, and how control flows among the modules and procedures of VSAM. Intended for the maintenance and debugging of VSAM. Applies to OS/VS2 Enhanced VSAM as an independent component of OS/VS2, Release 3; does not apply to the VSAM Support that is integral to Release 3.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SYB6-3851

OS/VS AP-1 PLM FICHE
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract for SY26-3851-0, same title as above.
Microfiche, 2 cards, 5/77

SYB7-7239

OS/VS1 RMS LOGIC (MICROFICHE EDITION): REL 5
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract for SY27-7239-0, same title as above.
Microfiche, 2/76
SLSS - ORDER NO. SUBSCRIPTION ONLY

SYB7-7240

OS/VS GRAPHICS ACCESS METHOD LOGIC (MICROFICHE EDITION)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract of SY27-7240, same title as above.
Microfiche, 2/76
SLSS - ORDER NO. SUBSCRIPTION ONLY

SYB7-7241

OS/VS GRAPHICS PROBLEM-ORIENTED ROUTINES LOGIC (MICROFICHE)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract of SY27-7241, same title as above.
Microfiche, 2/76
SLSS - ORDER NO. SUBSCRIPTION ONLY

SYB7-7242

OS/VS GRAPHIC SUBROUTINE PACKAGE (GSP) FOR FORTRAN IV, COBOL AND PL/I LOGIC (MICROFICHE EDITION)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract of SY27-7242, same title as above.
Microfiche, 2/76
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SYB7-7246

OS/VS BTAM LOGIC (MICROFICHE EDITION)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract for SY27-7246-0, same title as above.
Microfiche, 2/76
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SYB7-7256

INTRODUCTION TO VTAM LOGIC (MICROFICHE EDITION)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract for SY27-7256-0, same title as above.
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SYB7-7257

OS/VS1 VTAM LOGIC (MICROFICHE EDITION)
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SYB7-7266

OS/VS1 VTAM DATA AREAS (MICROFICHE EDITION)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract for SY27-7266-0, same title as above.
MICROFICHE, 2/76
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SYB7-7271

OS/VS1 VTAM EXECUTION SEQUENCES (MICROFICHE EDITION)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract for SY27-7271-0, same title as above.
Microfiche, 2 cards, 5/77

SYB8-0605

OS/VS1 SYSTEM DATA AREAS (MICROFICHE EDITION)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract for SY28-0605-0, same title as above.
Microfiche, 2/76
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SYB8-0606

OS/VS2 DATA AREAS
Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SYB8-0635

OS/VS1 SERVICE AIDS LOGIC (MICROFICHE EDITION)
This microfiche set is equivalent to SY28-0635-0.
Microfiche, 2/76
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SYB8-0660

OS/VS1 RES ACCOUNT FACILITY LOGIC (MICROFICHE EDITION)
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Microfiche, 2/76
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SYB8-0662

OS/VS1 OLTEP LOGIC (MICROFICHE EDITION)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract of SY28-0662, same title as above.
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SYB8-0664

DOS/VS AND OS/VS TOLTEP LOGIC (MICROFICHE EDITION)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract for SY28-0664-0, same title as above.
MICROFICHE, 2/76
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SYB8-0669

OS/VS1 SYS1-LOGREC ERROR RECORDING LOGIC (MICROFICHE EDITION)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract for SY28-0669-0, same title as above.
Microfiche, 2/76
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SYB8-0672

OS/VS1 DYNAMIC SUPPORT SYSTEM LOGIC (MICROFICHE EDITION)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract of SY28-0672, same title as above.
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SYB8-0685

OS/VS SYSTEM MODIFICATION PROGRAM (SMP) LOGIC (MICROFICHE)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract of SY28-0685, same title as above.
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SYB8-0742

OS/VS2 MVS DATA AREA USAGE TABLE
This publication provides OS/VS2 (MVS) Data Area Usage Table information for use in debugging user or system programs. The user of this publication should have knowledge of OS/VS2 functions and logic. It is intended primarily for IBM programming support representatives.
The Data Area Usage Table is the same as was in the OS/VS2 System Logic Library - Volume 7 (SY28-0719).
Microfiche
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SYB8-0743

OS/VS2 (MVS) DIRECTORY
This publication provides OS/VS2 (MVS) Directory information for use in debugging User or system programs. The user of this publication should have a working knowledge of OS/VS2 functions and logic. It is intended primarily for IBM Programming Support Representatives.
The Directory is the same as was in the OS/VS2 System Logic Library - Volume 7 (SY28-0719).
Microfiche
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SYB8-0744

OS/VS2 MVS SYMBOL USAGE TABLE
This publication provides OS/VS2 MVS Data Area Usage Table information for use in debugging user or system programs. The user of this publication should have a working knowledge of OS/VS2 functions and logic. It is intended primarily for IBM Programming Support Representatives.
The Data Area Usage Table is the same as was in the OS/VS2 System Logic Library - Volume 7 (SY28-0719-0).
Microfiche
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LYB8-0768

OS/VS2 MVS TSO COMMAND PACKAGE DATA AREAS PROG 5740-XT6
This publication provides OS/VS2 (MVS) Data Areas for use in installing and debugging OS/VS2 MVS TSO Command Package.
The user of this publication should have a working knowledge of OS/VS2 functions and logic. It is intended primarily for IBM Programming Support Representatives.
Microfiche, 1 card, 8/76
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LYB8-0769

OS/VS2 MVS TSO COMMAND PACKAGE DIRECTORY PROG 5740-XT6
This publication provides OS/VS2 (MVS) Data Areas for use in installing and debugging OS/VS2 MVS TSO Command Package.
The user of this publication should have a working knowledge of OS/VS2 functions and logic. It is intended primarily for IBM Programming Support Representatives.
Microfiche, 1 card, 9/76
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYB8-0770

OS/VS2 MVS RESOURCE ACCESS CONTROL FACILITY (RACF) DATA AREAS
This publication provides OS/VS2 (MVS) Data Areas for use in installing and debugging OS/VS2 MVS Resource Access Control Facility. The user of this publication should have a working knowledge of OS/VS2 functions and logic. It is intended primarily for IBM Programming Support Representatives.
Microfiche
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LYB8-0771

OS/VS2 MVS RESOURCE ACCESS CONTROL FACILITY (RACF) DIRECTORY
This publication provides OS/VS2 (MVS) Directory information for use in installing and debugging OS/VS2 MVS Resource Access Control Facility. The user of this publication should have a working knowledge of OS/VS2 functions and logic. It is intended primarily for IBM Programming Support Representatives.
Microfiche
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SYB8-6849

OS/VS1 RES RTAM & WORKSTATION SUPPORT LOGIC (MICROFICHE)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract for SY28-6849-0, same title as above.
Microfiche, 2/76
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GYC0-2011

OS/MFT, OS/MVT, AND OS/VS1: CRJE LOGIC - PROG 360-RC-551 & SCP COMPONENT 5741-SCL-08 (MICROFICHE EDITION)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract of GY30-2011, same title as above.
Microfiche, 2/76
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SYC0-2069

OS/VS1 TCAM LOGIC (MICROFICHE EDITION)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract for SY30-2069-0, same title as above.
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SYC0-3017

SYSTEM/370 SUBSYSTEM SUPPORT SERVICES LOGIC (MICROFICHE)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract for SY30-3017-0, same title as above.
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SYC0-9000

IBM VM/370 RSCS LISTINGS, PROGRAM NO. 5749-010
This publication is for the VM/370 Remote Spooling Communication Subsystem, (RSCS), Microfiche Program Listings. Contains SCP program listings for VM/370 as specified in the title.
Microfiche
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SYC0-9001

VM/370 IPCS MICROFICHE
This publication is for the VM/370 Interactive Problem Control System (IPCS) Program Listings.
Microfiche
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SYC3-8041

OS/VS AND VM/370 ASSEMBLER LOGIC (MICROFICHE EDITION)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract of SY33-8041, same title as above.
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SYC5-0003

OS/VS1 CATALOG MANAGEMENT LOGIC (MICROFICHE EDITION)
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SYC5-0005

OS/VS UTILITIES LOGIC (MICROFICHE EDITION)
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SYC5-0008

OS/VS1 ACCESS METHOD SERVICES LOGIC (MICROFICHE EDITION)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract for SY35-0008, same title as above.
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SYC5-0012

OS/VS1 MSSC LOGIC (MICROFICHE EDITION)
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SYC5-0014

OS/VS MSC TRACE REPORTS LOGIC (MICROFICHE EDITION)
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SYC5-0015

OS/VS MASS STORAGE SYSTEM SERVICES LOGIC (MICROFICHE)
This is a microfiche copy of a logic manual that is also available as a printed manual. For a description of its contents, see the abstract for SY35-0015, same title as above.
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SYC5-0016

OS/VS MSC TABLE CREATE LOGIC (MICROFICHE EDITION)
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SYC7-0450

DOS/VS ANALYSIS PROGRAM 1, LISTINGS - SCP COMPONENT 5745-SC-APC
This document contains assembler listings for all DOS/VS analysis program modules, 5745-SC-APC.
Microfiche
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SYC7-0451

DOS/VS MAINTAIN SYSTEM HISTORY LISTING
Microfiche Assembly Listings of DOS/VS Maintain System History, 5745-SC-UTS
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SYC7-0452

DOS/VS OLTEP (CARDLESS)
INDEPENDENT COMPONENT RELEASE 33.0
This document contains assembler listings for DOS/VS OLTEP (Cardless) Independent Component Release 33.0. "Cardless" refers to a computer system which has no card reader or card punch equipment configured, but does have a 3540 Diskette I/O unit in lieu of card equipment. Two manuals support DOS/VS OLTEP "Cardless" R 33.0: GC33-5383-2, DOS/VS OLTEP; SY33-8568-1, DOS/VS OLTEP Logic. DOS/VS OLTEP (Cardless)

R33.0 is intended for use by IBM Customer Engineers; however, the customer can use it to help isolate system failures or to periodically check I/O devices.
Microfiche

LYC7-0453

ADVANCED FUNCTIONS - DOS/V5 ATTENTION ROUTINES 5746-E2-AIT
Microfiche Assembly Listings for all Advanced Functions - DOS/V5 Attention Routine Modules.
Microfiche, 3,2 x 7,4 cm, 1 card, 3/77
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LYC7-0454

ADVANCED FUNCTIONS - DOS/V5 DISPLAY OPERATOR
CONSOLE 5746-E2-DOC
Microfiche Assembly Listings for all Advanced Functions - DOS/V5 DOC Modules
Microfiche, 3,2 x 7,4 cm, 1 card, 3/77
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LYC7-0455

ADVANCED FUNCTIONS - DOS/V5 IPL AND BUFFER LOAD, 5746-E2-IPL
Microfiche Assembly Listings for all Advanced Functions - DOS/V5 IPL Modules.
Microfiche, 3,2 x 7,4 cm, 1 card, 3/77
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LYC7-0457

ADVANCED FUNCTIONS DOS/V5 LIBRARIAN 5746-E2-LBR MICROFICHE
Microfiche Assembly Listings for all Advanced Functions DOS/V5 Librarian modules.
Microfiche, 3,2 x 7,4 cm., 4 cards, 3/77
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LYC7-0458

ADVANCED FUNCTIONS DOS/V5 LINKAGE EDITOR 5746-E2-LNK
MICROFICHE
Microfiche Assembly Listings for all Advanced Functions DOS/V5 Linkage Editor modules.
Microfiche, 3,2 x 7,4 cm., 1 card, 3/77
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LYC7-0459

ADVANCED FUNCTIONS DOS/V5 PDAIDS 5746-E2-PDA MICROFICHE
Microfiche Assembly Listings for all Advanced Functions - DOS/V5 PDAID modules.
Microfiche, 3,2 x 7,4 cm., 3 cards, 3/77
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LYC7-0460

ADVANCED FUNCTIONS - DOS/V5 SUPERVISOR 5746-E2-SUP
Microfiche Assembly Listings for all Advanced Functions - DOS/V5 Supervisor Modules.
Microfiche, 3,2 x 7,4 cm, 3 cards, 3/77
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LYC7-0901

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 DASF 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 DASF. Allow sorting in 10K for all DASD and DASF 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
SLSS - ORDER NO. SUBSCRIPTION ONLY

LYC7-0903

DOS/V5 SORT/MERGE 1.3 LISTING, PROG PROD 5746-SM1
This set of microfiche cards contains program listings of all the modules of DOS/V5 SORT/MERGE, 5746-SM1. Together with the program logic manual for DOS/V5 SORT/MERGE Order No. LY33-3038, they are intended for use by field engineering in support of the program.
Microfiche
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LYC7-0904

OS/V5 SORT MERGE 3.0 LISTING, PROG PROD 5740-SM1
The microfiche cards contain program listings of all modules, of OS/V5 Sort/Merge, 5740-SM1, through PTF 5740-SM1-F-0030. Together with the microfiche no. LNC7-2711, and the program logic manual for OS/V5 Sort/Merge order no. LY33-8042-5 they are intended for use by field engineering in support of the program.
Microfiche, 277 cards, 3/77
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LYC7-0905

PROGRAM LISTING, PROGRAM PRODUCT DOS/V5 SORT/MERGE
2.0, PROG PROD 5746-SM2
These microfiche cards contain program listings of all modules of DOS/V5 Sort/Merge, 5746-SM2. Together with the program logic manual for DOS/V5 Sort/Merge, Order No. LY33-8044, they are intended for use by Field Engineering in support of the program.
Microfiche, 104 cards, 5/77
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SYC7-1117

SYSTEM/370 OS MULTIFONT PREPROCESSOR SUPPORT LISTINGS
PROGRAM NUMBER 360A-TX-031
System/370 OS Preprocessor Support assembly listings.
Microfiche
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SYC7-1118

SYSTEM/370 OS/V5 MULTIFONT PREPROCESSOR SUPPORT LISTINGS
PROGRAM NUMBER 5744-AE1
System/370 OS/V5 Preprocessor Support assembly listings.
Microfiche
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SYC7-1119

SYSTEM/370 DOS MULTIFONT PREPROCESSOR SUPPORT LISTINGS
PROG. NO. 360A-TX-030
System/370 DOS Preprocessor Support assembly listings.
Microfiche
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LYC7-1317

DOS RPG II AUTO REPORT FEATURE (6017-6020, 6035-6036)
SOURCE LISTINGS, PROG PROD 5736-RG1
Microfiche assembly listings of DOS RPG II Auto Report Feature (6017-6020, 6035-6036)
Microfiche
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SYC7-1701

BATCH TRANSFER PROGRAM DOS/V5 LISTINGS PROG. NO. 5747-BW1
Contains program listings for DOS/V5 as specified in the title.
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SYC7-1702

BATCH TRANSFER PROGRAM OS/V51 LISTINGS - PROG. NO. 5744-CG1
Microfiche assembly listings of the Batch Transfer Program, OS/V51 - 5744-CG1
Microfiche
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SYC7-1703

BATCH TRANSFER PROGRAM OS/V52 MVS SCP 5744-CG2
Microfiche assembly listings of the Batch Transfer Program (5744-CG2) to support OS/V52 MVS release 3.7.
Microfiche
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SYC7-1704

BATCH TRANSFER PROGRAM OS/V52 SVS SCP 5744-CH1
Microfiche assembly listings of the Batch Transfer Program (5744-CH1) to support OS/V52 SVS Release 1.7.
Microfiche
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GYC7-1900

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.
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GYC7-1901

SYSTEM/370 DISK OPERATING SYSTEM MICROFICHE ASSEMBLY
LISTINGS - SYSTEM CONTROL/BASIC IOCS - PROGRAM
NUMBER 370N-CL-453
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GYC7-1902

DOS 27.1 DIRECT ACCESS METHOD, ASSEMBLY LISTINGS,
PROG. NO. 370N-IO-454
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GYC7-1903

DOS 27 SEQUENTIAL DISK IOCS MICROFICHE LISTINGS - PROGRAM NUMBER 370N-IO-455
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DOS 27 MAGNETIC TAPE IOCS MICROFICHE LISTINGS - PROGRAM NUMBER 370N-IO-456
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DOS 27 ISFMS MICROFICHE LISTING - PROGRAM NUMBER 370N-IO-457
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DOS-27 PAPER TAPE IOCS - MICROFICHE LISTINGS PROGRAM NUMBER 360N-IO-458
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DOS 27 SYSTEM UTILITY PROGRAMS, 370N-UT-491 MICROFICHE LISTING
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S/370 DISK OPERATING SYSTEM ENVIRONMENTAL RECORDING AND EDITING PROGRAM 370N-UT-492
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S/370 DISK OPERATING SYSTEM BASIC TELECOMMUNICATIONS ACCESS METHOD ASSEMBLY LISTINGS, PROGRAM NUMBER 370N-CQ-469
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GYC7-1910

S/370 DISK OPERATING SYSTEM QUEUED TELECOMMUNICATIONS ACCESS METHOD ASSEMBLY LISTINGS, PROGRAM NUMBER 370N-CQ-470
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GYC7-1911

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
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GYC7-1912

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.
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S/370 DISK OPERATING SYSTEM SYSTEM/370 EMULATOR ASSEMBLY LISTINGS - PROGRAM NUMBER 370N-EU-490
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SYSTEM/370 DISK OPERATING SYSTEM MICROFICHE ASSEMBLY LISTINGS COMPILER I/O MODULES - PROGRAM NUMBER 370N-IO-476
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S/370 DISK OPERATING SYSTEM MAGNETIC CHARACTER READER IOCS 370N-IO-477
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S/370 DISK OPERATING SYSTEM OPTICAL CHARACTER READER IOCS ASSEMBLY LISTINGS - PROGRAM NUMBER 370N-IO-478
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GYC7-1917

SYSTEM/370 DISK OPERATING SYSTEM MICROFICHE ASSEMBLY LISTINGS MICROFICHE INDEX
 Microfiche Index Release 27 of DOS/370.
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GYC7-1918

DOS 27 ASSEMBLER F - MICROFICHE LISTING PROGRAM NUMBER 360N-AS-466
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DOS 27 COBOL D - MICROFICHE LISTING PROGRAM NUMBER 360N-CB-452
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GYC7-1920

DOS 27 ANS COBOL - MICROFICHE LISTING PROGRAM NUMBER 360N-CB-482
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GYC7-1921

S/370 DISK OPERATING SYSTEM LANGUAGE CONVERSION PROGRAM ASSEMBLY LISTINGS, PROGRAM NUMBER 360N-CV-489
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S/370 DISK OPERATING SYSTEM FORTRAN IV ASSEMBLY LISTINGS - PROGRAM NO. 360N-FO-479
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DOS 27 FORTRAN LIBRARY SUB PROGRAM MICROFICHE LISTINGS PROGRAM NUMBER 360N-LM-480
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S/370 DISK OPERATING SYSTEM PL/1 ASSEMBLY LISTINGS, PROGRAM NUMBER 360N-PL-464
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GYC7-1925

DOS 27 DISK SORT/MERGE-MICROFICHE LISTINGS - PROGRAM NUMBER 360N-SM-450
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S/370 DISK OPERATING SYSTEM MODULAR SORT/MERGE ASSEMBLY LISTINGS PROGRAM NUMBER 360N-SM-483
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DOS 27 UTILITIES GROUP I - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-UT-461
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S/370 DISK OPERATING SYSTEM GROUP 2 UTILITIES TAPE 360N-UT-462
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GYC7-1930

DOS 27.1 UTILITIES GROUP 3 MICROFICHE LISTING - PROGRAM NUMBER 360N-UT-463
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GYC7-1931

S/370 DISK OPERATING SYSTEM MPS UTILITY MACROS MICROFICHE ASSEMBLY LISTINGS, PROG. NO. 360N-UT-471
 Contains Type I DOS program listings as specified in the title.
 Microfiche
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SYC7-1932

DISK OPERATING SYSTEM/VIRTUAL STORAGE ATTENTION ROUTINES LISTINGS - COMPONENT NUMBER 5745-SC-AIT
 Microfiche assembly listings of DOS/VS Attention Routines.
 Microfiche
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SYC7-1933

DISK OPERATING SYSTEM/VIRTUAL STORAGE ACCESS METHOD SERVICES PROG PROD 5745-SC-AMS
 Microfiche assembly listings of DOS/VS Access Method Svcs.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SYC7-1934

DOS/VS ASSEMBLER LISTINGS, COMPONENT NO. 5745-SC-ASM
 Microfiche assembly listings of DOS/VS Assembler.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SYC7-1935

DISK OPERATING SYSTEM/VIRTUAL STORAGE BTAM LISTINGS COMPONENT NUMBER 5745-SC-BTM
 Microfiche assembly listings of DOS/VS BTAM.
 Microfiche
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SYC7-1936

DISK OPERATING SYSTEM/VIRTUAL STORAGE CHECKPOINT/RESTART LISTINGS - COMPONENT NUMBER 5745-SC-CKR
 Microfiche assembly listings of DOS/VS Checkpoint/Restart.
 Microfiche
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SYC7-1937

DISK OPERATING SYSTEM/VIRTUAL STORAGE DIRECT ACCESS METHOD LISTINGS - COMPONENT NUMBER 5745-SC-DAM
 Microfiche assembly listings of DOS/VS Direct Access Method.
 Microfiche
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SYC7-1938

DISK OPERATING SYSTEM/VIRTUAL STORAGE DISK ERP LISTINGS COMPONENT NUMBER 5745-SC-DKE
 Microfiche Assembly Listings of DOS/VS Disk ERP.
 Microfiche
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SYC7-1939

DISK OPERATING SYSTEM/VIRTUAL STORAGE DISPLAY OPERATOR CONSOLE LISTINGS - COMPONENT NUMBER 5745-SC-DOC
 Microfiche assembly listings of DOS/VS Display Operator Console.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SYC7-1940

DISK OPERATING SYSTEM/VIRTUAL STORAGE SEQUENTIAL DISK IOCS LISTINGS - COMPONENT NUMBER 5745-SC-DSK
 Microfiche assembly listings of DOS/VS Sequential Disk IOCS.
 Microfiche
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SYC7-1941

DISK OPERATING SYSTEM/VIRTUAL STORAGE EMULATOR 1401/1440/1460/1410/7010 LISTINGS - COMPONENT NUMBER 5745-SC-EML
 Microfiche assembly listings of DOS/VS 14XX Emulator.
 Microfiche
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SYC7-1942

DISK OPERATING SYSTEM/VIRTUAL STORAGE EREP LISTINGS COMPONENT NUMBER 5745-SC-ERP
 Microfiche assembly listings of DOS/VS EREP.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SYC7-1943

DISK OPERATING SYSTEM/VIRTUAL STORAGE MODEL 20 EMULATOR LISTINGS - COMPONENT NUMBER 5745-SC-E20
 Microfiche assembly listings of DOS/VS Model 20 Emulator.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SYC7-1944

DISK OPERATING SYSTEM/VIRTUAL STORAGE COMPILER I/O MODULES LISTINGS - COMPONENT NUMBER 5745-SC-IOM
 Microfiche assembly listings of DOS/VS Compiler I/O Modules.
 Microfiche
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SYC7-1945

DISK OPERATING SYSTEM/VIRTUAL STORAGE IOCS AND DEVICE INDEPENDENCE LISTINGS - COMPONENT NUMBER 5745-SC-IOX
 Microfiche Assembly Listings of DOS/VS IOCS and Device Independence.
 Microfiche
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SYC7-1946

DISK OPERATING SYSTEM/VIRTUAL STORAGE IPL AND BUFFER LOAD LISTINGS - COMPONENT NUMBER 5745-SC-IPL
 Microfiche assembly listings of DOS/VS IPL and Buffer Load.
 Microfiche
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SYC7-1947

DISK OPERATING SYSTEM/VIRTUAL STORAGE ISAM LISTINGS COMPONENT NUMBER 5745-SC-ISM
 Microfiche assembly listings of DOS/VS ISAM.
 Microfiche
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SYC7-1948

DISK OPERATING SYSTEM/VIRTUAL STORAGE JOB CONTROL LISTINGS COMPONENT NUMBER 5745-SC-JCL
 Microfiche assembly listings of DOS/VS Job Control.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SYC7-1949

DISK OPERATING SYSTEM/VIRTUAL STORAGE LIBRARIAN LISTINGS COMPONENT NUMBER 5745-SC-LBR
 Microfiche assembly listings of DOS/VS Librarian.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SYC7-1950

DISK OPERATING SYSTEM/VIRTUAL STORAGE LINKAGE EDITOR LISTINGS - COMPONENT NUMBER 5745-SC-LNK
 Microfiche assembly listings of DOS/VS Linkage Editor.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SYC7-1951

DISK OPERATING SYSTEM/VIRTUAL STORAGE MAGNETIC CHARACTER READER IOCS LISTINGS - COMPONENT NUMBER 5745-SC-MCR
 Microfiche assembly listings of DOS/VS Magnetic Character Reader IOCS.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SYC7-1952

DISK OPERATING SYSTEM/VIRTUAL STORAGE OPTICAL CHARACTER READER IOCS LISTINGS - COMPONENT NUMBER 5745-SC-OCR
 Microfiche assembly listings of DOS/VS OCR IOCS.
 Microfiche
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SYC7-1953

DISK OPERATING SYSTEM/VIRTUAL STORAGE OLTEP LISTINGS COMPONENT NUMBER 5745-SC-OLT
 Contains SCP program listings for DOS/VS as specified in the title.
 Microfiche

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SYC7-1954
DISK OPERATING SYSTEM/VIRTUAL STORAGE PDAIDS LISTINGS
COMPONENT NUMBER 5745-SC-PDA
 Microfiche assembly listings of DOS/VS PDAIDS.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SYC7-1955
DISK OPERATING SYSTEM/VIRTUAL STORAGE PAPER TAPE IOCS
LISTINGS - COMPONENT NUMBER 5745-SC-PTP
 Microfiche assembly listings of DOS/VS Paper Tape IOCS.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SYC7-1956
DISK OPERATING SYSTEM/VIRTUAL STORAGE POWER LISTINGS
COMPONENT NUMBER 5745-SC-PWR
 Contains SCP program listings for DOS/VS as specified in the title.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SYC7-1957
DISK OPERATING SYSTEM/VIRTUAL STORAGE QTAM LISTINGS
COMPONENT NO. 5745-SC-QTM
 Microfiche assembly listings of DOS/VS QTAM.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SYC7-1958
DISK OPERATING SYSTEM/VIRTUAL STORAGE RMSR LISTINGS
COMPONENT NUMBER 5745-SC-RMS
 Microfiche assembly listings of DOS/VS RMSR.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SYC7-1959
DISK OPERATING SYSTEM/VIRTUAL STORAGE SUPERVISOR LISTINGS
COMPONENT NUMBER 5745-SC-SUP
 Microfiche assembly listings of DOS/VS Supervisor.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SYC7-1960
DISK OPERATING SYSTEM/VIRTUAL STORAGE MAGNETIC TAPE IOCS
LISTINGS - COMPONENT NUMBER 5745-SC-TAP
 Microfiche assembly listings of DOS/VS Magnetic Tape IOCS.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SYC7-1961
DISK OPERATING SYSTEM/VIRTUAL STORAGE TAPE ERP LISTINGS
COMPONENT NUMBER 5745-SC-TPE
 Microfiche assembly listings of DOS/VS Tape ERP.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SYC7-1962
DISK OPERATING SYSTEM/VIRTUAL STORAGE SYSTEM UTILITY
PROGRAMS LISTINGS - COMPONENT NUMBER 5745-SC-UTL
 Microfiche assembly listings of DOS/VS System Utility Programs.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SYC7-1963
DISK OPERATING SYSTEM/VIRTUAL STORAGE VSAM LISTINGS
COMPONENT NUMBER 5745-SC-VSM
 Microfiche assembly listings of DOS/VS VSAM.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SYC7-1964
DOS/VS: DOS DISTRIBUTION PROGRAM LISTINGS (5745-SC-DIS)
 Microfiche assembly listings of DOS/VS DOS Distribution Program.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SYC7-1965
DISK OPERATING SYSTEM/VIRTUAL STORAGE MICROFICHE MASTER
INDEX
 Microfiche assembly listings of DOS/VS microfiche index
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SYC7-1966
DISK OPERATING SYSTEM/VIRTUAL STORAGE DISKETTE IOCS
5745-SC-DIO
 Microfiche assembly listings of DOS/VS Diskette IOCS.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SYC7-1968
DISK OPERATING SYSTEM/VIRTUAL STORAGE VTAM 5745-SC-VTM
 Microfiche Assembly Listings of DOS/VS VTAM Routines,
 5745-SC-VTM.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SYC7-1969
DOS/VS TOLTEP LISTINGS - COMPONENT NO. 5745-SC-TLT
 Microfiche assembly listings of DOS/VS TOLTEP Routines,
 5745-SC-TLT.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SYC7-1970
DOS/VS SUBSYSTEM SUPPORT SERVICES - 5745-SC-SSS, LISTINGS
 Microfiche assembly listings of DOS/VS Subsystem Support Services.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SYC7-1971
DISK OPERATING SYSTEM/VIRTUAL STORAGE 3600 FINANCE
COMMUNICATION SYSTEM - 5745-SC-124, LISTINGS
 Microfiche assembly listings of DOS/VS 3600 Finance Communication System, 5745-SC-124.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SYC7-1972
VTAM & 3600 SYSTEM INDEX
 Microfiche Assembly - Listings Index to be used to locate individual modules and macros in the following components: 5745-SC-VTAM, 5745-SC-TLT, 5745-SC-SSS, 5745-SC-124, (i.e. Form Nos. SYC7-1968, SYC7-1969, SYC7-1970-1, SYC7-1971 1971 respectively.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SYC7-1976
DOS/VS POWER/VS RJE, SNA ICR - SCP COMPONENT 5745-SC-PWR
 Microfiche assembly listings of DOS/VS POWER/VS RJE, SNA ICR
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SYC7-2101
DOS EMULATOR LISTINGS SCP 5744-AS1
 Microfiche assembly listings of DOS Emulator under VS1 and VS2.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

GYC7-2102
1410/7010 OS/VS EMULATOR ON SYSTEM/370 LISTINGS, PROG. NO. 5744-AG1
 This document contains assembler or macro listings for all emulator modules. This document is intended for use by IBM personnel for the correction of program design errors.
 Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SYC7-2107
1401/1440/1460 DOS/VS EMULATOR ON SYSTEM/370
1410/7010 DOS/VS EMULATOR ON SYSTEM/370
PROG PROD 5747-CC3, LISTINGS
 Microfiche Listing of program 5747-CC3 which replaces DOS/VS component 5745-SC-EML.
 Microfiche, 14 cards, 14 pgs, 3/77
 SLSS - ORDER NO. SUBSCRIPTION ONLY

LYC7-2300
ASSEMBLY LISTING MICROFICHE FOR TSO DATA UTILITIES - PROGRAM
PRODUCT 5734-UTI
 Contains program listings as specified in the title.
 Microfiche
 SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYC7-2301
SYSTEM/360 OPERATING SYSTEM ASCII UTILITIES ASSEMBLY LISTING
MICROFICHE - PROGRAM PRODUCT - PROGRAM NUMBER 5734-UT2
 No abstract available.
 Assembly Listing Microfiche
 SLSS - ORDER NO. SUBSCRIPTION ONLY

LYC7-2500
SYSTEM/360 OPERATING SYSTEM PL/I CHECKOUT COMPILER
PROGRAM LISTING - PROGRAM NUMBER 5734-PL2
 Contains program listings as specified in the title.
 Microfiche
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LYC7-2501
DISK OPERATING SYSTEM/360
PL/I RESIDENT LIBRARY - ASSEMBLY LISTING MICROFICHE
PROGRAM NUMBER 5736-IM4

Microfiche of Assembly Listings.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYC7-2502

DISK OPERATING SYSTEM/360 PL/I TRANSIENT LIBRARY
ASSEMBLY LISTING MICROFICHE - PROGRAM NUMBER 5736-LM5
Microfiche of Assembly Listings.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYC7-2503

DISK OPERATING SYSTEM/360 PL/I OPTIMIZING COMPILER
ASSEMBLY LISTING MICROFICHE - PROGRAM NUMBER 5736-PL1
Microfiche of Assembly Listings.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYC7-2504

SYSTEM/360 OPERATING SYSTEM PL/I RESIDENT LIBRARY
MICROFICHE - PROGRAM NUMBER 5734-LM4
Contains program listings as specified in the title.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYC7-2505

OS PL/I TRANSIENT LIBRARY - MICROFICHE, PROG. NO. 5734-LM5
Contains program listings as specified in the title.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYC7-2506

SYSTEM/360 OPERATING SYSTEM PL/I OPTIMIZING COMPILER
MICROFICHE LISTINGS - PROGRAM NUMBER 5734-PL1
Contains program listings as specified in the title.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYC7-5013

IBM DOS/360 ITF PL/I, LISTINGS - PROG. PROD. 5736-RC1
This microfiche contains the assembly listings of the modules that make up the DOS ITF Release II, PL/I, program product.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYC7-5016

IBM OS/360 ITF PL/I LISTINGS, PROG. PROD. 5734-RC1
Microfiche of program product 5734-RC1 assembly listings.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYC7-5017

IBM OS/360 ITF SHARED - PROG. PROD. 5734-RC1/RC3
Contains program listings as specified in the title.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYC7-5019

IBM SYSTEM/360/370 FORTRAN IV H EXTENDED COMPILER -
LISTINGS, PROG. PROD. 5734-FO3
Contains Type I OS program listings as specified in the title.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYC7-5020

IBM SYSTEM/360/370 FORTRAN IV LIBRARY MOD II - LISTINGS
PROG. PROD. 5734-LM3
Contains program listings as specified in the title.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYC7-5021

SYSTEM/360 OPERATING SYSTEM FORTRAN IV (G1) COMPILER
MICROFICHE LISTINGS, PROG. PROD. 5734-FO2
Contains Type I OS program listings as specified in the title.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYC7-5022

OS 360/370 FORTRAN IV LIBR. MOD I LISTING, P.P. NO. 5734-LM1
Contains program listings as specified in the title.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYC7-5030

DOS FULL ANS COMPILER V3 LISTINGS - PROG NO 5736-CB2
Contains program listings as specified in the title.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYC7-5031

DOS FULL ANS COBOL LIBRARY V3, LISTINGS, PROG. NO. 5736-LM2
Contains program listings as specified in the title.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYC7-5033

TSO ITF (PL/I) LISTINGS, PROG. NOS. 5734-RC2, RC4
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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYC7-5034

SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION
INTERACTIVE TERMINAL FACILITY (BASIC ONLY)
PROGRAM PRODUCT LISTING MICROFICHE - PROGRAM NUMBER 5734-RC4
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 basic.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYC7-5035

TSO ITF (SHARED) LISTINGS, PROG. NOS. 5734-RC2, RC4
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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYC7-5036

IBM SYSTEM/360/370 CODE AND GO FORTRAN COMPILER - LISTINGS,
PROG. PROD. 5734-FO1
Contains program listings as specified in the title.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYC7-5037

ASSEMBLER F PROMPTER MICROFICHE LISTING, PROG PROD 5734-CP2
Contains program listings as specified in the title.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYC7-5038

IBM SYSTEM/360/370 OS FULL ANS COBOL VERSION 3
COMPILER AND LIBRARY - LISTINGS, PROG. PROD. 5734-CB1
Contains program listings as specified in the title.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYC7-5039

OS FULL COBOL COMPILER VERSION 3 AND TSO COBOL PROMPTER:
PROGRAM LISTINGS, PROG. NOS. 5734-CP1, 5734-CB3
Contains program listings as specified in the title.

Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYC7-5040

IBM SYSTEM/360 OPERATING SYSTEM - TIME SHARING OPTION
COBOL PROMPTER - PROGRAM NUMBERS 5734-CPI, 5734-CB3
Contains program listings as specified in the title.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYC7-5041

DOS SUBSET COMPILER & LIBRARY LISTINGS - PROG. NO. 5736-CB1
Contains program listings as specified in the title.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYC7-5042

SYSTEM/360 OPERATING SYSTEM FORTRAN H EXTENDED PLUS
MICROFICHE - PROGRAM NUMBER 5799-AAW
Contains program listings as specified in the title.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYC7-5044

DOS FORTRAN IV LIBRARY OPT 1, LISTINGS - PROG. NO. 5746-LM3
Contains program listings as specified in the title.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYC7-5045

OS ANS COBOL COMPILER & LIBRARY LISTINGS, PROG. 5734-CB2
Contains program listings as specified in the title.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYC7-5048

OS VIDEO/370 LISTINGS, PROG. PROD. 5734-RC5
Contains program listings as specified in the title.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYC7-5049

DOS VIDEO/370 LISTINGS - PROGRAM PRODUCT 5736-RC3
Contains program listings as specified in the title.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYC7-5050

DOS/VS COBOL COMPILER LISTINGS PROG PROD 5746-CB1
This microfiche contains the program listings for PTF 20 of the program appearing in the title.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYC7-5051

VS BASIC LISTINGS - PROG PROD 5748-XX1
Microfiche listings for Program Product in title. Available to each licensee under the licensing agreement from IBM Program Control Center. Available to IBM personnel from IBM Distribution Center.
Microfiche, 3/76
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LYC7-5052

OS/VS COBOL COMPILER & LIBRARY LISTINGS - PROG NOS. 5740-CB1, LM1
Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.
Microfiche
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

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
SLSS - INTERNAL SUBSCRIPTION ONLY

LY12-5016

DATA LANGUAGE/1 DISK OPERATING SYSTEM/VIRTUAL STORAGE (DL/I DOS/VS) LOGIC MANUAL - PROGRAM PRODUCT 5746-XX1
This publication provides information on the internal operation of the DL/I system as an application program under DOS/VS. It is intended for use by persons involved in program maintenance and by system programmers who are altering the program design.
DL/I DOS/VS is a data management control system that assists the user in creating, accessing, and maintaining

large common data bases. In conjunction with the Customer Information Control System (CICS/DOS/VS), DL/I DOS/VS can be used in an online teleprocessing environment.

Readers of this manual must be thoroughly familiar with the use of DOS/VS, and of CICS/DOS/VS if DL/I DOS/VS is to be used in the online environment.
Manual, 332 pages, 11/73
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY12-5026

IBM SYSTEM/370 IMS/VS DATA BASE ANALYZER LOGIC, PROG PROD 5740-XXR (OS/VS)
IMS/VS Data Base Analyzer (DB analyzer) is an Information Management System/Virtual Storage (IMS/VS) productivity aid that analyzes the structure of an existing IMS/VS data base with hierarchical direct (HDAM or HIDAM) organization. It produces reports on distribution of pointers and free space, to allow monitoring of the efficiency of data base space allocation in storage. It also checks pointer integrity, examining whether recovery procedures have been applied successfully.

This manual presents an overview of DB analyzer and describes the control flow within the programs by means of text and flowcharts. It also presents the layout of output records and internal tables. It is intended as an aid when maintaining the DB analyzer programs.

This publication is intended primarily for data base administrators and system analysts. The reader is assumed to be familiar with IMS/VS data bases and their pointer structures. Publications providing this background are IMS/VS Utilities Reference Manual, SH20-9029 and IMS/VS System/Application Design Guide, SH20-9025.
Manual, 8 1/2 x 11 inches, 52 pgs, 12/76

LY18-1101

TSO 3270 PRINTER SUPPORT PROGRAMMING RPQ U94866 SYSTEMS AND LOGIC MANUAL PROGRAM NUMBER 5799-ALB FEATURE NUMBER 8831
The TSO 3270 Printer Support Program is designed to provide the user with functions to produce hard copies of his TSO session on the 3277 display station. The hard copies are produced on the 3284/86 printer.

This manual contains information on the design and logic of this program. It is intended to aid in modifying and maintaining the program and in identifying error conditions.
Manual, 27 pages
SLSS - INTERNAL SUBSCRIPTION ONLY

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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-0630

IMS/360, VERSION 2, SYSTEM MANUAL VOL. 2 - FLOWCHARTS, PROG. PROD. 5734-XX6
Information Management System/360 is a processing program 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.
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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-0704

GIS/2 SYSTEM MANUAL SUPPLEMENT FOR THE HIERARCHIC FILE
SUPPORT FEATURE, PROG. NO. 5734-XX1 FEATURE NO. 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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-0728

STAT/BASIC FOR ITF AND VM/370 - CMS: 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
SLSS - INTERNAL SUBSCRIPTION ONLY

LY20-0757

S/370 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE COMPUTING MUSIC RELEASE II SYSTEM GUIDE - IUP NUMBER 5796-AAT

A new release of the MUSIC Timesharing System is now available. It contains system support for S/370 Models 125, 158, 165 and 168, including 3330/3333 Model 11, 3704/3705, enhancements to BASIC and APL workspace support. In addition, its interface to VM/370 has been improved to provide more efficient operation when running in a virtual machine under VM/370 control. Programming services have been extended until December 31, 1974.

MUSIC offers a high performance and high function timesharing facility previously unavailable to the low entry System/370 user.
Guide
SLSS - INTERNAL SUBSCRIPTION ONLY

LY20-0771

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
SLSS - INTERNAL SUBSCRIPTION ONLY

LY20-0772

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
SLSS - INTERNAL SUBSCRIPTION ONLY

LY20-0773

IMSMAP - DATA BASE MAPPING PROGRAMS SYSTEM GUIDE - IUP NUMBER 5796-PBC

The IMSMP - Data Base Mapping Programs, DBMAP and PSBMAP, 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 PSBMAP programs.

Guide, 16 pages
SLSS - INTERNAL SUBSCRIPTION ONLY

LY20-0774

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
SLSS - INTERNAL SUBSCRIPTION ONLY

LY20-0775

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
SLSS - INTERNAL SUBSCRIPTION ONLY

LY20-0804

MATH/BASIC FOR SYSTEM/3 MODEL 6, ITF, AND VM/370-CMS: LOGIC MANUAL, PROG. NOS. 5703-XM2 (SYSTEM/3) AND 5734-XM8 (ITF AND VM/370-CMS); FEATURE NOS. 8017, 8153

This manual contains the source code listings and the description of the computational blocks which are the basis of the MATH/BASIC routines for System/3, Model 6 and System/360 or System/370.

Manual, 268 pages
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-0809

GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE DL/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, 34 pages
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-0829

INTERACTIVE QUERY FACILITY (IQF) FOR IMS/360 VERSION 2 SYSTEM MANUAL VOLUME V, PROG. PROD. 5734-XX6

This manual includes a description of each module of the IQF/IMS program. It also contains information on macros used, interfaces and module sizes, error codes and handling, ABENDs and flowcharts. Volume I contains similar information on the IMS/360 program. 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.

Manual, 494 pages
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-0840

BUSINESS ANALYSIS/BASIC LOGIC MANUAL, PROG. NOS. 5703-XM3 (SYSTEM/3 MODEL 6) AND 5734-XMB (ITF-OS/DOS/TSO, VM/370-CMS)

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, ITF (OS, DOS, TSO), and VM/370-CMS. 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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-0842

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

This manual describes the internal program logic and operation for 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
SLSS - INTERNAL SUBSCRIPTION ONLY

LY20-0870

DISPLAY MANAGEMENT SYSTEM II (DMS II) OS/V S LOGIC MANUAL PROGRAM NUMBER 5734-XC4

This manual contains the flowchart narrative and flowcharts for Display Management System II Programs. It is intended for system analysts and programmers charged with maintaining the system.

Manual, 240 pages
SLSS - INTERNAL SUBSCRIPTION ONLY

SY20-0882

IBM VIRTUAL MACHINE FACILITY/370 SERVICE ROUTINES PROGRAM LOGIC

This publication describes the program logic for the VM/370

service routines. Each service routine (or group of routines) 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, if the section is applicable.

The service aids that are described in this publication are: the IBCDASDI Virtual Disk Initialization Program, VMFDUMP (Virtual Dump) program, the Directory Program, the Format Service Program, the DASD Dump Restore Program, the Installation Verification Procedure, the Procedures for Generating and Updating VM/370, the Starter System, the 3704/3705 Service Programs, and the ZAP Service Programs. Manual, 210 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY20-0884

VM/370 DATA AREAS AND CONTROL BLOCK LOGIC

This publication along with the IBM Virtual Machine Facility/370: System Logic and Problem Determination Guide, is intended for system programmers responsible for updating VM/370. This publication contains descriptions of the major data areas and control blocks used by three of the components of VM/370: the Control Program (CP) the Conversational Monitor System (CMS), and the Remote Spooling Communications Subsystem (RSCS).

Manual, 310 pages, 2/76
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY20-0885

IBM VIRTUAL MACHINE FACILITY/370: SYSTEM LOGIC AND PROBLEM DETERMINATION GUIDE

This publication is intended for the IBM system hardware and software support personnel. It provides the following information for three of the components of VM/370:

- o Debugging information
- o Description of program logic
- o Module descriptions and cross-references
- o ABEND and wait state codes

Manual, 650 pages, 2/76
SLSS - ORDER NO. SUBSCRIPTION ONLY

LY20-0931

3270 FORMATTING FEATURE FOR BTS, IUP 5796-PBD, SYSTEM GUIDE (FEATURE 8073)

This publication describes in detail the BTS 3270 formatting feature. Its mode of operation and its modular interfaces are described, as well as the queues, tables, directories, and control blocks used specifically by the 3270 formatter.

It is assumed that the reader of this publication is familiar with the functions and names of BTS modules, IMS/360 application program calls, and the IMS/360 Message Formatting Service. The reader should also be familiar with the publication BTS Batch Terminal Simulator Systems Guide, Order No. LY20-0774.

The 3270 Formatting Feature is an expansion of the Batch Terminal Simulator IUP (5796-PBD); which is described in Availability Notice G320-1523. BTS allows IMS batch, batch message and message processing programs to be tested without having teleprocessing hardware installed. The addition of the 3270 Formatting Feature provides the ability to test applications using the IMS Message Formatting Service (MFS) without the use of 3270 hardware. This means that development of new online applications, or conversion of batch programs for online use, can proceed while still in the batch only test/development mode.

Manual, 89 pages
SLSS - INTERNAL SUBSCRIPTION ONLY

LY20-0932

TEST DATA GENERATOR SYSTEMS GUIDE PROGRAM NO. 5796-PBP FEATURE NUMBER 8064

This manual contains information about the internal logic and organization of the Test Data Generator.

It is intended to assist in the maintenance and alteration of the program.

Manual, 220 pages
SLSS - INTERNAL SUBSCRIPTION ONLY

LY20-0937

DATA COMMUNICATIONS ANALYZER (DCANALYZER) PROGRAM NUMBER 5796-PCA

The Data Communication Analyzer (DCANALYZER) program is designed to assist the user in evaluating design alternatives for IMS data base/data communication systems. It produces relative data on service times and throughput of transactions processed on iterative runs of DCANALYZER under varying design combinations. The user can analyze and compare this data to select the design best suited to his needs.

This manual contains information about the internal logic and organization of the DCANALYZER program. It is intended to assist in program maintenance and alteration.

Manual, 56 pages
SLSS - INTERNAL SUBSCRIPTION ONLY

LY20-0946

3270 SCREEN IMAGE PROCESSOR FOR IMS AND IMS/VS - IUP 5796-AFC, SYSTEM GUIDE

The Screen Image Preprocessor is a productivity aid which simplifies the design and implementation of IMS/3270

applications. Each 3270 screen format added to an IMS system necessitates the preparation of many detailed control statements as input to the Message Format Language Utility. Using a single control statement and only one card image for each line to be represented on the screen, the Preprocessor generates the required IMS input statements. Each line of the screen image is coded exactly as it is to appear on the 3270 screen. Field control information (attribute bytes), which do not appear on the actual screen but occupy one screen character position at the beginning of each field, must also be coded to specify the desired field types. The Preprocessor output includes a printed representation of the screen layout in addition to generated control statements which may be printed or passed to the Utility.

Manual
SLSS - INTERNAL SUBSCRIPTION ONLY

LY20-0947

DB PROTOTYPE/VS - IUP 5796-PCX, SYSTEM GUIDE

DBPROTOTYPE/VS is a design evaluation tool which enables the IMS/VS user to create model data bases and skeletal application programs to run against these data bases. By analyzing the performance data obtained from successive runs utilizing different design parameters, the user can select the system design best suited to his needs.

The value of this prototype approach to design is that it enables the user to study the effects of various design alternatives prior to expending resources in implementation. Programming for new or changing applications and data bases can follow with a higher level of confidence for success without costly rework caused by poor design.

DBPROTOTYPE/VS operates with IMS/VS. It extends the capabilities of DBPROTOTYPE (IUP 5796-PBB) to support IMS/VS features and incorporates improvements in the existing functions of DBPROTOTYPE. DBPROTOTYPE is a prerequisite for DBPROTOTYPE/VS.

Manual
SLSS - INTERNAL SUBSCRIPTION ONLY

LY20-1996

VM/370 RESOURCE MANAGEMENT LOGIC, PROG 5799-ARQ

No abstract available.

Manual, 80 pages
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-2043

DISPLAY MANAGEMENT SYSTEM II -- DOS/VS (DMS II) LOGIC MANUAL, PROG. PROD. 5736-XC4

DMS II is a set of programs to simplify the implementation of online operations using the 3270 Information Display System. Application specification is simplified by means of DMS II forms. Preprogrammed facilities are provided to perform paging and panel selection, file operations, and data routing. This manual is intended primarily for those responsible for maintaining the programs product. It is designed to be used in conjunction with program listings and flowcharts to understand program logic.

Manual, 230 pages
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-2045

FASTER LANGUAGE FACILITY FOR THE CUSTOMER INFORMATION CONTROL SYSTEM (CICS/VS), LOGIC PROG. NOS. 5746-XX3

(CICS/DOS/VS), 5740-XX1 (CICS/OS/VS);
FEATURES 6019, 6020,6021,6022,6023,6024

The FASTER Language Facility (F.L.F.) feature of CICS/DOS/VS and CICS/OS/VS makes it possible to run most FASTER Transaction Processing Descriptions (TPDS) under CICS/VS.

The F.L.F. consists of a set of language macros and processing routines designed as a conversion aid for users of the five FASTER systems. All language macros present in the FASTER programs are also present in the language facility and are designed in the Program Reference Manual.

The logic manual primarily describes the functions and the interworking of F.L.F. processing routines. A knowledge of those internal details is not ordinarily needed for day-to-day use of the language facility.

Manual, 70 pages
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-2050

IMSMAP/VS - IUP 5796-PCY, SYSTEM GUIDE

The Installed User Program IMSMAP/VS is a documentation aid which produces pictorial representations of data base structures. These maps, which are produced on a line printer, graphically represent the many characteristics of an IMS/VS data base. In addition to producing maps, IMSMAP/VS can print a detailed report describing the characteristics of each data base description (DBD).

IMSMAP/VS is an extension of the currently available IUP, IMSMAP (5796-PBC). IMSMAP is a prerequisite for IMSMAP/VS. IMSMAP/VS provides both support for IMS/VS data bases and additional features not available in the original IMSMAP IUP.

Manual
SLSS - INTERNAL SUBSCRIPTION ONLY

LY20-2051

BTS/VS - IUP 5796-PCZ, SYSTEM GUIDE

BTS/VS is a terminal simulator which allows IMS/VS application programs to be tested without the use of teleprocessing

hardware or the IMS DC feature. Extensive de-bugging facilities enable the BTS/VVS user to test batch applications, as well as those intended to run in a teleprocessing environment. BTS/VVS provides information about each transaction and message as it progresses through the IMS/VVS system.

The BTS IUP (5796-PBD) is a prerequisite for the use of BTS/VVS. The 3270 Formatting Feature, offered as a feature of BTS, extends 3270 simulation capability to both BTS and to BTS/VVS.

Manual
SLSS - INTERNAL SUBSCRIPTION ONLY

flows of programs in the TCS environment and also points out those features that are major additions to the TCAM facilities or are deviations from it.

The program organization section describes the TCS modules in the form of a table with the information necessary for an understanding of the function of each module and its place relative to other related modules. This section also discusses each TCS macro in great detail, with a figure of any created parameter list.

Manual, 154 pages
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-2052

TEST IMS/VVS UTILITIES, DESCRIPTION/OPERATIONS, IUP 5796-PDA
This publication describes the IMS/VVS support product for the Test IMS Utilities. The prerequisite for the use of this product is the Test IMS Utilities (Program Number 5796-PBE) and the associated Systems Guide (LY20-0775).

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, restructure a data base segment for printing. This publication 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, 28 pages
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-2085

DATA BASE DESIGN AID LOGIC MANUAL - PROG. NO. 5748-XX4
This book, which contains information on the system design and logic flow, is intended primarily to help diagnose error situations, make modifications to the program, and do maintenance work on the program.

An overview of the product is presented, followed by the way the program is organized, the logic flow of the program (shown by HIPO diagrams), descriptions of the VSAM data sets, how to modify the program, and a summary of DBDA program modules and library members.

Manual
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-2090

3270 FULL SCREEN SUPPORT FOR PL/I AND ASSEMBLER APPLICATION UNDER TSO IUP 5796-AGH
No abstract available.

Manual
SLSS - INTERNAL SUBSCRIPTION ONLY

LY20-2053

DOSMAP - DL/I DATA BASE MAPPING PROGRAMS SYSTEMS GUIDE
PROG. NO. 5796-PCW

The DL/I data base mapping programs, DBDMAP and PSEMAP, build and print maps of DL/I data bases from information contained in the data base descriptions (DBDs) and program specification blocks (PSBs). This manual describes the internal logic of the DBDMAP and PSEMAP programs.

Manual, 16 pages
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-2094

VM/370 SYSTEM FOR ONLINE TAPE AND DISK LIBRARIES - IUP 5796-AGN, SYSTEM GUIDE

The VM/370 System for Tape and Disk Libraries is an IUP for the control of user tape and disk libraries. It works online under CMS with commands to control the assignment and accounting for user volumes. The system operator can add, delete, and modify a record associated with a particular mountable volume. It can make a large pool of tapes and disks accessible to a large number of time sharing users by providing the storage location and accounting information available online. The benefits are improved data security, quicker location of volumes, quicker response to mount commands, automatic bookkeeping and improved system control.

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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-2059

VM/SGP STATISTICS GENERATING PACKAGE - IUP 5796-PDD, SYSTEM GUIDE

VM/SGP, an Installed User Program is a Statistics Generating Package for VM/370. It is designed to further reduce the data collected by the VM/370 Measurement Facility and is intended to provide information for installation management, system programmers, and users. VM/SGP provides a variety of summarization techniques useful for reporting on many aspects of system load and utilization. It may also simply be used to format and print trace data and thereby facilitate the inspection and analysis of system bottlenecks and overloads.

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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-2113

AUTOMATED UNIT TEST, IUP 5796-PEB, GUIDE

The purpose of this manual is to provide information on the design, logic and coding of the Automated Unit Test (AUT) productivity aid. The information can be used for diagnosing program errors, performing programming maintenance and modifications.

Manual, 84 pages, 8/75
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-2064

JOB CONTROL LANGUAGE EDITOR, IUP 5796-PDC SYSTEMS GUIDE

This manual contains information on the design and coding of the Job Control Language Editor. It contains information about the program logic and techniques used.

Manual, 14 pages
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-2114

AUTOMATED UNIT TEST, IUP 5796 - PEC, SYSTEMS GUIDE

The purpose of this manual is to provide information on the design, logic and coding of the Automated Unit Test (AUT) productivity aid. The information can be used for diagnosing program errors, performing programming maintenance and modifications.

Manual, 78 pages, 8/75
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-2072

INTERACTIVE QUERY AND REPORT PROCESSOR - (IQRP) - IUP 5796-PDG, SYSTEMS GUIDE

The purpose of this manual is to present to the system programmer the system logic flow of IQRP. This manual also presents detail module descriptions, flows, and linkages.

Manual, 212 pages
SLSS - INTERNAL SUBSCRIPTION ONLY

LY20-2126

TELECOMMUNICATIONS ACCESS METHOD IMS/VVS INTERFACE LOGIC, PROG PROD 5740-XXC

The TCAM-IMS/VVS Interface is provided as a bridge between TCAM and IMS/VVS.

This manual is intended for program systems representatives and systems programmers who maintain the TCAM-IMS/VVS Interface.

Manual
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-2073

VM/370 GRAPHIC MONITOR, IUP 5796-PDT

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
SLSS - INTERNAL SUBSCRIPTION ONLY

LY20-2175

EXTENDED TELECOMMUNICATIONS MODULES (EXTM) FEATURE OF CICS/DOS/VVS - PROG. PROD. 5746-XXB, LOGIC

The Extended Telecommunications Modules (EXTM) Feature of CICS/DOS/VVS provides linkage between CICS/VVS 1.0.1 and a telecommunications network. It provides access to the IBM 3600 Finance Communication System and functions within the framework of System Network Architecture (SNA). Data flow for certain pre-SNA terminals is also provided.

The basic function of the program is to establish and maintain a data flow between a CICS/VVS application and a corresponding user application for the IBM 3600 Finance Communication System.

This manual covers the internal logic of the Extended Telecommunications Modules Feature of CICS/DOS/VVS.

LY20-2080

TELECOMMUNICATIONS CONTROL SYSTEM (TCS) PROGRAMMING RPQEF0378, - PROG. NO. 5799-AKL, LOGIC

This manual describes the internal program logic and operation of the Telecommunications Control System (TCS), whether or not the TCS programming RPQ (RPQ) EF0378 is used. This programming RPQ is available on special quotation only (see inside front cover).

The basic TCS concepts section contains the functional and logical concepts of TCS and places the program in perspective relative to the Operating System (OS/VVS) and the Telecommunications Access Method (TCAM).

The method of operating section describes functional

Manual
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

internal logic of the DBDMAP and PSBMAP programs.
Manual, 18 pages, 12/75
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-2180

VS/REPACK, IUP 5796-PDZ, SYSTEMS GUIDE
This manual contains information on the VS/REPACK program logic and coding techniques.
Manual, 320 pages, 1/76
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-2217

SVS/MVS SYSTEM AND JOB IMPACT ANALYSIS, IUP 5796-AJF
SYSTEMS GUIDE
No abstract available.
Manual
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-2181

WIDEBAND COMMUNICATIONS PROGRAM, IUP 5796-PDJ SYSTEMS GUIDE
Wideband Communications Program is a complete system for the transmission of tapes or sequential data sets between any locations on a communications network under control of OS/VS and BTAM. The system provides facilities for spooling/despooling, data compaction and security, data transmission/reception, checkpoint/restart, and utilization statistics.
This manual contains information about the internal logic and organization of the Wideband programs. It is intended to assist in program maintenance and modification.
Manual, 214 pages, 7/75
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-2220

TSO-3270 STRUCTURED PROGRAMMING FACILITY LOGIC,
PROG PROD 5740-XT2
This manual contains information for maintaining the TSO-3270 Structured Programming Facility program product. It is intended to be used by IBM and customer systems engineers and programmers.
Manual
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-2183

IBM CONVERSION AID FOR RCA/TDOS ASSEMBLER TO OS/VS
ASSEMBLER, SYSTEMS GUIDE, IUP 5796-PEX, FEATURE 8634
This manual provides a detailed description of the aid. It will be useful for those systems people accustomed to understanding the aid in sufficient detail to modify the support by adding additional functions.
Manual, 52 pages, 7/75
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-2227

SYSTEM/370 DISPLAY MANAGEMENT SYSTEM PROGRAMMING RPQ Z06076
LOGIC PROG 5799-AFD
The Display Management System Programming RPQ product is a system which augments OS/VS1 Release 3 and the Special Real Time Operating System, Programming RPQ product to support interactive use of the display devices. Display Management System meets the needs of the electric utility energy management system and of oil refinery applications but is not restricted to these applications.
Display Management System runs as an OS/VS1 Release 3 job step in conjunction with the Special Real Time Operating System and performs services that support the creation and interactive use of displays. The installation of Display Management System requires no change to the OS/VS1 Release 3 system.
Manual
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-2193

EXTENDED TELECOMMUNICATIONS MODULES FEATURE OF CICS/DOS/VS
PROBLEM DETERMINATION GUIDE PROGRAM NUMBER: 5746 XXB
The Extended Telecommunications Modules Feature of CICS/DOS/VS provides linkage between CICS/VS 1.0.1 and a telecommunications network. It provides access to the IBM 3600 Finance Communication System and functions within the framework of System Network Architecture (SNA). Data flow for certain pre-SNA terminals is also provided. The basic function of the program is to establish and maintain a data flow between a CICS/VS application and corresponding user application for the IBM 3600 Finance Communication System.
This manual provides control block layouts, storage maps, sample dumps, sample traces, and describes an approach to debugging. It presents guidelines, tools, and information needed to assist program systems representatives and system programmers, who maintain the system and the Extended Telecommunications Modules Feature of CICS/DOS/VS.
Manual
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-2228

IBM SYSTEM/370 SPECIAL REAL TIME OPERATING SYSTEM
PROGRAMMING RPQ Z06751 SYSTEMS LOGIC, PROG 5799-AHE
This publication describes the internal logic and method of operation of the Special Real Time Operating System. The purpose of this publication is to provide information for systems analysts, programmers, systems engineers, and maintenance personnel to facilitate making modifications, diagnosing error situations, and performing maintenance.
Manual
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-2196

COBOL MAINTENANCE AND DOCUMENTATION AID
IUPS 5796-AHY, 5796-AHZ SYSTEMS GUIDE
The COBOL Maintenance and Documentation Aid documents the structure and path logic of COBOL programs. This manual describes the internal logic of the CMANDOCO program.
Manual, 22 pages, 10/75
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-2240

GTF I/O CURRENCY REPORT, IUP 5796-PGD, SYSTEMS GUIDE
No abstract available.
Manual, 36 pages
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-2199

FORTRAN CONVERSION AID, IUP 5796-PFG SYSTEMS GUIDE
No abstract available.
Manual
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-2247

APL FUNCTION EDITOR FOR APLSV IUP 5796-PGX, FEATURE 8676,
SYSTEM GUIDE
This manual provides information for system analysts, programmers, and others who wish to make alterations to the program. It also will be helpful to those desiring a fuller understanding of the program components.
Manual, 8 1/2 x 11 inches, 20 pages, 4/77

LY20-2204

COBOL PROGRAM TRANSLATION FOR DOS AND DOS/VS IUP 5796-PFB
SYSTEMS GUIDE
This "User's Manual" is for the System's Analyst, Programmer and Operator during the Systems Test and daily operations during the Systems Test and daily operations of the program. It also contains programmer notes to assist in making minor alterations.
Manual, 36 pages, 1/76
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-2248

APL FUNCTION EDITOR FOR VSAPL IUP 5796-PGY, SYSTEM GUIDE,
FEATURE 8677
This manual provides information for system analysts, programmers, and others who wish to make alterations to the program. It will also be helpful to those desiring a fuller understanding of the program components.
Manual, 8 1/2 x 11 inches, 20 pages, 4/77

LY20-2205

COBOL PROGRAM TRANSLATOR FOR OS OS/VS1 AND VM/370
IUP 5796-PFC, SYSTEMS GUIDE
This "User's Manual" is for the System's 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.
Manual, 34 pages, 1/76
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-2255

VS APL FOR TSO, IUP 5796-ALB
No abstract available
Manual, 64 pages
SLSS - INTERNAL SUBSCRIPTION ONLY

LY20-2208

DOS MAP - DLI, IUP 5796-PCW, SYSTEMS GUIDE
The DLI data base mapping programs, DBDMAP and PSBMAP, build and print maps of DL/I data bases from information contained in the data base descriptions (DBDs) and program specification blocks (PSBs). This manual describes the

LY20-2268

SMF JOB DATA COMPRESSION AID (JDCA) - IUP 5796-PHN,
SYSTEMS GUIDE
This systems guide is for those systems and applications programmers who handle program modifications, error diagnoses, and program maintenance for the SMF Job Data Compression Aid (JDCA), an IBM installed user program. This guide is divided into four sections: record formats, program descriptions, program modifications, and error diagnosis.
• Record formats are formed of PL/1 declare statements, with associated comments.
• Program descriptions are in narrative form keyed to the labels and comments in the PL/1 programs.
• The program modifications section describes procedure for correcting or modifying the source programs.
• The error diagnosis section describes the techniques for locating 1) an error within the programs, 2) selected data items from the output of the linkage editor map.
Manual, 8 1/2 x 11 inches, 72 pgs, 4/77

LY20-2269

STORAGE DEVICE MIGRATION AID (SDMA) - IUP 5796-PHP SYSTEMS GUIDE

The Systems Guide is for those systems and applications programmers who handle program modifications, error diagnosis, and program maintenance for the Storage Device Migration Aid (SDMA), an IBM installed user program.

This guide is divided into four sections: record formats, program descriptions, program modifications, and error diagnosis.

- Record formats are formed of PL/1 declare statements, with associated comments.
- Program descriptions are in narrative form, keyed to the labels and comments in the programs.
- The program modifications section describes procedure for correcting or modifying the source programs.
- The error diagnosis section describes the techniques for locating 1) an error within the programs, 2) selected data items from the output of the linkage editor map.

Manual, 8 1/2 x 11 inches, 96 pgs, 3/77

LY20-2280

FORTRAN INTERACTIVE SUBROUTINE LIBRARY - IUP 5796-PHT, SYSTEM GUIDE

The FORTRAN Interactive Subroutine LIBrary (FISLIB) Installed User Program consists of a set of FORTRAN callable subroutines which can be used by a FORTRAN programmer to give more flexibility to interactive FORTRAN programs. FISLIB is used where the interaction of human decision making ability with the computer program is essential to permit users to choose between alternatives at key points during program execution. The interactive program produced can be run under: VM/CMS; any of the TSO options - OS/MVT, OS/SVS or OS/MVS; VS/PC FORTRAN; or DOS FORTRAN F utilizing the operating console.

The subroutines written in FORTRAN are designed to be system independent. They provide a simplified method of allowing the terminal program user to: specify program functions to be executed; specify parameters to be varied, reset or incremented; use a comprehensive desk calculator mode for intermediate computations; create procedures, a series of commands, executable by procedure name.

System Guide, 24 pgs, 2/77

LY20-2304

IMS SPACE MANAGEMENT UTILITIES II - LIC IUP 5796-PJJ, SYSTEMS GUIDE

The IMS Space Management Utilities II, feature number 8917, can help improve system performance and programmer productivity. The utilities are designed to assist in managing OS, OS/VS, IMS/360 and IMS/VS data space, to detect and report IMS H.D. pointer discrepancies, to provide statistics and information for H.D. tuning and to assist with segment restructuring and reloading during data base reorganization.

This publication describes the internal logic of the IMS Space Management Utilities II program. It is intended for use by persons involved in the maintenance of these utilities. The principal purpose of the publication is to serve as a guide to the program listings with which it is to be used.

Manual, 72 pgs, 5/77

LY20-8004

IMS/VS LOGIC VOLUME 1 OF 3, PROG PROD 5740-XX2

This publication is intended for programming support representatives and system programmers who maintain the IBM Information Management System/Virtual storage (IMS/VS). It describes overall IMS/VS flow of control. It also describes macros used and control blocks. This information is to assist persons who wish to alter the design of these tenance and who need information on the internal organization and logic of an IMS/VS system.

Manual, 600 pages, 5/76

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LY20-8005

IMS/VS V1 LOGIC VOLUME 2 OF 3 PROG PROD 5740-XX2

This publication is intended for programming support representatives and system programmers who maintain the IBM Information Management System/Virtual storage (IMS/VS). It describes overall IMS/VS flow of control. It also describes macros used and control blocks. This information is to assist persons who wish to alter the design of these modules. Before reading this manual, you should be familiar with OS/VS and its system generation, telecommunications, and the access methods used by IMS/VS.

Manual, 600 pages, 5/76

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-8006

CICS/OS/VS PROGRAM LOGIC MANUAL, PROG. PROD. 5740-XX1

The IBM Customer Information Control System/Virtual Storage, (CICS/VS) is a transaction-oriented, multiapplication data base/data communication interface between a System/370 operating system and user-written application programs. It is available as two program products: CICS/OS/VS, which runs in an OS/VS1 or OS/VS2 environment; and CICS/DOS/VS, which runs under DOS/VS. Applicable to most online systems, CICS/VS provides many of the facilities necessary for standard terminal application: message switching, inquiry, data collection, order entry, and conversational and batch data entry.

The information contained in this manual is of interest to persons maintaining and modifying the operation of CICS/OS/VS.

Manual, 758 pages

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-8007

CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE (CICS DOS/VS) PROGRAM LOGIC MANUAL - PROG. NO. 5746-XX3
The IBM Customer Information Control System/Virtual Storage (CICS/VS) is a 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 and batch data entry.

CICS/VS is available as two program products: CICS/OS/VS, which runs in an OS/VS1 or OS/VS2 environment; and CICS/DOS/VS, which runs under DOS/VS. 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 more up through DOS/VS into OS/VS.

The information contained in this manual is of interest to persons maintaining and modifying the operation of CICS/DOS/VS.

Manual, 670 pages

SLSS - INTERNAL SUBSCRIPTION ONLY

LY20-8010

GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/VS) PROGRAM LOGIC MANUAL VOLUME 1 - PROG. PROD. 5740-XX7

This publication is Volume 1 of a three-volume manual. Volume 2 is LY20-8011; Volume 3 is LY20-8012.

This manual outlines and details the internal logic of GIS/VS. The organization of the manual reflects the design structure of interfacing program units of the system. When applicable, the manual includes diagnostic comments to assist in isolating faulty operation and also contains modification aids to assist the user in making minor changes to the system.

Manual, 494 pages

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-8011

GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/VS) PROGRAM LOGIC MANUAL VOLUME 2 - PROG. NO. 5740-XX7

This publication is Volume 2 of a three-volume manual. Volume 1 is LY20-8010; Volume 3 is LY20-8012.

This manual outlines and details the internal logic of GIS/VS. The organization of the manual reflects the design structure of interfacing program units of the system. When applicable, the manual includes diagnostic comments to assist in isolating faulty operation and also contains modification aids to assist the user in making minor changes to the system.

Manual, 436 pages

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-8012

GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/VS) PROGRAM LOGIC MANUAL VOLUME 3 - PROG. NO. 5740-XX7

This publication is volume 3 of a Three-Volume Manual. Volume 1 is LY20-8010; Volume 2 is LY20-8011.

This manual outlines and details the internal logic of GIS/VS. The organization of the manual reflects the design structure of interfacing program units of the system. When applicable, the manual includes diagnostic comments to assist in isolating faulty operation and also contains modification aids to assist the user in making minor changes to the system.

Manual, 410 pages

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-8013

GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/VS) PROGRAM LOGIC MANUAL SUPPLEMENT FOR THE ADVANCED QUERY FEATURE PROG. NO. 5740-XX7

This manual supplements the three volume Program Logic Manual (LY20-8010, LY20-8011, LY20-8012).

It is intended for users of the Advanced Query Feature.

Manual, 80 pages

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-8014

GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/VS) PROGRAM LOGIC MANUAL SUPPLEMENT FOR THE MODIFY FEATURE PROG. NO. 5740-XX7

This manual supplements the three volume Program Logic Manual (LY20-8010, LY20-8011, LY20-8012).

It is intended for users of the Modify Feature.

Manual, 27 pages

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-8015

GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/VS) PROGRAM LOGIC MANUAL SUPPLEMENT FOR THE UPDATE/CREATE FEATURE - PROG. NO. 5740-XX7

This manual supplements the three volume Program Logic Manual (LY20-8010, LY20-8011, LY20-8012).

It is intended for users of the Update/Create Feature.

Manual, 110 pages

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-8031

VSPC FORTRAN PROGRAM LOGIC, PROG PROD 5748-FO2
This publication is intended for programming support representatives and programmers who service the IBM VSPC FORTRAN program product. It describes the interface to the VS Personal Computing (VSPC) (a program product available under OS/VS1, OS/VS2 MVS, and DOS/VS) the FORTRAN compiler, and the library routines. It also describes the data areas (called rolls) used by the compiler and diagnostic tools and techniques which can be used in servicing VSPC FORTRAN. To use this book, you must be familiar with the IBM System/360 and System/370 FORTRAN IV Language, GC28-6515, and VSPC FORTRAN Terminal User's Guide, SH20-9062.
Distribution is restricted to licensees with the above mentioned requirement since program logic is not required to use the VSPC FORTRAN product. For information about a VSPC installation, see VS Personal Computing (VSPC) Installation Reference Material, SH20-9072.
Manual, 130 pages, 4/76
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-8032

VS APL PROGRAM LOGIC, PROG PROD 5748-API
This manual provides information on the design and program logic of VS APL. It includes logic flow and data descriptions. It serves as a guide to the program listings.
Manual, 200 pages, 1/76
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-8036

OS/VS1 AND OS/VS2 MVS VS PERSONAL COMPUTING (VSPC) LOGIC, PROG PRODS 5740-XR5, -XR6, -XRA
This publication is intended for programming support representatives and system programmers who service the IBM VS Personal Computing (VSPC) program product. It describes the method of operation of VSPC, the flow of control among the object modules, the major data areas used by VSPC, and the diagnostic tools and techniques required to determine and describe problems encountered in the operation of VSPC.
Before reading this manual, you should be familiar with OS/VS and its system generation, telecommunications, VSAM, and VTAM. For information on installation procedures, see VS Personal Computing (VSPC) Installation Reference Material, SH20-9072.
Distribution is restricted to licensees with the above-mentioned requirement since program logic is not required to use the VSPC product.
Manual, 8 1/2 x 11 inches, 450 pgs, 6/77
SLSS - IBM INTERNAL SUBSCRIPTION ONLYTES

LY20-8037

DB/DC DATA DICTIONARY, PROG PRODS 5740-XXF, 5746-XXC, LOGIC
This publication describes the internal logic of DB/DC Data Dictionary System and is directed towards the systems engineer and systems programmer responsible for program maintenance and/or modification. Sufficient information is supplied in the manual to enable a user to rapidly locate specific areas of the program, and to relate these areas to corresponding program listings. This manual is divided into six sections and an appendix.
The DB/DC Data Dictionary System is an application program designed to execute under an existing IMS/VS or DOS/VS DL/I system, and provides a centralized control for a user's data base and applications. It functions in either a batch or online environment. For an understanding of the program logic manual, the user should have a knowledge of the contents of the DB/DC Data Dictionary General Information Manual, GH20-9104, and the User's Guide, SH20-9083. Because program logic information is not necessary for program operation and/or use, the distribution of this manual is limited to those persons with program maintenance responsibilities.
Manual, 200 pages, 8/76
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-8039

DOS/VS VS PERSONAL COMPUTING (VSPC) LOGIC PROG PROD 5746-XR3
This publication is intended for programming support representatives and system programmers who service the IBM DOS/VS VS Personal Computing (VSPC) program product. It describes the method of operation of VSPC, the flow of control among the major object modules, and techniques required to determine and describe problems encountered in the operation of VSPC.
Before reading this manual, you should be familiar with DOS/VS and its system generation, telecommunications, VSAM, and VTAM. For information on installation procedures, see VS Personal Computing (VSPC) Installation Reference Material, SH20-9072.
Distribution is restricted to licensees with the above-mentioned requirement since program logic is not required to use the VSPC product.
Manual, 280 pgs, 9/76
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-8041

IMS/VS VERSION 1 LOGIC VOLUME 3 OF 3, PROG PROD 5740-XX2
This publication is intended for programming support representatives and system programmers who maintain the IBM Information Management System/Virtual Storage (IMS/VS). It describes overall IMS/VS flow of control. It also describes macros used and control blocks. This information is to

assist persons who wish to alter the design of these modules. Before reading this manual, you should be familiar with OS/VS and its system generation, telecommunications, and the access methods used by IMS/VS.
Manual, 600 pages, 5/76
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-8047

OS/MVT ANALYSIS PROGRAM-1 (AP-1) LOGIC, PROG 5799-ARG, PRPQ EG4653 FOR 3350 & 3330 MODEL 11 ON SYSTEM/370
This manual is intended for maintenance personnel who require an in-depth knowledge of AP-1's design, organization, data area and diagnostic information.
This manual describes the internal logic of AP-1 and contains a Microfiche directory and diagnostic information. The microfiche directory should be used with the program listings which show which module references the fields of data. The labels used in each module is also presented.
OS/MVT Analysis Program-1 (AP-1) User's Guide, SH20-9106, is a prerequisite.
Manual, 69 pages, 9/76
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-8049

OS/MVT AND OS/VS DASDR LOGIC - PROG PROD 5740-UT1
This manual is intended for programming support representatives and system programmers who support DASDR program product and require an in-depth knowledge of the organization, data areas, and diagnostic information of the program.
The manual describes the internal logic of the program and contains diagnostic information, data area descriptions, and figures that show the relationship between various parts of the program.
OS/MVT and OS/VS DASD User's Guide, SH20-9111, is a prerequisite manual.
Manual, 100 pages, 3/77
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY20-8050

IMS/VS VERSION 1 FAILURE ANALYSIS STRUCTURE TABLES (FAST) FOR DUMP ANALYSIS, PROG PROD 5740-XX2
This publication presents Failure Analysis Structure Tables (FAST) that associate abnormal termination conditions encountered in operation of IMS/VS with their causes. It is intended for both IMS/VS users and IBM Field Engineering programming support representatives who define and diagnose problems encountered in the operation of IMS/VS. Readers of this book should be able to use this book to precisely define a particular IMS/VS failure.
Manual, 900 pages, 12/76
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

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 Char. Reader and the IBM 1275 Optical Char. 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 1419/1275 programs is required to use this publication. See OS Data Management Services & Macro Instructions for IBM 1419/1275, GC21-5006 for information on how to write programs for the 1419 and 1275.
Manual, 74 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

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 1285, 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
SLSS - ORDER NO. SUBSCRIPTION ONLY

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
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For titles and abstracts of associated publications see the IBM SYSTEM/360 AND SYSTEM/370 BIBLIOGRAPHY (GA22-6822).
Manual, 172 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

LY21-0021

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
SLSS - INTERNAL SUBSCRIPTION ONLY

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
SLSS - INTERNAL SUBSCRIPTION ONLY

SY21-9203

APPLICATION CONTROL LANGUAGE SUPPORT LOGIC MANUAL (FOR IBM 3741 MODELS 3 & 4 PROGRAMMING WORK STATION)
This publication is intended for IBM programming support representatives when servicing an IBM 3741 MODEL 3 or 4 Programmable Work Station for microcode defects. This publication discusses the application control language (ACL) used on the work station and contains theory on how the work station's microcode works, source to object code conversion, information on the operation of each ACL instruction, a storage map and description of the system controlled storage, information for using the diagnostic aids, and information on some debugging aids that were not in the customer publications.
The reader should be familiar with the contents of the IBM 3741 Models 3 and 4 Programmable Work Station Programming Reference Manual, GA21-9194.
Manual, 240 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

LY24-3606

IBM EMULATOR FOR HONEYWELL SERIES 200 ON SYSTEM/370 USING DOS & DOS/VS: LOGIC, PROG. NO. 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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY24-3607

EMULATOR FOR RCA 301 ON SYSTEM/370 USING DOS & DOS/VS: LOGIC, PROG. NO. 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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

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.

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. Three appendixes provide information on Program Fetch, time slicing, shared DASD, extended precision floating point decimal simulator, generalized trace facility, and ECPS (extended control program support) for VS1.
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, 432 pages, (release 6)
SLSS - ORDER NO. SUBSCRIPTION ONLY

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

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/VS1 JCL Services, GC24-5100
Manual, 44 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY24-5162

OS/VS IBM 3886 OPTICAL CHARACTER READER MODEL 1 LOGIC
This publication, when used with program listings, meets the documentation requirements of support personnel who maintain the Operating System/Virtual Storage (OS/VS) support for the

IBM 3886 Model 1 under the Basic Sequential Access Method (BSAM). The publication describes the modules that form the IBM System/370 OS/VS support for the IBM 3886.
Manual, 56 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

OS/VS1 Planning and Use Guide, GC24-5090
OS/VS1 JCL Reference, GC24-5099
OS/VS1 JCL Services, GC24-5100
OS/VS1 Supervisor Services and Macro Instructions, GC24-5103
Manual, 336 pages, 2/76
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY24-5163

OS/VS IBM 3890 DOCUMENT PROCESSOR LOGIC

This publication when used with the program listings, provides the documentation requirements of support personnel who service the Operating System/Virtual Storage (OS/VS) support for the IBM 3890 Document Processor under the Queued Sequential Access Method (QSAM).

This publication describes the following modules that form the IBM System/370 OS/VS support for the IBM 3890:

- o OPEN Executor for the IBM 3890
- o SETDEV module
- o GET Module
- o SYNCH Module
- o CNTRL Module
- o ERP (error recovery procedure) module

Manual, 40 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

GY24-5164

OS/VS1 MASTER INDEX OF LOGIC

For information about this document contact controlling party 213.

Manual

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY24-5165

OS/VS DISKETTE COPY PROGRAMMING SUPPORT PROGRAM LOGIC

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

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY24-5166

OS/VS1 LOGIC FOR IBM 3540 DISKETTE INPUT/OUTPUT UNIT

This publication documents the internal operation of the programs that support operation of the IBM 3540 Diskette Input/Output Unit under OS/VS1. It helps the programmer follow the internal operation of the programs to determine the location of a program malfunction.

Manual, 100 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY24-5167

OS/VS2 LOGIC FOR IBM 3540 DISKETTE INPUT/OUTPUT UNIT

This publication documents the internal operation of the programs that support operation of the IBM 3540 Diskette Input/Output Unit under OS/VS2. It helps the programmer follow the internal operation of the programs to determine the location of a program malfunction.

Manual, 150 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY24-5168

OS/VS1 JOB MANAGEMENT LOGIC, VOLUME 1

This publication is Volume 1 of a two volume set. The two volume set replaces OS/VS1 Job Management Logic, SY24-5161. This volume contains Section 1: Job Management Concepts, Section 2: Method of Operation, and Section 3: Program Organization. Volume 2 (SY24-5169) contains Program Logic Manual Sections 4, 5, and 6.

This manual supplements the program listings and makes the information in the listings easier to access. It is for persons involved with program changes, and provides them with a hierarchical overview of the job management functions to show how they operate functional system flow to illustrate the functions performed by the various job management modules.

The user of this publication should be familiar with OS/VS1 concepts and terminology, and have a knowledge of the OS/VS1 job management functions. Prerequisite publications are:

- OS/VS1 Planning and Use Guide, GC24-5090
- OS/VS1 JCL Reference, GC24-5099
- OS/VS1 JCL Services, GC24-5100
- OS/VS1 Supervisor Services and Macro Instructions, GC24-5103

Manual, 540 pages, 2/76

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY24-5169

OS/VS1 JOB MANAGEMENT LOGIC, VOLUME 2

This publication is Volume 2 of a two volume set. It contains Section 4: Cross Reference Directory, Section 5: Data Areas, and Section 6: Diagnostic Aids. An appendix, Directory of Abbreviations, is also included. This volume is to be used in conjunction with its companion volume OS/VS1 Job Management Logic, Volume 1, SY24-5168.

Prerequisite publications are:

SY24-5170

OS/VS1 RECOVERY MANAGEMENT SUPPORT LOGIC

This publication describes three recovery management programs that are part of OS/VS1:

- o The Machine-Check Handler (MCH), a program that processes machine-check interruptions and writes diagnostic messages and error records.
- o The Channel-Check Handler (CCH), a program that receives control after the detection of a channel data check, channel control check, or interface control check.
- o Dynamic Device Reconfiguration (DDR), 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. This publication also includes appendixes for:
- o The Missing Interruption Checker (MIC), a program that checks to see that expected I/O interruptions occur within a specified time period.
- o The Power Warning Feature (PWF), a program that prevents the loss of information in real storage at the occurrence of a utility power disturbance. This publication is intended to be used as a guide to the program listings. The intended audience includes customer engineers, programming support representatives, and system programmers.

Manual, approx. 160 pgs, 8/76

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY24-6000

OS/VS2 MVS JES2 R4 LOGIC

This publication provides the Programming Service Representative and the using System Programmer with detailed information on the internal organization and logic of JES2 Release 4. The publication contains:

- Sec. 1 Introduction: describes the general characteristics and functions of JES2.
- Sec. 2 Method of Operation: contains HIPO diagrams that summarize the operation of JES2.
- Sec. 3 Program Organization: provides descriptions of the operation of each JES2 Module.
- Sec. 4 Directory: provides cross-reference lists and describes entry points.
- Sec. 5 Data areas: depicts and describes JES2 control blocks and data areas.
- Sec 6 Diagnostic Aids: lists register usage by major routines and describes error analysis techniques.
- Appendix A. JES2 Programmer Macros: describes JES2 macros and their use. Appendix B. Multi-Leaving: describes the basic principles of Multi-Leaving.
- Appendix C. Remote Terminal Bootstrap: describes the RTPBOOT bootstrap program. Appendix D. External Writer: describes the external writer program used for producing SYSOUT data sets on magnetic tape or direct-access devices.

Manual, 850 pages, 5/76

SLSS - ORDER NO. SUBSCRIPTION ONLY

LY24-6001

NETWORK JOB ENTRY FACILITY FOR JES2 PROG 5740-XR8, LOGIC

This manual describes the logic for JES2 and its relationship to MVS. It supplements the program listings and makes the information more accessible.

This manual is intended for those who are interested in determining the sources of errors within, or making changes to, the internal logic of JES2.

Manual, 876 pages, 7/76

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

SY25-7701

IBM VIRTUAL MACHINE FACILITY/370:ENVIRONMENTAL RECORDING EDITING AND PRINTING (EREP), LOGIC

This publication describes the internal logic and organization of the VM/370 service routine, CPEREP (Control Program Environmental Recording Editing and Print Program). This publication is intended for the IBM programming systems representative and installation programmer involved in maintenance and modification of VM/370 System Control Program (SCP).

This publication should be used in conjunction with IBM Virtual Machine Facility/370: Environmental Recording, Editing and Printing (EREP) Program, GC29-8300, which tells how to use the CPEREP program to edit and print error information and other system data contained on the VM/370 error recording cylinders.

Manual, 86 pages, 2/76

SLSS - ORDER NO. SUBSCRIPTION ONLY

LY26-3737

IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTIONASSEMBLER 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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY26-3760

OS ASSEMBLER H LOGIC PROG. NO. 5734-AS1

This publication describes the internal logic and operation of Assembler H 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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

SY26-3814

OS/VS LOADER LOGIC

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, 167 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY26-3815

OS/VS LINKAGE EDITOR LOGIC

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 at 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, 232 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY26-3820

OS/VS2 CHECKPOINT/RESTART LOGIC

This book describes the logic of the OS/VS2 routines that take a checkpoint and restart a job at a checkpoint. The major parts of this book and the information in them are as follows:

- o Introduction - describes the checkpoint/restart

routines in general terms and briefly tells what they do.

- o Method of Operation - describes the operations performed by checkpoint/restart routines and the input to and output from those operations.
- o Program Organization - shows the flow of control between the modules of checkpoint/restart and describes the major operations performed by each module.
- o Data Areas - shows the data areas used by checkpoint/restart routines.
- o Diagnostic Aids - Lists the messages, message codes, and return codes generated by checkpoint/restart modules.
- o Modules Directory - lists each checkpoint/restart modules and refers to a figure in "Program Organization" or "Method of Operation" that describes each module.

This book is intended for use by programming systems representatives and system programmers maintaining checkpoint/restart routines.

A general understanding of how the user requests that a checkpoint be taken and restarts his job is prerequisite knowledge for understanding the information in this book. See OS/VS Checkpoint/Restart, GC26-3784, for this type of information.

Manual, 115 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY26-3823

OS/VS2 I/O SUPERVISOR LOGIC REL 3, 3.6 WITH SN28-2618 AND SN28-2736, REL 3.7

Intended as an aid in troubleshooting the OS/VS2 I/O supervisor, the component responsible for communicating with the system's I/O devices. Contains two paths to the microfiche listings: a tutorial path, to make the listings meaningful to the reader lacking a basic understanding of the I/O supervisor's function and design; and a diagnostic path, to get the knowledgeable reader from a dump, a message, or an error code as near the source of error as possible.

The chapters that make up the tutorial path name and classify the collars of the I/O supervisor, tell how the callers ask for services, and describe how the I/O supervisor performs the services. The chapters that make up the diagnostic path show the diagnostic output of I/O supervisor procedures and give the flow-of-control between the procedures.

Contains two appendixes: the first describes the logic of the OS/VS2 EXCP processor, a component that communicates the requests of some IBM access methods to the IBM access methods to the I/O supervisor; the second gives an overview of the error recovery processing that is done following an I/O error.

Related Publication: OS/VS2 Scheduler and Supervisor Logic, SY28-0621

listings, this publication allows the reader to maintain or make changes to the I/O supervisor when necessary.

Related publications include OS/VS2 Supervisor Manual, 140 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY26-3825

OS/VS2 VSAM LOGIC

This manual is intended for maintenance personnel and development programmers who require an in-depth knowledge of OS/VS2 VSAM/2 design, organization, and data areas. The Virtual Storage Access Method (VSAM) is an access method for use with OS/VS for data stored on direct-access storage devices.

The manual describes the internal logic of VSAM and contains module directories and diagnostic information. It should be used with the program listings and with the VSAM microfiche cross-reference tables that show which program modules reference the fields of data areas, which modules issue the macros used by VSAM, and how control flows between program procedures.

OS/VS Virtual Storage Access Method (VSAM) Programmer's Guide, GC26-3838, is a prerequisite.
Manual, 300 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY26-3826

OS/VS2 CATALOG MANAGEMENT LOGIC

This manual is intended for maintenance personnel and development programmers who require an in-depth knowledge of OS/VS2 Catalog Management's design, organization, data areas, and diagnostic information.

The manual describes the internal logic of OS/VS Catalog management and contains diagnostic information, data area descriptions, and figures and tables that show the relationship between various parts of the program.

OS/VS Virtual Storage Access Method (VSAM) Programmer's Guide, GC26-3838, and OS/VS Access Method Services, GC26-3836, are prerequisites.
Manual, 320 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY26-3827

OS/VS2 OPEN/CLOSE/EOV LOGIC: REL 3, 3.6; WITH SN26-0823, REL 3.7

This publication is intended for system programmers and

people who want to understand the Open/Close/End-of-Volume (EOV) (functions).

Open opens a data set by linking system control blocks so that the access methods can perform the input/output operations. EOV applies these linkages when the end of a volume of a multivolume data set is reached and performs end-of-data processing. Close closes a data set by restoring the system control blocks to the contents they had before the data set was opened.

The book is divided into the following sections: Introduction, Method of Operation, Program Organization, Directory, Data Areas, and diagnostic Aids. The latter section discusses how to use a set of routines called Problem Determination to find the causes of errors that occur during Open/Close/EOV processing.

Te reader is expected to be familiar with OS Data Management, as described in OS/VS Data Management Services Guide, GC26-3783.

Manual
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY26-3828

OS/VS2 DADSM LOGIC REL 3, 3.6, WITH SN26-0819, REL 3.7

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 support 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. Prerequisite Publications:

For how-to and reference information on allocating, extending, and releasing space as direct-access volumes: OS/VS1 JCL, GC28-0692

For reference information on space allocation: OS/VS Data Management Services Guide, GC26-3783.

For reference and how-to information on deleting data sets (SCRATCH macro), renaming data sets (RENAME macro), obtaining access to DSCBs (OBTAIN macro) and providing password protection for data sets (PROTECT macro):

OS/VS2 System Programming Library: Data Management GC26-3830

Manual, 150 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY26-3831

OS/VS2 BDAM LOGIC

This book describes the internal logic of the Basic Direct Access Method (BDAM) for OS/VS2. It is intended as a reference book for IBM Programming Support Representatives and system programmers who maintain or alter BDAM routines.

A general knowledge of data management is required for understanding the information in this book. See OS/VS Data Management Services Guide, GC26-3783, for background information on data management.

Manual, 140 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY26-3832

OS/VS2 SAM LOGIC

This manual contains a general description of the Get, Put, Write and associated modules for QSAM, BSAM, and BPAM. SAM executors and appendages are also described.

The manual is intended for use by persons involved in programming support and system programmers who are altering the program design.

The SAM routines used for optical character readers, and magnetic character readers are discussed in separate publications, in the IBM System/360 and System/370 Bibliography, GA22-6822. These are prerequisites for this publication:

- o OS/VS2 Planning Guide, for OS/VS2, GC28-0667.
- o OS/VS Data Management Services Guide, GC26-3783.

Manual, 283 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY26-3833

OS/VS2 ISAM LOGIC

This publication describes the program logic of the two index sequential access methods: the queue indexed sequential access method (QISAM) and the basic indexed sequential access method (BISAM). It also discusses the relationship of indexed sequential access method routines to other parts of the control program.

This publication is intended for personnel supporting or modifying ISAM.

These publications are prerequisite to this publication:

- o OS/VS Data Management Services Guide, GC26-3783
- o OS/VS Data Management Macro Instructions, GC26-3793

Manual, 288 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY26-3834

OS/VS2 VIO LOGIC

This book describes what the VIO processor does and how it operates. It is intended for IBM programming support

representatives and system programmers who are learning about, supporting, or modifying the VIO logic. They should be thoroughly familiar with the OS/VS2 environment and with channel programming.

VIO enables system-named temporary data sets to reside in external page storage and to be processed using paging I/O. VIO interprets regular I/O requests and simulates their execution by moving data between a user's buffer and the VIO buffer. VIO uses paging I/O to cause the pages in the VIO buffer to be intermittently paged in or out of main storage as required.

To thoroughly understand the logic involved in VIO processing, this book should be used with either listings, or microfiche of compiled VIO source code.

The following are prerequisite publications:

- o For information about ASM processing in support of VIO, see OS/VS2 Auxiliary Storage Management (ASM) Logic, SY35-0009
- o For an orientation to the OS/VS2 system, see OS/VS2 Planning Guide for Release 2, GC28-0667
- o For information about job management, task management, real storage management (RSM), virtual storage management (VSM), and recovery/termination management (RTM) and their support of VIO processing, see OS/VS2 Scheduler and Supervisor Logic, SY28-0621
- o For information about I/O appendages, see OS/VS2 System Programming Library: Data Management, GC26-3830.

Manual

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY26-3836

OS/VS1 BDAM LOGIC

This book describes the internal logic of the Basic Direct Access Method (BDAM). It is intended as a reference book for IBM programming support 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 book. See OS/VS Data Management Services Guide, GC26-3783, for background information about data management and OS/VS1 Planning and Use Guide, GC24-5090, for information about OS/VS1.

Manual, 110 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY26-3837

OS/VS1 DADSM LOGIC: REL 4; WITH SN26-0807, REL 5

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 the system control program (OS/VS1); it also describes data set control blocks which make up the volume table of contents.

The intended audience is persons who support 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.

Prerequisite publications:

- o For how to and reference information on allocating extending and releasing space on direct-access volumes: OS/VS1 JCL Services, GC24-5100, and OS/VS1 JCL Reference, GC24-5099.
- o For reference information on space allocation: OS/VS Data Management Services Guide, GC26-3783.
- o For reference and how-to information on deleting data sets (SCRATCH macro), renaming data sets (RENAME macro), obtaining access to DSCBs (OBTAIN macro) and providing password protection for data sets (PROTECT macro):
- o For general information about the operating system: OS/VS1 Planning and Use Guide, GC24-5090
- o For details about the System Management Facilities (SMF) records: OS/VS System Management Facilities (SMF), GC35-0004
- o For reference and how-to information on using IEHLIST, OS/VS Utilities, GC35-0005

OS/VS1 Data Management for System Programmers, GC26-3837.

Drop shipped to major users; minimal supply available at IBM Distribution Center to meet other requirements.

Manual, 147 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY26-3838

OS/VS1 ISAM LOGIC

This publication describes the program logic of the two indexed sequential access methods: the queued indexed sequential access method (QISAM) and the basic indexed sequential access method (BISAM). It also discusses the relationship of indexed sequential access method routines to other parts of the control program.

This publication is intended for personnel supporting or modifying ISAM. These publications are prerequisite to this publication.

- o OS/VS Data Management Services Guide, GC26-3783
- o OS/VS Data Management Macro Instructions, GC26-3793

Manual, 288 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY26-3839

OS/VS1 OPEN/CLOSE/EOV LOGIC

This publication describes the functions (units of processing) and modules (unit of code) of the Open/Close/End-of Volume portion of the operating system. It also describes the relationship of Open/Close/EOV to the portions of the operating system 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 divided into seven sections: Introduction, Method of Operation, Program Organization, Module Directory, Data Areas, Diagnostic Aids, and Appendix.

This book uses DCB and ACB as interchangeable terms. Where it is necessary to refer to both control blocks, they are referred to as DCB/ACB or DCB or ACB. DCB is used as the prefix for all fields within these control blocks (for example, DCBMACRF). The ACB is used by the job entry subsystem (JES) and by the virtual storage access method (VSAM) to logically connect the system program or a user's program to a data set, in the same way that a DCB is used. Manual, 240 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY26-3840

OS/VS1 SAM LOGIC

The information in this manual is intended for programming support customer engineers and programmers who require specific information about (QSAM) queued sequential access method, (BASAM) basic sequential access method, and (BPAM) basic partitioned access method routines.

A general understanding of data management is prerequisite knowledge for understanding the information in this book. See OS/VS Data Management Services Guide, GC26-3783, for background information on data management.

The manual is organized into six sections: Introduction, Method of Operation, Directory, Data Areas, Program Organization and Flow of Control, and Appendixes. Manual, 232 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY26-3841

OS/VS1 VIRTUAL STORAGE ACCESS METHOD (VSAM) LOGIC: REL 4; WITH GN26-0818, REL 5; AND SN26-0883, REL 6

This book is intended for maintenance personnel and development programmers who require an in-depth knowledge of OS/VS1 VSAM's design, organization, data areas, and diagnostic information.

The book describes the internal logic of the OS/VS1 Virtual Storage Access Method (VSAM) and contains diagnostic information, data area descriptions, and figures and tables that show the relationship between various parts of the program.

OS/VS Virtual Storage Access Method (VSAM) Programmer's Guide, GC26-3858, and OS/VS Access Method Services, GC26-3836, are prerequisite books. Manual, 453 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY26-3851

OS/VS ANALYSIS PROGRAM-1 (AP-1) LOGIC

This publication is intended for maintenance personnel and system programmers who require an in-depth knowledge of AP-1 design, organization, and data areas. AP-1 is a program for use with the IBM 3344 and 3350 Direct-Access Storage Devices. The system programmer will need this manual to determine which drive test or data verification test detected an error on the 3344 or 3350.

This publication describes the internal logic of AP-1 and contains module directories and diagnostic information. It should be used with the program listings.

The prerequisite publication is OS/VS and DOS/VS Analysis Program-1 (AP-1) User's Guide, GC26-3855. Manual, 3/76

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY26-3852

DOS/VS ANALYSIS PROGRAM-1 (AP-1) LOGIC

This publication is intended for maintenance personnel and system programmers who require an in-depth knowledge of AP-1 design, organization, and data areas. AP-1 is a program for use with the IBM 3344 and 3350 Direct-Access Storage Devices. The system programmer will need this manual to determine which drive test or data verification test detected an error on the 3344 or 3350.

This publication describes the internal logic of AP-1 and contains module directories and diagnostic information. It should be used with the program listings.

The prerequisite publication is OS/VS Analysis Program-1 (AP-1) User's Guide, GC26-3855. Manual, 3/76

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY26-3853

OS/VS2 SVS INDEPENDENT COMPONENT: IBM 3350 & 3340/3344 LOGIC

This publication presents changes made to OS/VS2 Release 1.7 (SVS) components to accommodate an Independent Component which provides support for the IBM 3350 and 3340/3344 Direct Access Storage program number 5742-017). This publication supplements the particular editions of OS/VS SYS1.LOGREC. Error Recording Logic OS/VS1 Release 2 and OS/VS2 Release

1), SY28-0639-1, and OS/VS Utilities Logic (OS/VS1 Release 1), SY35-0005-0, which are obtained by ordering SQ68-0639 and ST75-0005, respectively. This publication is intended for the IBM programming service representative, installation programmer, and others who will maintain installations with this Independent Component.

Manual, 6/76

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY26-3854

OS/VS2 SVS INDEPENDENT COMPONENT: 3800 PRINTING SUBSYSTEM LOGIC, SCP 5742-017, FEATURES 5081, 5082, 5470, AND 5471

This publication provides supplemental information (not formal TNLS, although the information is presented in TNL-like format) for the various program logic manuals that are changed to support the IBM 3800 Printing Subsystem independent component under Release 1.7 of OS/VS2 SVS. The intended audience is IBM program support representatives, installation programmers, and others involved in maintaining this independent component support.

Manual, 258 pgs, 9/76

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY26-3856

OS/VS2 SVS INDEPENDENT COMPONENT: ACCESS METHOD SERVICES LOGIC

This manual provides program logic information for the VSAM utility (Access Method Services) operating under Enhanced VSAM for OS/VS2 SVS. It is primarily for use by systems programmers who need in-depth knowledge of how the utility works and for service personnel to determine if and where software failures have occurred.

Manual, 8-1/2 x 11 inches, 692 pages, 2/77

SY26-3857

OS/VS2 SVS INDEPENDENT COMPONENT: VIRTUAL STORAGE ACCESS METHOD (VSAM) LOGIC

This book provides program logic information for Enhanced VSAM under OS/VS2 Release 1.7 (SVS). It is intended for maintenance personnel and development programmers who require an in-depth knowledge of OS/VS2 SVS VSAM's design, organization, data areas, and diagnostic information. Manual, 8-1/2 x 11 inches, 684 pages, 1/77

SY26-3858

OS/VS2 DADSM LOGIC (COLLATED VERSION)

No abstract available.

Manual, 160 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY26-3859

OS/VS2 VIO LOGIC (COLLATED VERSION)

This book describes what the VIO processor does and how it operates. It is intended for IBM programming support representatives and system programmers who are learning about, supporting or modifying the VIO logic. They should be thoroughly familiar with the OS/VS2 environment and with channel programming.

VIO enables system-named temporary data sets to reside in external page storage and to be processed using paging I/O. VIO interprets regular I/O requests and simulates their execution by moving data between a user's buffer and the VIO buffer. VIO uses paging I/O to cause the pages in the VIO buffer to be intermittently paged in or out of storage as required.

To thoroughly understand the logic involved in VIO processing, this book should be used with either listings, or microfiche of compiled VIO source code.

The following are prerequisite publications:

- o For information about ASM processing in support of VIO, see OS/VS2 Auxiliary Storage Management (ASM) Logic, SY35-0009
- o For an orientation to the OS/VS2 system, see OS/VS2 Planning Guide for Release 2, GC28-0667
- o For information about job management, task management, real storage management (RSM), virtual storage management (VSM), and recovery/termination management (RTM) and their support of VIO processing, see OS/VS2 Scheduler and Supervisor Logic, SY28-0621
- o For information about I/O appendages, see OS/VS2 System Programming Library: Data Management, GC26-3830.

This publication also includes information about the OS/VS2 MVS Supervisor performance #2 Selectable Unit VS2.03.807.

Manual, 120 pages, 8/76

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY26-3860

OS/VS2 CVOL PROCESSOR LOGIC (COLLATED VERSION)

This book describes the internal logic of the CVOL Processor and provides diagnostic information. This information is directed to maintenance personnel and development programmers who require in-depth knowledge of the design organization and data areas. It is not required for effective use of the CVOL Processor. This publication also includes information about the OS/VS2 MVS Data Management Selectable Unit VS2.03.008.

Manual, 122 pages, 8/76

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY26-3861

OS/VS2 SVS INDEPENDENT COMPONENT: IBM 3850 MASS STORAGE SYSTEM (MSS) LOGIC
This publication is intended for IBM programming service representatives, installation programmers, and others who maintain OS/VS2 SVS installations that include the independent component supporting the IBM 3850 Mass Storage System.

It describes changes made to the logic of SVS and MSS programs as a result of MSS support by SVS, and consists of twenty independent chapters that document the changes to twenty program logic manuals.
Manual, 12/76

SY26-3865

OS/VS2 MVS JES3 MSS SUPPLEMENT, SUID 5752-818
This System Library Supplement provides replacement pages for OS/VS2 OPEN/CLOSE/EOV Logic, SY26-3827, to support the IBM 3850 Mass Storage System (MSS).
Manual, 8 1/2 x 11 inches, 40 pgs, 3/77
SLSS - ORDER NO. SUBSCRIPTION ONLY

GY27-7198

IBM SYSTEM/360 OPERATING SYSTEM: MACHINE-CHECK HANDLER FOR SYSTEM/370 MODELS 155 THRU 168 (LOGIC), P/N 360S-DN-539
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
SLSS - ORDER NO. SUBSCRIPTION ONLY

GY27-7228

7074 OS EMULATOR ON MODELS 165/168 - LOGIC PROG. NOS. 360C-EU-739 (OS), 5744-AK1 (VS1, VS2)
This publication describes the internal logic of the IBM 7074 Emulator Program for the IBM System/370 Models 165 and 168. The emulator program is a problem program that executes under the MFT, MVT, VS1, or VS2 configuration of the Operating System. The IBM Compatibility Feature #7117 must be installed on the model you use.

The emulator program executes object programs written for the IBM 7074 Data Processing System. Major topics in this publication 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.
Manual
SLSS - ORDER NO. SUBSCRIPTION ONLY

GY27-7229

7080 OS EMULATOR ON MODELS 165/168: LOGIC, PROG. NOS. 360C-EU-737 (MFT/MVT), 5744-A11 (VS1/VS2)
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
SLSS - ORDER NO. SUBSCRIPTION ONLY

LY27-7230

VIDEO/370 LOGIC MANUAL - PROGRAM NUMBERS 5734-RC5, 5736-RC3
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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GY27-7237

IBM SYSTEM/360 OPERATING SYSTEM: MACHINE-CHECK HANDLER FOR SYSTEM/370 MODELS 135 AND 145 (LOGIC), P/N 360S-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
SLSS - ORDER NO. SUBSCRIPTION ONLY

GY27-7238

7074 OS EMULATOR ON MODELS 155/158 LOGIC PROG. NOS. 360C-EU-741 (OS); 5744-AJ1 (VS1, VS2)
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
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY27-7239

OS/VS RECOVERY MANAGEMENT SUPPORT LOGIC: SVS REL 1.6; VS1 REL 4, 5

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

SLSS - ORDER NO. SUBSCRIPTION ONLY

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

SLSS - ORDER NO. SUBSCRIPTION ONLY

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY27-7242

OS/VS GRAPHIC SUBROUTINE PACKAGE (GSP) FOR FORTRAN IV, COBOL AND PL/I LOGIC

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY27-7243

OS/VS2 IPL AND NIP LOGIC: REL 1.6 ONLY

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: VS/2 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
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY27-7244

OS/VS2 SUPERVISOR LOGIC (THROUGH RELEASE 1.6 ONLY)

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 (2 volumes)
SLSS - ORDER NO. SUBSCRIPTION ONLY

GY27-7245

DOS VERSION 4 BTAM LOGIC, PROG. NO. 370N-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
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY27-7246

OS/VS BTAM LOGIC

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY27-7249

DOS/VS QTAM LOGIC MANUAL

This reference publication describes the internal logic of the Queued Telecommunications Access Method (QTAM) under DOS/VS (Disk Operating System with Virtual Storage).

It is intended for persons involved in program maintenance and by systems programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, the distribution of this publication is limited to those with maintenance and alteration requirements.

Manual, 369 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY27-7250

OS/VS2 RECOVERY MANAGEMENT SUPPORT LOGIC REL 2; WITH

SN27-1505, REL 3, 3.6, 3.7
Provides reference material on the RMS Logic and on the Power Warning Feature Support logic for support maintenance personnel.

Manual, 144 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY27-7251

DOS/VS BTAM LOGIC MANUAL

This publication describes the internal logic of the Basic Telecommunications Access Method (BTAM) in DOS/VS (Disk Operating System with Virtual Storage). 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 alphabetic 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/VS BTAM, GC27-6989.
Manual, 456 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

GY27-7255

OS/VS2 HASP II VERSION 4 LOGIC MANUAL - PROGRAM NUMBER 370H-TX-001

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.

This publication contains seven sections:

Section 1 Introduction - describes the general characteristics and functions of HASP II Version 4.

Section 2 Method of Operation - contains HIPO (Hierarchy plus Input-Process-Output) diagrams that describe the operation of HASP II Version 4. The diagrams are high level and are designed to guide the reader to a particular area of the program listing.

Section 3 Program Organization - describes the HASP general program organization and each of the HASP processors.

Section 4 Directory - provides cross-reference lists.

Section 5 Data Areas - contains descriptions of the interrelationship and content of HASP data areas and control blocks.

Section 6 Diagnostic Aids - contains information necessary for interpreting the program listing and diagnosing program failures.

Section 7 Appendix A HASP Programmer Macros - describes HASP macro instructions and their use.

Glossary - defines HASP terms.

Related OS/VS publications are listed in the IBM System/360 and System/370 Bibliography, GA22-6822.
Manual, 484 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY27-7256

INTRODUCTION TO VTAM (LEVEL 2) LOGIC; MVS; SVS REL 1.7; VSI REL 5; WITH SN27-1552, VSI REL 6; DOS/VS PLANNING ONLY
 This publication describes the general way that the Virtual Telecommunications Access Method (VTAM) works, the interfaces that exist between major groups of VTAM routines, and the control blocks that VTAM uses. The VTAM routines are grouped into six major categories: initialization and termination services configuration services; system services; and reliability, availability, and serviceability. This publication is one of a set of publications that describe the logic of VTAM. It describes the high-level logic, which is similar in the DOS/VS, OS/VSI, and OS/VS2 versions of VTAM. The VTAM logic manuals for each system describe the lower-level, system-dependent VTAM logic. This manual is available immediately in Mechanicsburg for planning purposes until VTAM Level 2 is available. Users of this manual for VTAM Level 1.1 should now order by the temporary order number, ST67-7256-1.
 Manual, 116 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SY27-7257

OS/VSI VTAM LOGIC
 This manual is the second part of a two-part description of the logic of the Virtual Telecommunications Access Method (VTAM) for OS/VSI. The first part is the Introduction to VTAM Logic, SY27-7256, which describes the high-level logic. The two manuals are intended primarily for IBM Programming Support Representatives, to enable them to quickly locate failures in the access method. Using OS/VSI VTAM Logic, the PSR can determine the module that performs a particular function; pertinent information about each module is provided and control flow diagrams show how control passes between modules. The data areas for OS/VSI VTAM Logic are contained in a separate publication, VTAM Data Areas, SY27-7265.
 Prerequisite publications: none
 Manual, 992 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY

GY27-7259

7094 OS EMULATOR ON MODELS 165/168: LOGIC, PROG. NOS. 360C-EU-740 (MFT/MVT) & 5744-AM1 (VSI/VVS2)
 This manual describes the internal logic of the IBM 709/7090/7094 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.
 Manual
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SY27-7260

OS/VS2 GRAPHIC ACCESS METHOD LOGIC
 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, 108 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SY27-7262

DOS/VS VTAM LOGIC
 This manual is the 2nd part of a 2 part description of the logic of the virtual Telecommunications Access Method (VTAM) for DOS/VS. The 1st part is the Introduction to VTAM Logic, SY27-7256, which describes the high-level logic. The two manuals are intended primarily for IBM programming support representatives to enable them to quickly locate failures in the access method. Using DOS/VS VTAM Logic, the PSR can determine the module that performs a particular function; pertinent information about each module is provided and control flow diagrams show how control passes between modules.

The data area for DOS/VS VTAM Logic are contained in a separate publication, VTAM DATA AREAS, SY27-7263.
 Manual, 754 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SY27-7265

DOS/VS VTAM LEVEL 2 DATA AREAS
 This manual contains diagrams of the data areas (control blocks) used in the Virtual Telecommunication Access Method (VTAM) for DOS/VS. These diagrams are used by programming service representatives in diagnosing VTAM Program malfunctions.
 Manual, 292 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SY27-7266

OS/VSI VTAM DATA AREAS
 This manual provides a diagram of each OS/VSI VTAM data area. Each data area is documented with introductory information, an alphabetical list of fields, an explanation of flags, and a list of constants. Explanations of VTAM components are given with emphasis on the data areas used in the components. The primary users of the manual are IBM PSRs and customer system programmers.
 Prerequisites: VTAM Concepts and Planning, GC27-6998
 Introduction to VTAM Logic, SY27-7256
 Manual, 400 pages, 11/75
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SY27-7267

OS/VS2 MVS VTAM (LEVEL 2) DATA AREAS
 This manual provides a diagram of each OS/VS2 MVS VTAM data area. Each data area is documented with introductory information, an alphabetical list of fields, an explanation of flags, and a list of constants. Explanation of VTAM components are given, with emphasis on the data areas used within components. The primary users of the manual are IBM PSRs and customer system programmers.
 PREREQUISITES: VTAM Concepts and Planning GC27-6998
 OS/VS2 VTAM Logic SY28-0621
 Manual, 370 pages, 2/76
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SY27-7269

OS/VS2 MVS VTIOC AND TCAS LOGIC
 This publication describes the internal organization and logic of the VTAM terminal I/O coordinator (VTIOC) and the terminal control address space (TCAS). This publication is intended for the IBM programming system representative who is involved in maintaining VTIOC and TCAS, and for the system programmer who is involved in modifying VTIOC or TCAS.
 Manual, 170 pgs, 5/76
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SY27-7270

DOS/VS VTAM (LEVEL 2) EXECUTION SEQUENCES
 This publication shows the sequence of execution of VTAM modules for selected macros and operator commands. It is intended to supplement DOS/VS VTAM Logic, SY27-7262 and DOS/VS VTAM Debugging Guide, GC27-0021. It will be used by persons who maintain and debug VTAM.
 Prerequisite publication: Introduction to VTAM Logic, SY27-7256.
 Manual, 50 pages, 11/75
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SY27-7271

OS/VS VTAM (LEVEL 2) EXECUTION SEQUENCES
 This publication shows the sequence of execution of VTAM modules for selected macros and operator commands. It is intended to supplement OS/VSI VTAM Logic, SY27-7257, and OS/VSI VTAM Debugging Guide, GC27-0022. It will be used by persons who maintain and debug VTAM.
 Prerequisite publication: Introduction to VTAM Logic, SY27-7256.
 Manual, 50 pages, 11/75
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SY27-7272

OS/VS2 MVS VTAM (LEVEL 2) EXECUTION SEQUENCE LOGIC
 This publication shows the sequence of execution of VTAM modules for selected macros and operator commands. It is intended to supplement OS/VS2 VTAM Logic, SY28-0621 and OS/VS2 VTAM Debugging Guide, GC27-0023. It will be used by persons who maintain and debug VTAM.
 Prerequisite publication: Introduction to VTAM Logic, SY27-7256.
 Manual, 50 pages, 1/76
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SY27-7273

SUPPLEMENT TO DOS/VS REL 32 LOGIC PUBLICATION FOR RUNNING THE BATCH TRANSFER PROGRAM (BTP) AS A SUBTASK OF VTAM
 Describes changes to current VTAM logic and data areas publications when running the Batch Transfer Program (BTP) as a VTAM subtask in DOS/VS Release 32. It is intended for IBM Program Support representatives or others providing VTAM logic support.

Manual, 10 pages, 6/76
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY27-7276

OS/VS2 SVS VTAM LOGIC

This manual is the second part of a 2 part description of the logic of the Virtual Telecommunications Access Method (VTAM) for SVS. The first part is the Introduction to VTAM Logic, SY27-7256, which describes the logic at a higher level. The two manuals are intended primarily for IBM PSRs, to enable them to quickly locate failures in the access method. Included in this publication are HIPO diagrams describing the logic of the VTAM components, control flow diagrams showing how control is passed between modules, and module information about each VTAM module.

Prerequisites: Introduction to VTAM Logic, SY27-7256
VTAM Concepts and Planning, GC27-6998

Manual, 712 pages, 6/76
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY27-7277

OS/VS2 SVS VTAM DATA AREAS

This manual provides data maps for OS/VS2 SVS VTAM and is intended to be used in conjunction with OS/VS2 SVS VTAM Logic, SY27-7276.

Included are a list of fields in alphabetical order, a list of flags and masks, and a list of constants for each data area. The primary users of this manual are IBM PSRs and customer system programmers.

Prerequisites: VTAM Concepts and Planning, GC27-6998
and OS/VS2 SVS VTAM Logic, SY27-7276.

Manual, 412 pages, 6/76
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY27-7278

OS/VS2 SVS VTAM EXECUTION SEQUENCES

This manual provides sample execution sequences of OS/VS2 SVS VTAM modules involved in processing selected VTAM macros and network operator commands. It is intended to supplement OS/VS2 SVS VTAM Logic, SY27-7276, and OS/VS2 SVS VTAM Debugging Guide, GC27-0050. It is to be used by IBM PSRs and system programmers to aid in debugging and maintaining VTAM.

Prerequisite: Introduction to VTAM Logic,
SY27-7256-0.

Manual, 6/76
SLSS - ORDER NO. SUBSCRIPTION ONLY

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0612

OS/VS2 JES3 LOGIC

Describes the function and logic of the JES3 component of OS/VS2 Release 3. It is designed for those who must service the JES3 system.

Manual, 702 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0620

OS/VS2 JOB MANAGEMENT LOGIC (SVS)

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0621

OS/VS2 MVS VTAM (LEVEL 2) LOGIC

This manual is the second part of a two-part description of the logic of the Virtual Telecommunications Access Method (VTAM) for OS/VS2. The first part is the introduction to VTAM Logic, SY27-7256, which describes the high level logic. The two manuals are intended primarily for IBM Programming Support Representatives, to enable them to quickly locate failures in the access method using OS/VS2 VTAM Logic, the PSR can determine the module that performs a particular function; pertinent information about each module is provided and control flow diagrams show how control passes between modules. The data areas for OS/VS2 VTAM Logic are contained in a separate publication, OS/VS2 DATA AREAS SY27-7267.

Diagnostic aids are contained in OS/VS2 Debugging Guide, GC27-0023; and OS/VS2 VTAM Control Block Overview, GX27-0031.

Manual, 700 pages, 1/76
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0622

OS/VS2 JES2 LOGIC: VS2 REL 1-6 THROUGH 3.6

This manual describes the purpose and functions of JES2 and its relationship to OS/VS2 Release 2. It does not replace the program listings; it supplements them and makes the information in them more accessible. This publication contains the following sections:

Section 1 Introduction - describes the general characteristics and functions of JES2.

Section 2 Method of Operation - contains HIPO (Hierarchy plus Input-Process-Output) diagrams that describe the operation of JES2.

The diagrams are high level and are designed to guide the reader to a particular area of the program listings.

Section 3 Program Organization - describes the JES2 general program organization and each of the JES2 processors.

Section 4 Directory - provides cross-reference lists.

Section 5 Data Areas - contains descriptions of the interrelationship and content of data areas and control blocks.

Section 6 Diagnostic Aids - contains information necessary for interpreting the program listing and diagnosing program failures.

Section 7 Appendixes:

A - JES2 Programmer Macros - describes JES 2 macro and their use.

B - MULTI-LEAVING* - describes the basic principles of MULTI-LEAVING.

C - Remote Terminal Bootstrap - describes the RTPBOOT bootstrap program.

D - External Writer - describes the External Writer program which is used for producing SYSOUT data sets on magnetic tape or direct-access devices.

Manual, 828 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0623

OS/VS2 SYSTEM INITIALIZATION LOGIC REL 2, 3, 3.6; WITH SN28-2617, REL 3-7

This publication describes the functions and internal logic of the system initialization process for the OS/VS2 Release 2 System. This publication is intended for the IBM programming systems representative who is involved in modifying system initialization programs.

Systems publication, 260 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0626

OS/VS2 SCHEDULER AND SUPERVISOR LOGIC VOLUME 3 OF 3

This publication documents the internal logic of the following scheduler and supervisor functions:

- o Communications Task
- o Command Processing (including Reconfiguration Commands)
- o LOGON Scheduling
- o System Resources Manager
- o System Activity Measurement Facility (MF/1)
- o Region Control Task
- o Started Task Control (including START/LOGON/MOUNT)
- o Job Scheduler:
 - o Subsystem Interface
 - o Master Subsystem
 - o Initiator/Terminator
 - o SWA Create Interface
 - o Converter/Interpreter
 - o SWA Manager
 - o Allocation Unallocation
 - o System Management Facilities (SMF)
 - o System Log
 - o Checkpoint/Restart
- o Timer Supervision
- o Supervisor Control
- o Task Management
- o Program Management
- o Real Storage Management
- o Virtual Storage Management
- o Recovery/Termination Management (R/TM)

To order Scheduler and Supervisor Logic Volumes 1,2, and 3 (SY28-0624-0, SY28-0625-0, SY28-0626-0) use order number SBOF-8210.

Manual, 692 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

I/O Service Routines
Systems Publication, 88 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0635

OS/VS1 SERVICE AIDS LOGIC

This publication describes the functions and internal logic of eight service aid programs provided for use in servicing OS/VS1. These service aid programs are: Generalized Trace Facility, HMAPTFLE, HMASPZAP, HMBLIST, HMDPRDMP, HMSADMP, IMCJOBQD, IMCOSJQD.

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/VS1 Service Aids, GC28-0665.

Systems Publication
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0654

OS/VS2 TSO TERMINAL MESSAGES DIRECTORY

This publication contains a directory of TSO Terminal Messages. The terminal message descriptions include the message text, brief description of why the message was issued, the modules associated with the message, and the external name of the program that issued the message.

This manual is intended for persons involved in program debugging and is not intended for normal use or operation of the programs referenced.

Manual
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0643

OS/VS2 SERVICE AIDS LOGIC

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, AMDPDMP, 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/VS2 Service Aids, GC28-0674, which tells how to use the service aid programs.

Manual, 408 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0655

OS/VS2 TSO SUPPORT FOR VS BASIC LOGIC: REL 1.6, 1.7

This publication describes the logic that supports VSBASIC or an equivalent in the TSO command processors. Only changes resulting from VSBASIC are documented in this publication.

This publication is intended for persons involved in program debugging, or system programmers who are altering the program design; it is not intended for normal use of the commands described.

Manual
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0650

OS/VS2 TSO TERMINAL MONITOR PROGRAM AND SERVICE ROUTINES LOGIC REL 3; WITH SN28-2631, REL 3.7

This publication describes the internal logic of the TSO Terminal Monitor Program (TMP) and the TSO Service Routines: STACK; GETLINE; PUTLINE; Command Scan; Parse; Dynamic Allocation Interface Routine (DAIR): Default and Catalog Information routines; and DAIR/SVC99 Error Code Analyzer.

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 for those who write programs that are processed by TSO.

Manual, 416 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0659

OS/VS2 TSO ENHANCEMENTS LOGIC

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 of 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
SLSS - ORDER NO. SUBSCRIPTION ONLY

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, LIST, and SYNC 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. Directories for routines are provided.

This manual is intended for persons involved in program debugging; it is not intended for normal use or operation of the programs described.

Manual, 542 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0660

OS/VS1 RES ACCOUNT FACILITY LOGIC

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0652

OS/VS2 TSO COMMAND PROCESSOR LOGIC VOLUME IV REL 3; WITH SN28-2630, REL 3.7)

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

The manual is intended for persons involved in program debugging, or systems programmers who are altering the design; it is not necessary for normal use or operation of the programs described.

Manual, 380 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0662

OS/VS1 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/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/VS1 OLTEP, GC28-0666, 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
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0653

OS/VS2 TSO ENHANCEMENTS NO. 2 LOGIC

This publication describes the logic that supports TSO Enhancements No. 2. Only logic changes resulting from enhancements are documented in this publication. The logic documentation of the following TSO command processors and facilities are changes:

ACCOUNT
EDIT
EXEC
PROFILE

SY28-0664

DOS/VS AND OS/VS TOLTEP LOGIC

This seven section program logic manual describes the internal logic of the Teleprocessing Online Test Executive Program (TOLTEP). TOLTEP operates as a subtask of VTAM and is the interface between VTAM and the online test programs (OLTS) that test the hardware characteristics of various terminals supported by VTAM that use the basic mode of data transfer. Information in this manual is intended for IBM representatives who are responsible for program maintenance. Manual, 100 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0669

OS/VS1, SYS1.LOGREC ERROR RECORDING LOGIC

This publication describes the internal logic and organization of SYS1.LOGREC Error Recording under the OS/VS1 system control program. 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/VS1 SYS1.LOGREC Error Recording, GC28-0668, which tells how to use the IFCDIP00 and IFCEREPO service aid programs. Publication, 148 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0672

OS/VS1 DYNAMIC SUPPORT SYSTEM LOGIC

Provides an introduction to the Dynamic Support System (DSS) Logic to guide the IBM programming system 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.

Although there are no mandatory prerequisite publications, before using DSS the reader must have a working knowledge of the internal logic of OS/VS.

Manual

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0676

OS/VS2 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/VS2 System Programming Library: OLTEP, GC28-0675-0, 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.

Manual

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0678

OS/VS2 SYS1.LOGREC ERROR RECORDING LOGIC

This publication describes the internal logic and organization of SYS1.LOGREC Error Recording under the OS/VS2 system control program. 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/VS2 System Programming Library: SYS1.LOGREC Error Recording, GC28-0677, which tell how to use the IFCDIP00 and IFCEREPO service aid programs.

Manual

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0679

OS/VS2 DYNAMIC SUPPORT SYSTEM LOGIC

Provides an introduction to the Dynamic Support System (DSS) Logic to guide the IBM programming system 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 only prerequisite publication for using this publication is the OS/VS Dynamic Support System, GC28-0640. The reader should also have a working knowledge of the internal logic of OS/VS.

Manual, 176 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0685

OS/VS SYSTEM MODIFICATION PROGRAM (SMP) LOGIC

This publication contains information about internal logic of the System Modification Program (SMP). This information is intended for use by IBM personnel and system programmers

responsible for changing and redesigning the installation's operating system. The reader should be experienced in using and modifying VS operating systems.

This document contains the internal logic that includes the method of operation diagrams, the module directory, the program organization, the data areas, and the diagnostic aids.

Manual, 64 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0687

OS/VS POWER WARNING FEATURE (PWF) SUPPORT LOGIC-ICR GUIDE

This publication introduces and provides the information necessary for those who must maintain the Power Warning Feature Support.

Manual

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0713

OS/VS2 SYSTEM LOGIC LIBRARY - VOLUME 1 OF 7

This group of publications documents the internal logic of the following components: scheduler, supervisor, MF/1, SRM, and real, virtual, and auxiliary storage management.

Volume 1 contents:

MVS logic introduction

Abbreviation list

Index for all volumes

To order the System Logic Library Volumes 1-7 (in order, SY28-0713-0, SY28-0714-0, SY28-0715-0, SY28-0716-0, SY28-0717-0, SY28-0718-0, SY28-0719-0) order under form number SBOF-8210.

Manual

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0714

OS/VS2 SYSTEM LOGIC LIBRARY - VOLUME 2 OF 7

This group of publications documents the internal logic of the following components: scheduler, supervisor, MF/1, SRM, and real, virtual, and auxiliary storage management.

Volume 2 contents:

Method of Operation diagrams for

Communications Task

Command Processing

Region Control Task (RCT)

Started Task Control (STC)

LOGON Scheduling

To order the System Logic Library Volumes 1-7 (in order, SY28-0713-0, SY28-0714-0, SY28-0715-0, SY28-0716-0, SY28-0717-0, SY28-0718-0, SY28-0719-0) order under form number SBOF-8210.

Manual

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0715

OS/VS2 SYSTEM LOGIC LIBRARY - VOLUME 3 OF 7

This group of publications documents the internal logic of the following components: scheduler, supervisor, MF/1, SRM, and real, virtual, and auxiliary storage management.

Volume 3 contents:

Method of Operation diagrams for

System Resources Manager (SRM)

System Activity Measurement Activity (MF/1)

Job Scheduling

Subsystem Interface

Master Subsystem

Initiator/Terminator

SWA Create Interface

Converter/Interpreter

SWA Manager

Allocation/Unallocation

System Management Facilities (SMF)

System Log

Checkpoint/Restart

To order the System Logic Library Volumes 1-7 (in order, SY28-0713-0, SY28-0714-0, SY28-0715-0, SY28-0716-0, SY28-0717-0, SY28-0718-0, SY28-0719-0) order under form number SBOF-8210.

Manual

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0716

OS/VS2 SYSTEM LOGIC LIBRARY - VOLUME 4 OF 7

This group of publications documents the internal logic of the following components: scheduler, supervisor, MF/1, SRM, and real, virtual, and auxiliary storage management.

Volume 4 contents:

Method of Operation diagrams for

Timer Supervision

Supervisor Control

Task Management

Program Management

Recovery/Termination Management (R/IM)

To order the System Logic Library Volumes 1-7 (in order, SY28-0713-0, SY28-0714-0, SY28-0715-0, SY28-0716-0, SY28-0717-0, SY28-0718-0, SY28-0719-0) order under form number SBOF-8210.

Manual

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0717

OS/VS2 SYSTEM LOGIC LIBRARY - VOLUME 5 OF 7
This group of publications documents the internal logic of the following components: scheduler, supervisor, MF/1, SRM, and real, virtual and auxiliary storage management.

Volume 5 contents:

Method of Operation diagrams for
Real Storage Management (RSM)
Virtual Storage Management (VSM)
Auxiliary Storage Management (ASM)

To order the System Logic Library Volumes 1-7 (in order, SY28-0713-0, SY28-0714-0, SY28-0715-0, SY28-0716-0, SY28-0717-0, SY28-0718-0, SY28-0719-0) order under form number SBOF-8210.

Manual

SLSS - ORDER NO. SUBSCRIPTION ONLY

Supervisor Performance #2
Manual, 208 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

VS2.03.807

SY28-0758

OS/VS2 RECOVERY MANAGEMENT SUPPORT LOGIC (COLLATED VERSION)
This publication describes operation and design of the RMS programs (MCH, CCH, DDR and MIH). This is intended for system maintenance groups, customer engineers, programming support representatives and system programmers.

This publication also includes the following Selectable

Unit information:

Supervisor Performance #2 VS2.03.807
Manual, 152 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0718

OS/VS2 SYSTEM LOGIC LIBRARY - VOLUME 6 OF 7
This group of publications documents the internal logic of the following components: scheduler, supervisor, MF/1, SRM, and real, virtual, and auxiliary storage management.

Volume 6 contents:

Program Organization

To order the System Logic Library Volumes 1-7 (in order, SY28-0713-0, SY28-0714-0, SY28-0715-0, SY28-0716-0, SY18-0717-0, SY28-0718-0, SY28-0719-0) order under form number SBOF-8210.

Manual

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0759

OS/VS2 SYSTEM INITIALIZATION LOGIC (COLLATED VERSION)
This publication describes the functions and internal logic of the system initialization process for the OS/VS2 system. It is intended for the IBM programming systems representative who is involved in modifying system initialization programs.

This publication also contains the following Selectable

Unit information:

Scheduler Improvements VS2.03.804
Supervisor Performance #2 VS2.03.807
Manual, 310 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0719

OS/VS2 SYSTEM LOGIC LIBRARY - VOLUME 7 OF 7
This group of publications documents the internal logic of the following components: scheduler, supervisor, MF/1, SRM, and real, virtual and auxiliary storage management.

Volume 7 contents:

Directory
Data Areas
Diagnostic Aids

To order the System Logic Library Volumes 1-7 (in order, SY28-0713-0, SY28-0714-0, SY28-0715-0, SY28-0716-0, SY28-0717-0, SY28-0718-0, SY28-0719-0) order under form number SBOF-8210.

Manual

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0761

OS/VS2 SYSTEM LOGIC LIBRARY VOLUME 1 OF 7 (COLLATED VERSION)
This publication documents the internal logic of MVS.

Volume 1 contains:

Contents, MVS Logic Introduction, Abbreviation
List, Index for all Volumes

This publication also contains the following Selectable

Unit information:

Scheduler Improvements VS2.03.804
Supervisor Performance #1 VS2.03.805
Supervisor Performance #2 VS2.03.807
Manual, 136 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0762

OS/VS2 SYSTEM LOGIC LIBRARY VOLUME 2 OF 7 (COLLATED VERSION)
This publication documents the internal logic of MVS.

Volume 2 contains:

Contents, Method of Operation Diagrams for
Communications Task, Command Processing
Region Control Task (RCT), Started Task
Control (STC), LOGON Scheduling

This publication also contains the following Selectable

Unit information:

Supervisor Performance #2 VS2.03.807
Manual, 510 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0763

OS/VS2 SYSTEM LOGIC LIBRARY VOLUME 3 OF 7 (COLLATED VERSION)
This publication documents the internal logic of MVS.

Volume 3 contains:

Contents; Method of Operation
Diagrams for: System Resources Manager (SRM),
System Activity Measurement Activity (MF/I) and Job
Scheduling: Subsystem Interface, Master
Subsystem, Initiator/Terminator, SWA Create
Interface, Converter/Interpreter, SWA Manager,
Allocation/Unallocation, System Management
Facilities (SMF), System Log, Checkpoint/
Restart

This publication also includes the following Selectable

Unit information:

Supervisor Improvements VS2.03.804
Supervisor Performance #2 VS2.03.807
IBM 3800 Printing Subsystem VS2.03.810
Manual, 630 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0764

OS/VS2 SYSTEM LOGIC LIBRARY VOLUME 4 OF 7 (COLLATED VERSION)
This publication documents the internal logic of MVS.

Volume 4 contains:

Contents; Method of Operation
Diagrams for: Timer Supervision, Supervisor
Control, Task Management, Program Management and
Recovery/Termination Management (R/TM)

This publication also includes the following Selectable

Unit information:

Supervisor Performance #1 VS2.03.805
Supervisor Performance #2 VS2.03.807
Manual, 534 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

LY28-0749

OS/VS2 MVS TSO COMMAND PACKAGE LOGIC, PROG PROD 5740-XT6

This publication describes the program logic of the TSO Command Package Program Product. This publication is intended for persons who are debugging or modifying the TSO Command Package. The TSO Command Package provides function to TSO under OS/VS2 MVS through support for: enhanced ability to execute commands in the background; a new EDIT data set recovery mechanism; and, new EDIT subcommands and operands.

Manual

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

SY28-0757

OS/VS2 I/O SUPERVISOR LOGIC (COLLATED VERSION)

This publication describes methods of troubleshooting I/O Supervisor for OS.VS2. It is intended for system programmers.

This publication also includes the following Selectable

Unit information:

Supervisor Performance #1 VS2.03.805

SY28-0765

OS/VS2 SYSTEM LOGIC LIBRARY VOLUME 5 OF 7 (COLLATED VERSION)
This publication documents the internal logic of MVS.

Volume 5 contains:

Contents; Method of Operation
Diagrams for: Real Storage Management (RSM),
Virtual Storage Management (VSM) and Auxiliary
Storage Management (VSM)

This publication also includes the following Selectable

Unit information:
 Supervisor Performance #1 VS2.03.805
 Supervisor Performance #2 VS2.03.807
 Manual, 512 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0766

OS/VS2 SYSTEM LOGIC LIBRARY VOLUME 6 OF 7 (COLLATED VERSION)
 This publication documents the internal logic of MVS.
 Volume 6 contains: Contents, Program Organization
 This publication also includes the following Selectable
 Unit information:
 Scheduler Improvements VS2.03.804
 Supervisor Performance #1 VS2.03.805
 Supervisor Performance #2 VS2.03.807
 Manual, 360 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0767

OS/VS2 SYSTEM LOGIC LIBRARY VOLUME 7 OF 7 (COLLATED VERSION)
 This publication documents the internal logic of MVS.
 Volume 7 contains: Contents, Directory, Data Areas
 Diagnostic Aids
 This publication also contains the following Selectable
 Unit information:
 Scheduler Improvements VS2.03.804
 Supervisor Performance #1 VS2.03.805
 Supervisor Performance #2 VS2.03.807
 IBM 3800 Printing Subsystem VS2.03.810
 Manual, 552 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0773

OS/VS ENVIRONMENTAL RECORDING EDITING AND PRINTING (EREP)
PROGRAM LOGIC, SUID 5741-601, 5752-827, ICR 5742
 The OS/VS Environmental Recording Editing and Printing
 (EREP) Program Logic Supports Releases 4 and 6 of OS/VS1,
 Release 1.7 of OS/VS2 (SVS) and Releases 3.0, 3.6 and 3.7 of
 OS/VS2 (MVS).
 This publication is intended for the IBM programming
 service representative, installation programmer, and others
 involved in maintaining or using the SYS1.LOGREC and/or
 Accumulation data sets.
 The internal logic and organization of the IFCEREPI
 service aid, which prints records from the SYS1.LOGREC
 and/or Accumulation data sets for diagnostic purposes, is
 described.
 Manual, 168 pages, 12/76
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0808

OS/VS2 MVS JES3 3850 MASS STORAGE SYSTEM SELECTABLE UNIT:
SYSTEM LOGIC LIBRARY (VOL 3) - SUPPLEMENT SUID 5752-818
 This document describes the update made to the SCHEDULER to
 handle MSS.
 Manual, 8 1/2 x 11 inches, 48 pgs, 3/77
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0826

OS/VS2 MVS DUMPING IMPROVEMENTS, SELECTABLE UNIT 5752-833:
SUPPLEMENT TO SYSTEM INITIALIZATION LOGIC
 New parmlib member SYSDUMP has been documented for Dumping
 Improvements.
 Manual, 8 1/2 x 11 inches, 24 pages, 3/77
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0827

OS/VS2 MVS DUMPING IMPROVEMENTS SELECTABLE UNIT SYSTEM
LOGIC LIBRARY VOL 1 SUPPLEMENT, SUID 5752-833
 The Master Index was updated to reflect the changes made the
 System Logic Library for Dumping Improvements.
 Manual, 8 1/2 x 11 inches, 84 pgs, 3/77
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0828

OS/VS2 MVS DUMPING IMPROVEMENTS SELECTABLE UNIT SYSTEM
LOGIC LIBRARY VOL 2 SUPPLEMENT, SUID 5752-833
 This volume contains logic information describing the
 operation of the MVS system concerned with:
 - changing dumping parameters
 - displaying dump data set status or system
 dump options
 - dumping virtual storage
 This information is intended for use by system
 programmers or programmers supporting a system installation.
 Manual, 48 pgs, 3/77
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0830

OS/VS2 MVS DUMPING IMPROVEMENTS SELECTABLE UNIT
SYSTEM LOGIC LIBRARY VOL 4 SUPPLEMENT, SUID 5752-833
 This volume contains logic information about the new and
 changed MVS functions and how they operate. The changes and
 new function concern dumping of storage in the MVS system
 and how the dumping functions operate.
 This logic information is intended for use by system
 programmers and programming personnel involved with the
 maintenance and support of the MVS system.
 Manual, 8 1/2 x 11 inches, 124 pgs

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0831

OS/VS2 MVS DUMPING IMPROVEMENTS SELECTABLE UNIT SYSTEM
LOGIC LIBRARY VOL 5 SUPPLEMENT, SUID 5752-833
 This volume contains logic information describing the
 operation of the MVS system concerned with:
 - LSQA/SQA allocation
 - V=R region allocation
 - General Frame allocation
 - Real Storage Buffer Allocation, Deallocation, Steal
 This information is intended for use by system
 programmers or programmers supporting a system installation.
 Manual, 32 pgs, 3/77
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0832

OS/VS2 MVS DUMPING IMPROVEMENTS SELECTABLE UNIT SYSTEM
LOGIC LIBRARY VOL 6 SUPPLEMENT, SUID 5752-833
 Volume containing Dumping Improvements SU.
 Manual, 8 1/2 x 11 inches, 92 pgs, 3/77
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0833

OS/VS2 MVS DUMPING IMPROVEMENTS SELECTABLE UNIT SYSTEM
LOGIC LIBRARY VOL 7 SUPPLEMENT, SUID 5752-833
 This volume contains the diagnostic information necessary to
 debug or study errors that could occur in the code for MVS
 that support dumping improvements. This information is
 intended for use by those programming personnel involved
 with the maintenance of this selectable unit's code.
 Manual, 52 pgs, 3/77
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0858

OS/VS2 MVS JES3 3850 MASS STORAGE SYSTEM SELECTABLE UNIT:
SYSTEM LOGIC LIBRARY (VOL 1) - SUPPLEMENT SUID 5752-818
 Updates to the Master Index which reflect the updates made
 to the System Logic Library for MSS support.
 Manual, 8 1/2 x 11 inches, 80 pgs, 3/77
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0875

OS/VS2 MVS ATTACHED PROCESSOR SYSTEM FOR 370 MODELS 158, 168
SELECTABLE UNIT: SYSTEM INITIALIZATION LOGIC, SUID 5752-847
SUPPLEMENT
 Logic changes to NIP for clock error correction in the A-P.
 unit and indication of I/O Capability.
 Manual, 8 1/2 x 11 inches, 16 pgs, 4/77
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0876

OS/VS2 MVS ATTACHED PROCESSOR SYSTEM SU 47 SYSTEM
LOGIC LIBRARY VOL 2 SUPPLEMENT, SUID 5752-847
 Contains updates to Alternate CPU processing for the
 Attached Processor System.
 Manual, 8 1/2 x 11 inches, 12 pgs, 4/77
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0877

OS/VS2 MVS ATTACHED PROCESSOR SYSTEM SU 47 SYSTEM
LOGIC LIBRARY VOL 4 SUPPLEMENT, SUID 5752-847
 Contains updates to Vary CPU processing for the Attached
 Processor System.
 Manual, 8 1/2 x 11 inches, 8 pgs, 4/77
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0878

OS/VS2 MVS ATTACHED PROCESSOR SYSTEM FOR 370 MODELS 158, 168
SELECTABLE UNIT (SU ID 5752-847): RECOVERY MANAGEMENT
SUPPORT LOGIC SUPPLEMENT
 Logic changes added to the Machine Check Handler for
 Attached Processor Support.
 Manual, 8 1/2 x 11 inches, 20 pgs, 4/77
 SLSS - ORDER NO. SUBSCRIPTION ONLY

GY28-2009

IBM TIME SHARING SYSTEM -- SYSTEM LOGIC SUMMARY
 This publication describes the logic of the IBM Time Sharing
 System (TSS). 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 person 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 listings.
 Systems Reference Library Manual, 311 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY

LY28-6403

IBM SYSTEM/360 OPERATING SYSTEM: FORTRAN IV (H EXTENDED)
COMPILER, PROGRAM LOGIC MANUAL, PROGRAM NUMBER 5734-FO3
 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, 8-1/2 x 11, 634 pages
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY28-6408

FORTRAN IV LIBRARY (MOD I) FOR OS & VM/370 (CMS): 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
SLSS - INTERNAL SUBSCRIPTION ONLY

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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY28-6413

IBM SYSTEM/360 DISK OPERATING SYSTEM FULL AMERICAN NATIONAL STANDARD COBOL SUBROUTINE LIBRARY, VERSION 3 PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5736-LM2
This publication describes the object-time subroutine library used by the IBM System/360 Disk Operating System Full

American National Standard COBOL Compiler, Version 3. It is intended for use by persons involved in library maintenance and by system programmers involved in altering the library for installations requiring such alteration. This publication supplements the subroutine listings and their comments, but it 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 as well as the IBM System/360 Disk Operating System Full American National Standard COBOL Compiler, Version 3. Knowledge of both 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.
Program Product Manual, 168 pages
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY28-6419

OS FULL ANS COBOL SUBROUTINE LIBRARY VERSION 4 PROGRAM LOGIC MANUAL, PROG. PROD. 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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY28-6422

SYSTEM/370 VS BASIC: PROGRAM LOGIC, PROG. PROD. 5748-XX1
This publication is intended for use by programming support representatives and system programmers with responsibility for maintaining the VS BASIC program product. Each module is described as are the control blocks. Functions are summarized visually in method of operation diagrams.
Prerequisite to understanding the VS BASIC logic is a knowledge of the language and of the operating system. See VS BASIC Language, GC28-8303, and the appropriate terminal user's guide: VS BASIC TSO Terminal User's Guide, SC28-8304, VS BASIC CMS Terminal User's Guide, SC28-8306, VS BASIC for VSPC: Terminal User's Guide, and VS BASIC OS/VS and DOS/VS Programmer's Guide, SC28-8308.
If VS BASIC is running interactively under TSO, CMS, or VSPC, the logic of the subsystem/program product should also be understood first.
Manual, 187 pages, 3/76
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY28-6423

IBM DOS/VS COBOL COMPILER PROGRAM LOGIC - PROGRAM NUMBER 5746-CB1
This publication describes the internal design of the IBM DOS/VS COBOL Compiler. It is intended for use by persons involved in program support 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 the IBM Operating System and of the IBM DOS/VS service programs and macro instructions. Knowledge of both IBM DOS/VS COBOL and the IBM Assembler Language is a prerequisite. Reference publications for this information are listed in the preface of this manual.

Manual, 542 pages

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY28-6424

IBM DOS/VS COBOL SUBROUTINE LIBRARY PROGRAM LOGIC - PROGRAM NUMBER 5746-LM4

This publication describes the object-time subroutine library used by the IBM DOS/VS COBOL Compiler. It is intended for use by persons involved in library maintenance and by system programmers involved in altering the library for installations requiring such alteration. This publication supplements the subroutine listings and their comments, but it is not a substitute for them.

Effective use of this manual requires an understanding of the IBM operating system and the DOS/VS Operating System service programs and macro instructions, as well as the IBM DOS/VS COBOL Compiler. Knowledge of both DOS/VS COBOL and IBM Assembler Language is a prerequisite. Reference publications for this information are listed in the preface of this manual.

Manual, 192 pages

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY28-6425

IBM OS/VS COBOL SUBROUTINE LIBRARY PROGRAM LOGIC

This publication describes the internal design of the IBM OS/VS COBOL library. The manual is intended for use by persons involved in program support and by systems programmers involved in altering the program design for installations requiring such alteration. It supplements the library listing and its comments but is not a substitute for them.

Manual, 304 pages

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY28-6486

IBM OS/VS COBOL COMPILER PROGRAM LOGIC PROGRAM NUMBERS: 5740-CB1

This publication describes the IBM OS/VS COBOL Compiler. The internal design of the compiler and the object program it produces are discussed. This publication is intended for use by persons involved in program support and by system programmers involved in altering the compilers for installations requiring such alteration. It supplements the compiler listings and its comments, but it is not a substitute for them.

Effective use of this manual requires an understanding of the IBM operating system. Knowledge of both IBM OS/VS COBOL and the IBM Assembler Language is a prerequisite. Reference publications for this information are listed in the preface of this manual.

Manual, 584 pages

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GY28-6688

INTERNAL LOGIC MANUAL FOR THE IBM 2947-4 CHECK COLLECTION CONTROLLER SEQUENTIAL ACCESS METHOD - PROGRAM SUPPORT RPQ 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

SLSS - ORDER NO. SUBSCRIPTION ONLY

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

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY28-6766

OS/MVT & OS/VS2 TSO DATA UTILITIES: COPY, FORMAT, LIST, MERGE, LOGIC MANUAL, PROG. NO. 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

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

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

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

SLSS - INTERNAL SUBSCRIPTION ONLY

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

SLSS - INTERNAL SUBSCRIPTION ONLY

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

SLSS - INTERNAL SUBSCRIPTION ONLY

LY28-6835

IBM SYSTEM/360 OS/DOS ITF PL/I PROGRAM LOGIC LANGUAGE COMPONENT: PL/I ROUTINES PROGRAM 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

SLSS - INTERNAL SUBSCRIPTION ONLY

LY28-6836

IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC LANGUAGE COMPONENT: BASIC ROUTINES PROGRAM NUMBERS 5736-RC2, 5734-RC3

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
SLSS - INTERNAL SUBSCRIPTION ONLY

LY28-6837

IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC LANGUAGE COMPONENT; COMMON ROUTINES AND REFERENCE DATA PROGRAM 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
SLSS - INTERNAL SUBSCRIPTION ONLY

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
SLSS - INTERNAL SUBSCRIPTION ONLY

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
SLSS - INTERNAL SUBSCRIPTION ONLY

LY28-6845

IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) INTERACTIVE TERMINAL FACILITY PROGRAM LOGIC INDEX 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.
Program Product, 26 pages
SLSS - INTERNAL SUBSCRIPTION ONLY

LY28-6846

CODE AND GO FORTRAN PROCESSOR FOR OS & VM/370 (CMS); PROGRAM LOGIC, PROG. NO. 5734-FO1

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
SLSS - INTERNAL SUBSCRIPTION ONLY

SY28-6849

OS/VS1 RES RTAM AND WORKSTATION SUPPORT LOGIC

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 module descriptions and 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, 240 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

LY28-6856

FORTRAN IV (G1) COMPILER FOR OS & VM/370 (CMS); PROGRAM LOGIC, PROG. NO. 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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GY30-2011

OS/MFT, OS/MVT, AND OS/VS1: CRJE LOGIC

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY30-2040

OS/VS2 TCAM (LEVEL 8) LOGIC

Provides the information required for persons involved in keeping the program operational.

This publication is a reference manual for OS/VS2 TCAM level 8, the level of TCAM designed to operate with the Virtual Telecommunications Access Method (VTAM) and the new Systems Network Architecture (SNA).

It contains an introduction, a section on basic TCAM concepts, a method of operation section, a program organization section, a diagnostic aids section, and various appendices including one on Time Sharing Support (TSO).

PREREQUISITE PUBLICATIONS

OS/VS TCAM Concepts and Facilities, GC30-2042, for general information. OS/VS TCAM Programmer's Guide, GC30-2041, to learn how to construct and modify a TCAM MCP and a TCAM-compatible application program.

Manual, 768 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY30-2049

OS/VS TCAM (LEVEL 5) LOGIC

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, GC30-2044, to construct and modify a TCAM message control program and a TCAM compatible application program.

The OS/VS1 System Data Areas publication, SY28-0605, and the OS/VS2 Data Areas publications, SB28-0606, provide corequisite information on System data areas that are used by TCAM.

Manual, 800 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY30-2059

OS/VS TCAM (LEVEL 6) LOGIC: VS2 REL 2

This publication describes the internal logic of the OS/VS Telecommunications Access Method (TCAM). It 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 a TCAM system operating in a multiple virtual memory environment.

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:

- OS TCAM Concepts and Facilities, GC30-2022, to gain familiarity with the overall concepts and structure of TCAM.
- OS/VS TCAM Programmer's Guide, GC30-2044, to construct and modify a TCAM message control program and a TCAM compatible application program.

The OS/VS1 System Data Areas publication, SY28-0605, and the OS/VS2 Data Areas publication, SY28-0606, provide corequisite information on system data areas used by TCAM.

Manual, 874 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY30-2069

OS/VS1 TCAM (LEVELS 8 & 9) LOGIC

The Level 8 OS/VS1 TCAM PLM consists of Level 5 OS/VS TCAM plus the changes necessary to incorporate VTAM (Level 7) and the 3600 Finance Communication System (Level 8). Most of the data areas included in the OS/VS PLMs have been omitted, and data area indexes have been added. System libraries have been omitted from Appendix A except for the SY51.MACLIB library. New HIPO diagrams and new message information have been added.

Manual, 668 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

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

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY30-3001

3704 & 3705 COMMUNICATION CONTROLLERS EMULATION PROGRAM: PROGRAM LOGIC MANUAL

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

SLSS - ORDER NO. SUBSCRIPTION ONLY

LY30-3004

GENERATION AND LOGIC MANUAL FOR PROGRAMMING RPO P85007 SPECIAL START-STOP LINE CONTROL FOR IBM 3704 & 3705 EMULATION PROGRAM, PROG. NO. 5799-AGK

This document contains information reflection changes to the current version of the Emulation Program, V1M2, 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

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

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, V1M2, 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

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY30-3006

IBM 3705 EMULATION PROGRAM GENERATION AND LOGIC MANUAL FOR PROGRAM SUPPORT FOR HARDWARE RPO M26099 SABRE LINE CONTROL

Contains information reflecting changes to the current version of the Emulation Program, V1M2, required for support of airlines (SABRE) line control PSHRPQ P85000. It is intended for analysts and programmers responsible for the generation and maintenance of the Emulation Program, and for IBM systems engineers and field engineers. It is assumed that the reader has a conceptual knowledge of the current Emulation Program and of the Airlines Line Control supported by RPOs for the 2703 Transmission Control Unit.

Documentation is divided into three sections:

Section 1 - General description of the Airlines Line Control (ALC) PSHRPQ P85000.

Section 2 - Information relating to areas of the Emulation Program Generation and Utilities Guide and Reference Manual, GC30-3002, that are affected by Airlines Line Control support.

Section 3 - Information relating to areas of the Emulation Program PLM, SY30-3001, that are affected by Airlines Program PLM, SY30-3001, that are affected by Airlines Line Control support.

Manual, 74 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY30-3007

3704 & 3705 NETWORK CONTROL PROG/VS VERSION 2 LOGIC

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

SLSS - ORDER NO. SUBSCRIPTION ONLY

LY30-3009

IBM 3705 EMULATION PROGRAM GENERATION AND LOGIC MANUAL FOR PROGRAMMING RPO P85005, SPECIAL SYNCHRONOUS LINE CONTROL PROGRAM NO. 5799-AFY

This document describes the changes made to the IBM 3705 Emulation Program for programming RPO P85005, Special Synchronous Line Control. This PRPQ emulates the Inter-Processor Communications Adapter (IPCA) feature of the IBM 2701 (RPO M24802) and the cyclic checking feature for the 2701 with IPCA (RPO M25697).

The document gives general information about the PRPQ and specific information about specifying the PRPQ during EP generation and about the internal logic of the PRPQ. It also summarizes the functions of a hardware RPO required if certain features of the PRPQ are selected and describes in detail the commands and control characters used with the PRPQ.

This document supplements the information in the IBM 3704 and 3705 Communications Controllers Emulation Program Generation and Utilities, Controller Emulation Program, Program Logic Manual (SY30-3001). It is intended for analysts and programmers responsible for the generation and maintenance of the Emulation Program, and for IBM systems engineers and customer engineers.
Manual, 50 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

LY30-3010

3704 & 3705 EMULATION PROGRAM GENERATION & LOGIC MANUAL FOR PROGRAMMING RPQ P85003 USASCI TRANSPARENT BSC LINE CONTROL PROGRAM NUMBER 5799-AFZ

This document reflects the changes made to the IBM 3705 Emulation Programs for support of PRPQ P85003, USASCI Transparency BSC Line Control. It is intended for analysts and programmers responsible for the generation and maintenance of the Emulation Program and for IBM systems engineers and customer engineers.

The document contains three types of information: (1) a general description of the PRPQ's functions; (2) information necessary to generate the PRPQ into an Emulation Program; and (3) modifications to the internal logic of the Emulation Program required by the PRPQ.

Manual, 20 pages
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GY30-3012

IBM 3704 AND 3705 PROGRAM REFERENCE HANDBOOK

This handbook was formerly titled IBM 3704 and 3705 Data Areas SY30-3008. The handbook contains detailed information about the Network Control Program and Emulation Program data areas. It also contains debug and reference information such as command codes, abend codes, responses, MDR record formats, etc.

Manual, 3-3/4 x 6-3/4 inches, 200 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY30-3013

3704 & 3705 NCP/VS VERSION 5 LOGIC

This publication covers the internal logic of the IBM 3704 and 3705 Communications Controllers, Network Control Program/VS (NCP/VS), Version 3. Version 3 of the NCP operates under OS/VS VTAM and DOS VTAM. This PLM is designed to supplement the program listings for the NCP and to make access to the information in the listings easier.

The NCP/VS 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, 600 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY30-3014

IBM 3705 EMULATION PROGRAM GENERATION AND LOGIC MANUAL FOR RPQ 858663, PLOTTER ADAPTER - PSHRPQ P85008 - PROG. NO. 5799-WFA

This document contains information necessary to generate and use the Plotter Adapter Program (PSHRPQ P85008) for the IBM 3705 Emulation Program. This program, for use with RPQ 858663, provides for the attachment of IBM 1627 and/or CALCOMP 500,600, and 700 series plotters to the 3705.

This manual is intended for analysts and programmers responsible for generation and maintenance of the Emulation Program and for IBM system engineers and IBM customer engineers.

This document is intended to be used with the IBM 3704 and 3705 Communication Controllers Emulation Program Generation and Utilities, Guide and Reference Manual (GC30-3002) and the IBM 3704 and 3705 Communications Controllers Emulation Program Generation and Utilities, Guide and Reference Manual (GC30-3002) and the IBM 3704 and 3705 Communications Controllers Emulation Program, Program Logic Manual (SY30-3001).

*gPRL7-6N-17

Manual, 30 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

LY30-3016

IBM 3705 EMULATION PROGRAM GENERATION AND LOGIC MANUAL FOR PROGRAMMING RPQ P85015, VIRTUAL 50 LINE SUPPORT - PROG. NO. 5799-AKQ

This document contains information reflecting changes to the IBM 3705 Emulation Program, version 2 modification 2, required for Virtual 50 Line Support, PRPQ P85015 (Program Number 5799-AKQ). This PRPQ allows the attachment of up to six high-speed Binary Synchronous Communication lines to the IBM 3705 Communications Controller.

This document is intended for analysts and programmers responsible for the generation and maintenance of the Emulation Program, and for IBM systems engineers and field engineers. The reader should have a conceptual knowledge of the current Emulation Program.

The document is divided into three sections:

- o Section 1 is a general description of Virtual 50 concepts.
- o Section 2 contains the information needed to generate the Virtual 50 PRPQ into the Emulation Program.

- o Section 3 describes the program logic of the Virtual 50 PRPQ.

Logic Manual, 20 pages

SLSS - INTERNAL SUBSCRIPTION ONLY

SY30-3017

SYSTEM/370 SUBSYSTEM SUPPORT SERVICES (LEVEL 4) LOGIC

This manual explains the program logic of Subsystem Support Services (SSS). It describes the common services that SSS performs for industry and application systems (subsystems). Program logic manuals for individual subsystems show how each subsystem tailors SSS to its needs.

This manual is intended for program support representatives and others who need to know the internal logic of SSS. It is a supplement to the program listing for SSS.

An appendix contains the SSS control statements needed to maintain IBM-provided controller data. This latest suffix is for users of SSS Level 5 under OS/VS.

Manual, 180 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

LY30-3023

IBM 3704 AND 3705 EMULATION PROGRAM GENERATION AND LOGIC MANUAL FOR PROGRAMMING RPQ P85010, TELEGRAPH FULL - DUPLEX LINE CONTROL - PROG. NO. 5799-AGN

This document describes the Telegraph Full-Duplex Line Control Programming RPQ for the IBM 3704 and 3705 Communications Controllers Emulation Program. The PRPQ provides support of duplex line control for four telegraph terminals. The manual is intended for analysts and programmers responsible for generation and maintenance of the Emulation Program and for IBM system engineers and IBM customer engineers.

This document contains three types of information:

- o Information needed to generate the PRPQ into an Emulation Program.
- o Information about the internal logic of the PRPQ.
- o Information about the line control used for each of four terminal types supported by the PRPQ.

Prerequisites for this manual are:

IBM 3704 and 3705 Communications Controllers Emulation Program Generation and Utilities, Guide and Reference Manual (GC30-3002).

IBM 3704 and 3705 Communications Controllers Emulation Program, Program Logic Manual (SY30-3001).

Manual, 30 pages
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

SY30-3024

IBM 3650 SUBSYSTEM PROGRAM PREPARATION SUPPORT TRANSFORMATION DEFINITION LANGUAGE TRANSLATOR LOGIC

This publication describes the logic of the Transformation Definition Language (TDL) of the IBM 3650 Subsystem Program Preparation Support (SPPS). The translator is the code by which TDL statements are converted into formatted output records. At a later time, certain output records from the translator are transmitted to the IBM 3650 for use in operating keyboard/displays and line printers.

This publication is a supplement to the program listings of the TDL translator portion of the SPPS. As a logic manual, it can be used to diagnose and maintain the existing TDL translator; it is not designed to alter the translator to perform other functions. The programming support representative using this publication should have a basic knowledge of the IBM System/370 OS/VS and DOS/VS and use the SPPS Programmer's Guide.

There are six sections which are useful in retrieving specific kinds of information:

- o Section 1: An Overview of the TDL Translator Logic is an introduction to the translator and its input, internal logic, output, and additional services.
- o Section 2: Method of Operation uses charts to illustrate functional relationships in the translator.
- o Section 3: Program Organization consists of a series of figures relating the basic modules types and their calling sequences.
- o Section 4: Directory contains a list of translator modules, their function, and their inputs and outputs.
- o Section 5: Data Areas has two parts: the first illustrates how the translator uses tables and table entries, and the second gives a detailed layout of each table.
- o Section 6: Diagnostic Aids has three parts: the first suggests techniques for diagnosing troubles, the second illustrates dumps and how to read them, and the third contains a list of error messages and the modules which detect them.

In addition, each section can be cross-referenced to the other sections. As a result, you can use it in two ways: first, as a diagnostic aid in going from detail problem symptom up to the functional description, and second, as an aid to understanding internals by progressing from the introductory overview down to the details of modules and translated input text.

Manual, 150 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY30-3025

IBM 3650 RETAIL STORE SYSTEM: RELEASE 2 HOST PROGRAM LOGIC

The 3650 Retail Store System uses the retail host program and subsystem support services. This manual describes the retail programming support that complements the services provided by subsystem support services. Together with IBM

System/370 Subsystem Support Services Program Logic, SY30-3017, it supplements the program listings for the retail store system.

The program support representative who uses this manual should have a basic knowledge of IBM System/370 and OS/VS or DOS/VS. This manual should be used with the Subsystem Support Services Program Logic manual for a more complete understanding of the retail store system.

Prerequisite Publication:

IBM 3650 Retail Store System Introduction, GA37-3075

Corequisite Publication:

IBM System/370 Subsystem Support Services Program Logic, ST30-3017

Manual

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY30-3026

SYSTEM/370 SUBSYSTEM SUPPORT SERVICES LEVEL 3.1 COMPONENT RELEASE LOGIC

No abstract available.

Manual, 60 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY30-3031

IBM 3705 COMMUNICATIONS CONTROLLER EMULATION LOGIC

This publication describes the internal logic of the NEW BASE Emulation Program (EP), Version 3. Version 3 of the Emulation Program introduces support for the 3705 II with the type 4 channel adapter and the type 3 communication scanner. Additionally, software support of multiple type 4 channel adapters and multi-subchannel line access (MSLA) is provided. The EP modules that provide this support are called NEW BASE.

Previous releases of the Emulation Program support the 3705 I in a configuration which allows a single type 1 channel adapter and either a single type 1 communication scanner or up to four type 2 communications scanners. That configuration is supported by the old base Emulation Program modules (the type 1 channel adapter and the type 1 communication scanner are not supported by the NEW BASE). The EP System Generation selects either OLD BASE or NEW BASE modules depending upon the channel adapter and communication scanner defined. OLD BASE support is described in the IBM 3704 AND 3705 COMMUNICATIONS CONTROLLER EMULATION PROGRAM LOGIC MANUAL.

The EMULATION 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 EP.

Manual, 433 pages, 8/76

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY30-3032

OS/VS2 TCAM LEVEL 10 LOGIC SELECTABLE UNIT (SU)

IDENTIFIERS: 5741-602 (OS/VS1 SU ID), 5742-UY99915 (OS/SVS ICR), 5752-836 (OS/MVS SU ID)
Provides the information required for persons involved in keeping the program operational.

This publication is a reference manual for OS/VS TCAM level 10, the level of TCAM designed to operate with the Network Control Program (NCP) and Systems Network Architecture (SNA).

It contains an introduction, a method of operation section, a program organization section, a data areas section, a diagnostic aids section, and various appendices. PREREQUISITE PUBLICATIONS

OS/VS TCAM Concepts and Applications, GC30-2049, for general information. OS/VS TCAM System Programmer's Guide, GC30-2051, to learn how to construct and modify a TCAM NCP. Manual, 8 1/2 x 11 inches, 316 pgs, 3/77

SLSS - ORDER NO. SUBSCRIPTION ONLY

GY33-6003

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

SLSS - ORDER NO. SUBSCRIPTION ONLY

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

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY33-6008

SYSTEM/360 OPERATING SYSTEM PL/I RESIDENT LIBRARY:

PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5734-IM4

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

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY33-6009

OS PL/I TRANSIENT LIBRARY: PROGRAM LOGIC MANUAL PROGRAM NUMBER 5734-IM5

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

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

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

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY33-6011

DOS PL/1 RESIDENT LIBRARY: PROGRAM LOGIC MANUAL PROGRAM NUMBER 5736-IM4

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

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY33-6012

DOS PL/I TRANSIENT LIBRARY - PROGRAM LOGIC MANUAL PROGRAM NUMBER 5736-IM5

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

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY33-6013

OS PL/I CHECKOUT COMPILER: PROGRAM LOGIC VOLUME 1 OF 2, 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

SLSS - IBM INTERNAL SUBSCRIPTION ONLY

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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY33-6027

CUSTOMER INFORMATION CONTROL SYSTEM/OPERATING SYSTEM/VIRTUAL STORAGE (CICS/OS/VS) VERSION 1.2 LOGIC - PROG PROD 5740-XX1
This publication provides information of interest to those persons who have the responsibility to maintain and modify the operation of CICS/OS/VS.
The source modules, control blocks, common work areas and tables of CICS/OS/VS are described in detail, while the operation of CICS is described in terms of the functions it performs by the use of Hierarchy Input Process Output (HIPO) diagrams. When used in conjunction with CICS/OS/VS source listings, these descriptions give a detailed picture of the structure and operation of CICS/OS/VS.
This publication also contains information designed to help the reader to interpret program messages and diagnose program failures.
Manual, 1100 pages, 4/76
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY33-6028

CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE (CICS/VS) LOGIC (DOS/VS), PROG PROD 5746-XX3
The IBM Customer Information Control System/Virtual Storage (CICS/VS) is a data-base/data communication system that provides an interface between a system/370 operating system and user-written application programs. Applicable in most online environments, CICS/VS provides many of the facilities for standard applications: message switching, inquiry, data collection, order entry, and conversational and batched data entry.
CICS/VS is available as two program products: CICS/DOS/VS, which is executed under control of the Disk Operating System/Virtual Storage (DOS/VS), and CICS OS/VS, which is executed under Operating System/Virtual Storage (OS/VS1 or OS/VS2). Both program products consist of modular components from which a user installation can select and tailor a CICS/VS system to meet particular application processing needs. 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. The information contained in this manual is of interest to persons servicing CICS DOS/VS.
Manual, 1150 pgs, 2/77
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY33-6029

CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE (CICS/VS) PROGRAM LOGIC (OS/VS) - PROGRAM NUMBER 5740-XX1
The IBM Customer Information Control System/Virtual Storage (CICS/VS) is a data base/data communication system that provides an interface between a System/370 operating system and user-written application programs. Applicable in most online environments, CICS/VS provides many of the facilities for standard applications: message switching, inquiry, data collection, order entry, and conversational and batched data entry.
CICS/VS is available as two program products: CICS/DOS/VS, which executes under control of the Disk Operating System/Virtual Storage (OS/VS1 or OS/VS2). Both program products consist of modular components from which a user installation can select and tailor a CICS/VS system to meet particular application processing needs. This publication deals with CICS/OS/VS, and all references to CICS/VS in this publication refer to CICS/OS/VS.
The information contained in this manual is of interest to persons servicing CICS/OS/VS.
Manual, 8 1/2 x 11 inches, 1198 pgs, 4/77
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

SY33-7008

1401/1440/1460 DOS EMULATOR ON SYSTEM/370: LOGIC, PROG. NOS. 370N-EU-490 (DOS), 5745-SC-EML (DOS/VS)
This publication describes the organization and logic of the program that emulates the 1401, 1440, and 1460 on the System/370 Models 135, 145, 155.
Manual, 342 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY33-7009

1410/7010 DOS EMULATOR ON SYSTEM/370 LOGIC, PROG. NOS. 370N-EU-490 (DOS), 5745-SC-EML (DOS/VS)
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
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY33-7010

MODEL 20 EMULATOR ON SYSTEM/370 USING DOS AND DOS/VS LOGIC - PROG. NOS. 370N-IC-002 AND 5745-SC-E20
Volume 1 of this manual describes the internal logic of the IBM System/360 Model 20 Emulator Program on the IBM System/370 Models 115, 125, and 135. The emulator is a problem program that operates under the control of DOS or DOS/VS. IBM Compatibility Feature #7520 must be installed on the System/370.
Volume 2 of this manual describes the internal logic of the data interchange program. The data interchange program converts files in Model 20 emulator format to files accessible by DOS/VS programs, and vice versa. It does not use the compatibility feature, and can therefore run on any System/370 model.
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 or DOS/VS.
Manual
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY33-7015

DOS TO OS/VS EMULATOR: LOGIC, PROG. NO. 5744-AS1
This publication describes the internal logic of the DOS Emulator Program under OS/VS1 and OS/VS2. The emulator is a combination of a software program and the DOS Compatibility Feature. The relationship of the program logic to that of the Compatibility Feature is described.
This publication has been written to serve as a guide to and for use with the program listing. It is intended for programmers involved in program maintenance and system programmers who are altering the program design. Note: (DOS to OS Emulator-Logic, GY26-3741 is now obsolete) use GY33-7018 for DOS Emulator under OS.
Manual, 576 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY33-7016

1401/1440/1460 OS/VS EMULATOR ON SYSTEM/370, LOGIC - PROG. NO. 5744-AH1
This manual describes the internal logic of the IBM 1401/1440/1460 Emulator Program for the IBM System/370 Models 135/145/155/155-II/158. The emulator program runs as a problem program under the 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).
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, 320 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY33-7017

1410/7010 OS/VS EMULATOR ON SYSTEM/370 - LOGIC, PROG. NO. 5744-AG1
This manual describes the internal logic of the IBM 1410/7010 Emulator Program for the IBM System/370 Models 145, 155-II and 158. The emulator runs as a problem program under the 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 Models 155-II and 158 with IBM Compatibility Feature #3950).
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 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, 312 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

GY33-7018

DOS TO OS EMULATOR - LOGIC PROGRAM NUMBER 360C-EU-738
This publication describes the internal logic of the DOS Emulator Program under OS/MFT and OS/MVT. The emulator is a combination of a software program and the DOS Compatibility Feature. The relationship of the program logic to that of the Compatibility Feature is described.

This publication has been written to serve as a guide to and for use with program listing. It is intended for programmers involved in program maintenance and system programmers who are altering the program design. (DOS to OS Emulator-Logic, GY20-3741 is now obsolete) Use SY33-7015 for DOS Emulation under OS/VS.

Manual
SLSS - ORDER NO. SUBSCRIPTION ONLY

GY33-7019

1401/1440/1460 OS/MFT AND OS/MVT EMULATOR ON SYSTEM/370 - LOGIC, PROG. NO. 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 and OS/MVT 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).

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, 300 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

GY33-7020

1410/7010 OS/MFT AND OS/MVT EMULATOR ON SYSTEM/370 LOGIC PROG. NO. 360C-EU-736

This manual describes the internal logic of the IBM 1410/7010 Emulator Program for the IBM System/370 Models 145, 155 155-II and 158. The emulator runs as a problem program under the OS/MFT and OS/MVT 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 for #4458; the Models 155, 155-II and 158 with IBM Compatibility Feature #3950).

Described in this manual are the logic of the emulator program; the interrelationships 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, 312 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

LY33-8038

DOS/VS SORT/MERGE LOGIC - PROGRAM NUMBER 5746-SM1

This manual aids Programming Systems representatives and system programmers involved in maintenance circumvent and/or fix faults in the DOS/VS Sort/Merge (5746-SM1). It describes the structure, logic and operation of the sort/merge by means of method-of-operation diagrams, module descriptions, data area descriptions, and various cross-reference tables.

Manual, 135 pages
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

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
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

SY33-8041

OS/VS, VM/370 ASSEMBLER LOGIC

This program logic manual is written for customer engineers and programmers maintaining the OS/VS - VM/370 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 - DOS/VS - VM/370 Assembler Language,
Order No. GC33-4010
IBM System/370 Principles of Operation,
Order No. GA22-7000
IBM System/360 Principles of Operation,
Order No. GA22-6821
OS/VS - VM/370 Assembler Programmer's Guide,
Order No. GC33-4021
Manual, 276 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

LY33-8042

OS/VS SORT/MERGE LOGIC - PROG. PROD. 5740-SM1

Describes the functions of the OS/VS Sort/Merge Program Product, including method of operation, program organization directories of program components, data areas, and techniques used by the program. Diagnostic aids include tables showing the origin of program messages, a description of the program's debugging aids and formatted dumps, and some simple bypasses.

Manual, 226 pages
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY33-8044

DOS/VS SORT/MERGE VERSION 2 LOGIC, PROG PROD 5746-SM2

For service personnel and development programmers who need to know about the design and organization of the DOS/VS Sort/Merge Version 2 Program Product (5746-SM2); describes its internal logic.

Manual, 8 1/2 x 11 inches, 124 pgs, 5/77
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GY33-8532

DOS VERSION 4 LOGICAL TRANSIENTS, LOGIC - PROG. 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
SLSS - ORDER NO. SUBSCRIPTION ONLY

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

GY33-8537

DOS VERSION 4 SYSTEM SERVICE PROGRAMS - PROGRAM LOGIC, PROG. NO. 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
SLSS - ORDER NO. SUBSCRIPTION ONLY

GY33-8538

DOS VERSION 4 LINKAGE EDITOR MANUAL - PROGRAM LOGIC, PROG. NO. 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 associates publications, see the IBM System/360 and System/370 Bibliography, GA22-6822. Manual, 96 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

GY33-8542

DOS VER. 4 IPL AND JCL LOGIC - PROG. NO. 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
SLSS - ORDER NO. SUBSCRIPTION ONLY

GY33-8543

DOS VERSION 4 LIOCS INTRODUCTION VOLUME 1 - PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 370N-CL-453, 370N-IO-454, 370N-IO-455, -456, -457, -458, -477, -478

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. 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
SLSS - ORDER NO. SUBSCRIPTION ONLY

GY33-8544

DOS VER. 4 LIOCS VOL. 2, LOGIC - PROG. NO. 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
SLSS - ORDER NO. SUBSCRIPTION ONLY

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY33-8548

OS/VS2 TSO COMMAND PROCESSOR LOGIC VOLUME II: EDIT

This publication describes the internal logic of the TSO EDIT Command Processor program. Included in this manual are discussions of the organization and method of operation of the program, tables of data layouts.

The EDIT program processes the EDIT command and subcommands, which are a part of the TSO command language. The EDIT command and its subcommands create and modify data sets.

The subcommands are:

ALLOCATE	END	INSERT	RENUM	SUBMIT
BOTTOM	FIND	Insert/Replace/Delete	RUN	TABSET
CHANGE	FORMAT	LIST	SAVE	TOP
DELETE	HELP	MERGE	SCAN	UP
DOWN	INPUT	PROFILE	SEND	VERIFY

This manual is intended for use by persons debugging the EDIT Command Processor program, or by systems programmers who are altering the program design. It is not intended, nor is it needed for normal operation of the program.

Manual

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY33-8551

DOS/VS SUPERVISOR LOGIC

This reference publication describes the internal logic of the IBM Disk Operating System Virtual Storage (DOS/VS) Supervisor and the Attention Transients. 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.

Manual, 490 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY33-8552

DOS/VS ERROR RECOVERY AND RECORDING TRANSIENTS LOGIC

This reference publication provides general information and detail flowcharts of the Recovery and Recording Transient Programs of the IBM Disk Operating System/Virtual Storage. The transient programs discussed handle the recovery from and recording of device errors, machine checks and channel checks. This publication, which is a supplement to the program listing, is intended 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.

Manual

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY33-8553

DOS/VS LOGICAL TRANSIENTS LOGIC

This reference publication provides general information and detail flowcharts of the Logical Transient Programs of the Disk Operating System/Virtual Storage. The transient programs discussed are the Attention Routines, the Terminator Routines, the CRT Transients and some special service programs. This publication, which is a supplement to the program listing, is intended 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.

Manual, 280 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY33-8554

DOS/VS SYSTEM SERVICEABILITY AIDS LOGIC

This reference publication describes the internal logic of supervisor-interrelated serviceability aid programs of the IBM Disk Operating System (DOS/VS).

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 serviceability aid programs provided with the DOS/VS system. Reference publications for this information are listed in the preface of this manual.

Manual, 332 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY33-8555

DOS/VS IPL AND JOB CONTROL LOGIC

This reference publication describes the internal logic of Version 5 of the IBM Disk Operating System/Virtual Storage, DOS/VS, 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 DOS/VS 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, and IBM System/370 Advanced Function Bibliography, GC20-1763, for the editions that are applicable and current.

Manual, 336 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY33-8556

DOS/VS LINKAGE EDITOR LOGIC

This publication describes the internal logic of the IBM Disk Operating System/Virtual Storage 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 operating and of IBM DOS/VS control and service programs, macro instructions, and operating procedures.

Manual, 104 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY33-8557

DOS/VS LIBRARIAN LOGIC

This reference publication describes the internal logic of the IBM Disk Operating System/Virtual Storage (DOS/VS), 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 DOS/VS 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, and the IBM System/370 Advanced Function Bibliography, GC20-1763.

Manual, 340 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY33-8558

DOS/VS SYSTEM UTILITIES LOGIC

This publication describes the internal logic of the IBM DOS/VS System 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 programs.

Manual, 338 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY33-8559

DOS/VS LIOCS VOL. 1 GENERAL INFORMATION AND IMPERATIVE MACROS LOGIC

This reference publication is the first of four Logic Manuals that describe the internal logic of the Logical IOCS (Input/Output Control System) programs for the IBM Disk Operating System/Virtual Storage. The four related Logic Manuals are:

Volume 1: General Information and Imperative Macros, SY33-8559

Volume 2: SAM, SY33-8560

Volume 3: DAM and ISAM, SY33-8561

Volume 4: VSAM, SY33-8562

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 DOS/VS Assembler language and its associated macro definition language. Reference publications for this information are listed in the front of the manual.

For titles and abstracts of other related publications, refer to the IBM System/360 and System/370 Bibliography, GA22-6822, and the IBM System/370 Advanced Function Bibliography, GC20-1763.

Manual, 256 pages

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY33-8560

DOS/VS LIOCS VOL. 2 SAM LOGIC

This reference publication is the second of four Logic Manuals that describe the internal logic of the Logical IOCS (Input/Output Control System) programs for the IBM Disk Operating System/Virtual Storage. The four related Logic Manuals are:

Volume 1: General Information and Imperative Macros, SY33-8559

Volume 2: SAM, SY33-8560

Volume 3: DAM and ISAM, SY33-8561

Volume 4: VSAM, SY33-8562

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 program described.

Effective use of this publication requires an understanding of IBM System/370 operation and the DOS/VS Assembler language and its associated macro definition language. Reference publications for this information are listed in the front of the manual.

Manual, 436 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY

Program (OLTEP). It is for persons involved in program maintenance and programmers who are altering the program design.
 Manual
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SY33-8561

DOS/VS LIOCS VOL. 3 DAM AND ISAM LOGIC

This reference publication is the third of four Logic Manuals that describe the internal logic of the Logical IOCS (Input/Output Control System) programs for the IBM Disk Operating System/Virtual Storage. The four related Logic Manuals are:

- Volume 1: General Information and Imperative Macros, SY33-8559
- Volume 2: SAM, SY33-8560
- Volume 3: DAM and ISAM, SY33-8561
- Volume 4: VSAM, SY33-8562

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 DOS/VS Assembler language and its associated macro definition language. Reference publications for this information are listed in the front of the manual.
 Manual, 354 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SY33-8571

DOS/VS HANDBOOK VOLUME 1

This manual provides a summary of DOS/VS information for persons involved in program maintenance. It contains among others: System/370 instruction set, a summary of JCL and Librarian control statements, DTF-tables, Tape/DASD-label formats, Control-blocks and areas of Supervisor/POWER/Emulator Model 20, Service aids.
 Manual, 414 pages
 //20//5745

SY33-8572

DOS/VS HANDBOOK VOLUME 2

This manual is a supplement to the DOS/VS Handbook, SY33-8571. It contains information about POWER/VS and VTAM.
 Manual, 192 pages
 //20//5745

SY33-8573

1401/1440/1460 DOS/VS EMULATOR ON SYSTEM/370 LOGIC PROG PROD 5747-CC3

This publication describes the internal logic of the IBM 1401/1440/1460 Emulator program. The emulator runs as a problem program under control of the IBM Disk Operating System/Virtual storage (DOS/VS) on the system/370 Model 115, 125, 135, 135-3, 138, 145, 145-3, 148, 155-II, or 158, equipped with the appropriate compatibility feature. This publication is intended for those responsible for emulator program maintenance.
 Manual, 8 1/2 x 11 inches, 348 pages, 4/77
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SY33-8562

DOS/VS LIOCS VOLUME 4: VSAM LOGIC

This publication and the listing documentation (module prologues and comments) describe the internal logic of the DOS/VS Virtual Storage Access Method (VSAM).

The intended audience is a person involved in program maintenance or a system programmer who is altering the program design. Logic information is not necessary for the operation of the programs described.

This manual and the listing documentation should be viewed as a maintenance set. The listings describe the internal logic of the modules, and the manual shows what the functions of DOS/VS VSAM are and how the modules work together to carry out those functions. Prerequisite publications:

- o DOS/VS Data Management Guide, GC33-5372, which describes DOS/VS VSAM data management.
- o DOS/VS Supervisor and I/O Macro Instructions, GC33-5373, which tells how to code DOS/VS VSAM macro instructions
- o DOS/VS LIOCS Volume 1: General Information and Imperative Macros Logic, SY33-8559 contains brief descriptions of how DOS/VS open, close, and end-of-volume routines interact with DOS/VS VSAM.

MANUAL, 720 PAGES

SLSS - ORDER NO. SUBSCRIPTION ONLY

SY33-8574

1410/7010 DOS/VS EMULATOR ON SYSTEM/370 LOGIC PROG PROD 5747-CC3

This publication describes the internal logic of the IBM 1410/7010 Emulator Program. The emulator runs as a problem program under control of the IBM Disk Operating System/Virtual storage (DOS/VS) on the system/370 Model 145, 145-3, 148, 155-II, or 158, equipped with the appropriate compatibility feature. This publication is intended for those responsible for emulator program maintenance.
 Manual, 8 1/2 x 11 inches, 4/77
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SY33-8564

DOS/VS ACCESS METHOD SERVICES LOGIC

This book describes the internal logic of the routines of Access Method Services and provides diagnostic information. 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 Access Method Services.
 Manual, 8 1/2 x 11 inches, 600 pages, 5/77
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SY33-8575

MODEL 20 DOS/VS EMULATOR ON SYSTEM/370 LOGIC

Volume 1 of this manual describes the internal logic of the IBM System/360 Model 20 Emulator program. The emulator runs as a problem program under control of the IBM Disk Operating System/Virtual Storage (DOS/VS) on the system/370 Model 115, 125, 135, 135-3, or 138, equipped with the Compatibility Feature #7520.

Volume 2 of this manual describes the internal logic of the data interchange program. The data interchange program converts files in Model 20 emulator format to files accessible by DOS/VS programs, and vice versa.

This publication is intended for those responsible for emulator program maintenance.
 Manual, 8 1/2 x 11 inches, 355 pages, 4/77
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SY33-8566

DOS/VS POWER RJE PROGRAM LOGIC

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, 230 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SY33-8576

DOS/VS POWER/VS LOGIC PART 1

No abstract available.
 Manual, 244 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SY33-8567

DOS/VS ASSEMBLER LOGIC

This manual aids Programming Systems Representatives and system programmers involved in maintenance circumvent and/or fix faults in the DOS/VS Assembler and the DOS/VS 3705 Assembler. It describes the structure, logic, and operation of the assembler. It provides information on how the assembler works functionally (this is illustrated through method-of-operation diagrams); how the program is divided into units; control and data flow between phases; allocation of main storage; detailed layouts of data areas; I/O activity and workfile layouts; register usage; debugging hints; and appendixes with related reference material.

The modifications made to certain phases of the DOS/VS Assembler in order to produce the DOS/VS 3705 Assembler are described in Appendix K.
 Manual, 390 pages
 SLSS - ORDER NO. SUBSCRIPTION ONLY

SY33-8577

DOS/VS POWER/VS LOGIC PART 2

This reference publication, which should be used together with DOS/VS POWER/VS Logic Part 1, SY33-8576, describes in detail the internal logic of all DOS/VS POWER/VS phases (including the RJE, SNA modules) in the form of detailed charts and HIPOs.

The manual is intended for persons involved in program maintenance and for system programmers altering the program design.
 Manual, 820 pages, 5/76
 SLSS - ORDER NO. SUBSCRIPTION ONLY

LY33-9063

ADVANCED FUNCTIONS - DOS/VS PROGRAM NUMBER 5746-XE2 SYSTEM LIBRARY SUPPLEMENT TO DOS/VS SUPERVISOR LOGIC

The publication provides replacement and/or supplementary pages for the DOS/VS Supervisor Logic. These pages, when incorporated in the DOS/VS publication, document the use of the facilities available with Advanced Functions - DOS/VS.
 Manual, 8 1/2 x 11 inches, 190 pgs, 4/77
 SLSS - IBM INTERNAL SUBSCRIPTION ONLY

SY33-8568

DOS/VS OLTEP LOGIC

This reference publication describes the internal logic of the IBM Disk Operation System, On-Line Test Executive

LY33-9064

ADVANCED FUNCTIONS - DOS/VS SYSTEM LIBRARY SUPPLEMENT, PROGRAM NUMBER 5746-XE2 TO DOS/VS LOGICAL TRANSIENTS LOGIC
The publication provides replacement and/or supplementary pages for the DOS/VS Logical Transients Logic. These pages, when incorporated in the DOS/VS publication, document the use of the facilities available with Advanced Functions - DOS/VS.
Manual, 8 1/2 x 11 inches, 56 pgs, 4/77
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY33-9065

ADVANCED FUNCTIONS - DOS/VS RELEASE 34 SUPPLEMENT TO DOS/VS SYSTEM SERVICEABILITY AIDS, LOGIC
This supplement contains changed pages for DOS/VS Serviceability Aids Logic, SY33-8554-3 for Advanced Functions - DOS/VS, Release 34. It describes support for asynchronous operation communication and for up to seven partitions.
Manual, 8 1/2 x 11 inches, 50 pgs, 4/77
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY33-9066

ADVANCED FUNCTIONS - DOS/VS RELEASE 34 SUPPLEMENT TO DOS/VS IPL AND JOB CONTROL LOGIC
This supplement contains changed pages for DOS/VS IPL and Job Control Logic, SY33-8555-3 for Advanced Functions - DOS/VS, Release 34. It describes support for up to seven partitions and Library Device Independence.
Manual, 8 1/2 x 11 inches, 38 pgs, 4/77
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY33-9067

ADVANCED FUNCTIONS - DOS/VS RELEASE 34 SUPPLEMENT TO DOS/VS LINKAGE EDITOR LOGIC
This supplement contains changed pages for DOS/VS Linkage Editor Logic, SY33-8556-2 for Advanced Functions - DOS/VS, Release 34. It describes support for up to seven partitions, Library Device Independence, and Fast Linkage Editor.
Manual, 8 1/2 x 11 inches, 26 pgs, 4/77
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY33-9068

ADVANCED FUNCTIONS - DOS/VS RELEASE 34 SUPPLEMENT TO DOS/VS LIBRARY LOGIC
This supplement contains changed pages for DOS/VS Library Logic, SY33-8557-3 for Advanced Functions - DOS/VS, Release 34. It describes support for up to seven partitions, Library Device Independence, and VM linkage enhancements.
Manual, 8 1/2 x 11 inches, 90 pgs, 4/77
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LY33-9069

ADVANCED FUNCTIONS - DOS/VS RELEASE 34 SUPPLEMENT TO DOS/VS SYSTEM UTILITIES LOGIC, PROGRAM NUMBER: 5746-XE2
This supplement contains changed pages for DOS/VS System Utilities Logic, SY33-8558-1 for Advanced Functions - DOS/VS, Release 34. It describes the format of the Options table and the Hardcopy record for seven partitions.
Manual, 8 1/2 x 11 inches, 6 pgs, 4/77
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

GY34-0019

DISTRIBUTED INTELLIGENCE SYSTEM OS/VS1: LOGIC, PROG. NO. 5744-BK1
The manual contains the logic of the Distributed Intelligence System program. This program controls System/7s that are satellite-connected to a host System/370. This network of systems permits mutual sharing of System/370 resources and System/7 sensor-based control capabilities. The manual is written for program support personnel who have a working knowledge of MSP/7 and OS/VS1 control programs.
Manual, 850 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY35-0003

OS/VS1 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
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY35-0004

OS/VS2 TSO COMMAND PROCESSOR LOGIC VOLUME III: TEST REL 2, 3, 3.6; WITH SN28-2629, REL 3.7
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
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY35-0005

OS/VS UTILITIES LOGIC
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
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY35-0008

OS/VS1 ACCESS METHOD SERVICES LOGIC
This book describes the internal logic of the routines of Access Method Services and provides diagnostic information. 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 Access Method Services.
You should be familiar with general programming techniques, OS/VS VSAM concepts and use, and System/370 before turning to this publication.
Logic Manual, 360 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY35-0010

OS/VS2 ACCESS METHOD SERVICES LOGIC
This book describes the internal logic of OS/VS2 Access Method Services routines and provides diagnostic information. This information is directed to support personnel and development programmers who require an in-depth knowledge of the program's design, organization, and data areas. The book is not required for effective use of Access Method Services.
Manual, 486 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY35-0011

OS/VS2 CVOL PROCESSOR LOGIC
This book describes the internal logic of the CVOL Processor and provides diagnostic information. This information is directed to maintenance personnel and development programmers who require in-depth knowledge of the design organization and data areas. It is not required for effective use of the CVOL Processor.
Manual, 112 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY35-0012

OS/VS1 MASS STORAGE SYSTEM COMMUNICATOR (MSSC) LOGIC
This book describes the logic of OS/VS1 Mass Storage System Communicator (MSSC) routines and provides diagnostic information. This information is for support personnel who require an in-depth knowledge of MSSC's design, organization and data areas.
Manual, 215 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY35-0013

OS/VS2 MASS STORAGE SYSTEM COMMUNICATOR (MSSC) LOGIC
This book describes the logic of OS/VS2 Mass Storage System Communicator (MSSC) routines and provides diagnostic information. This information is for support personnel who require an in-depth knowledge of MSSC's design, organization, and data areas.
Manual, 234 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY35-0014

OS/VS MASS STORAGE CONTROL (MSC) TRACE REPORTS LOGIC
This book describes the internal logic of the Trace Report Programs and provides diagnostic information. 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 the Trace Reports Program. Pre-requisite Publications are:
OS/VS Mass Storage System (MSS) Services for Space Management, GC35-0012.
IBM 3850 Mass Storage System (MSS) Installation Guide.
Manual
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY35-0015

OS/VS MASS STORAGE SYSTEM (MSS) SERVICES LOGIC
This book describes the internal logic of the function support routines (FSRs) that support the mass storage system and provides diagnostic information.

This information is directed at support personnel and development programmers who need an in-depth knowledge of the function support routines (FSRs) design, organization, and data areas.
Manual
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY35-0016

OS/VS MASS STORAGE CONTROL (MSC) TABLE CREATE LOGIC
This book describes the internal logic of the Mass Storage Control Table Create Program. The information in the book 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 the Table Create Program.
Prerequisite Publication is:
OS/VS Mass Storage Control Table Create, GC35-0013.
Manual, 34 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

S2C0-0021

DOS/VS EARLY WARNING MICROFICHE
Early Warning information consists of the most current available service information, which has been extracted from the RETAIN system and reproduced on microfiche.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

S2C0-0031

EARLY WARNING MICROFICHE - OS/VS
Early Warning information consists of the most current available service information, which has been extracted from the RETAIN system and reproduced on microfiche.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

S2C0-0351

EARLY WARNING, UNIQUE WORLD TRADE, GENERAL INFORMATION
Early Warning information consists of the most current available service information, which has been extracted from the RETAIN system and reproduced on microfiche.
Microfiche

S2C0-2003

WORLD TRADE EARLY WARNING PROGRAMMING SYSTEMS
Early Warning Microfiche consists of the most current service information available which has been extracted from the RETAIN system and reproduced on microfiche.
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

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 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 necessary information to market the time-sharing system. It includes configuration support and descriptions of the functions provided.
Manual, 20 pages
/////5796-AAT,5796-AJC,5796-AGN,5796-AHQ

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
SLSS - ORDER NO. SUBSCRIPTION ONLY

G320-1408

S/370 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE COMPUTING (MUSIC) RELEASE 2: IUP 5796-AAT NOTICE
A new release of the MUSIC Timesharing System is now available. It contains significant new system support for S/370 Models 125, 158, 165 and 168, including 3330/3333 Model II, 3704/3705, enhancements to BASIC and APL workspace support. In addition, its interface to VM/370 has been improved to provide more efficient operation when running in a virtual machine under VM/370 control. Programming services have been extended until December 31, 1974. MUSIC offers a high performance and high function timesharing facility previously unavailable to the low entry System/370 user.
Notice, 6 pages
/////5796-AAT,5796-AJC,5796-AHQ

G320-1523

DBPROTOTYPE (5796-PBB), IMSMAP (5796-PBC), PLIMS (5796-PEF), 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
/////5796-PBB,5796-PBC,5796-PBF,5796-PBE,5796-PBD

G320-1529

3270 FORMATTING FEATURE FOR BATCH TERMINAL SIMULATOR IUP 5796-PBD - NOTICE
This notice is intended to inform the potential user about the program and that is has been released. The 3270 Formatting Feature is an expansion of the Batch Terminal Simulator IUP (5796-PBD); which is described in Availability Notice G320-1523. BTS allows IMS batch, batch message and message processing programs to be tested without having teleprocessing hardware installed. The addition of the 3270 Formatting Feature provides the ability to test applications using the IMS Message Formatting Service (MFS) without the use of 3270 hardware. This means that development of new online applications, or conversion of batch programs for online use, can proceed while still in the batch only test/development mode.
Flyer, 7 pages
/////5796-PBD

G320-1530

TEST DATA GENERATOR FOR SYSTEM/370 - IUP 5796-PBP - NOTICE
This notice is designed to inform potential users about the program and that it has been released.
Test Data Generator constructs data used in testing an application program. The user describes the characteristics of the data and supplies the "seed" for a random number generator; the program constructs test files containing randomly generated data and optionally gives the user a data for testing the logic of application programs should provide savings by not having to prepare test data manually, thus reducing programming time and eliminating the heavy volume of keypunching normally required to establish test files. It should also provide less biased data for the actual test. Frequently, it can eliminate or postpone the writing and testing of data file load programs.
Release Notice, 16 pages
/////5796-PBP

G320-1532

DATA COMMUNICATION ANALYZER FOR IMS DB/DC (DCANALYZER):
IUP 5796-PCA NOTICE

The Data Communication Analyzer (DCANALYZER) program is designed to assist the user in evaluating design alternatives for IMS data base/data communication systems. It produces relative data on service times and throughput of transactions processed on iterative runs of DCANALYZER under varying design combinations. The user can analyze and compare this data to select the design best suited to his needs.

This notice is intended to inform potential users about the program and that it has been released.

Release Notice
 /////5796-PCA

G320-1535

DB PROTOTYPE/VS - IUP 5796-PCX, RELEASE NOTICE

DBPROTOTYPE/VS is a design evaluation tool which enables the IMS/VS user to create model data bases and skeletal application programs to run against these data bases. By analyzing the performance data obtained from successive runs utilizing different design parameters, the user can select the system design best suited to his needs.

The value of this prototype approach to design is that it enables the user to study the effects of various design alternatives prior to expending resources in implementation. Programming for new or changing applications and data bases can follow with a higher level of confidence for success without costly rework caused by poor design.

DBPROTOTYPE/VS operates with IMS/VS. It extends the capabilities of DBPROTOTYPE (IUP 5796-PBB) to support IMS/VS features and incorporates improvements in the existing functions of DBPROTOTYPE. DBPROTOTYPE is prerequisite for DBPROTOTYPE/VS.

Flyer
 /////5796-PCX

G320-1538

IMSMAP/VS - IUP 5796-PCY, RELEASE NOTICE

The Installed User Program IMSMAP/VS is a documentation aid which produces pictorial representations of data base structures. These maps, which are produced on a line printer, graphically represent the many characteristics of an IMS/VS data base. In addition to producing maps, IMSMAP/VS can print a detailed report describing the characteristics of each data description (DBD).

IMSMAP/VS is an extension of the currently available IUP, IMSMAP (5796-PBC). IMSMAP is a prerequisite for IMSMAP/VS. IMSMAP/VS provides both support for IMS/VS data bases and additional features not available in the original IMSMAP IUP.

Flyer
 /////5796-PCY

G320-1539

BTS/VS - IUP 5796-PCZ, RELEASE NOTICE

BTS/VS is a terminal simulator which allows IMS/VS application programs to be tested without the use of teleprocessing hardware or the IMS DC feature. Extensive debugging facilities enable the BTS/VS user to test batch applications, as well as those intended to run in a teleprocessing environment. BTS/VS provides information about each transaction and message as it progresses through the IMS/VS system.

The BTS IUP (5796-PDB) is a prerequisite for the use of BTS/VS. The 3270 Formatting Feature, offered as a feature of BTS, extends 3270 simulation capability to both BTS and to BTS/VS.

Flyer
 /////5796-PCZ

G320-1540

TEST IMS/VS UTILITIES - IUP 5796-PDA, RELEASE NOTICE

The Test IMS/VS Utilities were developed to aid in testing and checking out application program code by automating the functions of organizing, displaying and comparing test data. If performed manually, these functions can consume a large portion of customer programming manpower. This set of programs can assist the programmer in effectively managing his test data and more rapidly evaluating test results.

Test IMS/VS Utilities, offered as an enhancement of Test IMS Utilities, provides support for IMS/VS data bases and adds new functions to Test IMS Utilities. Test IMS Utilities (5796-PBE) is a prerequisite for the Test IMS/VS Utilities.

Flyer
 /////5796-PDA

G320-1542

JOB CONTROL LANGUAGE EDITOR - IUP 5796-PDC, NOTICE

This Document announces availability of the Job Control Language Editor which brings to the batch user of OS MFT/MVT/VS1/VS2 text editing capability for Job Control Language (JCL) changes. This IUP can expedite conversion efforts involving JCL modifications such as converting from OS to VS or from one I/O device to another.

Flyer, 6 pages
 /////5796-PDC

G320-1544

INTERACTIVE QUERY AND REPORT PROCESSOR (IQRP) - IUP
5796-PDG, NOTICE

This Availability Notice contains complete ordering information for the 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.

The Interactive Query and Report Processor (IQRP) enables the end user to interact, from a terminal, directly with files of interest to him using a free form set of commands which can be easy to learn. IBM experience with predecessor systems indicates that providing this type of query and reporting facility to the end user potentially constitutes a significant productivity enhancement and can permit a wide variety of applications to be implemented without traditional programming.

The key to IQRP's value in permitting the end user to generate interactively his own applications is a simple, flexible, non-procedural, powerful set of commands. Use of IQRP predecessor systems within IBM has demonstrated that clerks, managers, administrative personnel, technical staff and production workers can quickly learn to use the IQRP query terms.

Availability Notice
 /////5796-PDG

G320-1621

IBM MARKETING PUBLICATIONS KWIC INDEX

This catalog indexes the titles and lists the prices of customer publications, including all those for system libraries and many other marketing publications, such as application briefs, educational and promotional literature, cassettes, videotapes, periodicals and photographs.

All titles are KWIC (keyword in context) titles. KWIC is an abbreviating retrieval system in which titles are expressed in no more than 30 characters and each such title is indexed under each practical keyword.

Materials for the maintenance of IBM products are in the Customer Engineering KWIC Index, GY20-0073.
 Index, 228 pages, 6/76

SLSS - ORDER NO. SUBSCRIPTION ONLY

G320-5534

VM/370 GRAPHIC MONITOR, IUP 5796-PDT, NOTICE

This document tells potential customers about use of the VM/370 Graphic Monitor.

The primary objective of the system is to display realtime information on the activity taking place in the VM/370 system. For example, the system would allow the user to observe and, if necessary, react to adverse loop situations that could degrade the overall system. Features of the program are extensive and include screen formats that show:

- o System utilization which provides a histogram of CPU utilization of the VM/370 system over an 80 minute span of time. This screen will also display numeric data for the last interval and hour.
- o User utilization of system resources. This screen shows the individual user's utilization of CPU, I/O and paging. This screen allows systems personnel to immediately determine users having detrimental utilization rates.
- o Dual control - The system can be controlled either by the virtual machine console or a selected control 3270 local. This feature allows the systems personnel to select the screen formats desired and to suppress those not desired.
- o Print file - a virtual spool file is created which contains VM/370 data as specified by the user. This information may also be retained as a disk file under the Conversational Monitor System.
- o The 168 console is supported as a display device as well as 3270 locals. This support is provided as dedicated devices attached directly to the VM/370 Graphic Monitor.

Systems personnel can instantly visualize the manner of distribution of the VM/370 system resources and take any corrective action deemed necessary.

Release notice, 6 pages, 11/75

/////5796-PDT

G320-5537

AUTOMATED UNIT TEST, IUP 5796-PEB, 5796-PEC, NOTICE

This document contains information about use of Automated Unit Test (AUT), a productivity aid which can be used by a programmer to drive test cases through a unit of code for internal interface testing, monitor execution of the test cases, verify whether the tests were successful, and provide diagnostic information about discrepancies. Because it also provides the capability to simulate uncoded or uncompleted units of code or entire modules while driving the test cases, AUT promotes the use of top-down design or development - a technique used by many to help improve the quality and reliability of code.

Release notice, 8 pages, 9/75

/////5796-PEB,5796-PEC

G320-5539

VS/REPACK, IUP 5796-PDZ, NOTICE

This document contains information about use of the VS/REPACK Installed User Program (5796-PDZ), a tool to help in improving the performance of individual user programs

running in a virtual storage environment. In particular, VS/REPACK provides facilities for recording, displaying, and analyzing virtual storage reference data which can enable the user to reduce program working set size in order to decrease overall system paging. The VS/REPACK developers have used these facilities to reduce the paging rate of specific applications in their installation in the range of one-half to two-thirds. The improvements that can be obtained using VS/REPACK may vary widely depending upon the nature of the application and the system environment.

HIGHLIGHTS

The VS/REPACK system can assist the programmer in:

- o Reordering the CSECTS for improved program performance
- o Reducing the wasted space
- o Interactive testing of assumptions without recording, relinking or rerunning
- o Graphically displaying program activity
- o Debugging program logic errors related to abnormal sequencing of storage references
- o Confining a program's address space references to fewer pages for extended periods of time

SYSTEM DESCRIPTION

The VS/REPACK Installed User Program (5796-PDZ) is a program developed and structuring aid used for analysis of a program's execution in a virtual storage environment. The use of VS/REPACK involves two separate procedures that are used in conjunction with each other to analyze how to improve performance: The Trace session and The Analysis session.

Release notice, 4 pages, 1/76

//////5796-PDZ

G320-5540

WIDEBAND COMMUNICATIONS SYSTEM, IUP 5796-PDJ, NOTICE

This document contains information about use of the Wideband Communications Program, currently in use in over 75 IBM locations throughout the world. It was developed to take advantage of high-speed data transfer rates available over leased lines. Using sophisticated data compaction techniques, checkpointing, and audit and security facilities, the system allows multiple installations to effect fast, reliable transmission of bulk data under control of CPUs using OS/VS1 or OS/VS2. Wideband Communications can help reduce the cost associated with bulk data transfer by increasing productive line utilization and decreasing the displaceable cost associated with offline transmission systems such as tape handling or transportation of storage media.

HIGHLIGHTS

- o Transmission of the data sets to multiple locations via store and forward
- o Three level prioritization
- o Operation at line speeds from 1200 baud to 230.4KB
- o Between local and remote locations, tape-to-tape, tape-to-spool, spool-to-tape, or spool-to-spool transmission
- o Support of standard label, nonlabel, nonstandard label, and 7/9-track tape files (nonstandard label files are transmitted bit for bit with no label processing performed)
- o Multifile tape volume support
- o Spooling or despooling using sequential devices other than tape or disk
- o Concurrent send, receive, and spooling task capabilities within a single CPU
- o Retention of sent traffic in compacted format
- o Reduction of line overhead and spool space through data compaction
- o Integrated checkpoint/restart and line error recovery
- o System performance/audit analysis capability through the use of standalone utilities
- o High level of main storage optimization through the use of reentrant modules

Release notice, 4 pages

//////5796-PDJ

G320-5541

ASSEMBLER H/CMS INTERFACE, IUP 5796-PEJ, NOTICE

This document contains information about use of the Assembler H/CMS Interface Installed User Program, which enables VM/370 users to install and execute OS Assembler H under CMS. After installation is completed, a simple command, HASM, is used to invoke Assembler H to assemble user specified files. A set of options available with the HASM command provides the CMS user with the same options as Assembler H under OS.

HIGHLIGHTS

- o Provides an interface to OS Assembler H under VM/370.
- o Enables VM/370 CMS users to benefit from Assembler H performance improvement and language extensions.
- o Uses a simple CMS command to invoke Assembler H.
- o Provides for assembly time options with the CMS command.
- o Enables source program input from CMS files, OS data sets, or OS partitioned data sets.
- o Permits programs written for Assembler F and the OS/VS Assembler to be assembled with Assembler H.

Release Notice, 4 pages, 10/75

//////5796-PEJ

G320-5542

RCA TDOS ASSEMBLER TO O/S ASSEMBLER CONVERSION AID, IUP 5796-PEX, NOTICE

This document informs potential customers about the use of the RCA TDOS Assembler to OS/VS Assembler Conversion Aid.

This aid converts RCA TDOS Assembler programs to OS/VS executable modules with a minimum of source statement changes. The conversion aid uses RCA assembler language source code as input and, with nominal additions directly produces an executable OS/VS assembler program eliminating many errors resulting from manual changes. It minimizes the amount of application knowledge required of the conversion programmer. An auxiliary module, included with the aid, is required until future conversion to native OS/VS mode.

The conversion aid consists of two assembler language programs and a macro library. One of these programs is for correcting minor syntactical differences between the two assembler languages. The other program is an auxiliary module with multiple entry points that works in conjunction with the expansion of the macros included in the conversion aid. The macro library consists of macros that were written to accept the RCA/DOS syntactical format and expand either to their direct OS MACRO equivalent or to a branch and link to the auxiliary routine necessary to provide the RCA/TDOS function.

Release notice, 4 pages, 7/75

//////5796-PEX

G320-5547

SYSTEM DIRECTORY LIST OPTIMIZER, IUP 5796-PFH, NOTICE

No abstract available.

Flyer, 4 pages

//////5796-PFH

G320-5550

DISK VOLUME MAP PROGRAM, IUP 5796-PFL, NOTICE

This document contains information on use of the Disk Volume Map Program, developed by IBM Program Development in order to use disk storage more efficiently and thus have more disk packs and disk drives available for adding new applications. The Disk Volume Map Program makes it possible to monitor disk storage as often as desired and to have knowledge at all times as to whether and where space is available, whether any data sets should be compressed, and what is stored where - knowledge that is crucial to avoid wasting resources in the disk storage area.

Potential Advantages

- o More efficient use of available disk space
- o Fewer reruns due to lack of available disk space
- o Faster execution of disk I/O bound programs if many long seek operations are eliminated by more efficient data set organization
- o Potential transfer of data management chores from the systems programmer to the operations department
- o Easier, faster, and better conversion of data files from tape to disk

Release Notice, 8 pages, 11/75

//////5796-PFL

G320-5551

ISAM TO DL/I COBOL TRANSLATOR, IUP 5796-PFB, -PFC, NOTICE

This document contains information on use of the ISAM-to-DL/I COBOL Program Translator Installed User Program, which assists the user in his conversion from ISAM files to integrated data-base management under DL/I. The Translator converts COBOL source programs that use ISAM into exactly equivalent COBOL programs that use DL/I to access the same data. At the same time the Translator detects and diagnoses unusual programming techniques (if any) that may require revision to operate in an integrated data base environment. The Translator provides a complete audit listing of this conversion, or, if the user chooses, an exceptions-only listing at either of two levels of detail.

The ISAM-to-DL/I COBOL Program Translator thus helps the user by:

- o Detecting all occurrences of ISAM-related usage in a COBOL source program.
- o Converting all common ISAM-related COBOL statements. These DL/I statements are organized in a standard and easily modified form for all translated programs.
- o Diagnosing and identifying errors in COBOL syntax or unusual usage of ISAM that may require manual changes to conform to the user's intended operating environment under DL/I.
- o Providing the user with a simple level of control over the translation process through use of control cards.

Release Notice, 6 pages, 1/76

//////5796-PFB, 5796-PFC

G320-5652

IMS SPACE MANAGEMENT UTILITIES, IUP 5796-PFW, NOTICE

This document contains information in us of the IMS Space Management Utilities, which can improve system performance and programmer productivity. They are designed to assist in managing OS, OS/VS, IMS/360 and IMS/VS data space, to detect and report IMS hierarchical direct (H.D.) pointer discrepancies and to assist with segment restructuring during data base reorganization. The IMS Space Management Utilities are installed and operational at the IBM System Products Division plant in East Fishkill, New York.

HIGHLIGHTS

The IMS Space Management Utilities can provide the following benefits to the user:

- o Reduction or elimination of reruns caused by program abends due to the lack of available disk space
 - o Improved OS or IMS program performance resulting from properly reorganized data bases and data sets
 - o Improved system programmer productivity due to reduced diagnostic/repair time spent correcting IMS H.D. physical pointer discrepancies
 - o Less programming time required to create test data bases from a subset of existing data bases
 - o Ease of accommodating changes in data base design via a simplified method of restructuring data base segments
- Release Notice, 4 pages, 1/76
 ////5796-PFW

compile under the Optimizer or Checkout Compiler Program Product (5734-PL1 and 5734-PL2). It permits lower skilled personnel to perform conversion of PL/I program libraries. It can reduce the time required and adds an orderly method to perform the tasks. It can assist the user in achieving significant cost reduction in making the conversion.
 Release Notice, 4 pages, 1/76
 ////5796-ARG

G320-5653

TSO/CODES UPDATE SYSTEM, IUP 5796-PFR NOTICE
 This document contains information on use of the TSO/Codes Update System Installed User Program, a productivity aid which can be used by a TSO System Administrator to automatically create unique passwords for TSO users. It can eliminate manual updating of the passwords and help increase the security and manageability of the TSO password facilities. Because the TSO/Codes Update System uses both the Julian date and the time of day as input to its randomizing routines, the same series of passwords should not be reproduced within a 100-year cycle, and likely will never be reproduced.

The TSO/Codes Update System is designed to be used with "snap-out" form-type mailers, which are readily available from various forms vendors. The program prints the new password, name and address, and any user message on the cover sheet of the special form. This cover sheet is removed and held as the master listing and is used for the auditing process. The new password and message are printed only on the cover sheet and on the inside part of the form. This is accomplished by the arrangement of carbons within the mailer envelope. The new password is visible only when it is separated from the envelope portion of the multipart form. The use of these forms can reduce the amount of handling, helping to increase security, and, potentially, decreasing maintenance costs.
 Release Notice, 6 pages, 1/76
 ////5796-PFR

G320-5654

OS/DOS CICS/VS COBOL CALL INTERFACE, IUP 5796-AHK NOTICE
 This document contains information on use of IUP 5796-AHK. The CICS/COBOL Call Interface IUP (5796-AEG) provides a COBOL/CICS interface technique that eliminates the use of the CICS Preprocessor Program and makes writing and debugging of ANS COBOL/CICS application programs considerably easier. The new CICS/VS COBOL Call Interface IUP (5796-AHK), with the prerequisite IUP 5796-AEG, enables the CICS/VS user to take advantage of the additional functions of CICS/VS and comes with a new licensing agreement which includes an extended support period.
 Release Notice, 4 pages, 12/75
 ////5796-AHK

G320-5658

VS BASIC INTERACTIVE DATA SYSTEM, IUP 5796-PFT, NOTICE
 This document contains information on use of the VS BASIC Interactive Data System Installed User Program, a productivity aid to permit users to create, control and maintain data for their own use as required by their jobs. It enables the non-programmer to create, update, sort, list, and use data files made up of records of his own design.
 Release Notice, 8 pages, 1/76
 ////5796-PFT

G320-5660

DL/I HDAM DATA BASE TUNING AID, IUP 5796-AKF, NOTICE
 This document contains information on use of the HDAM Reorganization Utility for DL/I DOS/VS. The DL/I DOS/VS user generally has the choice of two access methods, HIDAM and HDAM, for implementing online and performance-oriented systems. The potential performance advantages of HDAM make it an attractive alternative to HIDAM. If the application requirements can be met by HDAM, the user should consider it over HIDAM when selecting an access method. The HDAM Reorganization Utility was developed at General Reinsurance Corporation in order to use HDAM more effectively. Its purpose is to predict and tune HDAM performance during systems design, and to maintain that performance with an optimum reorganization procedure after implementation. Highlights:

- o Analyzes HDAM performance during system design
- o Calculates average number of I/Os to access root segments randomly
- o Requires only one control card to specify randomizer name and DBDGEN performance parameters
- o Provides a reorganization procedure that enhances performance by loading synonyms last
- o Eases conversion to HDAM from HISAM and HIDAM

Release Notice, 4 pages, 1/76
 ////5796-AKF

G320-5666

PL/I F TO PL/I OPTIMIZER CONVERSION AID IUP 5796-ARG, NOTICE
 This document contains information on use of the PL/I F to PL/I Optimizer Conversion Aid which accepts syntactically correct PL/I F source text and modifies it so that it will

G320-5667

IMS TRANSACTION PROFILES, IUP 5796-PGG, NOTICE
 The IMS Transaction Profiles Installed User Program was developed by the IBM Palo Alto/ Raleigh Systems Center to process IMS log information collected from IMS installations in surveys conducted by the GUIDE and SHARE User Organizations. Reports on the results of these surveys are available to customers through their IBM Systems Engineers. The IUP produces reports which can reveal a broad spectrum of characteristics of the transaction workload on an IMS DB/DC system. The information can provide early recognition of problem situations and identify the individual transaction processing programs involved. The increased understanding of the transaction workload can also provide the user with confidence in the ability of the system to absorb added applications or help to identify when the capacity of the system should be increased.
 Flyer, 4 pages
 ////5796-PGG

G320-5668

CICS VIDEO EXTENSIONS: VIDEO SUPPORT AIDS, IUP 5796-AKK, NOTICE
 This document describes for potential customers use of Video Support Aids. With the rapidly increasing demands upon today's data processing personnel, productivity has become the watchword of the industry. The challenge to DP management is to find improved methods whereby more new applications can be implemented faster, greater system availability can be achieved, and the total effort required to maintain the system components can be eased. It was with these objectives in mind that Washington Manufacturing Company undertook the development of VIDEO support aids. As a user of VIDEO/370 under CICS/VS, the company had already experienced significant productivity gains. VIDEO Support Aids provides still greater potential for improved productivity. It makes available to the VIDEO/370 CICS/DOS/VS user significant new and enhanced functions.
 Release notice, 4 pages, 3/76
 ////5796-AKK

G320-5670

MINIMIZE DASD I/O INTERFERENCE, IUP 5796-PGD, NOTICE
 No abstract available.
 Flyer, 4 pages
 ////5796-PGD

G320-5672

GTF VTAM BUFFER ANALYSIS, IUP 5796-PGF, NOTICE
 No abstract available.
 Flyer, 4 pages
 ////5796-PGF

G320-5673

MVS SEEK ANALYSIS PROGRAM, IUP 5796-PJC, NOTICE
 This document describes for potential customers use of the MVS Seek Analysis Program. This internally developed program produces reports from GTF output that can aid the MVS systems programmer in eliminating system bottlenecks. This program can be used in the installation of MVS to analyze the effects of making changes to the MVS system configuration. Following the installation of MVS, the program can be used to help identify system bottlenecks such as poor data set placement.
 Release notice, 4 pages, 3/76
 ////5796-PJC

G320-5675

GTF SUPERVISOR SERVICES ANALYZER, IUP 5796-PGE, NOTICE
 This document describes for potential customers use of the GTF Supervisor Services Analyzer Program, (GTFSSVC). This internally developed program is designed to aid the systems programmer in analyzing and improving the performance of the computer system. The GTFSSVC Program can prove valuable as a tool for identifying performance bottlenecks in the key jobs of an installation. These jobs are frequently the online DB/DC system or critical-path batch production work where performance is essential. The objective of the GTFSSVC program is to identify those jobs and program modules that are the heaviest users of supervisor services (for example, EXCP, GETMAIN, Overlay Supervision). The execution of many of these system-provided services is both time-consuming and serial creating bottlenecks with resultant performance degradation. The Generalized Trace Facility (GTF) component of the user's system control program provides detailed data on a variety of events occurring in a system, including supervisor calls. The GTFSSVC program accomplishes its objective by extracting and summarizing GTF trace records into a useful and manageable format.

Release notice, 6 pages, 2/76
 /////5796-PGE

G320-5676

MESSAGE SWITCHING SYSTEM, IUP 5796-AKP, 5796-AKN, NOTICE
 No abstract available.
 Flyer, 4 pages
 /////5796-AKP, 5796-AKN

G320-5679

DOS/VS PERFORMANCE TOOL, IUP 5796-PGK, NOTICE
 DOS/VSPT is a software monitor that measures the performance of an existing IBM system operating under DOS/VS. It uses both statistical sampling and event tracing to record system status on an output data file. This data is used later to produce a series of reports on both hardware and software performance during selected time intervals.

HIGHLIGHTS

- o Reporting includes:
 - CPU utilization
 - Real main storage occupancy and paging
 - Channel utilization and overlap with the CPU
 - Device utilization and queueing
 - DASD seek analysis
- o Analysis by partition includes:
 - Deactivation
 - Real main storage occupancy
 - DASD seek analysis

Release Notice

/////5796-PGK

G320-5680

VS1 PERFORMANCE TOOL, IUP 5796-PGL, NOTICE
 This notice announces release of VS1PT, a software monitor that measures the performance of an existing IBM System/370 running OS/VS1. It uses both statistical sampling and event counting to record selected system status information. At requested intervals, the accumulated information is placed on an output data set. Subsequently, reports can be generated to evaluate overall performance during the entire monitoring period or to analyze in detail any specific areas of concern.

Highlights

- o Monitoring selectively includes:
 - o CPU utilization and queueing
 - o Real main storage occupancy and paging
 - o Program module usage
 - o Supervisor calls
 - o Channel utilization
 - o Device utilization and queueing
 - o DASD seek analysis
 - o System data set utilizations (SVCLIB, LINKLIB, SYSPPOOL and PAGE)
- o Analysis by partition includes:
 - o Virtual storage assignment and deactivation
 - o CPU utilization and queueing
 - o Real main storage occupancy
- o Time plots of activity for selected major resources are provided to show system performance variations over extended time periods.
- o Selected internal reports are available for in-depth analysis of specific system resources.

Flyer, 8 pages

/////5796-PGL

G320-5681

SVS PERFORMANCE TOOL, IUP 5796-PGN, NOTICE
 This notice announces release of SVSPT, a software monitor that measures the performance of an existing IBM System/370 OS/VS2 SVS. It uses both statistical sampling and event counting to record selected system status information. At requested intervals, hardware and software performance reports are generated and placed on an output data set. Subsequently, reports can be selected to evaluate overall performance during the entire monitoring period or to analyze in detail any specific areas of concern.

Highlights

- o Monitoring selectively includes:
 - o CPU utilization and queueing
 - o Real main storage occupancy and paging
 - o Program module usage
 - o System resource ENQUEUE and supervisor calls
 - o Channel utilization and overlap with the CPU
 - o Device utilization and queueing
 - o DASD seek analysis
 - o System data set utilizations (LINKLIB, JOBQUE, PAGE)

o Analysis by job and job step includes:

- o Elapsed execution time
- o CPU utilization and queueing
- o Real main storage occupancy
- o Time plots and a time scaled summary report of activity for selected major resources are provided to show system performance variations over extended time periods.
- o Selected interval reports are available for in-depth analysis of specific system resources.

Flyer, 12 pages

/////5796-PGN

G320-5684

DISKETTE SORT PROGRAM, IUP 5796-PGJ, NOTICE

This document contains information on use of the Diskette Sort Installed User Program which enables users of the IBM DOS/VS Sort/Merge Program, 5746-SM1, to sort diskette files without first having to copy them onto tape or disk.

Highlights:

- o It provides a generalized Sort/Merge E15 exit routine to DOS/VS diskette users.
- o It provides improved performance to those sort users that need to sort diskette files, since the copying pass from diskette to tape or disk is no longer required.
- o It will dynamically determine the record length of the diskette records to be sorted.
- o The programming symbolic unit number used in conjunction with this program is determined at installation time and can be chosen such that no conflicts occur with the particular installation's standards.

Release Notice, 4 pages, 5/76

/////5796-PGJ

G320-5686

BATCH TERMINAL SIMULATOR II, IUP 5796-PGT, NOTICE

This document contains information on use of Batch Terminal Simulator II (BTS II), a Productivity Aid for Application Program Testing under IMS/VS Version 1.1.1 and subsequent releases. BTS II is a terminal simulator that allows online IMS/VS application programs to be tested in an IMS/VS batch environment without the use of teleprocessing hardware. Extensive debugging facilities enable the BTS II user to test batch applications as well as those intended to run in a teleprocessing environment. BTS II supplies information about each transaction or message as it progresses through the IMS/VS system. It provides IMS/VS users with a comprehensive means of checking and debugging:

- o application program logic
- o IMS/VS interfaces
- o teleprocessing activity
- o 3270 format control blocks
- o data base activity

BTS II is a new product based upon BTS/VS with the 3270 Formatting Feature and released with an extended support period and significant enhancements. It is fully upward-compatible with BTS/VS and the 3270 Formatting Feature.

Release Notice, 6 pages, 5/76

/////5796-PGT

G320-5687

CICS/DOS/VS PROOF OF DEPOSIT AND TRANSIT SYSTEM, 3890 FEATURE, HOUSTON NATIONAL BANK, NOTICE - IUP 5796-AKW, 5796-AKT, 5796-AGA

This notice announces release of IUP 5796-AKW, which, will allow one 3890 to run under CICS/DOS/VS. Microfilming, item numbering, endorsing, and merge feed are supported. The 3890 image processing capability is used for document flow control through the system. The 1419 is used to provide backup for the 3890.

Prerequisites to this program are:

- o The Houston National Bank Proof of Deposit and Transit System - IUP 5796-AGA
- o Enhancements - IUP 5796-AKT
- o 3890 DOS/VS Application/Installation Support - FDP 5798-BDC
- o 3890 DOS/VS Offline Fine Sort - FDP 5798-CFD
- o DOS/VS Sort/Merge 5746-SM1
- o Customer Information Control System for DOS/VS - PROG PROD 5746-XX3

Release notice

/////5796-AKT, 5796-AKW

G320-5691

BATCH MONITOR FOR VM/370 CMS IUP 5796-PGZ, NOTICE

This program allows a VM/370 CMS terminal user to direct jobs which do not require conversational supervision to one of four virtual "batch" machines. The major highlights of the program include: terminal user inquiry into "batch" machine workload, class and priority scheduling of batch jobs, system workload balancing, and extensive control and restart facilities. The major potential benefit to a user of this program is increased CMS terminal user productivity.

Release notice, 4 pgs

/////5796-PGZ

G320-5697

DL/I BATCH MONITOR FOR DOS/VS, IUP 5796-AKY, NOTICE

This Availability Notice contains complete ordering information for the 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.

This IUP is a productivity aid which helps the DL/I DOS/VS Application Programmer test and debug DL/I batch programs. In addition, it provides the Data Base Administrator/Systems Programmer with a means to audit data base calls issued by these programs, and to evaluate program performance. The objectives of this IUP are to reduce the time required to implement DL/I batch application programs, and to help in tuning the DL/I DOS/VS batch system.

This IUP supports only DL/I DOS/VS data bases which use VSAM (DL/I Entry is not supported). The IUP supports DL/I

application programs written in Assembler, COBOL and PL/I.
Flyer, 6 pages
/////5796-AKY

G320-5702

CATALOG OF LANGUAGE AND SORT PROGRAM PRODUCTS OS, DOS
VM/370, CMS
No abstract available.
Manual, 60 pages

G320-5708

VS APL FOR TSO, IUP 5796-ALB, NOTICE
VSAPL for TSO, Installed User Program 5796-ALB, is a TSO command processor written in Assembler Language which interfaces the VSAPL Program Product (5748-APL) to TSO and has been tested under MVS 3.6, and MVT 21.7. All of the VSAPL interpreter functions are available to the user without modification. All TSO functions defined for use by a Command Processor are unchanged by the addition of this IUP and become available to the APL terminal. VSAPL terminals which are supported include the IBM 1050, 2741, 3270 with Data Analysis feature, 3767, 5100 as well as bit-pairing and typewriter-pairing ASCII APL terminals. The VSAPL program product is a prerequisite and must be ordered separately.
Release Notice
/////5796-ALB

G320-5710

TESTING AND DEBUGGING ONLINE WITH CICS/VS,
IUP 5796-AHJ, NOTICE
CICS/VS Online Test/Debug provides a programmer with the facilities to test and debug CICS/VS application programs under CICS/VS by entering command statements via a 3270 Information Display System. The features include the ability to display any location in main memory of the machine, alter any location within the CICS/VS job step boundaries, stop the execution of a specific CICS/VS task at a specific address within an application program, immediately update or display file records (ISAM, BDAM, VSAM and DL/I), and open or close files online. In effect, this program allows a programmer with access to a 3270 the ability to "console debug" programs without interrupting normal installation operations.
Availability notice
/////5796-AHJ

G320-5713

JES3 MONITORING FACILITY IUP 5796-PHR, NOTICE
The JES3 Monitoring Facility (JMF) Installed User Program provides the MVS/JES3 user with information on the activities and resource utilization of JES3. This information can be used to evaluate the performance of an existing MVS/JES3 system and to understand the impact of particular JES3 functions on the entire system. Used on a regular basis, JMF can assist in identifying changes in the JES3 environment which effect overall JES3 performance. Such information may also be useful in planning for future growth of the system.
Release Notice
/////5796-PHR

G320-5714

SMF JOB DATA COMPRESSION AID IUP 5796-PHN, STORAGE DEVICE
MIGRATION AID IUP 5796-PHP, NOTICE
This Availability Notice contains complete ordering information for the 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.
The Job Data Compression Aid (JDCA) IUP (5796-PPN) and its companion, the Storage Device Migration Aid (SDMA) IUP, (5796-PHP) are tools designed to help OS or OS/VS installations manage their tape, DASD, and Mass Storage System (MSS) configurations.
JDCA produces a base file of edited and reduced System Management Facilities (SMF) data. This base file can be used by SDMA. Consequently, JDCA is a prerequisite for SDMA. But, the JDCA base file data can also be rearranged by sorting and including in detailed or summary reports by IBM personnel using IBM Marketing Aid 1 (MA/1) or by user written applications. In this latter case, JDCA can simplify the task of processing SMF's variable length records.
JDCA provides a number of useful options for controlling the data included in the base file. It also provides Summary reports for estimating the validity of the SMF data processed. JDCA can process SMF data from up to 9 OS or OS/VS systems.
The Storage Device Migration Aid (SDMA) IUP generates a series of reports from the base file created by the Job Data Compression Aid (JDCA) IUP (5796-PHN). These reports include information about data sets and jobs. The information in the reports can be custom tailored by use of one or more filters. The filters enable the installation to study the specific data sets and jobs of interest.
JDCA and SDMA are designed to simplify migration to a new I/O configuration but they can also be used for other purposes. They can help you and your customer:
o Detect the need for I/O configuration upgrades
o Determine the changes to be made
o Plan migration to the new configuration

o Monitor the progress of migration
o Estimate the date of the next I/O configuration upgrade
o Monitor compliance with installation standards
o Improve system performance by optimizing data set placement and characteristics
JDCA and SDMA, if used together, provide the customer with many of the functions supported by IBM Marketing Aid 1 (MA/1). In addition, new reports are included that simplify detailed migration planning.
Users of these IUPs will be able to keep all of the reports produced and use them freely for their own purposes. These IUPs will enable your customer to get involved with I/O configuration studies at an early date and assume the primary responsibility for processing the data and analyzing results.
Release Notice, 8 pages, 4/77
/////5796-PHN,5796-PHP

G320-5716

VSAM CATALOG LIST, NOTICE, IUP 5796-ALQ, -ALR
This Availability Notice contains complete ordering information for the 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.
The VSAM Catalog List was developed to produce concise VSAM catalog status reports which provide summary data essential for monitoring day-to-day VSAM space utilization requirements. It is designed to be used as a replacement for the catalog listings produced by the VSAM catalog utility, IDCAMS.
Release Notice
/////5796-ALQ,5796-ALR

G320-5719

TSO/IQRP INTERFACE - IUP 5796-PHZ, NOTICE
The TSO Interface to IQRP, Installed User Program 5796-PHZ, provides the end user in a TSO environment with access to the Interactive Query and Report Processor (IQRP), IUP 5796-PDG.
The TSO Interface to IQRP operates as an independent TSO transaction. Since each TSO user obtains a unique copy of IQRP, multiple IQRP transactions can be processed concurrently. Controls have been established to preserve file integrity when file update transactions are processed. The end user may retain reports with or without their headings for subsequent processing.
Release Notice, 4 pgs, 2/77
/////5796-PHZ

G320-5727

GIS AND GIS/VS LIBRARY MAINTENANCE PROGRAM -
IUP 5796-ANG, NOTICE
This Availability Notice contains complete ordering information for the 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.
The GIS and GIS/VS Library Maintenance Program Installed User Program 5796-ANG, aids an installation in the management of its GIS library data sets.
Many GIS and GIS/VS users have found that maintenance of their GIS.LIB data set presents difficulties. The directory of this partitioned data set often gets filled or an excessive number of members use the space allocated to the data set thus causing systems termination. Many of the members and directory entries are unnecessary, because GIS.LIB modules from multi-step jobs remain on the library when an earlier step fails to complete. Others were once intentionally saved but were not deleted when their counterpart GIS.LIB members were deleted.
The job of cleaning up this PDS is further compounded by the problem of identifying from whom or for what reason the members have been kept. The purpose of this self-scheduling IUP is to automate the determination and deletion of GIS library and directory entries which are no longer valid. The program prepares a listing indicating which members of GIS.LIB are to be retained and which members are marked for deletion. This provides an audit trail prior to the execution of IEBCOPY to reorganize and to compress GIS.LIB.
Release notice, 4 pgs, 3/77
/////5796-ANG

G320-5728

CMS EXEC LANGUAGE EXTENSIONS, IUP 5796-PJA, NOTICE
This document announces release of CMS EXEC Enhancements, Installed User Program 5796-PJA, designed to provide additional functions to expand the usefulness of the VM/370 CMS EXEC language. It is a standard CMS command module which runs in the transient area and allows the EXEC writer to:
1. Perform multiplication, division, and residue operations as addition and subtraction.
2. Obtain current date and time in EXEC variables.
3. Obtain read or virtual device type information.
4. Search a file in a specific column for a particular character string.
5. Search a list of values for a particular value.
6. Determine if a member is defined in a library and obtain the starting record number of the member in the library and the size of the member.
7. Obtain the values of specific parameters or options from the EXEC argument list and supply default

- values if no value was provided.
8. Obtain the value of an option which follows a specific keyword and supply a default if the keyword is not in the option list.
9. Return the values of local EXEC variables to the next higher level.
10. Punch, stack, or type data which contains a specific number of embedded blanks and strings greater than 8 characters.
11. Read any record in a CMS file into EXEC variables.
12. Place a CMS file on the console stack.
13. Obtain data from the File System Table when only part of the file ID is known.
14. Obtain virtual machine user ID or system level number.
15. Set global EXEC variables which may be accessed from command to command.

Release Notice, 4 pgs, 2/77
 /////5796-PJB

G320-5729

FORTRAN INTERACTIVE SUBROUTINE LIBRARY, IUP 5796-PHT, NOTICE
 The FORTRAN Interactive Subroutine Library (FISLIB) consists of a set of FORTRAN callable subroutines which can be used by a FORTRAN programmer to give more flexibility to interactive FORTRAN programs. FISLIB is used where the interaction of human decision making ability with the computer program is essential to permit users to choose between alternatives at key points during program execution. The interactive program produced can be run under: VM/CMS; any of the TSO options - OS/MVT, OS/SVS or OS/MVS; VS/PC FORTRAN; or DOS FORTRAN F utilizing the operating console.

The subroutines written in FORTRAN are designed to be system independent. They provide a simplified method of allowing the terminal program user to: specify program functions to be executed; specify parameters to be varied, reset or incremented; use a comprehensive desk calculator mode for intermediate computations; create procedures, a series of commands, executable by procedure name.

Release notice, 4 pgs, 2/77
 /////5796-PHT

G320-5741

DISK WORK FILE MANAGER FOR DOS/VIS - IUP 5796-ANK, NOTICE
 This Availability Notice contains complete ordering information for the 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.

This IUP helps provide partition independence to DOS/VIS users by dynamically allocating disk work files from pools of disk space which are internally maintained for each partition. A user may specify one or more pools for each partition, a pool of space assigned to one partition cannot be shared with other partitions. Typically requiring 2K bytes in the shared virtual area, this IUP handles program requests for disk work files by intercepting and modifying incoming job control statements. In this manner, the same job (and same JCL) running in two different partitions will automatically be assigned different temporary disk space areas.

Release Notice, 4 pages, 3/77
 /////5796-ANK

G320-5742

MASS STORAGE CONTROL TABLE MAINTENANCE PROGRAM, NOTICE, IUP 5796-PHY

Proper operation of the IBM 3850 MSS is possible only if data in the MSC's Table Data Sets is valid. The purpose of the Mass Storage Control Table Maintenance Installed User Program is to help the system programmers maintain this important data set. The program provides an interactive conversational approach for maintenance of the MSC Table Data Sets. It can substantially reduce the time required to perform system programmer and operator functions including queries regarding operational status, problem diagnosis and performance of corrective actions.

The Mass Storage Control Table Maintenance Program executes under TSO or with a TCAM interface. It can be used from the operators console to query status of the system via MSC table analysis. It can also be used in a Display Only mode or for Display and Update. All actions taken and associated output are logged to provide an audit trail.

Flyer, 8 1/2 x 11 inches, 4 pgs, 3/77
 /////5796-PHY

G320-5746

TSO/MSS ARCHIVER RELEASE NOTICE, IUP 5796-AJK
 TSO users tend to need more and more space for storing their permanent data as time progresses. On the other hand, at any particular point in time, they are working with a relatively small subset of this data. In other words, the data falls into one of two categories: active or inactive. These categories may be thought of as hierarchies of storage: Level 1 (active) and Level 2 (inactive).

When specifying the media for storing these two hierarchies, a TSO user has traditionally used real DASD for both levels. Some have used tape for Level 2 but waiting for tapes to be retrieved and mounted is non-productive and costly. Furthermore, no systematic way of transferring data between the levels was supported by IBM.

IBM's new 3850 Mass Storage System has created an opportunity to significantly reduce the time needed to

retrieve and mount tape data sets. And, the TSO/MSS Archiver IUP bridges the gap between TSO and the MSS by providing the TSO user with a systematic way of keeping his inactive Level 2 data on MSS cartridges and retrieving that data from Level 2 with minimal delays. The TSO user and his installation, therefore, benefit from the lower storage costs inherent in the 3850 MSS. The installation savings can help justify 3850 MSS.

Release Notice
 /////5796-AJK

G320-5753

IMS SPACE MANAGEMENT UTILITIES II, NOTICE, IUP 5796-PJJ
 This Availability Notice contains complete ordering information for the 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.

The IMS Space Management Utilities II IUP is a new product based upon its predecessor IMS Space Management Utilities (5796-PFW) and released with an extended support period and significant enhancements.

The IMS Space Management Utilities II IUP can improve system performance and programmer productivity. It is designed to assist in managing OS/VIS and IMS/VIS data space, to detect and report IMS hierarchical direct (H.D.) pointer discrepancies, to provide statistics and information for H.D. tuning and to assist with segment restructuring and reloading during data base reorganization. It incorporates all the functions of the original IMS Space Management Utilities and significant enhancements have been made to the H.D. Pointer Checker Utility and the Data Space Monitor Utility. A new utility, HDAM Physical Block Reload has been added.

Release notice, 8-1/2 x 11 inches, 6 pgs, 5/77
 /////5796-PJJ

G320-5754

DBPROTOTYPE II, IUP 5796-PJK, NOTICE

This Availability Notice contains complete ordering information for the 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.

DBPROTOTYPE II provides a powerful and flexible tool for IMS/VIS data base design and evaluation. It is a new product based on the DBPROTOTYPE/VIS (5796-PCS) IUP with significant functional and usability enhancements and is upward compatible. Major enhancements include:

Capability for estimating data base space requirements demand prior to loading a data base

Application modeling in COBOL and PL/I via callable subprograms and in assembler via macros which may be executed as MPPS

Extend support of logical parent concatenated keys as IMS/VIS sequence fields for logical child segments

Extended support of bi-directional logical relationships with physical pairing

Elimination of fixed format class card input by processing the source IMS/VIS DBD with keyword override and additions

Pre-requisite program product is IMS/VIS Version 1.0.1, 1.1.1, 1.1.2, 1.1.3, or later.

This IUP is offered with extend support. The significance of offering and IUP with extended support is explained in the Sales Manual (GI 17.1).

Release notice, 8 1/2 x 11 inches, 12 pgs, 5/77
 /////5796-PJK

S320-5767

IMS/VIS PRIMER

This manual is designed for the first time user of IMS/VIS (program product 5740-XX2). It provides systems analysts, system programmers, and application programmers with the information necessary for the design, installation and operation of initial applications using the data base/data communications facilities of IMS/VIS. This volume obsoletes S320-5767-0 and ZZ10-9819.

VTAM/3270 is included in recent updates.
 Manual, 452 pgs, 2/77

S320-5768

IMS/VIS PRIMER APPENDIXES

This manual is a major revision of S320-5768-0 and is to be used with the IMS/VIS Primer S320-5767. It contains a listing of the IMS/VIS Sample System referenced in the IMS/VIS Primer, including source programs, job control language and selected output.

VTAM/3270 is included. For use by SE or customers installing IMS/VIS. Recommended publications are:

IMS/VIS Primer, S320-5767
 IMS/VIS Primer Operating Guides S320-5769.

Manual, 156 pgs, 6/77

S320-5769

IMS/VIS PRIMER OPERATING GUIDES - PROG PROD 5740-XX2

This manual is to be used with the "IMS/VIS Primer" (S320-5767). It contains a comprehensive sample master terminal guide for the IMS/VIS subset defined in the IMS/VIS primer and a representative remote terminal operating guide.
 Manual, 156 pgs, 1/77

G320-8088

CICS ON-LINE TEST/DEBUG FOR CICS/OSS, CICS/DOSS & CICS/DOSE: CON EDISON, IUP 5796-AEF NOTICE
CICS On-Line Test/Debug provides the programmer with the facilities to test and debug application programs or user files while CICS is operating by entering command statements via a 3270 Information Display System. The features include the ability to display and location in main memory of the machine, alter any location within the CICS job step boundaries, stop the execution of a specific CICS task at a specific address within an application program, display and alter storage records on any data set available to the CICS job step, immediately update changes made to storage records on file, and open or close files on-line. In effect, this program provides a programmer with access to a 3270 the ability to "console debug" programs without interrupting the normal operation of your installation.
Flyer, 4 pages
/////5796-AEF

G320-8089

CICS/COBOL CALL INTERFACE FOR CICS/OSS CICS/DOSS & CICS/DOSE: NATIONAL BANK OF DETROIT, IUP 5796-AEG NOTICE
Current users of the Customer Information Control System (CICS) who are writing application programs in ANS COBOL usually write Assembler Language macros in their application programs. This procedure requires the use of the CICS Preprocessor Program and two compilations of the program, one for the Assembler Language macros and one for the COBOL. This program provides a COBOL/CICS interface technique which eliminates the use of the CICS Preprocessor Program and makes the writing and debugging of ANS COBOL/CICS application programs considerably easier. The system consists of 12 modules, one for each of the CICS management functions, and a Resident Interface Module. When the COBOL application programmer requires a CICS service, rather than write an Assembler Language macro, he simply codes a predefined COBOL CALL statement passing a list of parameters depending upon the service requested. The tested CICS macro is then issued in the subsequently called CICS Service Handler and control is returned to the requesting COBOL program upon completion of the CICS service.
Flyer
/////5796-AEG

G320-8099

3270 SCREEN IMAGE PROCESSOR FOR IMS AND IMS/VS - IUP 5796-AFC, RELEASE NOTICE
The Screen Image Preprocessor is a productivity aid which simplifies the design and implementation of IMS/3270 applications. Each 3270 screen format added to an IMS system necessitates the preparation of many detailed control statements as input to the Message Format Language Utility. Using a single control statement and only one card image for each line to be represented on the screen, the Preprocessor generates the required IMS input statements. Each line of the screen image is coded exactly as it is to appear on the 3270 screen. Field control information (attribute bytes), which do not appear on the actual screen but occupy one screen character position at the beginning of each field, must also be coded to specify the desired field types. The Preprocessor output includes a printed representation of the screen layout in addition to generated control statements which may be printed or passed to the Utility.
Flyer
/////5796-AFC

G320-8106

2927 DUAL PRINTER UTILITY PROGRAM - IUP 5796-AFK, RELEASE NOTICE
This IUP supports two IBM 1403 NI printers connected to the IBM 2927 Tape to Printer RPQ. The RPQ with this IUP provides for high volume production printing for direct mail addressing, labeling, letter writing and premium notice printing at low cost. Each printer is operated independently of the other. Tapes are prepared in previous operations in the desired format. Two volumes of a multi-volume file or two separate jobs operate simultaneously. This program will not run on the IBM 2927 single printer model. FDP 5798-ARH as described in GB21-0610 provides comparable support for the single printer model.
Flyer
/////5796-AFK

G320-8107

DOS DBDUMP UTILITY PROGRAM PRODUCTIVITY AID FOR DOS DATA BASE APPLICATION PROGRAM TESTING (VANDL/I OR DL/I) INSTALLED AT SAGNER INC., FREDERICK, MD.
This flyer contains highlights of the DOS DBDUMP Utility Program, an Installed User Program in use at the Sagner Inc., Frederick, Maryland.
Flyer, 4 pages
/////5796-AFY

G320-8111

3525 GENERAL PURPOSE UTILITIES, IUP 5796-AGE, NOTICE
This document describes for potential customers use of 3525 General Purpose Utilities for System/370.
This IUP consists of four programs:

1. A program for interpreting anywhere on a card. Control cards specify print location and source

2. data location.
A program that prints up to 64 characters from a source to a data card. Data cards can be punched or blank.
3. A program by which data is posted from a detail card to a specified location on a master card. For example, employee hours worked could be posted weekly to an employee year-to-date card. The program assumes that the master card immediately follows the detail card. A master-detail card pair is defined by equal information in a specified control field in both cards. The program is able to ignore an incomplete pair or halt on an incomplete pair.
4. A multi-phase program to reproduce cards, interpret cards, gangpunch into cards, and/or insert sequence numbers. Multiple operations, for reproduce, gangpunch, and insert sequence numbers, can be done in a single run. For this, program control cards are submitted for each function requested, and repro requests will override gangpunch request for conflicting field definitions. An additional feature of this program is the ability to gangpunch a specified number of cards.

Release notice, 4 pages, 1/75
/////5796-AGE

G320-8114

3270 SUPPORT UNDER TSO, IUP 5796-AGH, NOTICE
This document contains information on use of Full Screen 3270 Support for PL/I and Assembler Application Programs under TSO, a multifunction and multipurpose subroutine. It provides an interface between the IBM 3270 Information Display System and PL/I or Assembler programs running under TSO. The IUP provides convenient, meaningful access to all the features of the IBM 3270, and isolates the programmer from the many intricacies of the device while still allowing complete control over every aspect of the terminal. Coupled with TSO, Full Screen 3270 Support for PL/I and Assembler Application Programs under TSO allows true interaction between a running program and a user at an IBM 3270 display terminal.
Release Notice, 4 pages, 10/75
/////5796-AGH

G320-8120

VM/370 SYSTEM FOR ONLINE TAPE AND DISK LIBRARIES - IUP 5796-AGN, NOTICE
The VM/370 System for Tape and Disk Libraries is an IUP for the control of user tape and disk libraries. It works online under CMS with commands to control the assignment and accounting for user volumes. The system operator can add, delete, and modify a record associated with a particular mountable volume. It can make a large pool of tapes and disks accessible to a large number of time sharing users by providing the storage location and accounting information available online. The benefits are improved data security, quicker location of volumes, quicker response to mount commands, automatic bookkeeping and improved system control. This Availability Notice contains complete ordering information for the 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.
Release Notice
/////5796-AGN

G320-8124

DOS TO OS CONVERSION SYSTEM - IUP 5796-AFZ, NOTICE
The DOS to OS Conversion System IUP automates the conversion process for JCL, COBOL, RPG, SORT and some utility programs. DOS JCL and DOS programs are displayed side by side with their OS equivalents. The OS equivalents are punched with JCL ready for compilation and cataloging for testing. COBOL D programs are processed by the Language Conversion Program to bring them to the ANS COBOL level before conversion. COBOL programs with End of page indicators are modified for handling of the carriage control tape. ALL CALL subroutines are identified for further resolution. DOS RPG FILENAMES are converted to OS RPG DDNAMES through the use of cards provided during the conversion process. All SORT Control Cards are handled automatically. A management report is provided as part of the process which shows the status of the conversion on a dynamic basis.

The Envirotech Corporation converted 1,200 routines to OS/VS from four geographically separated divisions while consolidating their operations at Salt Lake City, Utah. They did this with one system programmer and three part-time clerical personnel in six months through the use of the Conversion System. They estimate that two-thirds of all time and effort were saved over manual alternatives.

This Availability Notice contains complete ordering information for the 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.
Release Notice
/////5796-AFZ

G320-8127

SMF GRAPHICAL ANALYSIS PROGRAM, IUP 5796-AFP, NOTICE
This Availability Notice contains complete ordering

information for the 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.

The SMF-Graphical Analysis Program is designed to bridge the gap between the detailed accounting data provided by the OS or VS System Management Facilities (SMF) and the high-level, easy-to-read summarized reports required by data processing management.

SMF-GAP consists of three PL/I "structured programs" which process the raw SMF provided by MFT, MVT, VSI, and VS2 (with or without HASP-V4). Nine reports are produced, containing four tabular listings, one two-part chart, three detailed histograms, and seven summary histograms.

In addition, a reformatted SMF data set is produced which can be read by user-written programs to provide accounting or other specialized reports. The records in this data set are compatible with PL/I, Assembler, or COBOL. Availability Notice, 6 pages
 /////5796-AFP

G320-8137

DOS/VS 2560 SORT, IUP 5796-AGX, NOTICE
 NO abstract available.
 Flyer, 4 pages
 /////5796-AGX

G320-8138

EXTENDED COBOL SORT, IUP 5796-AGZ, NOTICE
 This document contains information on use of the Extended COBOL Sort which provides the COBOL installation with sorting and merging power never before available. It increases sort capacity to either 16 or 32 times normal. Thus the programmer need no longer be concerned about the hardware availability or the volume of data to be expected during actual production.
 Extended COBOL Sort's merge-simulation feature simplifies the merging of files in a COBOL program. The programmer uses a language compatible with the proposed ANSI standard MERGE statement, and a true merge can be executed in a COBOL program.
 Release Notice, 4 pages, 9/75
 /////5796-AGZ

G320-8141

IMS/VS LOGTAPE MANAGEMENT SYSTEM, IUP 5796-AHT, NOTICE
 This document contains information on use of the Logtape Management System (LMS), installed at Minnesota Mutual Life Insurance Co. in St. Paul, Minnesota. LMS is designed to automate the assignment and recordkeeping of IMS system logtapes. It maintains information which it will use to generate JCL and control statements for IMS accumulation and/or recovery utilities. Automation of these functions eliminates existing problems of manually maintaining information and creating JCL for IMS utilities.
 Release Notice, 4 pages, 10/75
 /////5796-AHT

G320-8142

TCAM/VIDEO 370 INTERFACE, IUP 5796-AHR, NOTICE
 This document contains information on use of the TCAM/VIDEO-370 Interface, a TCAM application program which enables the user to have VIDEO-370 (5734-RC5) execute as an application using TCAM as the TP access method instead of BTAM. All VIDEO-370 functions are supported without change. The TCAM-370 functions are supported without change. The TCAM/VIDEO-370 Interface capability is in operation at The Connecticut Bank and Trust Company in Hartford, Connecticut.
 Highlights:
 o Terminal Sharing - the ability to access multiple applications under TCAM
 o Enable TCAM users to run VIDEO-370 under one common TP access method, thus reducing system and maintenance requirements
 o Display VIDEO-370 users at the console
 o Master console message when a VIDEO user signs on or off
 o Cost savings on terminals associated with terminal sharing capability
 Release Notice, 4 pages, 12/75
 /////5796-AHR

G320-8146

COBOL MAINTENANCE AND DOCUMENTATION AID, IUP 5796-AHY, 5796-AHZ, NOTICE
 This document contains information on use of the COBOL Maintenance and Documentation Aid (CMANDOCO), a productivity tool that is an adjunct to the top-down development and structured programming techniques of today. CMANDOCO was written by the International Playtex Company to fulfill their need for better detail-level documentation and to help reduce the cost of preparing, maintaining, and storing that documentation.
 Release Notice, 6 pages, 12/75
 /////5796-AHY, 5796-AHZ

G320-8149

SVS/MVS SYSTEM IMPACT ANALYSIS, IUP 5796-AJF, NOTICE
 No abstract available.
 Flyer, 12 pages

/////5796-AJF

G320-8150

IMS 3270 LOCAL COPY, IUP 5796-AHL, NOTICE
 This document contains information on use of the IMS 3270 Local Copy IUP, which provides a hard copy facility for printing 3270 displays on locally attached components of the IBM 3270 Information Display System. It provides a function similar to that currently available for remote IBM 3270 terminals.
 Release Notice, 4 pages, 1/76
 /////5796-AHL

G320-8153

GENERALIZED DOS/VS FILE MAINTENANCE SYSTEM, IUP 5796-AJJ, NOTICE
 No abstract available.
 Flyer, 8 pages
 /////5796-AJJ

G320-8155

DATA ENTRY CONTROL AND AUDIT SYSTEM, IUP 5796-AKC, NOTICE
 This document describes for potential customers use of the Data Entry Control and Audit System, which provides:
 o Visibility into content of cards, tapes and diskettes
 o Labeling of all input records
 o Journal of input data transactions
 o Media-independent input to application programs via "Include" feature of POWER/VS
 o Extraction of selected records from journal with a choice of media
 o Economical storage of historical data
 o Ability to back out faulty batches of data
 o Establishment and recomputation of transaction counts
 The system was developed to meet four goals: (1) facilitate transition to and operation on use of the diskette data entry media, (2) provide an input control system to support multiple remote input operation, (3) provide an auditing and backup system, and (4) provide an archival system for economical storage of historical data.
 Release notice, 4 pages, 4/76
 /////5796-AKC

G320-8156

DOS/VS DBDUMP UTILITY PROGRAM, IUP 5796-AJE, NOTICE
 This document contains information on use of the DOS/VS DBDUMP Utility Program, which provides the users of DL/I DOS/VS (Data Language/I DOS/VS), DL/I Entry (Data Language/I Entry), and VANDL/I (Vancouver Data Language/I) with the ability to access, display, and optionally change data bases. Implementation time in testing data base applications can be saved by:
 o Displaying data bases to verify change activity without additional programming
 o Scanning for the presence of segments and listing them for content verification
 o Changing data contained in segments to correct errors generated by an application program error
 Major features:
 o Lists entire data base
 o Lists selected data base records
 o Lists selected segments only
 o Scans for data within a segment
 o Updates information in a segment
 Release Notice, 4 pages, 11/75
 /////5796-AJE

G320-8157

IMS/VS HDAM RANDOMIZING ALGORITHM ANALYZER, IUP 5796-AJL, NOTICE
 This document contains information on use of the IMS/VS HDAM Randomizing Algorithm Analyzer, which takes the guesswork out of evaluating the randomizing of key numbers for IMS data bases. It allows the user to see how a particular randomizing algorithm is going to perform against a set of keys without actually creating a data base. He can try as many algorithms as he wants in one run with no changes to his data bases or DBDs. If he doesn't like the result, he can make changes and try again. By having the most effective randomizing algorithm possible, transaction processing time can be reduced. Also, the need for data base reorganization may be eliminated. This IUP provides an inexpensive, easy to use, and effective evaluation tool.
 Release Notice, 4 pages, 1/76
 /////5796-AJL

G320-8159

DOSMAP - DLI, IUP 5796-PCW, NOTICE
 This document contains information on use of DOSMAP-DL/I, a logical approach to better documentation and communication related to DL/I DOS/VS data bases. DOSMAP DL/I builds and prints a pictorial layout of the data base descriptions (DBDs) and program specification blocks (PSBs) of the DL/I DOS/VS data bases. DOSMAP-DL/I should be used each time a DL/I DOS/VS data base is created or changed. The printouts can serve as a handy reference to assist in visualizing logical and physical relationships within the data base. They can act as visual aids for training, and as a recording medium to retain the historical and current status of the

DL/I DOS/VS data bases. The maps can also be used as a reference when the data base requirements of current and proposed applications are compared and evaluated.
 Release Notice, 6 pages, 12/75
 /////5796-PCW

G320-8160

DOS/VS PRE-SORT PROCESSOR, IUP 5796-AJT, NOTICE
 This document contains information on use of the DOS/VS Pre-Sort Processor. This IUP is a special purpose utility program, designed to aid in converting difficult offline card sorting operations and to prepare and change data via substitution with control cards prior to a DOS/VS disk sort. It would be particularly useful where diskette input is being considered and offline sorting operations become impossible.

This program reads cards or card images from diskette, tape, or sequential disk and builds a sort key on the front of each record. The contents of the appended sort key are established by user-supplied control cards. The control cards indicate which fields will be used to build the sort key, what sequence to use in sorting, and what exceptions will apply. The exceptions can either be substitute values for sorting purposes, or transactions to be eliminated from the input.

Release Notice, 4 pages, 1/76
 /////5796-AJT

G320-8161

VSAM DATASET SUBROUTINES, IUP 5796-AJW, NOTICE
 This document contains information on use of VSAM Access Subroutines, the purpose of which is easy access for full-function VSAM files through a variety of high-level languages. A standard CALL interface (from COBOL, FORTRAN, Assembler) to perform VSAM requests helps simplify the application programmer's job; a step-by-step installation procedure and sample program assists the first-time VSAM user by providing jobs for VSAM object definition and examples of access to key-sequenced and alternate index data sets. Comprehensive error codes and messages can isolate user or system errors. All language users can benefit from a common interface to VSAM files.

Release Notice, 4 pages, 4/76
 /////5796-AJW, 5796-AJX

G320-8166

GENERAL PURPOSE TAPE & DISK SCANS, IUP 5796-AGY, NOTICE
 This document describes for potential customers use of General Purpose Tape and Disk Scans.

Two programs are provided: one for disk scans and the other for tape scans. Input parameters to both programs are supplied on control cards. The File Description card defines the record format, disk extent or number of tape reels, and output options. The Field Select card defines the location and length of the fields to be scanned, and the user's search conditions. The programs will handle a maximum of 12 record fields with lengths of up to 15 packed decimal digits or 64 characters. Two fields within a key on disk, with lengths of up to 16 bytes each, can also be scanned. Multiple field arguments (two or more values for the same field) are permitted, and the scan arguments may be selected on an "and" or "or" relationship.

A tape, disk, and/or print file of the selected records can be produced through parameter specification. Printed output can be in hexadecimal or character format.
 Release notice, 4 pages, 4/75
 /////5796-AGY

New Abstracts

GA18-2001

IBM 3287 PRINTER COMPONENT DESCRIPTION
This manual describes the IBM 3287 Printer Models 1 and 2. The information it gives is for customer executives, system analysts, and system engineers who are aware of the application in which they plan to use the printer.

//03//3287/

GA18-2002

IBM 3287 PRINTER OPERATOR S GUIDE
This manual describes basic operating procedures of the IBM 3287 Printer for the operator. It contains an introduction, a discussion of the operating controls lights and switches, and a description of basic printer operations. Other subjects included are: preparing the printer for operation, replacing the ribbon, installing and adjusting paper forms and forms handling devices, and adjusting the print impression.

//03//3287/

GA18-2003

IBM 3287 PRINTER SETUP INSTRUCTIONS
The setup instructions are simple, step-by-step, graphically illustrated instructions for installing the IBM 3287 Printer. These instructions are written and illustrated at a level that is understandable by a person with no skills, ability, or formal training beyond those needed to operate the machine.

//03//3287/

GA18-2013

IBM 3287 PRINTER PROBLEM DETERMINATION GUIDE
This is a booklet for the 3287 Printer operator to use when the printer is not operating properly. The booklet helps the operator determine the type of problem and either how to correct the problem or to call the service representative.

//03//3287/

GA18-2017

IBM 3276 CONTROL UNIT DISPLAY STATION SETUP INSTRUCTIONS
Instructions to customer personnel for setup of a 3276 Control Unit Display Station without the help by IBM customer engineer. The customer personnel is not required to have knowledge of display stations or communication facilities.
Manual, 8 1/2 x 11 inches, 8 pages, 10/77

//09//3276/

GA18-2018

3287 PRINTER SITE PLANNING GUIDE
This site planning guide provides you with the information necessary to prepare your site for the setup of an IBM 3287 Printer.

By using these guidelines and planning ahead, you can ensure your location will be ready for the printer when it arrives. Detailed unpacking and setup instructions shipped with each printer will enable you to unpack, position, set up and check out the 3287 without the help of IBM service representatives. As a result, you will be able to use your new printer at the earliest possible date.

Manual, 8 1/2 x 11 inches, 16 pgs, 8/77

//15//3287/

GA19-5084

5230 DATA COLLECTION SYSTEM USER S GUIDE SUPPLEMENT, IN/OUT CLOCKING RPQ X95797
This publication is a World Trade addendum to the IBM 5230 Data Collection System User Guide, GA34-0040.

This manual describes the functions and operating procedures of the In/Out Clocking special feature RPQ X95797 on the IBM 5234 Time Entry Station. It is directed to programmers, operators and other users of the 5234 equipped with this RPQ and assumes that the reader is familiar with the terminology and basic operation of the 5230 Data Collection System.

Manual, 8 1/2 x 11 inches, 6 pgs, 6/77

370 //14//5230,5234//WT-ONLY

GA19-5087

IBM 3270 INFORMATION DISPLAY SYSTEM: 5914 DOCUMENT INSCRIBE USER S GUIDE, RPQ U74485 MODEL U01 - 7U0007 MODEL U02
This book tells you how to use the IBM 5914 Document Inscribe. The book tells you

- how to use the Document Inscribe to inscribe that is, print on a document,
- how to recognize that a document is printed correctly,
- and how to perform simple jobs to keep the Document Inscribe working correctly.

The book does not tell you how to operate the IBM 3277 Display Station. For this information, refer to Operator's Guide for IBM 3270 Information Display Systems, GA27-2742.

You should not need any previous knowledge of, or experience of using, a Document Inscribe to understand this book.

Manual, 8 1/2 inches, 24 pages, 09/77

//14//5914//WT-ONLY

GA19-5089

5230 DATA COLLECTION SYSTEM, DIGITAL INPUT ATTACHMENT TO 5235: RPQ X55062 - WORLD TRADE, RPQ 7S0231 - CANADA, USER S GUIDE

This publication is an addendum to the IBM 5230 Data Collection System User Guide, GA34-0040.

This manual describes the functions and operating procedures of the Digital Input Attachment special feature on the IBM 5235 Data Entry Station. It is assumed that the reader is familiar with the terminology and basic operation of the 5230 Data Collection System.

Manual, 8 1/2 x 11 inches, 26 pgs, 9/77

//14//5230,5235/

GA22-7061

IBM 3032 PROCESSOR COMPLEX FUNCTIONAL CHARACTERISTICS
This manual describes the functional characteristics and features of the IBM 3032 Processor Complex. Subjects described from the management, programmer, and operations level include:

- Basic System Description
- Processor
- IBM 3036 Console
- Channel Characteristics
- Functions

This publication should be used in conjunction with the IBM System/370 Principles of Operations, GA22-7000. The publication limits itself to the description of the IBM 3032 Processor and the IBM 3036 Console.

Manual, 8 1/2 x 11 inches, 62 pgs, 6/77

3032//01///

GA22-7062

IBM 3032 PROCESSOR COMPLEX CONFIGURATOR
This chart is a graphic representation of the IBM 3032 Processor Complex, including processor storage capacity, standard features and optional features.

Reference summary, 8 1/2 x 11 inches, 1 pg, 6/77

3032//00///

GA22-7066

IBM 3031 PROCESSOR COMPLEX FUNCTIONAL CHARACTERISTICS
This manual describes the characteristics and features of the IBM 3031 Processor Complex. It provides experienced management, programming, and operations personnel with a fundamental understanding of this processor complex. Knowledge of System/370 as provided in IBM System/370 Principles of Operation, GA22-7000, is required.

This manual summarizes 3031 processor and storage functions, channel characteristics, and the operation of the IBM 3036 Console. A glossary and index complete the manual.

Manual, 8 1/2 x 11 inches, 72 pgs, 9/77

3031//01///

GA22-7071

IBM 3031 PROCESSOR COMPLEX CONFIGURATION CHART

This chart is a graphic presentation of the IBM 3031 Processor Complex including all models of the 3031 Processor, processor storage capacities, standard features, and optional features.

Configurator, 8 1/2 x 11 inches, 2 pgs, 9/77

3031//00///

GA24-3488

FORM DESIGN REFERENCE GUIDE FOR PRINTERS

This publication contains information to be considered by personnel designing, ordering, or using forms for the system printers listed below.

This manual has two sections: general forms-design information applicable to system printers, and specific information Appendix for particular printers. The general information relates to items such as form length, width, weight, fastenings, and other forms-related items that must be considered and/or met when forms are designed for system printers. The specifications are not intended to be restrictive, but to permit the customer to purchase continuous forms from the manufacturers of his choice.

For detailed information on forms feeding and operating procedures, see the appropriate component description and operating procedures manuals for the particular printer or system.

- Companion publications useful in designing forms are:
- o OCR Input Preparation Guide, Order No. GC20-1686
 - o Print Chart Six Lines per Inch, GX20-1816
 - o Print Chart Eight Lines per Inch, GX20-1818

Another publication which is not an IBM publication but may be helpful in designing forms and for comparison purposes is International Standard ISO, 2784. Dimensions in this manual are to this standard. IBM printers included are:

1132	3211	3618
1403	3213	3713
1404	3215	3715
1443	3284	3717
2203	3286	3791 Line Printer Feature
2213	3288	3792 Line Printer Feature
2222	3610	5203
3203	3612	5213
3210		

Manual, 32 pages

//03///

GA24

GA27

GA24-3620

IBM 3895 DOCUMENT READER/INSCRIBER - MACHINE AND PROGRAMMING DESCRIPTION

This publication is a comprehensive description of the IBM 3895 Document Reader/Inscriber for system analysts, planners, programmers, system engineers, and customer engineers.

Included are descriptions of machine data flow, functions, operational principles, microfilm feature, programming information DOS/VS, OS/VS1, OS/VS2 MVS, OS/VS2 SVS, and EXCP level support, and operating controls. The reader must have an understanding of bank data processing operations.

Manual, 8 1/2 x 11 inches, 100 pgs, 9/77
//04//3895/

GA24-3633

IBM SYSTEM/370 MODEL 138 CHANNEL CHARACTERISTICS

This manual provides information needed for checking that a proposed configuration of I/O devices on the channels of IBM System/370 Model 138 will work satisfactorily. The book is intended for use in systems assurance work at the planning stages.

Procedures with examples are given for testing the effects of imposing heavy loads on the Model 138 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 block-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 Operations, GA22-6821
IBM System/370 Principles of Operation, GA22-7000
IBM System/370 Model 138 Functional Characteristics, GA24-3632

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 Models 135 and 138 Byte-Multiplexer Channel: Load Sum Worksheet, GX33-6004.

Manual, 8 1/2 x 11 inches, 116 pgs, 9/77
3138//01//

GA24-3635

IBM SYSTEM/370 MODEL 148 CHANNEL CHARACTERISTICS

This publication describes methods used to calculate System/370 Model 148 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 Library publications. These publications are listed by order number and briefly described in IBM System/370 Bibliography GC20-0001.

This manual is intended for users at the system programmer level; it assumes a thorough background in I/O programming techniques.

Manual, 8 1/2 x 11 inches, 8/77
3148//01//

GA24-3641

IBM 3895 DOCUMENT READER/INSCRIBER, INSTALLATION MANUAL - PHYSICAL PLANNING

This publication is for use by operations management and those concerned with the physical and installation requirements for the IBM 3895 Document Reader/Inscriber.

This publication describes the physical dimensions, power requirements, and operating environment for the basic 3895 and with the microfilm feature.

Manual, 8 1/2 x 11 inches, 8 pgs, 8/77
//15//3895/

GA24-3643

IBM 3896 TAPE-DOCUMENT CONVERTER INSTALLATION MANUAL - PHYSICAL PLANNING

This publication is intended for operations management and those concerned with the physical planning and installation requirements for the IBM 3896 Tape-Documents Converter.

The manual describes the physical dimensions, power requirements, and operating environment.

Associated publications: IBM 3896 Tape-Documents Converter Machine Description and Operator's Guide, Order No. GA24-3638, and IBM 3896 Tape-Documents Converter Physical Planning Template, GX24-3644.

Manual, 8 1/2 x 11 inches, 4 pgs, 1/77
//15//3896/

GA24-3645

IBM 3895 DOCUMENT READER/INSCRIBER - GENERAL INFORMATION

This publication is an introduction to the IBM 3895 Document Reader/Inscriber for persons doing systems analysis or interested in machine characteristics and operation.

Included are brief descriptions of machine data flow,

functions, operational principles, microfilm feature, operating controls, and an example application. The reader must have an understanding of bank data processing operations.

Manual, 8 1/2 x 11 inches, 32 pgs, 4/77
//04//3895/

GA24-3664

IBM 3895 DOCUMENT READER/INSCRIBER OPERATOR'S GUIDE

This publication describes the functions, operating procedures, and operator maintenance of the 3895.

It is intended for the use of bank data processing operations management and machine operators.

There are no prerequisites for the use of this manual.

Manual, 8 1/2 x 11 inches, 50 pages, 10/77

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GA26-1653

INTRODUCING THE IBM 3800 TAPE-TO-PRINTING SUBSYSTEM FEATURE AND ITS UTILITY, PROG PROD 5748-UT2

This publication provides introductory information for prospective users of the Tape-To-Printing Subsystem Feature and the Offline IBM 3800 Utility for the IBM 3800 Printing Subsystem. The intended audience is data processing managers and system analysts planning for these 3800 features, and others seeking initial information about the features. The information is presented in general terms and assumes that the reader understands the basic functions of the 3800 printer and either the 3410/3411 or the 3803/3425 magnetic tape subsystem. This publication has three main sections: 1 Introduction, briefly describes the features; 2 Tape-To-Printing Subsystem Feature, contains a brief description of the printer, tape units, configuration, and tape formats; 3 Offline IBM 3800 Utility, briefly describes the program product which includes storage requirements and operating considerations. A glossary is also included.

Manual, 8 1/2 x 11 inches, 16 pgs, 6/77
//13//3800/

GA27-2837

IBM 3270 INFORMATION DISPLAY SYSTEM CHARACTER SET REFERENCE

A compendium for all alphanumeric language keyboards and associated I/O interface codes that are presently available to support the 3270 Information Display System in both the U.S. and World Trade countries.

Manual, 8 1/2 x 11 inches, 160 pgs, 9/77
//09//3270,3271,3272,3274,3275,3276/

GA27-2839

IBM 3270 INFORMATION DISPLAY SYSTEM 3278 DISPLAY STATION PROBLEM DETERMINATION GUIDE

Problem Determination Guide for 3278 Display Station operator provides quick reference information and procedures to assist the operator in determining the cause of problems encountered in operating the 3278 Display Station. Designed to be mounted in the 3278 keyboard, using the two-sided tape on the back cover.

Manual, 1 3/4 x 10 inches, 44 pgs, 10/77
//09//3278,3274,3276/

GA27-2849

IBM 3270 INFORMATION DISPLAY SYSTEM CONFIGURATOR

This manual contains information relating to configuration of 3270 system components. It consists of various overview configuration charts showing possible configurations that can be adopted around control units. It also lists a set of detailed features and associated numbers for each component in the 3270 system.

Manual, 8 1/2 x 11 inches, 47 pgs, 9/77
//00//3270,3271,3272,3274,3275,3276/

GA27-2861

IBM 3270 INFORMATION DISPLAY SYSTEM DESCRIPTION, CONFIGURATION, AND PHYSICAL PLANNING 3274, 3276, 3278, 3287, 3289

This manual is an interim document that provides customer executives, installation managers and planners, and IBM marketing representatives with descriptions, configurations, and physical planning where applicable for functions and features that have been added to the IBM 3274 Control Unit, IBM 3276 Control Unit/Display Station, IBM 3278 Display Station, IBM 3287 Printer, and IBM 3289 Line Printer.

Manual, 8 1/2 x 11 inches, 9/77
//09//3270,3278,3287,3289,3274,3276/

GA27-2862

IBM 3270 INFORMATION DISPLAY SYSTEM RPO DESCRIPTION MULTI-FIELD IMAGE DISPLAY RPO MF3288

This document describes the Multi-Field Image Display RPO for the IBM 3277 Display Station, Model 2. This RPO enables image data to be displayed on the lower portion of the display screen.

The document contains a general description and programming information. The information in this publication supplements the information presented in the IBM 3270 Information Display System Component Description, Order No. GA27-2749.

Manual, 8 1/2 x 11 inches, 8/77
//14//3270,3271,3272,3274,3275,3276/

GA27-2865

IBM 3845 DATA ENCRYPTION DEVICE, IBM 3846 DATA ENCRYPTION DEVICE, GENERAL INFORMATION
This manual describes the IBM 3845 and 3846 Data Encryption Device in sufficient detail to enable prospective users to decide whether to use this type of data protection. Physical planning diagrams and specifications are included, as are general guidelines for the selection and distribution of key-variables.
Manual, 8 1/2 x 11 inches, 44 pgs, 10/77
//09//3845,3846/

//06//3250/

GC19-0004

IBM SYSTEM/370 INSTALLATION MANUAL - PHYSICAL PLANNING WORLD TRADE
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. Detailed cable charts are provided.
Manual, 8 1/2 x 11 inches, 222 pages, 8/76
370 //15//WT-ONLY

GA27-2869

IBM 3276 CONTROL UNIT DISPLAY STATION MODELS 11, 12, 13, AND 14 ENCRYPT/DECRYPT FEATURE #3680 DESCRIPTION
This manual provides customer executives, installation managers and planners, and IBM marketing representatives with description and configuration information for the IBM 3276 Control Unit Display Station - Models 11, 12, 13, and 14 Encrypt/Decrypt Feature =3680
Manual, 8 1/2 x 11 inches, 6 pgs, 10/77
//13//3276/

GC20-1854

A GUIDE TO THE IBM 3031 PROCESSOR COMPLEX OF SYSTEM/370
This guide presents hardware, programming systems, and other pertinent information describing the significant new features and advantages of the IBM 3031 Processor Complex. Knowledge of a System/370 processor that has EC mode and dynamic address translation capabilities is assumed. This guide is intended to acquaint the reader with the components of the 3031 Processor Complex and to be of benefit in planning for its installation.

GA27-3113

IBM 3773, 3774, AND 3775 PROGRAMMABLE COMMUNICATION TERMINALS REFERENCE SUMMARY
This reference summary contains information that is already included in the publication IBM 3773, 3774, and 3775 Programmable Communication Terminal Operator s Guide, GA27-3114, and provides a quick reference to information needed for routine operation of these terminals. For more detailed information about terminal operation, the Operator s Guide must be used.
Reference card, 5 panels
//09//3773,3774,3775/

Associated with this guide are three optional supplements describing programming systems for the 3031 Processor Complex that support a virtual storage environment. Each supplement has its own form number and must be ordered individually, if desired. The optional supplements are:
• DOS/Virtual Storage Features Supplement GC20-1756
• OS/Virtual Storage 1 Features Supplement GC20-1752
• OS/Virtual Storage 2 Single Virtual Storage SVS Features Supplement GC20-1753
• Virtual Machine Facility/370 Features Supplement GC20-1757
Manual, 8 1/2 x 11 inches, 100 pages, 9/77
3031//01//

GA27-3130

IBM 3777 MODEL 2 COMMUNICATION TERMINAL REFERENCE SUMMARY
This reference summary contains information that is already included in the IBM 3777 Model 2 Operator s Guide, GA27-3129, and provides a quick reference to information needed for routine operation of the 3777 Model 2. Use the Operator s Guide if you need more detailed information about terminal operation than is included in this summary.
Reference Summary, 8 1/2 x 3 3/4 inches, 8 pgs, 8/77
//09//3777/

GC20-1858

A GUIDE TO THE IBM 3032 PROCESSOR COMPLEX OF SYSTEM/370
This guide presents hardware, programming systems, and other pertinent information describing the significant new features and advantages of the IBM 3032 Processor Complex. Knowledge of a System/370 processor that has EC mode and dynamic address translation capabilities is assumed. This guide is intended to acquaint the reader with the components of the 3032 Processor Complex and to be of benefit in planning for its installation.

GA27-3142

IBM 3773, 3774, AND 3775 PROGRAMMABLE COMMUNICATION TERMINALS PROGRAMMER S HANDBOOK
This handbook summarizes selected reference information about the 3773, 3774, and 3775 Programmable Communication Terminals. The information was extracted from the 3770 Programmer s Guide GC30-3028, which is the authoritative source. Some of the contents are:
o 3770 Programming Statements
o Supervisor Instructions
o BSC Message Headers
o SNA FM Headers
o PVS Control Statements
o Error and Abend Codes
o Record Formats
o I/O Status Information
o Condition Codes and System Indicators
For comprehensive information, refer to the 3770 Programmer s Guide.
Handbook, 3 3/4 x 6 3/4 inches, 72 pgs, 8/77
//09//3773,3774,3775/

Associated with this guide are three optional supplements describing programming systems for the 3032 Processor Complex that support a virtual storage environment. Each supplement has its own form number and must be ordered individually, if desired. The optional supplements are:
• OS/Virtual Storage 1 Features Supplement GC20-1752
• OS/Virtual Storage 2 Single Virtual Storage SVS Features Supplement GC20-1753
• Virtual Machine Facility/370 Features Supplement GC20-1757
Manual, 8 1/2 x 11 inches, 100 pgs, 9/77
3032//01//

GA27-3143

IBM 3774 PROGRAMMABLE COMMUNICATION TERMINAL OPERATOR S GUIDE FOR PINFEED PLATEN RPQ MJ0436
Describes how to install and remove the pinfeed platen RPQ MJ0436 for the IBM 3774 Programmable Communication Terminals. It also describes how to load and align margin-punched forms on the terminals.
The publication supplements operating procedures contained in the IBM 3773, 3774, and 3775 Programmable Communication Terminals Operator s Guide, GA27-3114. Users should be thoroughly familiar with the above publication and with the operation of the 3774. Users who need more technical information on the functions and features of the terminals should refer to the IBM 3770 System Components manual, GA27-3097.
Manual, 8 1/2 x 11 inches, 12 pgs, 10/77
//14//3774/

GC20-1859

A GUIDE TO THE IBM 3033 PROCESSOR COMPLEX OF SYSTEM/370
This guide presents hardware, programming systems, and other pertinent information describing significant new features and advantages of the IBM 3033 Processor Complex. Knowledge of a System/370 processor that has EC mode and dynamic address translation capabilities is assumed. This guide is intended to acquaint the reader with the components of the 3033 Processor Complex, and to be of benefit in planning for its installation.

GA33-3035

IBM 3250 GRAPHICS DISPLAY SYSTEM INTRODUCTION
This publication provides introductory information about the IBM 3250 Graphics Display System. The information addresses
1 the graphics functions of the 3250 Graphics Display System;
2 the units of the 3250 system;
3 attachment to a System/370 I/O channel;
4 performance considerations;
5 programming support;
6 conversion of 2250 Display Unit Model 33 applications to use the 3250 system;
7 introductory installation planning information.
This publication is intended for customer executives, data processing managers, system programmers, and programmers of graphics applications.
Manual, 8 1/2 x 11 inches, 68 pgs, 8/77

Associated with this guide are three optional supplements describing programming systems for the 3033 Processor Complex that support a virtual storage environment. Each supplement has its own form number and must be ordered individually, if required. These optional supplements are:
o OS/Virtual Storage 1 Features Supplement GC20-1752
o OS/Virtual Storage 2 Single Virtual Storage SVS Features Supplement GC20-1753
o Virtual Machine Facility/370 Features Supplement GC20-1757
Manual, 100 pgs., 7/77
3033//01//

GC22-7067

3033 PROCESSOR COMPLEX FLOOR CUTOUT AID
Grid layouts to be used by IBM customers or IBM Installation Planning representatives in preparing the computer room floor for installation of the IBM 3033 Processor Complex. Publication consists of four grid layouts and necessary instructions.
Manual, 8 1/2 x 11 inches, 8 pgs, 7/77
3033//15//

SC23-0003

SYSTEM PROGRAMMING LIBRARY: NETWORK JOB ENTRY FACILITY FOR JES2, PROG PROD 5740-XR8
Program Product 5740-XR8 - NJE for JES2 - includes all of the functions provided by current releases of Job Entry

SC23

GC26

Subsystem 2 JES2, as well as the new functions that support network job entry. Consequently, this edition describes both the general functions of JES2 and the new Network Job Entry NJE Facility for JES2. This edition incorporates the information contained in OS/VS2 MVS System Programming Library: JES2, GC23-0002. This publication provides the JES2 information required for system programmers who are installing NJE for JES2 on a System/370 running under OS/VS2 Release 3.7.

This manual consists of eight chapters and one appendix that include information about the installation and initialization of JES2, JES2 processing, remote and network job entry supported by JES2, and factors that affect JES2 performance.

Manual, 300 pages, 6/76
/////5740-XR8

GC23-0010

NETWORK JOB ENTRY FACILITY JES2 VERSION 5 PROG PROD 5740-XR8 GENERAL INFORMATION

Network Job Entry NJE Facility for JES 2 includes all of the functions provided by current releases of Job Entry Subsystem 2, as well as the new functions that support network job entry.

This publication contains overview and planning information concerning NJE for JES2. It is intended for installation managers and system programmers responsible for the installation of the subsystem. Readers should have a background in previous releases of JES2 specifically JES2 Release 4.0 and in OS/VS2 MVS.

This publication is for planning purposes only. The functions and capabilities described are subject to change before the availability of the network Job Entry Facility for JES2.

Manual, 20 pages, 5/76
/////5740-XR8

GC23-0011

OPERATOR S LIBRARY: JES2 VERSION 5 COMMANDS PROC PROD 5740-XR8

No abstract available
Manual, 90 pages, 5/76
/////5740-XR8

GC23-0013

NETWORK JOB ENTRY FACILITY FOR JES2 RELEASE 1, PROG PROD 5740-XR8, SPECIFICATIONS: PPS

Program Products Specifications covering Release 1 of Network Job Entry Facility for JES2. This is the initial release of NJE.

Audience would be: installation managers, system programmers, and IBM field engineering personnel.
Manual, 8 1/2 x 11 inches, 4 pages, 10/76
/////5740-XR8

GC23-0016

ENVIRONMENTAL RECORDING EDITING AND PRINTING EREP PROGRAM SELECTABLE UNIT: OS/VS2 SERVICE AIDS AND OLTEP MESSAGES SUPPLEMENT SUID 5752-827

This supplement contains replacement pages for Service Aids and OLTEP Messages GC23-0006-0 to support EREP.
Manual, 8 1/2 x 11 inches, 12 pgs, 12/76
/////5752-827

GC23-0018

OS/VS MVS JES3 3850 MSS SELECTABLE UNIT SYSTEM INFORMATION, JES3 RELEASE 2.1 - SUID 5752-818

This publication describes the OS/VS2 MVS JES3 3850 MSS selectable unit. It contains planning information about JES3 support of the IBM 3850 Mass Storage System MSS for JES3 installation managers, system managers, and IBM field engineering personnel.

Manual, 8 1/2 x 11 inches 10 pgs, 3/77
/////5752-818

GC23-0051

OS/VS2 MVS JES3 3850 MASS STORAGE SYSTEM SUID 5752-818: JES3 DEBUGGING GUIDE SUPPLEMENT

Provides information for use in debugging JES3 to program support representatives and system programmers whose installation supports the 3850 Mass Storage System.

Manual, 8 1/2 x 11 inches, 204 pgs, 3/77
/////5752-818

GC23-0054

DUMPING IMPROVEMENTS SELECTABLE UNIT: OS/VS2 MVS SYSTEM PROGRAMMING LIBRARY: SERVICE AIDS SUPPLEMENT SELECTABLE UNIT ID 5752-833

This supplement contains replacement pages for the Service Aids SPL GC28-0674-2 manual to support Dumping Improvements.

Manual, 8 1/2 x 11 inches, 40 pgs, 3/77
/////5752-833

GC23-0058

OS/VS2 MVS 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT SUPPLEMENT, SUID 5752-829

This is a supplement to base publication JES3 Debugging Guide, GC28-0703-1. It contains information in support of

JES3 Release 2 SU12 and JES3 3850 MSS SU18
Manual, 8 1/2 x 11 inches, 11 pgs., 8/77
/////5752-829

GC24-5123

OS/VS2 MVS VECTOR PROCESSING SUBSYSTEM RELEASE GUIDE

This publication is for use by anyone involved in the planning for or ordering of OS/VS2 MVS support for the IBM 3838 Array Processor. The manual contains an overview of the product, ordering information, and a list of supporting publications.

Manual, 8 1/2 x 11 inches, 12 pgs, 7/77
//30//3838/5752

GC24-5124

OS/VS2 MVS VECTOR PROCESSING SUBSYSTEM INSTALLATION AND OPERATION GUIDE

This publication is for use by IBM or customer planning and operation personnel. It describes system requirements, system generation, system initialization, monitor commands, and monitor messages.

Manual, 8 1/2 x 11 inches, 60 pages, 7/77
//30//3838/5752

GC24-5125

OS/VS1 AND OS/VS2 MVS VECTOR PROCESSING SUBSYSTEM PROGRAMMER S GUIDE

The primary users of this publication are system programmers and application programmers. It contains a Vector Processing Subsystem overview, and describes how VPSS and the 3838 relate to OS/VS1 or OS/VS2 MVS. It describes VPSS subroutines, 3838 data formats, how to handle error conditions, and each of the 3838 algorithms.

Manual, 8 1/2 x 11 inches, 150 pages, 7/77
//30//3838/5741,5752

GC24-5157

IBM 3895 OS/VS2 MVS PROGRAMMING SUPPORT SPECIFICATIONS, SUID 5752-830

IBM's official published specifications to which the IBM 3895 OS/VS2 MVS programming is warranted.

Flyer, 8 1/2 x 11 inches, 2 pgs, 10/77

GC26-3830

OS/VS2 SYSTEM PROGRAMMING LIBRARY: DATA MANAGEMENT

This book provides information on how to modify and extend the data management capabilities of the OS/VS2 system control program; the intended audience is system programmers.

Some topics included are:

- o Using catalog management macro instructions
- o Maintaining the volume table of contents
- o Executing your own channel programs
- o Using XDAP to read from and write to direct-access devices
- o Password protecting your data sets
example, access method services, job control language, utility programs, access method routines to do each of the example, access-method services, job control language, utility programs, access-method routines to do each of the preceding. The information presented in this book consisting of macro specifications and how to information is intended to allow a flexible use of the data management capabilities of OS/VS2.

Other topics presented are:

- o Using system macro instructions to refer to, validate, and modify system control blocks
- o Adding to the image library and retrieving FCB images

Readers are expected to understand how to:

- o Code programs in assembler language as described in OS/VS and DOS/VS Assembler Language, GC33-4010
- o Use the standard linkage conventions as described in OS/VS2 Supervisor Services and Macro Instructions, GC28-0683.
- o Maintain the Catalog and VTOC as described in OS/VS Access Method Services, GC26-3836, OS/VS Utilities, GC35-0005, and OS/VS Data Management Services Guide, GC26-3783.
- o Use the access method to do input/output using the data management macros as described in OS/VS Data Management Services Guide, GC26-3783, and OS/VS Data Management Macro Instructions, GC26-3793.
- o Protect data sets as described under "IEHPROGM" in OS/VS Utilities, GC35-0005.
The dash-3 level includes support for SUS 8, 10, 18, 30, 32, 60.
Manual, 116 pages
//30//5752

GC26-3890

SUPPLEMENT TO OS/VS2 SYSTEM PROGRAMMING LIBRARY: SYSTEM GENERATION REFERENCE GC26-3792-5 SUID 5752-830

This supplement provides support for the OS/VS2 MVS IBM 3895 Device Support Selectable Unit for the book named above.
Manual, 8 1/2 x 11 inches, 40 pgs, 8/77
SLSS - ORDER NO. SUBSCRIPTION ONLY

GC26

GC28

GC26-3891
SUPPLEMENT TO OS/VS2 SYSTEM PROGRAMMING LIBRARY:
DATA MANAGEMENT GC26-3830-2 SUID 5752-830
This supplement provides support for the OS/VS2 MVS IBM 3895 Device Support Selectable Unit for the book, named in title above.
Manual, 8 1/2 x 11 inches, 20 pgs, 8/77
SLSS - ORDER NO. SUBSCRIPTION ONLY

GC26-3892
OS/VS2 MVS SYSTEM SECURITY SUPPORT SELECTABLE UNIT:
DATA MANAGEMENT SERVICES - SUPPLEMENT SUID 5752-R32
This System Library Supplement provides replacement pages for OS/VS2 MVS Data Management Services Guide, GC26-3875, to support the System Security Support Selectable Unit SU32.
Manual, 8 1/2 x 11 inches, 9 pgs, 5/77
/////5752-832

GC26-3893
OS/VS2 MVS SYSTEM SECURITY SUPPORT SUPPLEMENT SUID 5752-832
This supplement contains replacement pages for Tape Labels GC26-3795-2 to support the System Security Support Selectable Unit SU32.
The System Security Support Selectable Unit has five prerequisites:
• OS/VS2 MVS Scheduler Improvements SU4 SUID 5752-804
• OS/VS2 MVS Supervisor Performance #1 SU5 SUID 5752-805
• OS/VS2 MVS Supervisor Performance #2 SU7 SUID 5752-807
• OS/VS2 MVS Data Management SU8 SUID 5752-808
• OS/VS2 MVS Scheduler/IOS Support SU16 SUID 5752-816
Manual, 8 1/2 x 11 inches, 100 pgs, 5/77
/////5752-832

GC26-3894
OS/VS2 MVS SYSTEM SECURITY SUPPORT SELECTABLE UNIT
SUPPLEMENT, SUID 5752-832
This System Library Supplement provides replacement pages for OS/VS2 System Programming Library: Data Management, GC26-3830-2, to support the System Security Support Selectable Unit SU32.
Manual, 8 1/2 x 11 inches, 14 pgs, 5/77
SLSS - ORDER NO. SUBSCRIPTION ONLY

GC26-3896
OS/VS2 MVS SYSTEM SECURITY SUPPORT SELECTABLE UNIT
SUPPLEMENT SUID 5752-832
This supplement contains replacement pages for OS/VS Utilities Messages, GC38-1005-7 to support the OS/VS2 MVS System Security Support Selectable Unit SU.
The System Security Support SU has five prerequisites:
• OS/VS2 MVS Scheduler Improvements SUID 5752-804
• OS/VS2 MVS Supervisor Performance #1 SUID 5752-805
• OS/VS2 MVS Supervisor Performance #2 SUID 5752-807
• OS/VS2 MVS Data Management SUID 5752-808
• OS/VS2 MVS Scheduler/IOS Support SUID 5752-816
Manual, 8 1/2 x 11 inches, 6 pgs, 6/77
/////5752-832

GC26-3897
SUPPLEMENT TO OS/VS2 SYSTEM PROGRAMMING LIBRARY SUPPLEMENT:
SYSTEM GENERATION REFERENCE GC26-3792-5 SUID 5752-829
This manual provides support for the OS/VS2 MVS 3838 Vector Processing Subsystem Selectable Unit for the book named in title above.
Manual, 8 1/2 x 11 inches, 44 pgs, 8/77
SLSS - ORDER NO. SUBSCRIPTION ONLY

GC26-3902
OS/VS2 MVS UTILITIES MANUAL
This publication discusses the capabilities of the OS/VS2 MVS utility programs and the control statements used with each. These programs are used by programmers responsible for organizing, manipulating, and maintaining operating system and user data.
This publication replaces the VS2 portion of GC35-0005. Includes SUS, VS2.03.808, 5752-832, 7552-851, 5752-860.
Manual, 8 1/2 x 11 inches, 360 pgs, 11/77
//32///5752

GC26-3906
OS/VS2 MVS 3800 PRINTING SUBSYSTEM SCP SPECS, 5752-810
This is the System Control Programming Specifications for the OS/VS2 MVS IBM 3800 Printing Subsystem Selectable Unit 5752-810.

Flyer, 8 1/2 x 11 inches, 2 pgs, 10/77
GC26-3907
OS/VS2 MVS 3800 PRINTING SUBSYSTEM SCP SPECS, 5752-848
This is the System Control Programming Specifications for OS/VS2 MVS IBM 3800 Printing Subsystem, 12 Lines Per Inch Selectable Unit, 5752-848.
Flyer, 8 1/2 x 11 inches, 2 pgs, 4/77

GC26-3909
OS/VS2 MVS DATA MANAGEMENT SCP SPECS, 5752-848
This is the system control programming specifications for the OS/VS2 MVS Data Management Selectable Unit 5752-848.
Flyer, 8 1/2 x 11 inches, 2 pgs, 10/77

GC28-0670
OS/VS2 INDEPENDENT COMPONENT: JES3 RELEASE GUIDE OS/VS2
RELEASE 3
Informs a JES 3 user how to incorporate JES3 into an OS/VS2 Release 3 system. It also contains information which temporarily supplements other OS/VS2 publications.
Manual
//34///5752

GC28-0787
OS/VS2 MVS MSS ENHANCEMENTS SELECTABLE UNIT: DEBUGGING
HANDBOOK VOL 2 SUPPLEMENT SUID 5752-824
This supplement contains replacement pages for Debugging Handbook Vol 2; GC28-0709-0 or GC28-0752-0.
MSS Enhancements has four prerequisites:
• Scheduler Improvements SU4 SUID 5752-804
• Supervisor Performance #1 SU5 SUID 5752-805
• Supervisor Performance #2 SU7 SUID 5752-807
• Scheduler/IOS Support SU16 SUID 5752-816
Handbook, 6 3/4 x 3 3/4 inches, 12 pgs, 3/77
/////5752-824

GC28-0788
OS/VS2 MVS MSS ENHANCEMENTS SELECTABLE UNIT: INITIALIZATION
AND TUNING GUIDE SUPPLEMENT, SUID 5752-824
This supplement to OS/VS2 SPL: Initialization and Tuning Guide updates the description of the VAILSTxx PARMLIB member to indicate the handling of MSS entries.
Manual, 8 1/2 x 11 inches, 8 pgs, 1/77
/////5752-824

GC28-0789
SUPPLEMENT FOR SU24: MSS PROG ENHANCEMENTS, 5752-824
This supplement to OS/VS2 JCL, GC28-0692, and GC28-0750, describes how to code the ddname operand of the MSVGP parameter.
Manual, 8 1/2 x 11 inches, 8 pgs, 1/77
SLSS - ORDER NO. SUBSCRIPTION ONLY

GC28-0790
OS/VS2 MVS MSS ENHANCEMENTS SELECTABLE UNIT:
SUPERVISOR SUPPLEMENT, SUID 5752-824
This supplement to OS/VS2 SPL: Supervisor adds a description to Mass Storage System missing interrupts.
Manual, 8 1/2 x 11 inches, 24 pgs, 1/77
SLSS - ORDER NO. SUBSCRIPTION ONLY

GC28-0791
OS/VS2 MVS MSS ENHANCEMENTS SELECTABLE UNIT:
JOB MANAGEMENT SUPPLEMENT, SUID 5752-824
This supplement to OS/VS2 System Programming Library describes two new Mass Storage System dynamic allocation error codes.
Manual, 8 1/2 x 11 inches, 4 pgs, 1/77
/////5752-824

GC28-0800
OS/VS2 MVS 3895 DEVICE SUPPORT SELECTABLE UNIT: DEBUGGING
HANDBOOK VOL. 1, SUID 5752-830
The UCB sense byte information has been included for the 3895 Device Support Selectable Unit.
Manual, 8 1/2 x 11 inches, 16 pages, 8/77
/////5752-830

GC28-0813
OS/VS2 MVS SCHEDULER/IOS SUPPORT SELECTABLE UNIT SYSTEM
INFORMATION SUPPLEMENT SUID 5752-816
This publication contains general information about the Scheduler/IOS Support Selectable Unit for OS/VS2 MVS. It is divided into two major sections:
• CHAPTER 1: Introduction - contains overview information about the Scheduler/IOS Support Selectable Unit, and the selectable units for which the Scheduler/IOS Support Selectable Unit is a prerequisite.
• Chapter 2: Planning - contains machine requirements, programming requirements, storage requirements, publications support, and module lists for the Scheduler/IOS Support Selectable Unit.
This publication is intended to provide planning information for installation managers, system programmers, and IBM Field Engineering personnel. It is assumed that readers have a basic knowledge of OS/VS2 MVS.
For specific information about related publications, see "Publications Support" in "Chapter 2: Planning".
For general information on installing selectable units, see MVS Selectable Unit Installation Guide, GC28-0747.
In this manual, any reference made to an IBM program product is not intended to state or imply that only IBM's

program product may be used; any functionally equivalent program may be used instead. This manual refers to the following IBM program product:
 RACF - Resource Access Control Facility, Program Number 5740-XXH
 Manual, 8 1/2 x 11 inches, 16 pgs, 3/77
 /////5752-816

GC28-0814

OS/VS MVS SCHEDULER/IOS SUPPORT SELECTABLE UNIT: DEBUGGING HANDBOOK SUPPLEMENT SELECTABLE UNIT ID 5752-816
 This supplement contains replacement pages for Debugging Handbook GC28-0709-0 Vol. 2 to Support Scheduler/IOS Support.
 Handbook, 3 3/4 x 6 3/4 inches, 124 pgs, 3/77
 /////5752-816

GC28-0816

OS/VS2 MVS DUMPING IMPROVEMENTS SELECTABLE UNIT: DEBUGGING HANDBOOK VOL 1, SUPPLEMENT, SUID 5752-833
 This supplement updates the Debugging Handbook - Vol. 1 with information pertaining to the Dumping Improvements Selectable Unit.
 Manual, 8 1/2 x 11 inches, 112 pgs, 3/77
 /////5752-833

GC28-0818

OS/VS2 MVS DUMPING IMPROVEMENTS SELECTABLE UNIT 5752-833: INITIALIZATION AND TUNING GUIDE SUPPLEMENT
 This supplement to OS/VS2 SPL: Initialization and Tuning Guide includes the following changes:
 o A new PARMLIB member, IEADMR00, has been added. IEADMR00 contains defaults for use when a machine-readable ABEND dump is written to a data set specified by a SYSMDUMP DD statement.
 o New parameters and defaults have been added to the IEAABD00 and IEADMP00 PARMLIB members for dumps specified by SYSABEND and SYSUDUMP DD statements.
 o Information on estimating the size of the SYSDUMP data set for SVC Dumps of multiple address spaces has been added.
 Manual, 40 pgs, 3/77
 /////5752-833

GC28-0834

OS/VS2 MVS 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT SELECTABLE UNIT SYSTEM INFORMATION - SUID 5752-829
 This publication presents OS/VS2 MVS 3838 Vector Processing Subsystem Support Selectable Unit highlights. It also describes special programming considerations, planning information, and publications support for 3838 VPSG Support. This publication is intended for installation managers, system programmers, and IBM Field Engineering personnel. It is assumed that readers have a basic knowledge of OS/VS2 MVS.
 Manual, 24 pgs., 8/77
 /////5752-829

GC28-0835

OS/VS2 MVS SYSTEM SECURITY SUPPORT SELECTABLE UNIT SYSTEM INFORMATION SU ID 5752-832
 This publication contains general information for the subject MVS selectable unit. It is intended for installation managers, system programmers, and IBM Field Engineering personnel responsible for planning, installing, and maintaining the selectable unit. Readers must have a basic knowledge of OS/VS2 MVS.
 Manual, 20 pgs
 /////5752-832

GC28-0836

OS/VS2 MVS SYSTEM SECURITY SUPPORT SELECTABLE UNIT 32: JOB MANAGEMENT SUPPLEMENT, SUID 5752-832
 This supplement to OS/VS2 System Programming Library: Job Management describes dynamic allocation support for the RACF PROTECT function. This function is used to RACF protect tape volumes and direct access data sets.
 Manual, 8 1/2 x 11 inches, 16 pages, 5/77
 /////5752-832

GC28-0841

OS/VS2 MVS SYSTEM SECURITY SUPPORT SELECTABLE UNIT 32: SUPERVISOR SUPPLEMENT, SUID 5752-832
 Information has been added to the descriptions of the RACDEF, RACHECK, and RACINIT macro instructions.
 o The RACDEF macro instruction has been changed to add the following:
 - MENTIDY AND MVOLSER parameters
 - additional specification for CLASS parameter
 o The RACHECK macro instruction has been changed to add the following:
 - OLDDVOL parameter
 - additional specification for CLASS parameter
 o The RACINIT macro instruction has been changed to add the following:
 - PGMNAME, ACTINFO, OIICARD, TERMID, and JOBNAME parameters
 Manual, 8 1/2 x 11 inches, 36 pages, 5/77
 SLSS - ORDER NO. SUBSCRIPTION ONLY

GC28-0842

OS/VS2 MVS SYSTEM SECURITY SUPPORT SELECTABLE UNIT: SUPVSR SVCS & MACRO INSTR SUPPLEMENT, SUID 5752-832
 The RACHECK macro instruction has been changed to add the following:
 o OLDDVOL parameter
 o Additional specifications for CLASS parameter
 Manual, 8 1/2 x 11 inches, 4/77
 /////5752-832

GC28-0843

OS/VS2 MVS SYSTEM SECURITY SUPPORT SELECTABLE UNIT: SYSTEM MANAGEMENT FACILITIES SUPPLEMENT, SUID 5752-832
 This manual contains:
 o Changes that support RACF have been made to SMF Record Type 20.
 o References to SMF Record Types 80 and 81, written by RACF during RACF initialization and processing.
 Manual, 8 1/2 x 11 inches, 4/77
 SLSS - ORDER NO. SUBSCRIPTION ONLY

GC28-0844

SUPPLEMENT FOR SU32: SYSTEM SECURITY SUPPORT, 5752-832
 This supplement to OS/VS2 JCL, GC28-0692-2, describes a new DD parameter, PROTECT. PROTECT is used to request RACF protection for tape volumes and for direct access data sets.
 Manual, 8 1/2 x 11 inches, 44 pages, 5/77
 SLSS - ORDER NO. SUBSCRIPTION ONLY

GC28-0845

OS/VS2 MVS SYSTEM SECURITY SUPPORT SUPPLEMENT SUID 5752-832
 This supplement contains replacement pages for Debugging Handbook Vol 1 GC28-0708-0 or GC28-0751-0.
 System Security Support has five prerequisites:
 • Scheduler Improvements SU4 SUID 5752-804
 • Supervisor Performance =1 SU5 SUID 5752-805
 • Supervisor Performance =2 SU7 SUID 5752-807
 • Data Management SU8 SUID 5752-808
 • Scheduler/IOS Support SU16 SUID 5752-816
 Handbook, 6 3/4 x 3 3/4 inches, 8 pgs, 6/77
 /////5752-832

GC28-0847

OS/VS2 MVS SYSTEM SECURITY SUPPORT SELECTABLE UNIT 32: TSO COMMAND LANGUAGE REFERENCE SUPPLEMENT, SUID 5752-832
 This supplement contains replacement pages for TSO Command Language Reference to support OS/VS2 MVS System Security Support SU32. Parameters added to the LOGON command are described.
 Manual, 8 1/2 x 11 inches, 5/77
 /////5752-832

GC28-0848

OS/VS2 MVS SYSTEM SECURITY SUPPORT SELECTABLE UNIT: TSO GUIDE TO WRITING A TMP OR CP, SUPPLEMENT, SUID 5752-832
 This supplement contains replacement pages for TSO Guide to Writing a TMP or CP to support OS/VS2 MVS System Security Support SU32. The new positional parameter type UID2PSWD is included in the discussion of the parse service routine.
 Manual
 /////5752-832

GC28-0849

OS/VS2 MVS SYSTEM SECURITY SUPPORT SELECTABLE UNIT: TSO TERMINAL USER S GUIDE SUPPLEMENT, SUID 5752-832
 This supplement contains replacement pages for TSO Terminal Users Guide to support OS/VS2 MVS System Security Support SU32. The procedure for logging on has been updated to mention the newpassword and OIICARD operands on LOGON.
 Manual
 /////5752-832

GC28-0868

OS/VS2 MVS SYSTEM SECURITY SUPPORT SELECTABLE UNIT: TSO SUPPLEMENT, SUID 5752-832
 This supplement contains replacement pages for TSO to support OS/VS2 MVS System Security Support SU32. The discussion of LOGON pre-prompt parameters includes new password and GROUP parameters.
 Manual
 /////5752-832

GC28-0869

3895 PROGRAMMING SUPPORT: OS/VS2 DEBUGGING HANDBOOK, VOLUME 2, SUID 5752-830
 Includes updates to the data areas affected by the 3895 Programming Support Selectable Unit for the OS/VS2 Debugging Handbook, Volume 2, GC28-0709 SU30.
 Manual, 8 1/2 x 11 inches, 40 pgs, 7/77
 /////5752-830

GC28-0870

OS/VS EREP INDEPENDENT COMPONENT RELEASE SYSTEM INFORMATION
 Environmental Recording Editing and Printing EREP Program is a diagnostic aid that provides information for the management and maintenance of a computer system for formatting error records from the SYSL.LOGREC data set into a series of comprehensive reports.

GC28

GC30

EREP supports the following System/Releases:

- OS/VS1 Release 5.0
- OS/VS2 SVS Release 1.7
- OS/VS2 MVS Releases 3.0 and 3.6

Each installation requires at least one copy of the System Messages because some of the messages will appear at the console or in output listings no matter which options are included in the operating system.

The new and revised messages for EREP are provided in this document.

NOTE: The included Messages can be used in conjunction with the following publications:

TITLE	BASE NUMBER	SYSTEM/RELEASE
OS/VS1 Message Library: Service Aids and OLTEP Messages	GC23-0005-0	OS/VS1 Release 1
OS/VS2 Message Library: Service Aids and OLTEP Messages	GC23-0006-0	OS/VS2 MVS Release 3.0 and 3.6
OS/VS2 Message Library: Service Aids and OLTEP Messages	GC38-1006-2 GT00-0129-2	OS/VS2 SVS Release 1.7

Manual, 8 1/2 x 11 inches, 16 pgs, 2/77
//37//5752,5742,5741

GC28-0871

IBM OS/VS2 MVS/SYSTEM EXTENSIONS, LIC PROG 5740-XE1, DESIGN OBJECTIVES

This Licensed Program Design Objectives LPDO describes the design objectives for the program product OS/VS2 MVS/System Extensions Release 1.

Manual, 8 1/2 x 11 inches, 4 pgs, 5/77
/////5740-XE1

GC28-0890

OS/VS2 MVS HARDWARE RECOVERY ENHANCEMENTS SELECTABLE UNIT SYSTEM INFORMATION, SUID 5752-855

This publication presents MVS Hardware Recovery Enhancements selectable unit SU55 highlights. It also describes planning information and publications support for MVS Hardware Recovery. The publications is intended for installation managers, system programmers, and IBM Field Engineering personnel. It is assumed that readers have a basic knowledge of OS/VS2 MVS.

Manual, 8 1/2 x 11 inches, 26 pgs, 5/77
/////5752-855

GC28-0891

OS/VS2 MVS HARDWARE RECOVERY ENHANCEMENTS SUPPLEMENT: DEBUGGING HANDBOOK VOL 1 SUID 5752-855

This supplement incorporates new and modified wait state codes in support of MVS Hardware Recovery Enhancements, SU 55.

Manual, 8 1/2 x 11 inches, 12 pgs, 5/77
/////5752-855

GC28-0892

OS/VS2 MVS HARDWARE RECOVERY ENHANCEMENTS SUPPLEMENT: DEBUGGING HANDBOOK - VOL 2 SUID 5752-855

This supplement changes several existing data areas to support MVS Hardware Recovery Enhancements, SU 55.

Manual, 8 1/2 x 11 inches, 28 pgs, 5/77
/////5752-855

GC28-0906

OS/VS2 MVS HARDWARE RECOVERY ENHANCEMENTS SUPPLEMENT: INITIALIZATION AND TUNING GUIDE, SUID 5752-855

This supplement provides changes in support of Hardware Recovery Enhancements. The following areas are affected:

- o PAGE parameter description.
- o PLPA data set size.
- o Common page data set size.

Manual, 8-1/2 x 11 inches, 12 pgs,5/77
/////5752-855

GC28-0919

OS/VS2 MVS RMF 2, LIC PROG 5740-XY4, DESIGN OBJECTIVES

This publication describes the design objectives for Version 2 of the Resource Measurement Facility RMF, Program Product 5740-XY4.

Flyer, 8 1/2 x 11 inches, 2 pgs, 5/77
/////5740-XY4

GC28-0920

OS/VS2 MVS RMF 2, LIC PROG 5740-XY4, SPECIFICATIONS

This publication describes the design objectives for Version 2 of the Resource Measurement Facility RMF, Program Product 5740-XY4.

Flyer, 8 1/2 x 11 inches, 2 pgs, 6/77
/////5740-XY4

GC28-0921

OS/VS2 RESOURCE MEASUREMENT FACILITY RMF VERSION 2, PROG PROD 5740-XY4, GENERAL INFORMATION

Version 2 of the Resource Measurement Facility RMF, a program product, is a measurement collection tool that is designed to monitor selected areas of system activity and present the data collected in the form of SMF System Management Facility records and/or formatted reports.

Display reports are also available for some system activities.

This manual provides an overview and functional description of RMF.

Manual, 8 1/2 x 11 inches, 80 pgs, 5/77
/////5740-XY4

SC28-0922

OS/VS2 MVS RESOURCE MEASUREMENT FACILITY RMF VERSION 2, PROG PROD 5704 XY4, REFERENCE AND USER S GUIDE

This publication describes how to use Version 2 of the Resource Measurement Facility RMF, a program product designed to measure selected areas of system activity and present the data collected in the form of SMF System Management Facility records, formatted printed reports, or formatted display reports. This information is intended for the system programmer responsible for installing or removing RMF and modifying its functions, for the system personnel responsible for measuring and improving system performance, and for the operator and terminal user.

This publication contains conceptual information that enables the user to understand what RMF is and how it can be used to measure system performance and procedural information that describes how to execute RMF and how to modify its processing.

Manual, 8 1/2 x 11 inches, 268 pgs, 5/77
/////5740-XY4

GC28-0924

SUPPLEMENT FOR SU29: 3838 VPSS, 5752-289

Adds support that describes how an installation can dynamically allocate a subsystem data set that is equivalent to the data set defined via the SUBSYS DD parameter and specify secondary subsystems and their initialization routines without performing a system generation.

Manual, 16 pgs., 8/77
/////5752-829

GC28-0925

OS/VS2 MVS 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT SELECTABLE UNIT SUPPLEMENT: DEBUGGING HANDBOOK VOL 1, SUID 5752-829

This supplement is intended for system programmers, service personnel and other debuggers. It contains the sense data for the 3838 Vector Processing Subsystem.

Manual, 11 pgs., 8/77
/////5752-829

GC28-0926

OS/VS2 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT SELECTABLE UNIT SUPPLEMENT: DEBUGGING HANDBOOK VOL 2, SUID 5752-829

This supplement is intended for system programmers and other service personnel. It updates the ACB data area in volume 2 of the handbook. SU29

Manual, 5 pgs., 8/77
/////5752-829

GC28-0927

SUPPLEMENT FOR SU29: 3838 VPSS, 5752-829

Adds support for the DD statement SUBSYS parameter; describes how to code a DD statement to specify a subsystem and subsystem defined parameters.

Manual, 20 pgs., 8/77

SLSS - ORDER NO. SUBSCRIPTION ONLY

GC28-0943

IBM SYSTEM CONTROL PROGRAMMING SPECIFICATION - OS/VS2 MVS 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT SPECIFICATIONS, SUID 5752-829

This specification constitutes IBM's official warranty statement for the MVS programming support for the IBM 3838 VPSS.

Flyer, 8 1/2 x 11 inches, 2 pgs, 8/77

GC28-0952

OS/VS2 MVS MULTIPROCESSING: AN INTRODUCTION AND GUIDE TO WRITING OPERATING AND RECOVERY PROCEDURES

This book describes the IBM System/370 Model 158 and Model 168 tightly-coupled multiprocessors MP's in terms of:

- Basic concepts of the MP environment
- Operation of the system console, operator control panel, and configuration control panel for each processor
- Common types of error conditions, how to recognize them, how they affect the MVS system, and possible operator responses to them
- Hardware and software processes involved in error recovery and the operator interaction with these recovery processes
- Guidelines for developing installation-written procedures to reconfigure the hardware elements that make up the system

The audience for the book is the person at each installation who is responsible for developing recovery exits and procedures tailored to the installation's requirements.

//34//5752

GC30-2056

OS/VS2 TCAM LEVEL 10 SELECTABLE UNIT SYSTEM INFORMATION, SUID 5752-836

This publication provides general information and storage estimates for TCAM Level 10 MVS. TCAM Level 10 MVS is

supported by OS/VS2 Release 3.7.
Manual, 8 1/2 x 11 inches, 20 pgs, 9/77
/////5752-836

GC30-3043

OS/VS2 DUMPING IMPROVEMENTS SELECTABLE UNIT: DISPLAY CONSOLES SUPPLEMENT SUID 5752-833
This supplement adds DUMP parameter to DISPLAY and MSGRT Commands. Dumping Improvements operate on an MVS Release 3.7 base with prerequisite SUS. 5, 7, and 17. Supplement to GC38-0260-2.
Manual, 8 1/2 x 11 inches, 12 pgs, 4/77
/////5752-833

SC30-3113

NETWORK CONTROL PROGRAM: STRUCTURE OVERVIEW FOR START/STOP AND BSC LINE CONTROL
This manual describes how the start-stop and BSC line controls work in the network control program. It should be used by experienced system programmers and systems engineers who wish to understand in more detail the NCP's support of start-stop and BSC terminals.
To thoroughly understand the start-stop and BSC line controls in the NCP, the reader should be intimately familiar with the NCP PLM, SY30-3013 or LY30-3030; the 3705 Principles of Operations, GC30-3004; and the NCP program level 5 microfiche listings. He should also understand the NCP generation process and therefore, be familiar with the 3705 Control Program Generation and Utilities manual, SC30-3016 or GC30-3008. The Program Reference Handbook, SC30-3029 or GY30-3012, is also necessary for an understanding of the data areas and control blocks discussed in this manual.
Manual, 8 1/2 x 11 inches, 85 pgs, 7/77
/C/30//3704,3705/5741,5742,5745,5752

SC30-3114

STORAGE ESTIMATES AND PERFORMANCE PLANNING FOR THE 3705 COMMUNICATION CONTROLLER
This manual assists the reader in determining storage estimates for the network control program and in planning for the performance of a data communication system. The publication is directed to systems analysts, system programmers, IBM systems engineers, and IBM salesmen who are planning for ACF/NCP/VS storage estimates and performance. The only prerequisite publication for this manual is the ACF/NCP/VS Generation and Utilities Reference Manual, SC30-3116.
Manual, 8 1/2 x 11 inches, 80 pgs, 7/77
/C/30//3705/

SC30-3115

ACF/TAP USER S GUIDE ADVANCED COMMUNICATION FUNCTION/TRACE ANALYSIS PROGRAM SSP 6 - 5735-XX3
The Advanced Communications Function Trace Analysis Program User s Guide, SC30-3115, describes how to use the Advanced Communications Function Trace Analysis Program called ACF/TAP, which is an IBM service aid that increases the usefulness of trace data by providing:
• A common trace analysis facility for ACF/VTAM, ACF/TCAM, and ACF/NCP trace data.
• Output reports that show SNA and SDLC network trace data in formats that are easy to read and understand.
This publication has two purposes, each independent of the other:
• It describes how to use ACF/TAP.
• It provides a general overview of ACF/TAP maintenance information.
This user s guide is for IBM Customer Engineers, Program Support Representatives, and Systems Engineers who use ACF/TAP to provide hardware and program maintenance for customer data communication networks. It is also for IBM personnel who provide program maintenance on ACF/TAP.
A general knowledge of traces, SNA SDLC and networking, VTAM or TCAM access methods, and communications controllers is a prerequisite for using ACF/TAP. This publication has no prerequisite manuals.
Manual, 8 1/2 x 11 inches, 100 pgs, 10/76
/////5735-XX3

GC30-9508

SYSTEM SUPPORT PROGRAMS FOR ADVANCED COMMUNICATIONS FUNCTION/NCP/VS, PROG PROD 5735-XX3, SPECIFICATIONS
These specifications describe the subject program product. System Support Programs for Advanced Communications Functions NCP/VS comprises a set of programs that operate in the host System/370. Use of system support programs for ACF/NCP/VS requires the concurrent installation of prerequisite System Support Programs system control programming SCP. This prerequisite SCP should be installed by users of System Support Programs for ACF/NCP/VS.
Flyer, 8 1/2 x 11 inches, 2 pgs, 7/77
/////5735-XX3

GC30-9510

MVS NCP/VS TCAM LVL 10, 5752-836 SPECIFICATIONS
This is the System Control Programming Specifications for TCAM NCP/VS Direct TCAM Level 10, Selectable Unit 36 SU36
Flyer, 8 1/2 x 11 inches, 2 pgs, 9/77

GC34-2001

OS/VS DISPLAY EXCEPTION MONITORING FACILITY DEMF SYSTEM CONTROL PROGRAMMING SPECIFICATIONS, LIC PROG 5744-CM1
This document provides specifications for the OS/VS Display Exception Monitoring Facility DEMF. It describes the general functions performed, the prerequisites and the System requirements.
Flyer, 8 1/2 x 11 inches, 1 pgs, 12/77

GC34-2002

OS/VS DISPLAY EXCEPTION MONITORING FACILITY DEMF SYSTEM INFORMATION, LIC PROG 5744-CM1
This manual provides information needed to plan for installation and use of the Display Exception Monitoring Facility DEMF, a facility that allows 3270 users to retrieve and display communications error data in an interactive environment. The content consists of a functional overview of DEMF, DEMF hardware, software, and application requirements, and a list of the publications and modules affected.
//34//5744-CM1

GC34-2003

OS/VS DISPLAY EXCEPTION MONITORING FACILITY USER S GUIDE
This manual provides information needed to operate the display exception monitoring facility DEMF, a facility that allows 3270 users to retrieve and display communication error data in an interactive environment. The content of the manual consists of a functional overview of DEMF, a description of the logging function, descriptions and operating instructions for the various displays, status, sense, operation code interpretations, and a message guide for error messages issued by DEMF to the user and system operator.
//34//5744-CM1

GC38-0277

NETWORK OPERATION SUPPORT PROG PROD 5735-XX2, SPECIFICATIONS
This specification sheet gives a high-level description of the Network Operation Support Program NOSP. It describes the NOSP system configuration and programming systems requirements and is intended for marketing and sales personnel.
Flyer, 8 1/2 x 11 inches, 2 pgs, 9/77
/////5735-XX2

SC34-0279

NETWORK OPERATIONS SUPPORT PROG PROD 5735-XX2, INSTALLATION AND MAINTENANCE
This manual discusses the installation planning, definition, and filing of the Network Operation Support Program NOSP. It also contains a brief command summary and storage estimate calculations. The Network Operation Support Program is a program product providing an alternative to the control of a network through the system console.
Manual, 8 1/2 x 11 inches, 70 pgs, 8/77
/////5735-XX2

SC38-0281

PROGRAM PRODUCT NETWORK OPERATION SUPPORT PROGRAM OPERATORS MANUAL, PROG PROD 5735-XX2
This manual discusses the tasks involved with the operation of the Network Operation Support Program, including the commands used and the messages issued. The Network Operation Support Program NOSP is a program product that provides an alternative to the control of a network through the system console.
Manual, 8 1/2 x 11 inches, 30 pgs, 7/77
/////5735-XX2

GC38-0286

SYSTEM CONTROL PROGRAMMING SPECIFICATIONS FOR ADVANCED COMMUNICATIONS FUNCTION FOR VTAM ACF/VTAM, PROG PROD 5746-RC3, 5735-RC2
This publication constitutes IBM's official published specifications to which the system control programming for ACF/VTAM is warranted as provided in IBM's agreements for lease, rental, or purchase of IBM machines.
Flyer, 8 1/2 x 11 inches, 2 pgs, 9/77

GC38-1018

OS/VS2 MVS MSS ENHANCEMENTS SELECTABLE UNIT: ROUTING AND DESCRIPTOR CODES SUPPLEMENT, SUID 5752-824
OS/VS2 MVS MSS Enhancements Selectable Unit: Routing and Descriptor Codes, GC38-1018 is a Supplement containing Routing and Descriptor Codes in support of MSS Enhancements.
Manual, 8 1/2 x 11 inches, 12 pgs, 2/77
/////5752-824

GC38-1019

SUPPLEMENT FOR SU24: MSS PROG ENHANCEMENTS, 5752-824
OS/VS2 MVS MSS Enhancements Selectable Unit: System Messages, GC38-1019 is a Supplement containing System Messages in support of MSS Enhancements.
Manual, 8 1/2 x 11 inches, 92 pgs, 2/77
SLSS - ORDER NO. SUBSCRIPTION ONLY

SC38-1021

SUPPLEMENT FOR NJE JES2 REL3 ROUTING & DESCRIPTOR CODES, PROG PROD 5740-XR8
This supplement contains new and updated routing and descriptor codes information for Release 3 of the Network Job Entry Facility for JES2.
Manual, 8 1/2 x 11 inches, 6 pages, 12/77
/////5740-XR8

- GC38-1036
SUPPLEMENT FOR SU55: HARDWARE RECOVERY ENHNC, 5752-855
OS/VS2 MVS Hardware Recovery Enhancements GC38-1036-0 is a Supplement which contains new or modified VS2 System Messages in support of OS/VS2 MVS Hardware Recovery Enhancements, SU55.
Manual, 8-1/2 x 11 inches, 30 pgs, 5/77
/////5752-855
- GC38-1037
OS/VS2 MVS HARDWARE RECOVERY ENHANCEMENTS SUPPLEMENT
SUID 5752-855
This is a Supplement which contains new or modified Routing and Descriptor Codes in support of OS/VS2 MVS Hardware Recovery Enhancements.
Manual, 8 1/2 x 11 inches, 20 pgs, 5/77
/////5752-855
- GC38-1038
SUPPLEMENT FOR SU55: HARDWARE RECOVERY ENHANCE, 5752-855
The following changes have been made to System Commands to support Hardware Recovery Enhancements.
o Mode Command Enhancements:
Eight new operands and extended function for four existing operands have been added to the MODE command.
o VARY PATH Command Enhancements:
The Vary Path command has been expanded to allow the user to specify a range of device addresses.
o VARY CPU command Enhancements:
A new operand, KEEPCHAN, has been added to the VARY CPU command.
Manual, 8-1/2 x 11 inches, 5/77
/////5752-855
- GC38-1039
SUPPLEMENT FOR SU 29: 3838 VPSS, 5752-829
OS/VS2 MVS 3838 Vector Processing Subsystem Support SU 29, GC28-1039-0 is a supplement which contains system messages in support of OS/VS2 MVS 3838 Vector Processing Subsystem Support SU 29 .
Manual, 8 1/2 x 11 inches, 18 pages, 8/77
/////5752-829
- GC38-1040
SUPPLEMENT FOR SU29: MVS 3838 VPSS, 5752-829
This Supplement contains VS2 Routing and Descriptor Codes in support of OS/VS2 MVS 3838 Vector Processing Subsystem Support
Manual, 8 1/2 x 11 inches, 8 pgs, 8/77
/////5752-829
- GC38-1041
SUPPLEMENT FOR RMF VERS 2, PROG PROD 5740-XY4
This publication, a System Library Supplement for OS/VS Message Library: VS2 System Messages, GC38-1002-5, describes the messages issued by the Resource Measurement Facility RMF Program Product.
Manual, 8 1/2 x 11 inches, 16 pgs, 5/77
/////5740-XY4
- GC38-1042
RESOURCE MEASUREMENT FACILITY RMF : ROUTING AND
DESCRIPTOR CODES SUPPLEMENT - PROG PROD 5740-XY4
This publication, a System Library Supplement for OSVS Message Library: VS2 Routing and Descriptor Codes, GC38-1017 or GC38-1102, describes the routing and descriptor codes for the messages issued by the Resource Measurement Facility RMF Program Product.
Manual, 8 1/2 x 11 inches, 12 pgs, 5/77
/////5740-XY4

- has been changed to display the name of the current installation performance specification IPS and additional information about the selected domains.
• The SETDMN command has been changed to include two formats. The format selected depends upon the keywords specified in the current IPS.
Manual, 8 1/2 x 11 inches, 32 pgs, 10/77
- GD23-0067
OS/VS2 MVS TCAM LEVEL 10 SELECTABLE UNIT 36: SYSTEM CODES
This supplement to OS/VS Message Library: System Codes, GC38-1008-3 and GC38-1016-0 provides the new and updated system codes in support of TCAM Level 10 SU36
Manual, 8 1/2 x 11 inches, 10 pgs, 9/77
/////5752-836
- GH20-1626
DATA BASE DESIGN AID GENERAL INFORMATION MANUAL
PROG PROD 5740-XY8, 5746-XXQ
This book, a general description of the Data Base Design Aid, is intended primarily to help evaluate the product and may also serve as a guide in planning the implementation of DBDA.
The benefits and features of the product are presented, followed by highlights of the data base design process, some problems and how DBDA can solve them, a description of the product, its environment, and related IBM productivity aids.
Manual
/////5740-XY8,5746-XXQ
- GH20-1627
DATA BASE DESIGN AID DESIGNER S GUIDE, PROG PROD
5740-XY8, 5746-XXQ
This book, which contains a description of the functions and concepts of the Data Base Design Aid DBDA, is intended primarily to give the data base designer guidelines for gathering and recording data requirements, and for using the features of DBDA in his design study.
The program is introduced, then the process of data base design is presented, followed by a definition of the concepts and terms of DBDA. Next, an analysis of DBDA phases is discussed, the use of DBDA results in constructing a physical model of the data base is presented, a description of the input and output is shown, the use of DBDA features is discussed, and finally a case study is included that illustrates many of the concepts and features previously discussed.
Manual
/////5740-XY8,5746-XXQ
- SH20-1651
DATA BASE DESIGN AID REFERENCE/OPERATIONS GUIDE PROG. NO.
5740-XY8, 5746-XXQ
This book, which describes the programs and operations of the Data Base Design Aid DBDA, is intended primarily for the data base designer who will use it and for the system programmer who will install it.
An overview of the system is presented followed by a description of the programs in DBDA. Next, the installation procedures and alternatives are discussed, and finally the use of DBDA is described.
Manual
/////5740-XY8,5746-XXQ
- GH35-0007
OS/VS2 MVS HIERARCHICAL STORAGE MANAGER, PROG PROD 5740-XY8,
GENERAL INFORMATION
This manual is an introduction to the hierarchical Storage Manager program product. It is written for data processing managers, system programmers, application programmers, system operators, TSO terminal and batch users, and other data processing personnel involved in data space management. This manual describes the functional characteristics, hardware considerations, operating system considerations, planning, and the responsibilities that go along with this

program product.
Manual, 8 1/2 x 11 inches, 35 pgs, 7/77
/////5740-XRB

SJB2-9002

OS/VS1 REL 5 SMP 5741-VS1 PROGRAM LISTINGS
Listings for the above OS/VS1 and/or OS/VS2 program.
Microfiche, 7/76
SLSS - ORDER NO. SUBSCRIPTION ONLY

LJB2-9503

OS/VS2 MVS RACF
No abstract available.
Microfiche, 25 cards, 8/76
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LJB2-9504

OS/VS2 852 RMF VERS 2 REL 1 LISTINGS - PROG PROD 5740-XY4
Listings for the above OS/VS1 and/or OS/VS2 program.
Microfiche, 27 cards, 5/77
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LJB2-9505

OS/VS2 849 RACF VERS 1 REL 2 LISTINGS - PROG PROD 5740-XXH
Listings for the above OS/VS1 and/or OS/VS2 program.
Microfiche, 10 cards, 6/77
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

LJB2-9507

OS/VS2 SU 861 - RMF REL 2 VERS 2 POST PROCESSOR UPDATE
PROG PROD 5740-XY4
Listings for the above OS/VS1 and/or OS/VS2 program.
Microfiche, 32 cards, 10/77
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

SJB6-6001

OS/VS1 ANALYSIS PROGRAM 1 AP-1, SCP 5741-VS1
No abstract available
Microfiche
SLSS - ORDER NO. SUBSCRIPTION ONLY

SJB6-6004

OS/VS1 ANALYSIS PROGRAM 1 AP-1 LISTINGS - SCP COMPONENT
5741-SC1-31
Microfiche program listings for OS/VS1 Analysis Program 1
AP-1 ; Program Number 5741-VS1.
Microfiche, 4/76
SLSS - ORDER NO. SUBSCRIPTION ONLY

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REL 4, 5 IDCAMS 5741-SC1-DK VSI LISTING SJD2-2114-3
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REL 4, 5 OVERLAY SUPERVISOR 5741-SC1-C2 VSI LISTING SJD2-2056-4
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Manual, 8 1/2 x 11 inches, 404 pgs, 9/76
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OS/VS2 MVS RESOURCE MEASUREMENT FACILITY RMF LY28-0923-0
This publication is equivalent to LY28-0923-00.
Manual, 8 1/2 x 11 inches, 394 pgs, 6/77
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3350 DIRECT ACCESS STORAGE, MOD A2, A2F, B2, B2F, C2, C2F
Describes characteristics, formats, features, commands, and capability modes of the IBM 3350 Direct Access Storage Subsystem. These features are described in detail in the Reference Manual, GA26-1638.
Reference card, 8 1/2 x 11 inches, 6 pgs, 2/77
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3032 PROCESSOR COMPLEX TEMPLATE INCLUDES 3027 POWER AND COOLANT DISTRIBUTION UNIT AND 3036 CONSOLE
IBM Physical Planning Template: IBM 3032 Processor Complex including IBM 3036 Console Model 1 and IBM 3027 Power and Coolant Distribution Unit Model 1.
For planning machine room layouts. Scale 1/4 inch equals 1 foot.
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3031 PROCESSOR COMPLEX TEMPLATE INCLUDES 3017 POWER UNIT MODEL 1 AND 3036 CONSOLE MODEL 1
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PHYSICAL PLANNING TEMPLATE ENGLISH MEASUREMENT 3270 INFORMATION DISPLAY SYSTEM
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2 Acetate Templates 9/77
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2 Acetate templates, 9/77
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LYB8-0770

OS/VS2 MVS RESOURCE ACCESS CONTROL FACILITY RACF DATA AREAS
This publication provides OS/VS2 MVS Data Areas for use in installing and debugging OS/VS2 MVS Resource Access Control Facility. The user of this publication should have a working knowledge of OS/VS2 functions and logic. It is intended primarily for IBM Programming Support Representatives.
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LYB8-0771

OS/VS2 MVS RESOURCE ACCESS CONTROL FACILITY RACF DIRECTORY
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SYB8-0775

SUPPLEMENT FOR SU27: DATA AREAS USAGE TABLE, 5752-827
This microfiche provides OS/VS2 MVS Data Area usage Table information for use in debugging user or system programs. The user of this should have a working knowledge of OS/VS2 function and logic. It is intended primarily for IBM Programming Support Representatives.
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SYB8-0776

SUPPLEMENT FOR SU27: MVS SYMBOL USAGE TABLE, 5752-827
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SYB8-0777

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This microfiche provides OS/VS2 MVS Data Areas information for use in debugging user or system programs. The user of this should have a working knowledge of OS/VS2 function and logic. It is intended primarily for IBM Programming Support Representatives.
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SUPPLEMENT FOR SU33: MVS DUMPING IMPROVEMENTS, 5752-833
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OS/VS2 MVS 3895 PROGRAMMING SUPPORT SUID 5752-830, DATA AREA
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OS/VS2 MVS 3895 PROGRAMMING SUPPORT SUID 5752-830: DATA AREA USAGE TABLE
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SUPPLEMENT FOR NJE REL 2, PROG PROD 5740-XR8
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OS/VS2 MVS 3895 PROGRAMMING SUPPORT SUID 5752-830: SYMBOL USAGE TABLE
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SUPPLEMENT FOR SU47: MVS ATTACHED PROCESSOR SYSTEM FOR MODELS 158/168, 5752-847
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SUPPLEMENT FOR SU47: ATTACHED PROCESSOR SYSTEM FOR MODELS 158/168, 5752-847
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OS/VS2 MVS RACF DATA AREA USAGE TABLE, PROG PROD 5740-XXH
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OS/VS2 MVS RESOURCE MEASUREMENT FACILITY RMF DIRECTORY, PROG PROD 5740-XYU
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Microfiche, 1 card, 5/77
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LYB8-0908

OS/VS2 MVS RMF DATA AREAS
This microfiche provides OS/VS2 MVS Data Areas information for use in installing and debugging the program product RMF. The user of this should have a working knowledge of OS/VS2 function and logic. It is intended primarily for IBM Programming Support Representatives.
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OS/VS2 MVS RESOURCE MEASUREMENT FACILITY RMF DATA AREA USAGE TABLE
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OS/VS2 MVS RESOURCE MEASUREMENT FACILITY RMF SYMBOL USAGE TABLE
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SYB8-0935

VS2 MVS 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT: DATA AREAS
This publication provides OS/VS2 MVS Data Areas for use in debugging user or system programs. The user of this publication should have a working knowledge of OS/VS2 functions and logic. It is intended primarily for IBM Programming Support Representatives.
Microfiche, 1 card, 8/77
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SYB8-0936

SUPPLEMENT FOR SU29: 3838 VPSS, 5752-829
This publication provides OS/VS2 MVS Data Area Usage Table information for use in debugging user or system programs. The user of this publication should have a working knowledge of OS/VS2 functions and logic. It is intended primarily for IBM Programming Support Representatives.
Microfiche, 1 card, 9/77
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SYB8-0937

VS2 MVS 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT DIRECTORY SUID 5752-856
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Microfiche, 1 card, 8/77
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SYB8-0938

SUPPLEMENT FOR SU29, 3838 VPSS, 5752-829
This publication provides OS/VS2 MVS Symbol Usage Table information for use in debugging user or system programs. The user of this publication should have a working knowledge of OS/VS2 functions and logic. It is intended primarily for IBM Programming Support Representatives.
Microfiche, 1 card, 9/77
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SYC7-2103

7074 OS/VS EMULATOR ON SYSTEM/370 MODEL 158 VERSION 1 LEVEL 0 COMPONENT OF SBOF-6402, LISTINGS, PROG PROD 5744-AJ1
This document contains assembler or macro listings for all emulator modules, version 1 level 0.
Microfiche, 58 cards, 3/77
SLSS - ORDER NO. SUBSCRIPTION ONLY

LY20-2085

DATA BASE DESIGN AID LOGIC, PROG PROD 5740-XY8, 5746-XXQ
This book, which contains information on the system design and logic flow, is intended primarily to help diagnose error situations, make modifications to the program, and do maintenance work on the program.
An overview of the product is presented, followed by the way the program is organized, the logic flow of the program shown by HIPO diagrams, descriptions of the VSAM data sets, how to modify the program, and a summary of DBDA program modules and library members.
Manual
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

SY24-6051

JES2 RELEASE 4.1 SELECTABLE UNIT SUPPLEMENT: MVS JES2 LOGIC, SUID 5752-825
This is a supplement to base publication SY24-6000-0. It contains information in support of Release 4.1 of JES2.
Manual, 8 1/2 x 11 inches, 212 pgs, 1/77
/////5752-825

SY24-6052

SUPPLEMENT FOR SU33: MVS DUMPING IMPROVEMENTS, 5752-833
This supplement contains replacement pages for the Service Aids Logic manual, SY28-0643-4, to support Dumping Improvements.
Manual, 8 1/2 x 11 inches, 40 pgs, 3/77
/////5752-833

SY24-6053

OS/VS2 MVS JES3 3850 MASS STORAGE SYSTEM, SUID 5752-818, JES3 LOGIC SUPPLEMENT
Describes the logic of JES3 to program support representatives and system programmers whose installation

supports the 3850 Mass Storage System.
Manual, 8 1/2 x 11 inches, 138 pgs, 3/77
/////5752-818

SY24-6054

OS/VS2 MVS 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT SUPPLEMENT, SUID 5752-829
This is a supplement to base publication JES3 Logic, SY28-0612-0. It contains information in support of JES3 Release 2 SUI2 and JES3 3850 MSS SUI8.
Manual, 8 1/2 x 11 inches, 16 pgs., 8/77
/////5752-829

SY26-3828

OS/VS2 MVS DADSM LOGIC
This System Library Supplement provides replacement pages for OS/VS2 DADSM Logic either SY26-3828-1 for Release 3.7, or SY26-3858-0 for Release 3.7 with VS2.03.808 to support the JES3 3850 MSS Selectable Unit SUI8.
Manual, 8 1/2 x 11 inches, 28 pgs, 3/77
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SY26-3832

OS/VS2 SAM LOGIC
This manual contains a general description of the Get, Put, Write and associated modules for QSAM, BSAM, and BPAM. SAM executors and appendages are also described.
The manual is intended for use by persons involved in programming support and system programmers who are altering the program design.
The SAM routines used for optical character readers, and magnetic character readers are discussed in separate publications, in the IBM System/360 and System/370 Bibliography, GA22-6822. These are prerequisites for this publication:
o OS/VS2 Planning Guide, for OS/VS2, GC28-0667.
o OS/VS Data Management Services Guide, GC26-3783.
Manual, 283 pages
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY26-3864

OS/VS2 MVS JES3 3850 MSS SELECTABLE UNIT: DADSM SUPPLEMENT SUID 5752-818
This supplement contains replacement pages for DADSM Logic, SY26-3828-1 or SY26-3858-0, to support the JES3 3850 MSS SU.
The JES3 3850 Selectable Unit has two prerequisites:
o OS/VS2 MVS JES3 SUID 5752-812
o OS/VS2 MVS Scheduler/IOS Support SUID 5752-816
Manual, 8 1/2 x 11 inches, 32 pgs, 3/77
/////5752-818

SY26-3868

OS/VS2 MVS SYSTEM SECURITY SUPPORT SUPPLEMENT, SUID 5752-832
This System Library Supplement provides replacement pages for OS/VS2 Checkpoint/Restart Logic, SY26-3820, to support the Resource Access Control Facility RACF for RACF-protected tape volumes.
Manual, 8 1/2 x 11 inches, 24 pgs, 5/77
/////5752-832

SY26-3869

OS/VS2 MVS SYSTEM SECURITY SUPPORT SELECTABLE UNIT: DADSM LOGIC SUPPLEMENT, SUID 5752-832
This System Library Supplement provides replacement pages for OS/VS2 DADSM Logic either SY26-3828-1 for Release 3.7, or SY26-3858-0 for Release 3.7 with 5752-808 to support the System Security Support Selectable Unit SU32
Manual, 8 1/2 x 11 inches, 8 pgs, 5/77
/////5752-832

SY26-3870

OS/VS2 MVS SYSTEM SECURITY SUPPORT SUPPLEMENT, SUID 5752-832
This System Library Supplement provides replacement pages for OS/VS2 OPEN/CLOSE/EOV Logic, SY26-3827, to support the Resource Access Control Facility RACF for RACF-protected tape volumes.
Manual, 8 1/2 x 11 inches, 36 pgs, 5/76
/////5752-832

SY26-3871

OS/VS2 MVS SYSTEM SECURITY SUPPORT SELECTABLE UNIT SUPPLEMENT SUID 5752-832
This supplement contains replacement pages for OS/VS Utilities Logic, SY35-0005-5, to support the OS/VS2 MVS System Security Support Selectable Unit SU.
The System Security Support SU has five prerequisites:
o OS/VS2 MVS Scheduler Improvements SUID 5752-804
o OS/VS2 MVS Supervisor Performance #1 SUID 5752-805
o OS/VS2 MVS Supervisor Performance #2 SUID 5752-807
o OS/VS2 MVS Data Management SUID 5752-808
o OS/VS2 MVS Scheduler/IOS Support SUID 5752-816
Manual, 8 1/2 x 11 inches, 52 pgs, 6/77
/////5752-832

LY27-8026

NETWORK OPERATION LOGIC, PROG PROD 5735-XX2 DOS/VS, OS/VS
This manual explains the program logic of the Network Operation Support Program NOSP. NOSP is a program product that provides an alternative to the system console as a means to controlling complex data communication networks.
This manual is intended for program support representatives and others who need to know the internal logic for NOSP and it is a supplement to the NOSP Program Listing.
Manual, 8 1/2 x 11 inches, 100 pgs, 7/77
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0792

SUPPLEMENT FOR SU 24: MSS PROG ENHANCEMENTS, 5752-824
This selectable unit supplement provides logic documentation for RMS describing:
- how missing device interruptions are handled
- how time intervals are established under which the missing interrupt handle operates
- storage requirements supporting the Power Warning Feature.
Manual, 8 1/2 x 11 inches, 16 pages, 2/77
/////5752-824

SY28-0793

SUPPLEMENT FOR SU 24: MSS PROG ENHANCEMENTS, 5752-824
This selectable unit supplement describes the 3330V procedure EVDAI01 added to IOS to support OS/VS2 MVS MSS Enhancements.
Manual, 8 1/2 x 11 inches, 20 pages, 2/77
/////5752-824

SY28-0794

OS/VS2 MVS MSS ENHANCEMENTS SELECTABLE UNIT: SYSTEM LOGIC LIBRARY SUPPLEMENT VOL. 2 SUID 5752-824
This supplement contains replacement pages for the System Logic Library Vol. 2, SY28-0714-0 or SY28-0762-0, to support MSS Enhancements.
MSS Enhancements has four prerequisites:
o OS/VS2 MVS Scheduler Improvements SUID 5752-804
o OS/VS2 MVS Supervisor Performance #1 SUID 5752-805
o OS/VS2 MVS Supervisor Performance #2 SUID 5752-807
o OS/VS2 MVS Scheduler/IOS Support SUID 5752-816
Manual, 8 1/2 x 11 inches, 20 pages, 2/77
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0795

OS/VS2 MVS MSS ENHANCEMENTS SELECTABLE UNIT: SYSTEM LOGIC LIBRARY SUPPLEMENT VOL. 3 SUID 5752-824
This supplement contains replacement pages for System Logic Library Vol. 3, SY28-0715-0 or SY28-0763-0, to support MSS Enhancements.
MSS Enhancements has four prerequisites:
o OS/VS2 MVS Scheduler Improvements SUID 5752-804
o OS/VS2 MVS Supervisor Performance #1 SUID 5752-805
o OS/VS2 MVS Supervisor Performance #2 SUID 5752-807
o OS/VS2 MVS Scheduler/IOS Support SUID 5752-816
Manual, 8 1/2 x 11 inches, 44 pages, 2/77
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0796

OS/VS2 MVSS MSS ENHANCEMENTS SELECTABLE UNIT: SYSTEM LOGIC LIBRARY SUPPLEMENT VOL. 6 SUID 5752-824
This supplement contains replacement pages for System Logic Library Vol. 6, SY28-0718-0 or SY28-0766-0 to support MSS Enhancements.
MSS Enhancements has four prerequisites:
o OS/VS2 MVS Scheduler Improvements SUID 5752-804
o OS/VS2 MVS Supervisor Performance #1 SUID 5752-805
o OS/VS2 MVS Supervisor Performance #2 SUID 5752-807
o OS/VS2 MVS Scheduler/IOS Support SUID 5752-816
Manual, 8 1/2 x 11 inches, 8 pages, 2/77
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0797

SUPPLEMENT FOR SU 24: MSS PROG ENHANCEMENTS, 5752-824
This selectable unit supplement provides program diagnostic information in support of the OS/VS2 MVS MSS Enhancements.
Manual, 8 1/2 x 11 inches, 20 pages, 2/77
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0798

OS/VS2 MVS MSS ENHANCEMENTS SELECTABLE UNIT: SYSTEM INITIALIZATION LOGIC SUPPLEMENT SELECTABLE UNIT ID 5752-824
This supplement contains replacement pages for System Initialization, SY28-0623-1 or SY28-0759-0, to support MSS Enhancements.
MSS Enhancements has four prerequisites:
o OS/VS2 MVS Scheduler Improvements SUID 5752-804
o OS/VS2 MVS Supervisor Performance #1 SUID 5752-805
o OS/VS2 MVS Supervisor Performance #2 SUID 5752-807
o OS/VS2 MVS Scheduler/IOS Support SUID 5752-816
Manual, 8 1/2 x 11 inches, 4 pages, 2/77
/////5752-824

SY28

SY28

SY28-0837

OS/VS2 MVS MSS ENHANCEMENTS SYSTEM LOGIC LIBRARY - VOL 1,
SUPPLEMENT - SUID 5752-824
This supplement contains updates to the Master Index for MSS
Enhancements SU24
Manual, 8 1/2 x 11 inches, 80 pgs, 2/77
SLSS - ORDER NO. SUBSCRIPTION ONLY

Manual, 8-1/2 x 11 inches, 40 pgs, 5/77
/////5752-855

SY28-0850

OS/VS2 MVS SYSTEM SECURITY SUPPORT SUPPLEMENT:
TSO TERMINAL MESSAGES DIRECTORY SU ID 5752-832
This supplement contains replacement pages for TSO Terminal
Messages Directory to support OS/VS2 MVS System Security
Support SU32. There are several new and changed messages
issued by LOGON and parse service routine.
Manual
/////5752-832

SY28-0895

OS/VS2 MVS HARDWARE RECOVERY ENHANCEMENTS: SYSTEM
INITIALIZATION LOGIC SUPPLEMENT - SUID 5752-855
This supplement supports the addition of a new module of
SU55.
Manual, 8-1/2 x 11 inches, 20 pgs, 5/77
/////5752-855

SY28-0855

OS/VS2 MVS SYSTEM SECURITY SUPPORT SU32 SYSTEM LOGIC
LIBRARY SUPPLEMENT VOL 1, SUID 5752-832
Contains updates to the Master Index for System Security
Support.
Manual
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0896

OS/VS2 MVS HARDWARE RECOVERY SYSTEM LOGIC LIBRARY
VOL 1 SUPPLEMENT - SUID 5752-855
Contains updates to the Master Table of contents and Master
Index for Hardware Recovery SU55.
Manual 8-1/2 x 11 inches, 5/77
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0856

OS/VS2 MVS SYSTEM SECURITY SUPPORT SU32 SYSTEM LOGIC
LIBRARY SUPPLEMENT VOL 3, SUID 5752-832
Contains updates to Allocation for the Protect Keyword for
System Security Support.
Manual
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0897

SUPPLEMENT FOR SU55 TO VOL 2 LOGIC: HARDWARE RECOVERY
ENHANCEMENTS, 5752-855
Contains updates to VARY CPU IEEVCPU and VARY PATH
IEEVPTH for Hardware Recovery SU55.
Manual, 8-1/2 x 11 inches, 5/77
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0857

OS/VS2 MVS SYSTEM SECURITY SUPPORT SU32 SYSTEM LOGIC
LIBRARY SUPPLEMENT VOL 7, SUID 5752-832
The supplement contains updates to the Diagnostic Aids
section of Volume 7 for System Security Support.
Manual
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0898

SUPPLEMENT FOR SU55 TO VOL 4 LOGIC: HARDWARE RECOVERY
ENHANCEMENTS, 5752-855
Contains updates to RTM IEAVRIM for Hardware Recovery
SU55.
Manual, 8-1/2 x 11 inches, 5/77
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0859

OS/VS2 MVS DUMPING IMPROVEMENTS SELECTABLE UNIT:
OS/VS ENVIRONMENTAL RECORDING EDITING AND PRINTING EREP
PROGRAM LOGIC SUPPLEMENT SELECTABLE UNIT ID 5752-833
This supplement contains replacement pages for OS/VS
Environmental Recording Editing and Printing EREP
SY28-0773-0, Program Logic to support dumping improvements.
Dumping improvements has three prerequisites:
Supervisor Performance # 1 SUID 5752-805
Supervisor Performance # 2 SUID 5752-807
Service Data Improvements SUID 5752-817
Manual, 8 1/2 x 11 inches, 44 pages, 3/77
/////5752-833

SY28-0899

SUPPLEMENT FOR SU55 TO VOL 5 LOGIC: HARDWARE RECOVERY
ENHANCEMENTS, 5752-855
Contains updates to RSM IEAVOUT, IEAVRCF for Hardware
Recovery SU55.
Manual, 8-1/2 x 11 inches, 5/77
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0860

OS/VS2 MVS SYSTEM SECURITY SUPPORT SU32 SYSTEM LOGIC
LIBRARY SUPPLEMENT VOL 2, SUID 5752-832
Contains updates to TSO Logon/Logoff for System Security
Support.
Manual
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0901

SUPPLEMENT FOR SU55 TO VOL 7 LOGIC: HARDWARE RECOVERY
ENHANCEMENTS, 5752-855
Contains updates to the Diagnostic Aids section for Hardware
Recovery SU55.
Manual, 8-1/2 x 11 inches, 5/77
SLSS - ORDER NO. SUBSCRIPTION ONLY

SY28-0863

OS/VS2 MVS 3895 DEVICE SUPPORT SUID 5752-830: I/O
SUPERVISOR LOGIC
New module support available for the 3895 Device Support
selectable unit.
Manual, 8 1/2 x 11 inches, 4 pages, 7/77
/////5752-830

LY28-0923

OS/VS2 MVS RESOURCE MEASUREMENT FACILITY RMF
VERSION 2 LOGIC, PROG PROD 5740-XY4
This publication describes the internal logic of Version 2
of the subject program product. This information is
intended for the IBM program systems representative who is
responsible for program maintenance or the installation
systems programmer who is responsible for the installation,
modification, and maintenance of RMF.
This publication, when used with the program listings,
enables the user to understand the internal operation of RMF
Version 2. The publication does not replace the program
listings; it supplements them and makes the information in
them more accessible.
Manual, 8 1/2 x 11 inches, 394 pgs, 5/77
SLSS - IBM INTERNAL SUBSCRIPTION ONLY

SY28-0880

SUPPLEMENT FOR SU47: MVS ATTACHED PROCESSOR SYSTEM FOR
MODELS 158/168, 5752-847
This publication is intended for the IBM programming service
representative, installation programmer, and others involved
in using EREP.
Support for Attached Processor System for Models 158/168
has been added to IFCEREPI modules.
This publication supports OS/VS Environmental Recording
Editing and Printing Program Logic SV28-0773-01.
Manual, 8 1/2 x 11 inches, 44 pages, 3/77
/////5752-847

SY28-0928

OS/VS2 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT SELECTABLE
UNIT SUPPLEMENT: I/O SUPERVISOR LOGIC, SUID 5752-829
This supplement is intended for system programmers and
service personnel. This supplement documents logic changes
to support 3838 Vector Processing Subsystem.
Manual, 10 pgs., 8/77
/////5752-829

SY28-0893

OS/VS2 MVS HARDWARE RECOVERY ENHANCEMENTS: I/O
SUPERVISOR LOGIC SUPPLEMENT - SUID 5752-855
This supplement contains logic changes to support I/O
restoration and lost channel recovery for SU55.
Manual, 8-1/2 x 11 inches, 32 pgs, 5/77
/////5752-855

SY28-0929

OS/VS2 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT SELECTABLE
UNIT SUPPLEMENT: SYSTEM INITIALIZATION LOGIC, SUID 5252-829
This supplement is intended for system programmers and other
service personnel. It contains logic changes to the System
Initialization routine by the 3838 Vector Processing
Subsystem Selectable Unit.
Manual, 25 pgs., 8/77
/////5752-829

SY28-0894

SUPPLEMENT FOR SU55: HARDWARE RECOVERY ENHANCE, 5752-855
This supplement provides support for "lost channel" and I/O
recovery needed for SU55.

SY28-0930

OS/VS2 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT
SUPPLEMENT: SYSTEM LOGIC LIBRARY VOL1, SUID 5752-829
This supplement contains updates to the Master Index for
3838 Vector Processing Subsystem Support.
Manual, 60 pgs., 8/77
/////5752-829

SY28

SY28-0931

OS/VS2 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT SUPPLEMENT,
SYSTEM LOGIC LIBRARY VOL. 2, SUID 5752-829
This supplement contains updates to Started Task Control for
3838 Vector Processing Subsystem Support SU29
Manual, 8 1/2 x 11 inches, 4 pgs, 8/77
/////5752-829

SY28-0932

OS/VS2 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT SUPPLEMENT,
SYSTEM LOGIC LIBRARY VOL. 3, SUID 5752-829
This supplement contains updates to the Job Scheduler for
3838 Vector Processing Subsystem Support. SU29
Manual, 8 1/2 x 11 inches, 40 pgs, 8/77
/////5752-829

SY28-0933

OS/VS2 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT SUPPLEMENT,
SYSTEM LOGIC LIBRARY VOL. 6, SUID 5752-829
This supplement contains updates to the flow diagrams and
module descriptions for 3838 Vector Processing Subsystem
Support SU29 .
Manual, 8 1/2 x 11 inches, 16 pgs, 8/77
/////5752-829

SY28-0934

OS/VS2 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT SUPPLEMENT,
SYSTEM LOGIC LIBRARY VOL. 7, SUID 5752-829
This supplement contains updates to the Data Areas and
Diagnostic Aids sections for 3838 Vector Processing
Subsystem Support SU29 .
Manual, 8 1/2 x 11 inches, 16 pgs, 8/77
/////5752-829

GY30-1024

OS/VS TCAM PROGRAM REFERENCE SUMMARY TCAM LEVEL 10:
5741-602 OS/VS1 SUID ; 5742-UY99915 OS/SVS ICR ;
5752-836 OS/MVS SUID
This handbook provides reference information about TCAM. It
provides quick access to often-used diagnostic and debug
information.
Reference summary, 6 3/4 x 3 3/4 inches, 320 pgs, 7/77
SLSS - ORDER NO. SUBSCRIPTION ONLY

G320-6075

OS/VS1 MICROFICHE FORMATS AND FILING METHODS
This form contains information and suggestions on filing and
handling microfiche that has OS/VS1 program listings with
mixed densities of 90 frames per card and 360 frames per
card.
Manual, 8 1/2 x 11 inches, 28 pgs, 11/77
SLSS - ORDER NO. SUBSCRIPTION ONLY

Part 3. Current Editions by Order Number

The flag ** before an order number indicates a new or changed item. The flag # following an order number means that other editions are also current. (See Preface.)

14	GA09-1000-0			IBM 5990 SYSTEM: SYSTEM SUMMARY MANUAL: RPQ 8T0146 5996-T01 DATA ACQUISITION CONTROLLER; 5799-WJF EXCHANGE DATA COLLECTION PROGRAM SUPPORT
14	GA09-1005-1	**GN09-1204		IBM 5934 T02 TICKET TERMINAL RPQ 8T0130 , IBM 5983-T02 CONTROL UNIT RPQ 8T0131 COMPONENT DESCRIPTION
14	GA09-1600-1#			IBM 3270 INFORMATION DISPLAY SYSTEM CUSTOM FEATURE DESCRIPTION: 129-3270 ATTACHMENT RPQ 8T0093
09	GA18-2000-3			IBM 3767 COMMUNICATION TERMINAL OPERATOR S GUIDE
03	**GA18-2001-0			IBM 3287 PRINTER COMPONENT DESCRIPTION
03	**GA18-2002-0			IBM 3287 PRINTER OPERATOR S GUIDE
09	**GA18-2003-0			IBM 3287 PRINTER SETUP INSTRUCTIONS
09	GA18-2012-0			PROBLEM DETERMINATION GUIDE FOR THE IBM 3767 COMMUNICATION TERMINAL
03	**GA18-2013-0			IBM 3287 PRINTER PROBLEM DETERMINATION GUIDE
09	**GA18-2017-0			IBM 3276 CONTROL UNIT DISPLAY STATION SETUP INSTRUCTIONS
15	**GA18-2018-0			3287 PRINTER SITE PLANNING GUIDE
04	GA19-0034-3			IBM 1275 OPTICAL READER SORTER FOR SYSTEM/360 AND SYSTEM/370
04	GA19-0036-3#			PAPER AND PRINT QUALITY REQUIREMENTS FOR IBM 1270 AND 1275 OPTICAL READER SORTERS
04	GA19-0049-0	**GN19-0100	**GN19-0120	IBM SYSTEM/360 AND SYSTEM/370 COMPONENT DESCRIPTION AND OPERATING PROCEDURES: IBM 1288 OPTICAL PAGE READER, MODEL 1
04	GA19-0050-1	**GN19-0313		IBM SYSTEM/360 AND SYSTEM/370 COMPONENT DESCRIPTION AND OPERATING PROCEDURES FOR IBM 1287 OPTICAL READER MODEL 5
14	GA19-5024-1	**GN19-6275		IBM 3270 INFORMATION DISPLAY SYSTEM: 5926-B03 OPTICAL SCANNER REFERENCE MANUAL RPQS 7B0215 AND U42416
14	GA19-5029-0*			3740 DATA ENTRY SYSTEM: 5926-B03 BAR CODE READER PRINTER DATA STATION, CUSTOM UNIT DESCRIPTION RPQS 7B0215, X64601, 7H0194, X96684, AND X72888
14	GA19-5031-0*			IBM 3740 DATA ENTRY SYSTEM SPECIAL SELF-CHECK NUMBER DEVICE COMPATIBLE WITH HEBREW LANGUAGE FEATURE CUSTOM UNIT DESCRIPTION RPQ X15169 3741 AND 3742, 128-CHARACTER MACHINE
14	GA19-5052-3			IBM 5937 S01 INDUSTRIAL TERMINAL COMPONENT DESCRIPTION RPQ 750052, 750058, 750061
14	GA19-5057-2*	**GN19-6403		IBM 3767 COMMUNICATION TERMINAL OPERATOR S GUIDE, RPQ X71429, DOCUMENT INSERTION DEVICE
14	GA19-5059-0*			WORLD TRADE ADDENDUM TO IBM 3767 MODELS 1 AND 2 COMMUNICATION TERMINAL COMPONENT DESCRIPTION OPERATOR S GUIDE RPQ X74189 LARGE CHARACTER PRINT
14	**GA19-5084-0*			5230 DATA COLLECTION SYSTEM USER S GUIDE SUPPLEMENT, IN/OUT CLOCKING RPQ X95797
14	**GA19-5087-0*			IBM 3270 INFORMATION DISPLAY SYSTEM: 5914 DOCUMENT INSCRIBE USER S GUIDE, RPQ U74485 MODEL U01 - 7U0007 MODEL U02
14	**GA19-5089-0*			5230 DATA COLLECTION SYSTEM, DIGITAL INPUT ATTACHMENT TO 5235: RPQ X55062 - WORLD TRADE, RPQ 7S0231 - CANADA, USER S GUIDE
00	GA21-9001-0			IBM 1060 CONFIGURATOR
15	GA21-9010-3			IBM 1060 DATA COMMUNICATIONS SYSTEM INSTALLATION MANUAL - PHYSICAL PLANNING
02	GA21-9025-4#			IBM 1442-N1 AND N2 COMPONENT DESCRIPTION AND OPERATING PROCEDURES - SRL MANUAL
02	GA21-9026-3			IBM 2501 MODELS B1 AND B2 COMPONENT DESCRIPTION AND OPERATING PROCEDURES
02	GA21-9027-4=			IBM 2520-B1, B2, AND B3, COMPONENT DESCRIPTION AND OPERATING PROCEDURES - SRL MANUAL
09	GA21-9028-2			IBM 357/1030/2790 BADGE SPECIFICATIONS
02	GA21-9033-3			IBM SYSTEM/360 COMPONENT DESCRIPTION AND OPERATING PROCEDURES, IBM 2540 CARD READ PUNCH - SRL MANUAL
09	GA21-9041-0			IBM 1035 COMPONENT DESCRIPTION AND OPERATING PROCEDURES
04	GA21-9064-7			IBM SYSTEM/360 COMPONENT DESCRIPTION AND OPERATING PROCEDURES IBM 1287 OPTICAL READER
10	GA21-9078-2			IBM 5486 CARD SORTER OPERATOR S GUIDE
04	GA21-9081-4	**GN21-0252		IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 1288 OPTICAL PAGE READER MODEL 1
02	GA21-9124-5			IBM 3504 CARD READER/IBM 3505 CARD READER AND IBM 3525 CARD PUNCH SUBSYSTEM
08	GA21-9131-5#			3741 DATA STATION OPERATOR S GUIDE
08	GA21-9136-4#			3742 DUAL DATA STATION OPERATOR S GUIDE
04	GA21-9139-0			IBM 1287 OPTICAL READER MODEL 5: GENERAL INFORMATION
04	GA21-9143-2			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	GA21-9147-1	**GN21-0201	**GN21-0227	IBM 3886 OPTICAL CHARACTER READER MODEL I REFERENCE MANUAL
04	GA21-9148-3			IBM 3886 OPTICAL CHARACTER READER INPUT DOCUMENT DESIGN GUIDE AND SPECIFICATIONS
04	GA21-9150-1			IBM SYSTEM/360 AND SYSTEM/370 COMPONENT DESCRIPTION AND OPERATING PROCEDURES: IBM 1287 OPTICAL READER, MODEL 5
08	GA21-9152-3			IBM 3740 DATA ENTRY SYSTEM - SYSTEM SUMMARY AND INSTALLATION PLANNING
04	GA21-9154-2			IBM 3886 OPTICAL CHARACTER READER MODEL 2 COMPONENT REFERENCE MANUAL
02	GA21-9167-0	**GN21-0197		IBM SYSTEM/370: 5425 MULTI-FUNCTION CARD UNIT PROGRAMMER S REFERENCE MANUAL AND OPERATOR S GUIDE
08	GA21-9170-2			IBM 3747 DATA CONVERTER REFERENCE MANUAL & OPERATOR S GUIDE
08	**GA21-9182-3			THE IBM DISKETTE: GENERAL INFORMATION MANUAL

08	GA21-9183-3			IBM 3741 DATA STATION REFERENCE MANUAL
08	GA21-9184-3			IBM 3742 DUAL DATA STATION REFERENCE MANUAL
08	GA21-9194-3			IBM 3741 MODELS 3 AND 4 PROGRAMMABLE WORK STATION PROGRAMMING REFERENCE MANUAL
30	GA21-9195-1			A PROGRAMMER S INTRODUCTION TO THE APPLICATION CONTROL LANGUAGE FOR 3741 MODELS 3 & 4 PROGRAMMING WORKSTATION
08	GA21-9196-2			IBM 3741 MODELS 3 AND 4 PROGRAMMABLE WORK STATION GENERAL INFORMATION
08	GA21-9197-1#			IBM 3540 DISKETTE INPUT/OUTPUT UNIT OPERATOR S GUIDE AND PROGRAMMER S REFERENCE MANUAL
14	GA21-9221-1			IBM 3742 DUAL DATA STATION FUNCTION CONTROL FEATURE REFERENCE MANUAL SUPPORTING RPQ 843866
14	GA21-9224-0+			IBM 3740 DATA ENTRY SYSTEM ASCII RPQ REFERENCE MANUAL SUPPORTING RPQS S40064, S40075, and S40081
14	GA21-9240-1			3741 READER/PUNCH ATTACHMENT FEATURE RPQ GF2495 REFERENCE MANUAL AND OPERATOR S GUIDE
09	GA22-6846-4			IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2702 TRANSMISSION CONTROL
09	GA22-6864-5#			IBM 2701 DATA ADAPTER UNIT COMPONENT DESCRIPTION
05	GA22-6866-6#			SYSTEM/360 COMPONENT DESCRIPTIONS: 2400-SERIES MAGNETIC TAPE UNITS, 2803/2804 TAPE CONTROLS, AND 2816 SWITCHING UNIT MODEL 1
01	GA22-6877-5#			IBM SYSTEM/360 COMPONENT DESCRIPTIONS AND OPERATING PROCEDURES IBM 1052 PRINTER-KEYBOARD MODEL 7 WITH IBM 2150 CONSOLE
07	GA22-6895-3			IBM SYSTEM/360 COMPONENT DESCRIPTIONS - 2820 STORAGE CONTROL AND 2301 DRUM STORAGE
01	GA22-6935-1			IBM SYSTEM/370 MODEL 165 FUNCTIONAL CHARACTERISTICS
01	GA22-6942-2#			IBM SYSTEM/370 MODEL 155 FUNCTIONAL CHARACTERISTICS
01	GA22-6943-4#			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	GA22-6954-1			IBM SYSTEM/360 AND SYSTEM/370 MODEL 195 OPERATING PROCEDURES
13	GA22-6955-1			IBM SYSTEM/370 SPECIAL FEATURE DESCRIPTION: 709/7090/7094/7094 II COMPATIBILITY FEATURE FOR IBM SYSTEM/370 MODEL 165
00	GA22-6956-0			IBM SYSTEM/370 MODEL 165 CONFIGURATOR
00	GA22-6957-1			IBM SYSTEM/370 MODEL 155 CONFIGURATOR
13	GA22-6958-1			7070/7074 COMPATIBILITY FEATURE FOR IBM SYSTEM/370 MODELS 165, 165 II, and 168
01	GA22-6962-1	**GN22-0400	**GN22-0463	IBM SYSTEM/370 MODEL 155 CHANNEL CHARACTERISTICS
		**GN22-0478		
13	GA22-6963-1			7080 COMPATIBILITY FEATURE FOR IBM SYSTEM/370 MODELS 165, 165 II, and 168
01	GA22-6966-1			IBM SYSTEM/370 MODEL 155 OPERATING PROCEDURES
10	GA22-6968-3#			IBM 129 CARD DATA RECORDER OPERATOR S REFERENCE MANUAL
01	GA22-6969-1	**GN22-0481		IBM SYSTEM/370 MODEL 165 OPERATING PROCEDURES
13	GA22-6983-0			SYSTEM/370 SPECIAL FEATURE: CHANNEL-TO-CHANNEL ADAPTER
01	GA22-7000-5#			IBM SYSTEM/370 PRINCIPLES OF OPERATION
00	GA22-7001-6#	**GN22-0524	**GN22-0520	IBM SYSTEM/370 SYSTEM SUMMARY
		**GN22-0531	**GN22-0550	
00	GA22-7002-12			SYSTEM/370 INPUT/OUTPUT CONFIGURATOR
01	GA22-7010-5#			SYSTEM/370 MODEL 168 FUNCTIONAL CHARACTERISTICS MANUAL
01	GA22-7011-4#	**GN22-0518	**GN22-0522	IBM SYSTEM/370 MODEL 158 FUNCTIONAL CHARACTERISTICS
01	GA22-7012-2#	**GN22-0513	**GN22-0543	IBM SYSTEM/370 MODEL 158 CHANNEL CHARACTERISTICS
00	GA22-7013-3#			SYSTEM/370 MODEL 158 CONFIGURATOR
00	GA22-7014-1			SYSTEM/370 MODEL 168 CONFIGURATOR
13	GA22-7016-0			IBM SYSTEM/370 MODEL 165 II DYNAMIC ADDRESS TRANSLATION FACILITY
13	GA22-7017-0	**GN22-0464	**GN22-0476	IBM SYSTEM/370 MODEL 155 II DYNAMIC ADDRESS TRANSLATION FACILITY
01	GA22-7056-0	**GN22-0548		IBM SYSTEM/370 MODEL 158 HIERARCHICAL MONITORING SYSTEM, FEATURE DESCRIPTION
01	GA22-7060-0			IBM SYSTEM/370 3033 PROCESSOR FUNCTIONAL CHARACTERISTICS
01	**GA22-7061-0			IBM 3032 PROCESSOR COMPLEX FUNCTIONAL CHARACTERISTICS
00	**GA22-7062-0			IBM 3032 PROCESSOR COMPLEX CONFIGURATOR
00	GA22-7065-0			IBM SYSTEM/370 3033 PROCESSOR CONFIGURATOR
01	**GA22-7066-0			IBM 3031 PROCESSOR COMPLEX FUNCTIONAL CHARACTERISTICS
00	**GA22-7071-0			IBM 3031 PROCESSOR COMPLEX CONFIGURATION CHART
09	GA24-1029-4			IBM 1001 DATA TRANSMISSION SYSTEM
04	GA24-1499-8#			IBM 1219 READER SORTER IBM 1419 MAGNETIC CHARACTER READER
09	GA24-3018-5			IBM 1030 DATA COLLECTION SYSTEM
09	GA24-3020-4			IBM 1050 REFERENCE DIGEST
15	GA24-3021-5			IBM 1030 DATA COLLECTION SYSTEM INSTALLATION MANUAL - PHYSICAL PLANNING
15	GA24-3022-5			IBM 1050 DATA COMMUNICATIONS SYSTEM INSTALLATION MANUAL, PHYSICAL PLANNING
09	GA24-3034-2			IBM 1060 DATA COMMUNICATIONS SYSTEM
00	GA24-3045-4			IBM 1030 CONFIGURATOR
03	GA24-3073-10#			IBM 1403 PRINTER COMPONENT DESCRIPTION
03	GA24-3120-7			IBM 1443 PRINTER MODELS 1 THROUGH 4 AND N1, AND 1445 PRINTER MODELS 1 AND N1: COMPONENT DESCRIPTION
09	GA24-3125-3			IBM 1050 OPERATOR S GUIDE
09	GA24-3266-1			IBM 1092 AND 1093 PROGRAMMED KEYBOARDS
03	GA24-3312-8#			IBM 2821 CONTROL UNIT COMPONENT DESCRIPTION
13	GA24-3342-0			BATCH NUMBERING FEATURE FOR IBM 1241 AND 1419 MAGNETIC INK CHARACTER RECOGNITION READERS
08	GA24-3388-6#			IBM 2671 PAPER TAPE READER, IBM 2822 PAPER TAPE READER CONTROL - COMPONENT DESCRIPTION
09	GA24-3403-4#			IBM 2740 COMMUNICATION TERMINALS MODEL 1 AND 2 COMPONENT DESCRIPTION
09	GA24-3415-3#			IBM 2741 COMMUNICATION TERMINAL

09	GA24-3426-0			IBM 2712 REMOTE MULTIPLEXOR
15	GA24-3435-5	**GN27-3164		PLANNING AND INSTALLATION OF A DATA COMMUNICATION SYSTEM USING IBM LINE ADAPTERS
09	GA24-3471-1			IBM 1050 SYSTEM SUMMARY
09	GA24-3474-1			IBM 1050 DATA COMMUNICATION SYSTEM PRINCIPLES OF OPERATION
03	**GA24-3488-11	**GN24-0809		FORM DESIGN REFERENCE GUIDE FOR PRINTERS
04	GA24-3500-2			IBM 1259 MAGNETIC CHARACTER READER COMPONENT DESCRIPTION
15	GA24-3516-3			IBM 2938 ARRAY PROCESSOR MODEL 1 RPQ W24563, MODEL 2 RPQ 815188 INSTALLATION MANUAL - PHYSICAL PLANNING
04	GA24-3542-2			IBM 1255 MAGNETIC CHARACTER READER MODELS 1, 2, AND 3 COMPONENT DESCRIPTION
03	GA24-3543-7	**GN24-0800		IBM 3211 PRINTER 3216 INTERCHANGEABLE TRAIN CARTRIDGE AND 3811 PRINTER CONTROL UNIT COMPONENT DESCRIPTION AND OPERATOR S GUIDE
01	GA24-3550-2			IBM 3215 CONSOLE PRINTER-KEYBOARD COMPONENT DESCRIPTION
01	GA24-3552-2			IBM 3210 CONSOLE PRINTER-KEYBOARDS COMPONENT DESCRIPTION
01	GA24-3557-8#	**GN24-0794		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
15	GA24-3566-2#			IBM 1972 MODEL 3 PRODUCTION TERMINAL IBM 1972 MODEL 4 INSTRUCTION CONSOLE INSTALLATION MANUAL PHYSICAL PLANNING COMPONENT DESCRIPTION
01	GA24-3573-2#			IBM SYSTEM/370 MODEL 145 CHANNEL CHARACTERISTICS
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/VS 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/VS PRPQ : PLANNING GUIDE, PROG. NO. 5799-ADT
35	GA24-3604-1	**GN33-7051		EMULATOR FOR HONEYWELL SERIES 200 ON SYSTEM/370 USING DOS AND DOS/VS PRPQ , PROG. NO. 5799-ADT
35	GA24-3605-1	**GN33-7052		IBM EMULATOR MANUAL FOR RCA 301 ON SYSTEM/370 USING DOS & DOS/VS, PROG. NO. 5799-ADR
04	GA24-3612-4			IBM 3890 DOCUMENT PROCESSOR MACHINE AND PROGRAMMING DESCRIPTION
04	GA24-3619-3			3890 DOCUMENT PROCESSOR OPERATOR S GUIDE
04	**GA24-3620-0			IBM 3895 DOCUMENT READER/INSCRIBER - MACHINE AND PROGRAMMING DESCRIPTION
01	GA24-3632-0			SYSTEM/370 MODEL 138 FUNCTIONAL CHARACTERISTICS
01	**GA24-3633-0			IBM SYSTEM/370 MODEL 138 CHANNEL CHARACTERISTICS
01	GA24-3634-1#			SYSTEM/370 MODEL 148 FUNCTIONAL CHARACTERISTICS
	GA24-3634-0#			
01	**GA24-3635-0			IBM SYSTEM/370 MODEL 148 CHANNEL CHARACTERISTICS
04	GA24-3638-0			IBM 3896 TAPE-DOCUMENT CONVERTER MACHINE DESCRIPTION AND OPERATOR S GUIDE
08	GA24-3639-1#			IBM 3838 ARRAY PROCESSOR FUNCTIONAL CHARACTERISTICS
04	GA24-3640-1			IBM 3895 DOCUMENT READER/INSCRIBER - INPUT DOCUMENT DESIGN GUIDELINES
15	**GA24-3641-2			IBM 3895 DOCUMENT READER/INSCRIBER, INSTALLATION MANUAL - PHYSICAL PLANNING
15	**GA24-3643-0			IBM 3896 TAPE-DOCUMENT CONVERTER INSTALLATION MANUAL - PHYSICAL PLANNING
04	**GA24-3645-1	**GN24-0807		IBM 3895 DOCUMENT READER/INSCRIBER - GENERAL INFORMATION
04	GA24-3656-0			IBM 3890 DOCUMENT PROCESSOR MODELS C AND D OPERATOR S GUIDE
04	**GA24-3664-0			IBM 3895 DOCUMENT READER/INSCRIBER OPERATOR S GUIDE
07	GA26-1589-3	**GN26-0336		COMPONENT SUMMARY-2835 STORAGE CONTROL 2305 FIXED HEAD STORAGE
07	GA26-1592-5			REFERENCE MANUAL FOR IBM 3830 STORAGE CONTROL AND IBM 3330 DISK STORAGE
14	GA26-1599-2	**GN26-0289		IBM 2730 MODEL 1 TRANSACTION VALIDATION TERMINAL, IBM 2968 MODEL 9 AND MODEL 12 RECEIVER-TERMINAL CONTROL UNIT
15	GA26-1600-1			2730 MODEL 1, 2968 MODEL 9, AND 2968 MODEL 12: INSTALLATION MANUAL - PHYSICAL PLANNING
07	GA26-1606-2			IBM 2319 DISK STORAGE - A-SERIES, COMPONENT DESCRIPTION
07	GA26-1615-4			INTRODUCTION IBM 3330 A-SERIES DISK STORAGE - SYSTEM LIBRARY
07	GA26-1617-5			REFERENCE MANUAL FOR IBM 3830 STORAGE CONTROL MODEL 2
07	GA26-1619-5	**GN26-0333		IBM 3340 COMPONENT SUMMARY
07	GA26-1620-3	**GN26-0332		REFERENCE MANUAL FOR IBM INTEGRATED STORAGE CONTROL
15	GA26-1621-1			INSTALLATION MANUAL PHYSICAL PLANNING IBM 2984 MODEL 1 CASH ISSUING TERMINAL RPQ 834660
07	GA26-1625-1			IBM 3348 DATA MODULE HANDLING PROCEDURES
07	GA26-1630-1			IBM 3330 SERIES DISK STORAGE MODEL 1 TO MODEL 11. ELEVEN CUSTOMER CONVERSION GUIDE
13	GA26-1632-1			IBM 3340 DISK/STORAGE - FIXED HEAD FEATURE USERS GUIDE
03	GA26-1633-2			FORMS DESIGN REFERENCE GUIDE FOR THE IBM 3800 PRINTING SUBSYSTEM.
03	GA26-1634-3			IBM 3800 PRINTING SUBSYSTEM OPERATORS GUIDE
03	GA26-1635-1			REFERENCE MANUAL FOR THE IBM 3800 PRINTING SUBSYSTEM
07	GA26-1638-2#			IBM 3350 DIRECT ACCESS STORAGE REFERENCE MANUAL
03	GA26-1646-0			3800 PRINTING SUBSYSTEM REFERENCE: OCR DOCUMENT PREPARATION
05	GA26-1647-1			3803-3/3420-3, 5 MAGNETIC TAPE SUBSYSTEM
13	**GA26-1653-1			INTRODUCING THE IBM 3800 TAPE-TO-PRINTING SUBSYSTEM FEATURE AND ITS UTILITY, PROG PROD 5748-UT2
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
07	GA26-5756-10			IBM DISK PACK AND CARTRIDGE HANDLING PROCEDURES
02	GA26-5893-7			IBM 2560 MULTI-FUNCTION CARD MACHINE: COMPONENT DESCRIPTION AND OPERATING PROCEDURES
07	GA26-5988-7			IBM SYSTEM/360 COMPONENT DESCRIPTIONS--2841 AND ASSOCIATED DASD

06	GA27-2700-5			IBM SYSTEM/360 COMPONENT DESCRIPTION: IBM 2260 DISPLAY STATION
06	GA27-2701-3			IBM 2848 DISPLAY CONTROL
06	GA27-2702-0			IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2250 DISPLAY UNIT MODEL 1
09	GA27-2703-2#			IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2250 DISPLAY UNIT MODEL 2 IBM 2840 DISPLAY CONTROL MODEL 1
09	GA27-2704-1			IBM 2703 TRANSMISSION CONTROL COMPONENT DESCRIPTION IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2711 LINE ADAPTER UNIT
09	GA27-2712-1			COMPONENT DESCRIPTION: IBM 7770 AUDIO RESPONSE UNIT MODEL 3
06	GA27-2721-1			IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2250 DISPLAY UNIT MODEL 3 IBM 2840 DISPLAY CONTROL MODEL 2
10	GA27-2725-2	**GN22-0341	**GN22-0340	IBM 50 MAGNETIC DATA INSCRIBER COMPONENT DESCRIPTION
		**GN22-0339	**GN22-0331	
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
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 IBM 2909-3 ASYNCHRONOUS DATA CHANNEL RPQ F13299 CUSTOM FEATURE DESCRIPTION
14	GA27-2737-0			AN INTRODUCTION TO THE IBM 3270 INFORMATION DISPLAY SYSTEM IBM 7412 MODEL 1 CONSOLE, CUSTOM SYSTEMS RPQ AA2846, CUSTOM FEATURE DESCRIPTION
09	GA27-2739-7			INSTALLATION BULLETIN PHYSICAL PLANNING FOR IBM 7412 CONSOLE MODEL 1 CUSTOM SYSTEMS RPQ AA2846
14	GA27-2740-0			OPERATOR S GUIDE FOR IBM 3270 INFORMATION DISPLAY SYSTEMS IBM 3270 INFORMATION DISPLAY SYSTEM COMPONENT DESCRIPTION IBM 3270 PROBLEM DETERMINATION GUIDE
15	GA27-2741-0			IBM 3284/3286 PRINTER CUSTOM FEATURE DESCRIPTION MARGIN STOP VARIABLE RPQ =EB3995
09	GA27-2742-5			IBM 3284/3286 PRINTER CUSTOM FEATURE DESCRIPTION VERTICAL FORMS INDEX CONTROL RPQ EB4324
09	GA27-2749-6			IBM 3270 INFORMATION DISPLAY SYSTEM CUSTOM FEATURE DESCRIPTION, DUAL CASE CHARACTER SET RPQ 8K0366
09	GA27-2750-4			IBM 3270 INFORMATION DISPLAY SYSTEM: A HUMAN FACTORS STUDY OF WORK STATION DESIGN
14	GA27-2752-0			A GUIDE TO 60 HERTZ UPS SELECTION
14	GA27-2753-3			A GUIDE TO 50 HERTZ UPS SELECTION
14	GA27-2758-0			A UPS INSTALLATION PLANNING GUIDE
09	GA27-2759-0			IBM 3284/3286 PRINTER CUSTOM FEATURE DESCRIPTION: FORMS TRACTOR RPQ WD 4031
01	GA27-2770-1			A GUIDE TO USING THE TEST REQUEST FEATURE ON IBM 3270 INFORMATION DISPLAY SYSTEMS
01	GA27-2771-1			IBM 3270 INFORMATION DISPLAY SYSTEM CUSTOM FEATURE DESCRIPTION SIGNATURE DISPLAY RPQS 7U0010, 8K0438
01	GA27-2772-1			IBM 3270 INFORMATION DISPLAY SYSTEM INSTALLATION MANUAL--PHYSICAL PLANNING
14	GA27-2773-1			AN INTRODUCTION TO THE IBM 3270 DATA ANALYSIS - APL FEATURE ASSEMBLY OF COAXIAL CABLES AND ACCESSORIES FOR ATTACHMENT TO IBM PRODUCTS
13	GA27-2774-3			IBM 3270 INFORMATION DISPLAY SYSTEM SETUP PLANNING GUIDE: IBM 3274 CONTROL UNIT, IBM 3276 CONTROL UNIT/DISPLAY STATION, IBM 3278 DISPLAY STATION, IBM 3287 PRINTER, IBM 3289 LINE PRINTER
14	GA27-2775-2			IBM 3270 INFORMATION DISPLAY SYSTEM CHARACTER SET REFERENCE IBM 3270 INFORMATION DISPLAY SYSTEM 3278 DISPLAY STATION PROBLEM DETERMINATION GUIDE
15	GA27-2787-1			IBM 3270 INFORMATION DISPLAY SYSTEM CONFIGURATOR IBM 3270 INFORMATION DISPLAY SYSTEM DESCRIPTION, CONFIGURATION, AND PHYSICAL PLANNING 3274, 3276, 3278, 3287, 3289
13	GA27-2788-0			IBM 3270 INFORMATION DISPLAY SYSTEM RPQ DESCRIPTION MULTI-FIELD IMAGE DISPLAY RPQ MF3288
15	GA27-2805-0			IBM 3845 DATA ENCRYPTION DEVICE, IBM 3846 DATA ENCRYPTION DEVICE, GENERAL INFORMATION
09	GA27-2827-1			IBM 3276 CONTROL UNIT DISPLAY STATION MODELS 11, 12, 13, AND 14 ENCRYPT/DECRYPT FEATURE #3680 DESCRIPTION
09	**GA27-2837-0			IBM 2740/2741 COMMUNICATIONS TERMINAL - OPERATOR S GUIDE GENERAL INFORMATION - BINARY SYNCHRONOUS COMMUNICATIONS
09	**GA27-2839-0			IBM 2780 DATA TRANSMISSION TERMINAL - COMPONENT DESCRIPTION IBM REMOTE MULTIPLEXERS AND COMMUNICATIONS TERMINALS INSTALLATION MANUAL - PHYSICAL PLANNING
00	**GA27-2849-0			IBM 2760 OPTICAL IMAGE UNIT COMPONENT DESCRIPTION SYSTEM COMPONENTS: IBM 2770 DATA COMMUNICATION SYSTEM
09	**GA27-2861-0			IBM 2790 DATA COMMUNICATION SYSTEM COMPONENT DESCRIPTION IBM 2790 DATA COMMUNICATION SYSTEM INSTALLATION MANUAL PHYSICAL PLANNING
14	**GA27-2862-1			IBM 2770 DATA COMMUNICATION SYSTEM INSTALLATION MANUAL--PHYSICAL PLANNING
09	**GA27-2865-0			IBM 2790 CONFIGURATOR 2721 PORTABLE AUDIO TERMINAL
13	**GA27-2869-0			IBM 2790 DATA COMMUNICATION SYSTEM OPERATOR S GUIDE OPERATOR S GUIDE: IBM 2770 DATA COMMUNICATION SYSTEM IBM 2721 PORTABLE AUDIO TERMINAL OPERATOR S HANDBOOK IBM 3735 PROGRAMMABLE BUFFERED TERMINAL CONCEPT AND APPLICATION
09	GA27-3001-1			IBM 2976 MOBILE TERMINAL SYSTEM CUSTOM SYSTEM DESCRIPTION OPERATOR S GUIDE - PHYSICAL PLANNING
09	GA27-3004-2#			
09	GA27-3005-3			
15	GA27-3006-6	**GN27-3197	**GN27-3201	
		**GN27-3209	**GN27-3213	
09	GA27-3011-1			
09	GA27-3013-2			
09	GA27-3015-3#			
15	GA27-3017-7#	**GN27-3227		
15	GA27-3019-3	**GN27-3130		
00	GA27-3021-2			
09	GA27-3029-1			
09	GA27-3035-3			
09	GA27-3038-1			
09	GA27-3039-0			
09	GA27-3043-2			
15	GA27-3044-1			

09	GA27-3051-3			INTRODUCTION TO THE 3704 & 3705 COMMUNICATIONS CONTROLLERS
09	GA27-3058-3	**GN27-3192		IBM 3872 MODEM USER S GUIDE
09	GA27-3061-2			IBM 3735 PROGRAMMABLE BUFFERED TERMINAL OPERATOR S GUIDE
09	GA27-3062-2			IBM 3872 MODEM PROBLEM DETERMINATION CARD
09	GA27-3063-3#			COMPONENT INFORMATION FOR THE IBM 3780 DATA COMMUNICATION TERMINAL
14	GA27-3066-2			SUPPLEMENTARY OPERATOR S AND PROGRAMMER S GUIDE INFORMATION
14	GA27-3069-0			CARD IBM 3735 WITH IBM 129 CARD DATA RECORDER RPQ=EB1935
14	GA27-3073-0			SUPPLEMENTARY OPERATOR S AND PROGRAMMER S GUIDE INFORMATION
09	GA27-3086-1#	**GN27-3182	**GN27-3174	IBM 3735 WITH IBM KEYPAD UNIT AND FILE SEARCH RPQ =853102
09	GA27-3087-2	**GN27-3194	**GN27-3215	IBM 3735 WITH AUTO FDP EXECUTION RPQ =MB7057 OPERATOR S CARD
09	GA27-3091-2	**GN27-3202	**GN27-3228	GUIDE TO USING THE IBM 3704 COMMUNICATIONS CONTROLLER CONTROL PANEL
09	GA27-3092-1	**GN27-3222		GUIDE TO USING THE IBM 3705 CONTROL PANEL
09	GA27-3093-1			IBM 3704 OPERATOR REFERENCE SUMMARY
09	GA27-3094-3			IBM 3705 OPERATOR REFERENCE SUMMARY
09	GA27-3095-4			SYNCHRONOUS DATA LINK CONTROL GENERAL INFORMATION
09	GA27-3096-3			OPERATING PROCEDURES GUIDE: IBM 3774 AND 3775 COMMUNICATION TERMINALS
09	GA27-3097-5#	**GN27-3212	**GN27-3217	REFERENCE CARD: IBM 3774 AND 3775 COMMUNICATION TERMINALS
09	GA27-3100-2			IBM 3767 MODELS 1 & 2 COMMUNICATION TERMINAL COMPONENT DESCRIPTION
09	GA27-3101-2			IBM 3770 DATA COMMUNICATION SYSTEM-- SYSTEM COMPONENTS
09	GA27-3102-0			ADVANCED FUNCTION FOR COMMUNICATIONS: SYSTEM SUMMARY
09	GA27-3103-3			OPERATING PROCEDURES GUIDE: IBM 3771 AND 3773 COMMUNICATION TERMINAL
15	GA27-3104-3			IBM 3771 AND 3773 COMMUNICATION TERMINALS REFERENCE SUMMARY
09	GA27-3106-2	**GN27-3198	**GN27-3203	SYSTEMS NETWORK ARCHITECTURE GENERAL INFORMATION MANUAL
09	GA27-3107-2			3770 DATA COMMUNICATION SYSTEM CUSTOMER SITE PREPARATION GUIDE
09	GA27-3108-2			3767 COMMUNICATION TERMINAL CUSTOMER SITE PREPARATION GUIDE
09	**GA27-3113-4			OPERATOR S INTRODUCTION TO THE 3767 COMMUNICATION TERMINAL
09	GA27-3114-1	**GN27-3206	**GN27-3216	OPERATING PROCEDURES GUIDE: IBM 3776 COMMUNICATION TERMINAL
09	GA27-3116-0			IBM 3776 COMMUNICATION TERMINAL REFERENCE SUMMARY
15	GA27-3120-1			IBM 3773, 3774, AND 3775 PROGRAMMABLE COMMUNICATION TERMINALS REFERENCE SUMMARY
14	GA27-3123-1			OPERATOR S GUIDE
09	GA27-3124-0	**GN27-3199	**GN27-3208	IBM SYSTEMS NETWORK ARCHITECTURE INTRODUCTION
09	GA27-3125-1			IBM 2790 INSTALLER S GUIDE
14	GA27-3126-1			3767 COMMUNICATION TERMINAL FRONT DOCUMENT INSERT DEVICE
14	GA27-3127-0			USER S INFORMATION ADDENDUM RPQ MF5272
09	GA27-3129-2			OPERATING PROCEDURES GUIDE: IBM 3777 COMMUNICATION TERMINAL
07	**GA27-3130-2			3777 COMMUNICATION TERMINAL REFERENCE SUMMARY
09	GA27-3131-0			3767 COMMUNICATION TERMINAL PINFEED PLATEN USER INFORMATION
09	GA27-3132-0			RPQ EG0314 AND 851142
30	GA27-3136-0			3767 COMMUNICATION TERMINAL INTEGRATED MODEM WITH
09	**GA27-3142-0			AUTO-ANSWER AND DIAL DISCONNECT RPQ 853134 USER INFORMATION ADDENDUM
14	**GA27-3143-0			IBM 3777 MODEL 2 COMMUNICATION TERMINAL OPERATOR S GUIDE
05	GA32-0006-4			IBM 3777 MODEL 2 COMMUNICATION TERMINAL REFERENCE SUMMARY
05	GA32-0007-2			3771, 3773, AND 3774 COMMUNICATION TERMINALS
05	GA32-0020-3			OPERATOR TIPS
05	GA32-0021-1			3775 AND 3776 COMMUNICATION TERMINALS AND IBM 3784
05	GA32-0022-0			LINE PRINTER OPERATOR TIPS
85	GA32-0023-2	**GN32-0011	**GN32-0019	IBM SYSTEMS NETWORK ARCHITECTURE REFERENCE SUMMARY
07	GA32-0028-2	**GN32-0012	**GN32-0014	IBM 3773, 3774, AND 3775 PROGRAMMABLE COMMUNICATION
07	GA32-0029-2#	**GN32-0015		TERMINALS PROGRAMMER S HANDBOOK
07	GA32-0030-2#	**GN32-0017		IBM 3773 AND 3774 PROGRAMMABLE COMMUNICATION TERMINALS
07	GA32-0030-1#			OPERATOR S GUIDE FOR PINFEED PLATEN RPQ MJ0436
07	GA32-0031-1	**GN32-0018		TAPE SPECIFICATIONS FOR IBM ONE-HALF INCH TAPE DRIVES AT:
09	GA33-0001-2	**GN33-0016		556 AND 800 BPI AND 3200 FCI
09	GA33-0002-4	**GN33-0015		COMPONENT DESCRIPTION IBM 2420 MODEL 5 MAGNETIC TAPE UNIT
01	GA33-1506-3	**GN33-1706		3803/3420 MAGNETIC TAPE SUBSYSTEMS
00	GA33-1507-6			IBM 3803-2/3420 MAGNETIC TAPE SUBSYSTEMS
00	GA33-1508-1	**GN19-6259		SUBSYSTEM DESCRIPTION
01	GA33-1509-1	**GN33-1604	**GN33-1628	IBM 3410/3411 MAGNETIC TAPE SUBSYSTEM COMPONENT DESCRIPTION
01	GA33-1510-1	**GN33-1671	**GN33-1678	MANUAL
01	GA33-1510-1	**GN33-1620	**GN33-1673	IBM 3803/3420 CUSTOMER CONVERSION GUIDE
00	GA33-1511-6	**GN33-1679	**GN33-1689	INTRODUCTION TO THE IBM 3850 MASS STORAGE SYSTEM MSS
01	GA33-1512-0	**GN33-1616	**GN33-1682	IBM 3850 MASS STORAGE SYSTEM MSS PRINCIPLES OF OPERATION
00	GA33-1513-0	**GN33-1722	**GN19-6258	IBM 3850 MASS STORAGE SYSTEM MSS
				INSTALLATION GUIDE
				3850 DATA CARTRIDGE CARE AND HANDLING INSTRUCTIONS
				IBM 3875 MODEM USER S GUIDE
				IBM 3874 MODEM USER S GUIDE
				IBM SYSTEM/370 MODEL 125 FUNCTIONAL CHARACTERISTICS
				IBM SYSTEM/370 MODEL 125 CONFIGURATOR
				IBM 3125 PROCESSING UNIT INTEGRATED COMMUNICATIONS ADAPTER:
				CONFIGURATOR MANUAL
				OPERATOR S LIBRARY: SYSTEM/370 MODEL 125 PROCEDURES
				IBM SYSTEM/370 MODEL 115 FUNCTIONAL CHARACTERISTICS
				IBM SYSTEM/370 MODEL 115 CONFIGURATOR
				IBM SYSTEM/370 MODEL 125 CHANNEL CHARACTERISTICS
				IBM 3115 PROCESSING UNIT INTEGRATED COMMUNICATIONS ADAPTER
				CONFIGURATOR

01	GA33-1514-1#	**GN33-1674	**GN33-1677	OPERATOR S LIBRARY SYSTEM/370 MODEL 115 PROCEDURES
		**GN33-1687	**GN33-1707	
03	GA33-1515-4	**GN33-1723	**GN33-1726	IBM 3203 PRINTER COMPONENT DESCRIPTION AND OPERATOR S GUIDE
01	GA33-1516-0	**GN33-1627	**GN33-1615	IBM SYSTEM/370 MODEL 115 CHANNEL CHARACTERISTICS
		**GN33-1675	**GN33-1681	
03	GA33-1519-1			IBM 3203 PRINTER REFERENCE SUMMARY FOR OPERATORS
01	GA33-1520-0	**GN33-1683	**GN33-1721	SYSTEM/370 MODEL 115 CHANNEL CHARACTERISTICS FOR SYSTEMS WITH IBM 3115-2 PROCESSING UNIT
03	GA33-1521-0			IBM 3203 MODEL 3 PRINTER REFERENCE SUMMARY FOR OPERATIONS
01	GA33-3005-8#	**GN24-0771		IBM SYSTEM/370 MODEL 135 FUNCTIONAL CHARACTERISTICS
13	GA33-3007-3#			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	GA33-3009-3#			IBM SYSTEM/370 MODEL 135-SYNCHRONOUS DATA ADAPTER TYPE II FOR ICA : SPECIAL FEATURE DESCRIPTION
01	GA33-3010-2			IBM SYSTEM/370 MODEL 135 CHANNEL CHARACTERISTICS
13	GA33-3011-1#			IBM SYSTEM/370 MODEL 135 - TELEGRAPH ADAPTER TYPE II FOR ICA : SPECIAL FEATURE DESCRIPTION MANUAL
00	GA33-3014-4#			IBM SYSTEM/370 MODEL 135 CONFIGURATOR
	GA33-3014-3#			
14	GA33-3015-2	**GN33-3049		REFERENCE MANUAL FOR IBM 5985 COLOR DISPLAY CONTROL UNIT MODEL H02 AND IBM 5941 DISPLAY CONSOLE, MODEL H02 SEE ABSTRACT FOR RPQS
14	GA33-3016-1	**GN33-3050		IBM 3740 DATA ENTRY SYSTEM SPECIAL SELF-CHECK NUMBER DEVICE CUSTOM UNIT DESCRIPTION
06	**GA33-3035-1+			IBM 3250 GRAPHICS DISPLAY SYSTEM INTRODUCTION
08	GA33-4500-2			IBM SYSTEM/360 COMPONENT DESCRIPTIONS - 2826 PAPER TAPE CONTROL UNIT 1017 PAPER TAPE READER 1018 PAPER TAPE PUNCH
09	GA34-0016-1			IBM 5275 DIRECT NUMERICAL CONTROL STATION INTRODUCTION AND COMPONENT DESCRIPTION
09	GA34-0040-1	**GN34-0357		IBM 5230 DATA COLLECTION SYSTEM USER GUIDE
14	GA34-1507-3#			IBM SYSTEM/7-360/370 CHANNEL ATTACHMENT: GENERAL INFORMATION MANUAL, RPQ D08112
14	GA34-1511-1			SYSTEM/370 IBM 5098-N05 SENSOR BASED CONTROL UNIT GENERAL INFORMATION MANUAL
14	GA34-1531-1			IBM 5275 MACHINE TOOL CONTROL UNIT MCU ACCESSORY RPQ D08286: GENERAL INFORMATION MANUAL
09	GA36-0001-1			IBM 4872 MODEM MODEL 1
14	GA36-0002-1			IBM 4481 FILM READER/RECORDER
14	GA36-0003-1			4481 FILM READER/RECORDER PROGRAMMER S GUIDE
09	GA36-0004-0			IBM 4872 MODEM MODELS 2 AND 3
97	SBOF-2250-0			PTF FOR OS/VS2 SVS
97	SBOF-2251-0			PTF FOR OS/VS2 MVS
50	LBOF-3578-0			IMS/VS VERSION 1 PROGRAM LOGIC MANUALS 3 volumes PROG PROD 5740-XX2
97	SBOF-6375-0			PTF PROGRAM NUMBER 370N-AS 465 ASSEMBLER BASIC MODULES FOR 370 DOS
97	SBOF-6376-0			PTF PROGRAM NUMBER 370N-CL-453 SYS. CONT. AND BASIC IOCS FOR 370 DOS
97	SBOF-6377-0			PTF PROGRAM NUMBER 370N-CQ-469 BTAM FOR 370 DOS
97	SBOF-6378-0			PTF PROGRAM NUMBER 370N-CQ-470 QTAM FOR 370 DOS
97	SBOF-6379-0			PTF PROGRAM NUMBER 370N-DN-481 ON LINE TEST EXEC. PROG. FOR 370 DOS
97	SBOF-6380-0			PTF PROGRAM NUMBER 370N-EU-490 LMULATOR FOR 370 DOS
97	SBOF-6381-0			PTF PROGRAM NUMBER 370N-IO-454 DIRECT ACCESS METHOD FOR 370 DOS
97	SBOF-6382-0			PTF PROGRAM NUMBER 370N-IO-455 CONSECUTIVE DISK IOCS FOR 370 DOS
97	SBOF-6383-0			PTF PROGRAM NUMBER 370N-IO-456 CONSECUTIVE TAPE IOCS FOR 370 DOS
97	SBOF-6384-0			PTF PROGRAM NUMBER 370N-IO-457 ISFMS FOR 370 DOS
97	SBOF-6385-0			PTF PROGRAM NUMBER 370N-IO-458 CONSECUTIVE PT IOCS FOR 370 DOS
97	SBOF-6386-0			PTF PROGRAM NUMBER 370N-IO-476, COMPILER I/O MODULES FOR 370 DOS
97	SBOF-6387-0			PTF PROGRAM NUMBER 370N-IO-477 1259/1412/1419 MICR IOCS FOR 370 DOS
97	SBOF-6388-0			PTF PROGRAM NUMBER 370N-IO-478 OPTICAL CHARACTER READER FOR 370 DOS
97	SBOF-6389-0			PTF PROGRAM NUMBER 370N-CQ-493 3735 TERMINAL SUPPORT FOR 370 DOS
97	SBOF-6390-0			PTF PROGRAM NUMBER 370N-UT-491 SYSTEM UTILITY PROGRAM FOR 370 DOS
97	SBOF-6391-0			PTF PROGRAM NUMBER 370N-UT-492 EREP FOR 370 DOS
97	SBOF-6392-0			PTF PROGRAM NUMBER 370N-SV-495 2311/2314/3330 SUPERVISOR FOR 370 DOS
97	SBOF-6393-0			M20 EMULATOR VERSION 4 PTF S - PROG. NO. 370N-IC-002
97	SBOF-6400-0			PTF LISTINGS FOR OS/VS1
97	SBOF-6401-0			DOS PTF - PROGRAM NUMBER 5744-AS1
97	SBOF-6402-0			155, 158/7074 EMUL PTF PROGRAM NUMBER 5744-AJ1
97	SBOF-6403-0			165, 168/7080 EMULATOR - PTF PROGRAM NUMBER 5744-AL1
97	SBOF-6404-0			165, 168/7094 EMULATOR - PTF PROGRAM NUMBER 5744-AM1
97	SBOF-6405-0			165, 168/7074 EMULATOR PTF LISTINGS FOR PROGRAM NO. 5744-AK1
97	SBOF-6407-0			LMULATOR PTF PROGRAM 5744-AH1
97	SBOF-6440-0			PTFS FOR DOS/VS 14XX LISTINGS, SCP COMPONENTS 5745-SC-EML, 5745-SC-E20

36	SBOF-8210-0		OS/VS2 SYSTEM LOGIC LIBRARY - VOLUMES 1 THROUGH 7 UNCOLLATED VERSION
37	GBOF-8211-0		OS/VS2 DEBUGGING HANDBOOKS VOLUMES 1 & 2 UNCOLLATED VERSIONS
30	SB21-0412-0		GRAPHPAK - INTERACTIVE GRAPHICS PACKAGE FOR APL/360 FIELD DEVELOPED PROGRAM DESCRIPTION/OPERATIONS MANUAL PROGRAM NUMBER 5798-AGK
30	LB21-0413-0		GRAPHPAK - INTERACTIVE GRAPHICS PACKAGE FOR APL/360 FIELD DEVELOPED PROGRAM-SYSTEMS GUIDE PROGRAM NUMBER 5798-AGK
22	GB21-0414-1#		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	LB21-0416-1		GRAPHS AND HISTOGRAMS IN APL SYSTEMS GUIDE - FDP NUMBER 5798-AGL
50	GB21-0683-2	**GN20-6354	MINIMUM TELE-COMMUNICATION SYSTEM FOR S/370 AVAILABILITY NOTICE - FDP NUMBER 5798-ALN
50	SB21-0684-4		MINIMUM TELE-COMMUNICATION SYSTEM FOR S/370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ALN
50	LB21-0685-2		MINIMUM TELE-COMMUNICATION SYSTEM FOR S/370 SYSTEMS GUIDE FDP NUMBER 5798-ALN
30	GB21-0686-3#		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
30	GB21-0740-3#		DOS 3330 DATA SET CONVERSION AID AVAILABILITY NOTICE - FDP NUMBER 5798-AMN
30	SB21-0741-1		DOS 3330 DATA SET CONVERSION AID PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AMN
30	LB21-0742-1		DOS 3330 DATA SET CONVERSION AID SYSTEMS GUIDE - FDP NUMBER 5798-AMN
30	GB21-0761-1		STREAM - A 3270 INFORMATION DISPLAY SYSTEM PROGRAMMING AID FOR SYSTEM/360, 370: FDP 5798-ANE, NOTICE
30	SB21-0762-0	**SN20-6225	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, FDP 5798-ANE, SYSTEMS GUIDE
24	GB21-0836-0	**GN20-6364	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
24	GB21-0839-1		NCR CENTURY COBOL TO IBM ANS COBOL: CONVERSION AID FOR SYSTEM/360/370, FDP 5798-APG NOTICE
24	SB21-0840-0		IBM ANS COBOL CONVERSION AID FOR NCR CENTURY COBOL FOR SYSTEM/360/370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-APG
24	LB21-0841-0		IBM ANS COBOL CONVERSION AID FOR NCR CENTURY COBOL FOR SYSTEM/360/370 SYSTEMS GUIDE - FDP NUMBER 5798-APG
32	GB21-0857-1#		OS/DITTO AVAILABILITY NOTICE - FDP NUMBER 5798-ARD
32	SB21-0858-1#		OS/DITTO PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ARD
32	LB21-0859-1#		OS/DITTO SYSTEMS GUIDE - FDP NUMBER 5798-ARD
32	SB21-0876-2		DOS/DITTO FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ARN
32	LB21-0877-2		DOS/DITTO FOR SYSTEM/360, 370 SYSTEMS GUIDE - FDP NUMBER 5798-ARN
32	GB21-0890-1		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
24	GB21-0914-0	**GN20-6370	IBM ANS COBOL FROM GE-415 COBOL CONVERSION AID FDP 5798-ASY, NOTICE
24	SB21-0915-0	**SN20-6315	IBM ANS COBOL FROM GE-415 COBOL CONVERSION AID FDP 5798-ASY DESCRIPTION/OPERATIONS
24	LB21-0916-0		IBM ANS COBOL FROM GE-415 COBOL CONVERSION AID FDP 5798-ASY SYSTEMS GUIDE
24	GB21-0999-0	**GN20-6377	DOS SOURCE STATEMENT LIBRARY MAINTENANCE FOR ANS COBOL ON SYSTEM/370 AVAILABILITY NOTICE - FDP NUMBER 5798-AWD
24	SB21-1000-1		DOS SOURCE STATEMENT LIBRARY MAINTENANCE FOR ANS COBOL ON SYSTEM/370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AWD
24	LB21-1001-0		DOS SOURCE STATEMENT LIBRARY MAINTENANCE FOR ANS COBOL ON SYSTEM/370 SYSTEMS GUIDE - FDP NUMBER 5798-AWD
30	GB21-1002-2#		DOS/VS DASD DEVICE INDEPENDENCE OPEN DI OPEN AVAILABILITY NOTICE - FDP = 5798-AWH
30	SB21-1003-2		DOS/VS DASD DEVICE INDEPENDENCE OPEN DI OPEN PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AWH
30	LB21-1004-4#		DOS/VS DASD DEVICE INDEPENDENCE OPEN DI OPEN SYSTEMS GUIDE FDP NUMBER 5798-AWH
21	GB21-1008-1#		DOS/VS ASSEMBLER TESTING AID - FDP NUMBER 5798-AWJ NOTICE
21	SB21-1009-0	**SN20-6282	DOS/VS ASSEMBLER TESTING AID - FDP NUMBER 5798-AWJ DESCRIPTION/OPERATIONS
21	LB21-1010-0		DOS/VS ASSEMBLER TESTING AID - FDP NUMBER 5798-AWJ SYSTEMS GUIDE
50	GB21-1035-3#		CICS/3270 SIMULATOR 5798-AXC, CICS DYNAMIC MAP 5798-AAR AND CICS PERFORMANCE ANALYZER 5798-AZN : 3 FDP S NOTICE

50	SB21-1036-1		CICS/3270 SIMULATOR - FDP 5798-AXC DESCRIPTION/OPERATIONS
50	SB21-1075-3		CICS DYNAMIC MAP - FDP 5798-AXR DESCRIPTION/OPERATIONS
50	GB21-1092-1#		IMS LOW-LEVEL CODING & CONTINUITY CHECKING SUBPROGRAM: FDP 5798-AYN NOTICE
50	SB21-1093-0		LOW LEVEL CODING AND CONTINUITY CHECKING - FDP 5798-AYN DESCRIPTION/OPERATIONS
50	LB21-1094-0		LOW LEVEL CODING AND CONTINUITY CHECKING - FDP 5798-AYN SYSTEMS GUIDE
50	SB21-1105-1	**SN20-6255 **SN20-6400 **LN20-6279	COBIMS - FDP 5798-AYK - DESCRIPTION/OPERATIONS
50	LB21-1106-0		COBIMS - FDP 5798-AYK - SYSTEMS GUIDE
39	GB21-1122-2#		TSO COMMAND PROCESSOR - FDP 5798-AYF NOTICE
39	SB21-1123-1		TSO COMMAND PROCESSOR - FDP 5798-AYF DESCRIPTION/OPERATIONS
39	LB21-1124-1		TSO COMMAND PROCESSOR - FDP 5798-AYF SYSTEMS GUIDE
30	GB21-1134-0	**GN20-6390	AUTOMATIC LINE SPEED SELECTION FOR IBM 3704/3705 FDP 5798-AYR, NOTICE
30	SB21-1135-0		AUTOMATIC LINE SPEED SELECTION FOR 3704/3705 FDP 5798-AYR DESCRIPTION/OPERATIONS
30	LB21-1136-0		AUTOMATIC LINE SPEED SELECTION FOR IBM 3704/3705 FDP 5798-AYR SYSTEMS GUIDE
50	SB21-1181-3	**SN20-6418	CICS PERFORMANCE ANALYZER - FDP 5798-AZN DESCRIPTION/OPERATIONS
32	GB21-1195-1#		UTILITY DATA REDUCTION SUBROUTINES FOR S/360-370 FDP 5798-AZW, NOTICE
32	SB21-1196-0		UTILITY DATA REDUCTION SUBROUTINES FOR S/360-370 FDP 5798-AZW DESCRIPTIONS/OPERATIONS
32	LB21-1197-0		UTILITY DATA REDUCTION SUBROUTINES FOR S/360-370 FDP 5798-AZW, SYSTEMS GUIDE
50	GB21-1210-1#		ON-LINE PREPARATION OF VIDEO/370 FORMATS FDP 5798-BAC, NOTICE
50	SB21-1211-0		ON-LINE PREPARATION OF VIDEO/370 FORMATS FDP 5798-BAC, DESCRIPTION/OPERATIONS
50	LB21-1212-0		ON-LINE PREPARATION OF VIDEO/370 FORMATS FDP 5798-BAC - SYSTEMS GUIDE
38	GB21-1249-0		DOS/VS POWER WORKSTATION SUPPORT FOR THE IBM 2922 FDP 5798-BBY - NOTICE
38	SB21-1250-1#		DOS/VS POWER WORKSTATION SUPPORT FOR THE IBM 2922 FDP 5798-BBY - DESCRIPTION/OPERATIONS
38	LB21-1251-0	**LN20-6305	DOS/VS POWER WORKSTATION SUPPORT FOR THE IBM 2922 FDP 5798-BBY
39	GB21-1273-1		TSO/VS2 PROGRAMMING CONTROL FACILITY - FDP 5798-BBJ - NOTICE
39	SB21-1274-1		TSO/VS2 PROGRAMMING CONTROL FACILITY - FDP 5798-BBJ DESCRIPTION/OPERATIONS
39	LB21-1275-1		TSO/VS2 PROGRAMMING CONTROL FACILITY - FDP 5798-BBJ SYSTEMS GUIDE
50	GB21-1279-1#		GIS/DDT TRANSLATION FROM IMS/DBD - FDP 5798-BBN, DESCRIPTION/OPERATIONS
50	SB21-1280-2#		GIS/DDT TRANSLATION OF IMS/DBD FDP 5798-BBN DESCRIPTION/ OPERATIONS
50	LB21-1281-0		GIS/DDT TRANSLATION FORM IMS/DBD - FDP 5798-BBN, SYSTEM GUIDE
30	GB21-1291-1		3330 DEVICE SUPPORT EXTENDED-S/370 OS/MFT/MVT FDP 5798-BCE NOTICE
30	SB21-1292-2		3330 DEVICE SUPPORT EXTENDED S/370 OS/MFT/MVT FDP 5798-BCE DESCRIPTION/OPERATIONS
40	GB21-1294-1#		OS/VS2 RELEASE 1 STORAGE UTILIZATION DISPLAY PROGRAM FDP 5798-BCL, NOTICE
40	SB21-1295-0		OS/VS2 RELEASE 1 STORAGE UTILIZATION DISPLAY PROGRAM FDP 5798-BCL DESCRIPTION/OPERATIONS
40	LB21-1296-0		OS/VS2 RELEASE 1 STORAGE UTILIZATION DISPLAY PROGRAM FDP 5798-BCL - SYSTEMS GUIDE
50	GB21-1336-0		IMS DC MONITOR FDP 5798-BDF, NOTICE
50	SB21-1337-0		IMS DC MONITOR - FDP 5798-BDF, DESCRIPTION/OPERATIONS
50	LB21-1338-0		IMS DC MONITOR FDP 5798-BDF SYSTEMS GUIDE
30	GB21-1342-1#		3890 DOS/VS APPLICATION/INSTALLATION SUPPORT 5798-BDC FDP AVAILABILITY NOTICE
30	SB21-1343-1#		3890 DOS/VS APPLICATION/INSTALLATION SUPPORT - FDP 5798-BDC, DESCRIPTION/OPERATIONS
33	GB21-1361-1#		DOS/VS SORT FOR 1400 FILES FDP 5798-BDH, NOTICE
33	SB21-1362-0		DOS/VS SORT FOR 1400 FILES FDP 5798-BDH, DESCRIPTION/OPERATIONS
33	LB21-1363-0		DOS/VS SORT FOR 1400 FILES FDP 5798-BDH SYSTEMS GUIDE
50	GB21-1373-2#		CICS SOURCE PROGRAM MAINTENANCE ON-LINE - FDP 5798-BDT, NOTICE
50	SB21-1374-1#		CICS SOURCE PROGRAM MAINTENANCE ON-LINE FDP 5798-BDT DESCRIPTION/OPERATIONS
33	GB21-1376-0		CMS SORT FOR VM/370 FDP 5798-BDW, NOTICE
33	SB21-1377-1		CMS SORT FOR VM/370 FDP 5798-BDW DESCRIPTION/OPERATIONS
33	LB21-1378-0		CMS SORT FOR VM/370 FDP 5798-BDW SYSTEMS GUIDE
28	GB21-1386-0		DBOMP INTERFACE FOR RPG II - SYSTEM/370 DOS/VS - FDP 5798-BDZ, NOTICE
28	SB21-1387-1		DBOMP INTERFACE FOR RPG II - SYSTEM/370 DOS/VS 5798-BDZ FDP 5798-BDZ DESCRIPTION/OPERATIONS
28	LB21-1388-1		DBOMP INTERFACE FOR RPG II - SYSTEM/370 DOS/VS 5798-BDZ FDP SYSTEMS GUIDE
32	SB21-1399-4		DOS/DITTO EXTENSIONS FOR S/370 - FDP 5798-CAF, DESCRIPTION/ OPERATIONS
32	LB21-1400-2		DOS/DITTO EXTENSIONS FOR S/370 - FDP 5798-CAF, SYSTEMS GUIDE
50	GB21-1401-0		IMS LOG TAPE ANALYSIS - FDP 5798-CAQ, NOTICE
50	SB21-1402-0		IMS LOG TAPE ANALYSIS - FDP 5798-CAQ, DESCRIPTION/OPERATIONS
50	LB21-1403-0		IMS LOG TAPE ANALYSIS - FDP 5798-CAQ, SYSTEMS GUIDE

34	GB21-1404-1#		VS/1 UTILIZATION MONITOR - FDP 5798-CAK, NOTICE
34	SB21-1405-1#		VS1 UTILIZATION MONITOR 5798-CAK
			FDP PROGRAM DESCRIPTION/OPERATIONS MANUAL
36	GB21-1413-2#		DOS/VS FILE/OPERATIONS CONTROL LANGUAGE - FDP 5798-CAG,
			NOTICE
36	SB21-1414-0		DOS/VS FILE/OPERATIONS CONTROL LANGUAGE - FDP 5798-CAG,
			DESCRIPTION/OPERATIONS
50	GB21-1425-0		IMS/VS 2260-3270 CONVERSION AID - FDP 5798-CBB, NOTICE
50	SB21-1426-0	**SN20-6427	IMS/VS 2260-3270 CONVERSION AID - FDP 5798-CBB,
			DESCRIPTION/OPERATIONS
30	LB21-1427-0		IMS/VS 2260-3270 CONVERSION AID - FDP 5798-CBB, SYSTEMS
			GUIDE
50	GB21-1441-1#		CICS/M.T.C.S. 3270 SCREEN FORMAT UTILITY - FDP 5798-CBH,
50	GB21-1441-0#		NOTICE
50	SB21-1442-0		CICS/M.T.C.S. 3270 SCREEN FORMAT UTILITY - FDP 5798-CBH,
			DESCRIPTION/OPERATIONS
50	LB21-1443-0		CICS/M.T.C.S. 3270 SCREEN FORMAT UTILITY - FDP 5798-CBH,
			SYSTEMS GUIDE
24	GB21-1447-1#		CONVERSION AID: IBM DOS/VS ANS COBOL FROM BURROUGHS
			B5500 COBOL - FDP 5798-CBP, NOTICE
24	SB21-1448-0		CONVERSION AID: IBM DOS/VS ANS COBOL FROM BURROUGHS B5500
			COBOL - FDP 5798-CBP, DESCRIPTION/OPERATIONS
30	GB21-1456-1#		EXTENDING SEQUENTIAL DISK FILES FOR DOS/VS - FDP 5798-CBN,
			NOTICE
30	SB21-1457-1		EXTENDING SEQUENTIAL DISK FILES FOR DOS/VS - FDP 5798-CBN
			DESCRIPTION/OPERATIONS
30	LB21-1458-0		EXTENDING SEQUENTIAL DISK FILES FOR DOS/VS - FDP 5798-CBN,
			SYSTEMS GUIDE
50	GB21-1492-0		CICS/ENTRY SYSTEM STATISTICS - FDP 5798-CBZ, NOTICE
50	SB21-1493-0		CICS/ENTRY SYSTEM STATISTICS FDP 5798-CBZ
			DESCRIPTION/OPERATIONS
50	GB21-1498-0		CICS/VOLUME TEST FACILITY - FDP 5798-CDJ, NOTICE
50	SB21-1499-1		CICS/VOLUME TEST FACILITY - FDP 5798-CDJ DESCRIPTION/
			OPERATIONS
50	GB21-1504-0		CICS NETWORK ACTIVITY SIMULATOR - FDP 5798-CCH, NOTICE
50	SB21-1505-3		CICS NETWORK ACTIVITY SIMULATOR - FDP 5798-CCH, DESCRIPTION/
			OPERATIONS
50	GB21-1507-0		CICS PLOT-FDP 5798-CCG, NOTICE
50	SB21-1508-1		CICS PLOT - FDP 5798-CCG, DESCRIPTION/OPERATIONS
50	GB21-1510-0		VANDL-1/DL/I DATA BASE UTILITY, FDP 5798-CDH, NOTICE
50	SB21-1511-0		VANDL-1 - DL/I DATABASE UTILITY - FDP 5798-CDH,
			DESCRIPTION/OPERATIONS
50	LB21-1512-0		VANDL-1 DL/I DATA BASE UTILITY, FDP 5798-CDH SYSTEMS
			GUIDE
34	GB21-1513-1#		POWER/VS COST & PERFORMANCE ANALYZER, FDP 5798-CDG NOTICE
34	SB21-1514-1#		POWER/VS COST AND PERFORMANCE ANALYZER - FDP 5798-CDG,
			DESCRIPTION/OPERATIONS
34	LB21-1515-0		POWER/VS COST & PERFORMANCE ANALYZER, FDP 5798-CDG SYSTEMS
			GUIDE
30	GB21-1546-1#		1400 COMPATIBILITY ACCESS ROUTINE - FDP 5798-CDB, NOTICE
30	SB21-1547-0		1400 COMPATIBILITY ACCESS ROUTINE - FDP 5798-CDB,
			DESCRIPTION/OPERATIONS
32	GB21-1549-1#		OS/DITTO EXTENSIONS - FDP 5798-CDA, NOTICE
32	SB21-1550-0		OS/DITTO EXTENSIONS - FDP 5798-CDA, DESCRIPTION/OPERATIONS
32	LB21-1551-0		OS/DITTO EXTENSIONS - FDP 5798-CDA, SYSTEMS GUIDE
28	GB21-1566-1		S/370 RPG II ANALYSIS AND DOCUMENTATION AID - 5798-CDL,
			NOTICE
28	SB21-1567-0		S/370 RPG II ANALYSIS AND DOCUMENTATION AID - FDP 5798-CDL,
			DESCRIPTION/OPERATIONS
28	LB21-1568-0		S/370 RPG II ANALYSIS AND DOCUMENTATION AID - FDP 5798-CDL,
			SYSTEMS GUIDE
50	GB21-1578-0		IMS ON-LINE PROGRAM AND JOB DEVELOPMENT SYSTEM - FDP
			5798-CDR, NOTICE
50	SB21-1579-1	**SN20-6434	IMS ON-LINE PROGRAM AND JOB DEVELOPMENT SYSTEM
			FDP 5798-CDR, DESCRIPTION/OPERATIONS
50	GB21-1581-2#		IMS MONITOR SUMMARY AND SYSTEMS ANALYSIS PROGRAMS - FDP
	GB21-1581-1#		5798-CDT, NOTICE
50	SB21-1582-0		IMS MONITOR SUMMARY AND SYSTEMS ANALYSIS PROGRAMS - FDP
			5798-CDT, DESCRIPTION/OPERATIONS
50	GB21-1586-3		IMS DICTIONARY SYSTEM ENHANCEMENTS - FDP 5798-CEE, NOTICE
50	SB21-1587-2	**SN20-6455	IMS DICTIONARY SYSTEM ENHANCEMENTS - FDP 5798-CEE,
			DESCRIPTION/OPERATIONS
50	LB21-1588-0	**LN20-6415	IMS DICTIONARY SYSTEM ENHANCEMENTS - FDP 5798-CEE, SYSTEMS
			GUIDE
25	GB21-1613-0		FORTRAN PREPROCESSOR FOR STRUCTURED PROGRAMMING - FDP
			5798-CDW, NOTICE
25	SB21-1614-0		FORTRAN PREPROCESSOR FOR STRUCTURED PROGRAMMING 5798-CDW
			FDP 5798-CDW, DESCRIPTION/OPERATIONS
25	LB21-1615-0		FORTRAN PREPROCESSOR FOR STRUCTURED PROGRAMMING - FDP
			5798-CDW, SYSTEMS GUIDE
32	GB21-1616-0		DOS/VS MICR READER/SORTER UTILITY
			FDP 5798-CEH, NOTICE
32	SB21-1617-0	**SN20-6426	DOS/VS MICR READER/SORTER UTILITY
			FDP 5798-CEH, DESCRIPTION/OPERATIONS
50	GB21-1619-1		IMS TRAPDLI SYSTEM - FDP 5798-CEJ, AVAILABILITY NOTICE
50	SB21-1620-0		IMS TRAPDLI SYSTEM - FDP 5798-CEJ, DESCRIPTION/OPERATIONS
50	LB21-1621-0		IMS TRAPDLI SYSTEM - FDP 5798-CEJ, SYSTEMS GUIDE
50	GB21-1641-0		CICS/M.T.C.S. ON-LINE PANEL ENTRY LIBRARY SYSTEM - FDP
			5798-CET, NOTICE
50	SB21-1642-2#		CICS/M.T.C.S. ON-LINE PANEL ENTRY LIBRARY SYSTEM - FDP
			5798-CET, DESCRIPTION/OPERATIONS
50	LB21-1643-0	**LN20-6478	CICS/M.T.C.S. ON-LINE PANEL ENTRY LIBRARY SYSTEM - FDP
			5798-CET, SYSTEMS GUIDE

30	GB21-1653-0		GENERALIZED TRACE FACILITY - DIRECT ACCESS CONTENTION ANALYZER, FDP 5798-CEZ, NOTICE
30	SB21-1654-1#		GENERALIZED TRACE FACILITY - DIRECT ACCESS CONTENTION ANALYZER - FDP 5798-CEZ, DESCRIPTION/OPERATIONS
50	GB21-1671-0		MINIMUM TELEPROCESSING DATA ENTRY SUBROUTINES FDP 5798-CFG, NOTICE
50	SB21-1672-0		MINIMUM TELEPROCESSING DATA ENTRY SUBROUTINES FDP 5798-CFG, DESCRIPTION/OPERATIONS
50	LB21-1673-0		MINIMUM TELEPROCESSING DATA ENTRY SUBROUTINES FDP 5798-CFG, SYSTEMS GUIDE
50	GB21-1680-1		MTCS/VIS, FDP 5798-CFK, NOTICE
50	SB21-1681-1		MTCS/VIS, FDP 5798-CFK, DESCRIPTION/OPERATION
50	LB21-1682-0	**LN20-6492	MTCS/VIS, FDP 5798-CFK, SYSTEM GUIDE
39	GB21-1683-0		DOS/VIS ENTRY TIME SHARING SYSTEM - FDP 5798-CFL, NOTICE ALSO FOR TERMINAL CONTROL FACILITY, 5798-CGC
39	SB21-1684-1	**SN20-6466	DOS/VIS ENTRY TIME SHARING SYSTEM 5798-CFL - FDP 5798-CFL, DESCRIPTION/OPERATIONS
39	LB21-1685-0		DOS/VIS ENTRY TIME SHARING SYSTEM - FDP 5798-CFL, SYSTEMS GUIDE
50	GB21-1696-2		CICS SOURCE PROGRAM MAINTENANCE ON-LINE II - FDP 5798-CFT, NOTICE
50	SB21-1697-1		CICS/VIS PERFORMANCE ANALYZER II - FDP 5798-CFP, DESCRIPTION/OPERATIONS
50	SB21-1700-3		CICS SOURCE PROGRAM MAINTENANCE ON-LINE II - FDP 5798-CFT, DESCRIPTION/OPERATIONS
39	SB21-1719-2#		DOS/VIS ENTRY TIME SHARING SYSTEM 5798-CFL - FDP 5798-CFL, TERMINAL USER S GUIDE
32	GB21-1720-0		DOS/VIS 3540 DISKETTE UTILITY - FDP 5798-CGH, NOTICE
39	SB21-1735-0		DOS/VIS ENTRY TIME SHARING SYSTEM - FDP 5798-CFL, TERMINAL USER S SUMMARY
50	GB21-1740-0		DOS/VIS DL/I STATUS DISPLAY AND DEBUGGING AID - FDP 5798-CGL, NOTICE
50	SB21-1741-0		DOS/VIS DL/I STATUS DISPLAY AND DEBUGGING AID - FDP 5798-CGL, DESCRIPTION/OPERATIONS
50	LB21-1742-0		DOS/VIS DL/I STATUS DISPLAY AND DEBUGGING AID - FDP 5798-CGL, SYSTEMS GUIDE
30	GB21-1752-0		MVS STORAGE UTILIZATION DISPLAY PROGRAM - FDP 5798-CGT, NOTICE
30	SB21-1753-0		MVS STORAGE UTILIZATION DISPLAY PROGRAM - FDP 5798-CGT DESCRIPTION/OPERATIONS
30	LB21-1754-0		MVS STORAGE UTILIZATION DISPLAY PROGRAM - FDP 5798-CGT, SYSTEMS GUIDE
36	GB21-1773-0		DOS DASDI JCL CONVERSION AID - FDP 5798-CHA, NOTICE
36	SB21-1774-0		DOS DASDI JCL CONVERSION AID - FDP 5798-CHA, DESCRIPTION/OPERATIONS
36	LB21-1775-0		DOS DASDI JCL CONVERSION AID - FDP 5798-CHA, SYSTEMS GUIDE
33	GB21-1776-0		3741 SORT PROGRAM - FDP 5798-CHB, NOTICE
33	SB21-1777-0		3741 SORT PROGRAM - FDP 5798-CHB, DESCRIPTION/OPERATIONS
33	LB21-1778-0		3741 SORT PROGRAM - FDP 5798-CHB, SYSTEMS GUIDE
50	GB21-1786-0		DATA BASE CALL MACROS - FDP 5798-CHK, NOTICE
50	SB21-1787-0		DATA BASE CALL MACROS - FDP 5798-CHK, DESCRIPTION/OPERATIONS
50	GB21-1792-0		IMS MONITOR SUMMARY AND SYSTEM ANALYSIS PROGRAM II IMSASAP II , FDP 5798-CHJ, NOTICE
50	SB21-1793-1		IMS MONITOR SUMMARY AND SYSTEM ANALYSIS PROGRAM II IMSASAP II - FDP 5798-CHJ, DESCRIPTION/OPERATIONS
34	LB21-1794-0		SYSTEM FOR GENERALIZED PERFORMANCE ANALYSIS REPORTING GPAR - FDP 5798-CPR, SYSTEMS GUIDE
39	SB21-1796-1	**SN20-6485	TSO/3270 DISPLAY COPY SUPPORT, FDP 5798-CHL, DESCRIPTION/OPERATIONS
22	GB21-1804-1#		APL DATA LANGUAGE - FDP 5798-CHR, NOTICE
22	SB21-1805-2		APL DATA LANGUAGE - FDP 5798-CHR, DESCRIPTION/OPERATIONS
34	GB21-1807-0		GENERALIZED TRACE FACILITY - DATA ANALYSIS PROGRAM - FDP 5798-CHT, NOTICE
34	SB21-1808-2		GENERALIZED TRACE FACILITY - DATA ANALYSIS PROGRAM - FDP 5798-CHT, DESCRIPTION/OPERATIONS
30	GB21-1810-0		DOS/VIS DASD SPACE UTILIZATION ANALYSIS - FDP 5798-CHW, NOTICE
34	GB21-1813-0		MF/1 POST ANALYZER - FDP 5798-CHX, NOTICE
34	SB21-1814-1		MF/1 POST ANALYZER - FDP 5798-CHX, DESCRIPTION/OPERATIONS
34	GB21-1816-0		DOS/VIS STORAGE & CPU UTILIZATION, FDP 5798-CHY, NOTICE
34	SB21-1817-0		DOS/VIS STORAGE & CPU UTILIZATION PROGRAM FDP 5798-CHY, DESCRIPTION/OPERATIONS
50	GB21-1819-0		CICS COBOL PL/I ONE-STEP PREPROCESSOR - FDP 5798-CHC, NOTICE
30	GB21-1822-0		370X TRACE EDITOR - FDP 5798-CHZ, NOTICE
30	SB21-1823-0		370X TRACE EDITOR - FDP 5798-CHZ, DESCRIPTION/OPERATIONS
34	GB21-1834-0		OS/VIS CAPACITY MANAGEMENT AID - FDP 5798-CJB, NOTICE
34	SB21-1835-1		OS/VIS CAPACITY MANAGEMENT AID - FDP 5798-CJB, DESCRIPTION/OPERATIONS
34	LB21-1836-1#		OS/VIS CAPACITY MANAGEMENT AID - FDP 5798-CJB, SYSTEMS GUIDE
50	GB21-1837-1		CICS/VIS DATASET RECOVERY FACILITY - FDP 5798-CJF, NOTICE
50	SB21-1838-0		CICS/VIS DATASET RECOVERY FACILITY - FDP 5798-CJF, DESCRIPTION/OPERATIONS
50	GB21-1840-0		VIDEO/370 ON-LINE STATUS DISPLAY - FDP 5798-CJA, NOTICE
50	SB21-1841-0	**SN20-6481	VIDEO/370 ON-LINE STATUS DISPLAY - FDP 5798-CJA, DESCRIPTION/OPERATIONS
50	GB21-1843-0		VIDEO/370 REVERSE ABSTRACT OFFLINE DATA ENTRY - FDP DOS/VIS 5798-CJG AND OS/VIS 5798-CJP , NOTICE
50	SB21-1844-1#		VIDEO/370 REVERSE EXTRACT OFFLINE DATA ENTRY - FDP DOS/VIS 5798-CJG AND OS/VIS 5798-CJP , DESCRIPTION/OPERATIONS
50	SB21-1844-0#		VIDEO/370 REVERSE EXTRACT/OFFLINE DATA ENTRY - FDP VIDEO/370 REVERSE EXTRACT OFFLINE DATA ENTRY -FDP DOS/VIS 5798-CJG AND OS/VIS 5798-CJP , SYSTEMS GUIDE
50	LB21-1845-0	**LN20-6436 **LN20-6444	

50	GB21-1862-1		C1CS/V5 PERFORMANCE ANALYZER II - FDP 5798-CFP, NOTICE
50	GB21-1874-0		C1CS/V5 DUMP READING PROGRAM, OS/V5, 5798-CJX, NOTICE
50	SB21-1875-0		C1CS/V5 DUMP READING PROGRAM - OS/V5 FDP 5798-CJX, DESCRIPTION/OPERATIONS
39	GB21-1877-0		CMSERVICE - FDP 5798-CJZ, NOTICE
39	SB21-1878-0		CMSERVICE - FDP 5798-CJZ, DESCRIPTION/OPERATIONS
39	GB21-1891-0		DIAL SUPPORT FOR DOS/V5 ENTRY TIME-SHARING SYSTEM, FDP 5798-CKD, NOTICE
39	SB21-1892-0	**SN20-6476	DIAL SUPPORT FOR DOS/V5 ENTRY TIME-SHARING SYSTEM, FDP 5798-CKD DESCRIPTION/OPERATIONS
32	GB21-1894-0		DOS/V5 SYSTEM/360 MODEL 20 EMULATED DISK BACKUP/RESTORE, FDP 5798-CKE, NOTICE
32	SB21-1895-0		DOS/V5 SYSTEM/360 MODEL 20 EMULATED DISK BACKUP/RESTORE, FDP 5798-CKE, DESCRIPTION/OPERATIONS
37	GB21-1897-0		DOS/V5 INTERACTIVE DEBUG FACILITY, FDP 5798-CKF, NOTICE
37	SB21-1898-0		DOS/V5 INTERACTIVE DEBUG FACILITY, FDP 5798-CKF, DESCRIPTION/OPERATIONS
37	LB21-1899-0		DOS/V5 INTERACTIVE DEBUG FACILITY, FDP 5798-CKF, SYSTEMS GUI
31	GB21-1900-0		DOS/V5 LOADER, FDP 5798-CVG, NOTICE
31	SB21-1901-0		DOS/V5 LOADER, FDP 5798-CVG, DESCRIPTION/OPERATIONS
30	GB21-1903-0		HASP-JES2 SPOOL TRANSFER PROGRAM, FDP 5798-CKJ, NOTICE
30	SB21-1904-1#		HASP-JES2 SPOOL TRANSFER PROGRAM, FDP 5798-CKJ, DESCRIPTION/OPERATIONS
30	LB21-1905-1		HASP-JES2 SPOOL TRANSFER PROGRAM FDP 5798-CKJ, SYSTEMS GUIDE
34	GB21-1909-0		GENERALIZED DATA AREA MONITOR AND DISPLAY PROGRAM - FDP 5798-CKK, NOTICE
34	SB21-1910-0		GENERALIZED DATA AREA MONITOR AND DISPLAY PROGRAM - FDP 5798-CKK, DESCRIPTION/OPERATIONS
34	LB21-1911-0		GENERALIZED DATA AREA MONITOR AND DISPLAY PROGRAM - FDP 5798-CKK, SYSTEMS GUIDE
29	GB21-1912-0		PL/I D TO PL/I OPTIMIZER CONVERSION, FDP 5798-CKL, NOTICE
29	SB21-1913-0		PL/I D TO PL/I OPTIMIZER CONVERSION PROGRAM, FDP 5798-CKL, DESCRIPTION/OPERATIONS
32	GB21-1936-0		IBM 3770 COMMUNICATIONS UTILITY - FDP 5798-CKZ, NOTICE
32	SB21-1937-1		IBM 3770 COMMUNICATIONS UTILITY - FDP 5798-CKZ, DESCRIPTION/OPERATIONS
32	LB21-1938-1		IBM 3770 COMMUNICATIONS UTILITY - FDP 5798-CKZ, SYSTEMS GUIDE
50	GB21-1945-0		IMS HISTORY REPORTING SYSTEM - FDP 5798-CLB, NOTICE
50	SB21-1946-0		IMS HISTORY REPORTING SYSTEM - FDP 5798-CLB, DESCRIPTION/ OPERATIONS
24	GB21-1960-0		TSO INTERACTIVE DATA ENTRY SUPPORT FOR COBOL, FDP 5798-CLG, NOTICE
24	SB21-1961-0		TSO INTERACTIVE DATA ENTRY SUPPORT FOR COBOL, FDP 5798-CLG, DESCRIPTION/OPERATIONS
50	GB21-1969-0		IMS MASTER TERMINAL OPERATOR ASSIST FACILITY, FDP 5798-CLK, NOTICE
50	**SB21-1970-1		IMS MASTER TERMINAL OPERATOR ASSIST FACILITY, FDP 5798-CLK, DESCRIPTION/OPERATIONS
50	GB21-1978-0		IMS SOURCE PROGRAM AND JOB DEVELOPMENT SYSTEM II, FDP 5798-CLP, NOTICE
50	SB21-1979-0		IMS JOB DEVELOPMENT SYSTEM II, FDP 5798-CLP, DESCRIPTION/OPERATIONS
39	GB21-1987-0		TSO PROGRAMMING CONTROL FACILITY - II, FDP 5798-CLW, NOTICE
39	SB21-1988-0		TSO PROGRAMMING CONTROL FACILITY - II FDP 5798-CLW DESCRIPTION/OPERATIONS
39	LB21-1989-0		TSO PROGRAMMING CONTROL FACILITY - II FDP 5798-CLW, SYSTEMS GUIDE
30	GB21-1990-1		IBM DIRECT ACCESS STORAGE DEVICE CONVERSION AID, FDP 5798-CLQ, NOTICE
30	SB21-1991-1		IBM DIRECT ACCESS STORAGE DEVICE CONVERSION AID, FDP 5798-CLQ, DESCRIPTION/OPERATIONS
30	GB21-1996-0		DOS/V5 3330/3340 DATA SET CONVERSION AID - EXTENSIONS FDP 5798-CNA, NOTICE
30	SB21-1997-0		DOS/V5 3330/3340 DATA SET CONVERSION AID - EXTENSIONS FDP 5798-CNA, DESCRIPTION/OPERATIONS
30	LB21-1998-0		DOS/V5 3330/3340 DATA SET CONVERSION AID - EXTENSIONS FDP 5798-CNA, SYSTEMS GUIDE
34	GB21-2002-0		IMS/V5 VIRTUAL STORAGE ANALYSIS - FDP 5798-CNC, NOTICE
34	SB21-2003-0	**SN20-6484	IMS/V5 VIRTUAL STORAGE ANALYSIS - FDP 5798-CNC, DESCRIPTION/OPERATIONS
50	GB21-2005-1		IMS/V5 LOCAL COPY-II - FDP 5798-CLZ, NOTICE
50	SB21-2006-1		IMS/V5 LOCAL COPY-II - FDP 5798-CLZ, DESCRIPTION/OPERATIONS
37	GB21-2019-0		OS/V5 ON-LINE PROBLEM TRACKING - FDP 5798-CNJ, NOTICE
37	SB21-2020-0	**SN20-6497	OS/V5 ON-LINE PROBLEM TRACKING - FDP 5798-CNJ, DESCRIPTION/OPERATIONS
30	GB21-2025-0		VTAM INTERFACE TO VIDEO/370 - FDP 5798-CNK, NOTICE
30	SB21-2026-0		VTAM INTERFACE TO VIDEO/370 - FDP 5798-CNK, DESCRIPTION/OPERATIONS
50	GB21-2030-0		IMS AVAILABILITY REPORTS - FDP 5798-CNN, NOTICE
50	SB21-2031-0		IMS AVAILABILITY REPORTS 5798-CNN - FDP 5798-CNN, DESCRIPTION/OPERATIONS
34	GB21-2032-0		DOS/V5 TIME CONTROL - FDP 5798-CNQ, NOTICE
34	SB21-2033-0		DOS/V5 TIME CONTROL, FDP 5798-CNQ, DESCRIPTION/OPERATIONS
37	GB21-2047-0		DOS/V5 INCIDENT REPORTING & TRACKING - FDP 5798-CNP, NOTICE
33	GB21-2050-0		IBM 3770 SORT, FDP 5798-CNY, NOTICE
33	SB21-2051-0		IBM 3770 SORT, FDP 5798-CNY, DESCRIPTION/OPERATIONS
32	GB21-2056-0		DOS/V5 3540 DISKETTE UTILITY FOR S/370-II - FDP 5798-CNZ, NOTICE
32	SB21-2057-0		DOS/V5 3540 DISKETTE UTILITY FOR S/370-II - FDP 5798-CNZ, DESCRIPTION/OPERATIONS

30	GB21-2059-0			VIDEO CORRECTION OF OCR DATA - FDP 5798-CPE, NOTICE
30	SB21-2060-0			VIDEO CORRECTION OF OCR DATA - FDP 5798-CPE, DESCRIPTION/OPERATIONS
38	GB21-2066-0			POWER/VVS RJE CONTROLLED ACCESS MONITOR - FDP 5798-CPH, NOTICE
38	SB21-2067-0			POWER/VVS RJE CONTROLLED ACCESS MONITOR - FDP 5798-CPH, DESCRIPTION/OPERATIONS
39	GB21-2069-1			MVS/TSO/VTAM DATA SET PRINT - FDP 5798-CPF, NOTICE
39	SB21-2070-0			MVS/TSO/VTAM DATA SET PRINT - FDP 5798-CPF, DESCRIPTION/OPERATIONS
39	LB21-2071-0			MVS/TSO/VTAM DATA SET PRINT - FDP 5798-CPF, SYSTEMS GUIDE
32	GB21-2073-0			IBM 3790/3770 PVS DATA SET TEST SUPPORT, FDP 5798-CPG NOTICE
34	GB21-2082-0			FORMAT/3800, FDP 5798-CPN, NOTICE
40	GB21-2084-0			CONSOLE SPOOLING UNDER POWER/VVS, FDP 5798-CPQ, NOTICE
40	SB21-2085-0			CONSOLE SPOOLING UNDER POWER/VVS - FDP 5798-CPQ, DESCRIPTION/OPERATIONS
40	LB21-2086-0			CONSOLE SPOOLING UNDER POWER/VVS - FDP 5798-CPQ, SYSTEMS GUIDE
34	GB21-2091-0			SYSTEM FOR GENERALIZED PERFORMANCE ANALYSIS REPORTING GPAR - FDP 5798-CPR, NOTICE
34	SB21-2092-1			SYSTEM FOR GENERALIZED PERFORMANCE ANALYSIS REPORTING GPAR - FDP 5798-CPR, DESCRIPTION/OPERATIONS
50	GB21-2121-2			CICS/VVS MVS PEER ADDRESS SPACES - FDP 5798-CQE, NOTICE
50	SB21-2122-1			CICS/VVS MVS PEER ADDRESS SPACES - FDP 5798-CQE, DESCRIPTION/OPERATIONS
34	GB21-9893-0			VM/SGP STATISTICS GENERATING PACKAGE, REPORT BROCHURE - IUP 5796-PDD
50	GB21-9902-0			IQRP REFERENCE CARD - PROG. NO. 5796-PDG
50	GB21-9903-1			INTERACTIVE QUERY AND REPORT PROCESSOR IQRP - IUP 5796-PDG, GENERAL INFORMATION
85	GB21-9949-11			IBM CUSTOMER INFORMATION FDP/IUP REFERENCE SUMMARY
20	GCB4-5104-1#			OS/VSI MASTER INDEX OF SL PUBLICATIONS MICROFICHE EDITION
21	LCB6-3772-2	**LNC7-2701	**LNC7-2706	IBM SYSTEM/360 OS ASSEMBLER H - PROGRAM NUMBER 5734-AS1
50	SC09-0007-2	**SN12-5039	**SN12-5026	VANDL-1 PRPQ DESCRIPTION AND OPERATION MANUAL VANCOUVER DATA LANGUAGE ONE - PROGRAM NUMBER 5799-AEY
15	** GC19-0004-4#*	**GN19-0213	**GN19-0216	IBM SYSTEM/370 INSTALLATION MANUAL - PHYSICAL PLANNING WORLD TRADE
		**GN19-0221	**GN19-0219	
		**GN19-0220	**GN19-0223	
07	GC19-5021-0*			WORLD TRADE ADDENDUM TO 3350/3344 INSTALLATION AND CONVERSION GUIDE GC20-1780
30	SC19-5032-0*			IBM 2970-5 BANKING TERMINAL SUPPORT UNDER CONTROL OF 3704/5 NCP, PRPQ X97561 DESCRIPTION/OPERATION - PROG PROD 5799-ARC
50	GC19-5042-0*			IBM 5930 SUPPORT UNDER CICS/DOS/VVS CUSTOMER INFORMATION CONTROL SYSTEM DOS/VVS PRPQ DESCRIPTION/ OPERATIONS, PRPQ Y96303, PROG 5799-AJP
00	GC20-0360-0	**GN20-0360		IBM SYSTEM/360 BIBLIOGRAPHY
00	GC20-0370-0	**GN20-0370-4		IBM SYSTEM/370 BIBLIOGRAPHY OF INDUSTRY SYSTEMS AND APPLICATION PROGRAMS
85	GC20-1618-5#			NUMBER SYSTEMS - STUDENT TEXT
85	SC20-1637-3			A GUIDE TO PL/I FOR FORTRAN USERS: STUDENT TEXT
85	SC20-1646-6			A PROGRAMMER S INTRODUCTION TO IBM SYSTEM/360 ASSEMBLER LANGUAGE: STUDENT TEXT
85	GC20-1649-9#			INTRODUCTION TO IBM DIRECT-ACCESS STORAGE DEVICES AND ORGANIZATION METHODS: STUDENT TEXT
85	SC20-1651-2			A GUIDE TO PL/I FOR COMMERCIAL PROGRAMMERS STUDENT TEXT
85	GC20-1663-2			OS & OS/VVS DEVELOPMENT SUPPORT LIBRARIES: INSTALLATION MANAGEMENT TEXT
85	GC20-1684-4#			INTRODUCTION TO IBM DATA PROCESSING SYSTEMS: STUDENT TEXT
	GC20-1684-3#			
04	GC20-1686-4#			OCR INPUT PREPARATION GUIDE FOR THE IBM 1287/1288 OPTICAL CHARACTER READERS
85	GC20-1699-5			DATA PROCESSING GLOSSARY
01	GC20-1729-4#			A GUIDE TO THE IBM SYSTEM/370 MODEL 155
01	GC20-1730-4			A GUIDE TO THE IBM SYSTEM/370 MODEL 165
04	GC20-1733-0			IBM 1287/1288 OCR ERROR RECOVERY GUIDE
01	GC20-1734-5	**GN20-3764	**GN20-3748	A GUIDE TO THE IBM SYSTEM/370 MODEL 145
		**GN20-3769		
01	GC20-1738-7	**GN20-3746	**GN20-3761	A GUIDE TO THE IBM SYSTEM/370 MODEL 135
		**GN20-3772		
04	GC20-1739-0			HANDPRINTING CONSIDERATIONS FOR THE IBM 1287/1288 OPTICAL CHARACTER READERS
03	GC20-1750-0			IBM 3881 OPTICAL MARK READER - FORMS KIT
04	GC20-1751-1#			IBM 3881 OPTICAL MARK READER SYSTEMS DESIGN GUIDE
20	GC20-1752-3			OS/VIRTUAL STORAGE 1 FEATURES SUPPLEMENT
20	GC20-1753-2	**GN20-3719		OS/VVS2 SINGLE VIRTUAL STORAGE SVS FEATURES SUPPLEMENT
01	GC20-1754-3	**GN20-3765	**GN20-3681	A GUIDE TO THE IBM SYSTEM/370 MODEL 158 FOR SYSTEM/370 MODEL 155 USERS
		**GN20-3743		
01	GC20-1755-3	**GN20-3763	**GN20-3674	A GUIDE TO THE IBM SYSTEM/370 MODEL 168 FOR SYSTEM/370 MODEL 165 USERS
		**GN20-3744		
20	GC20-1756-1			DOS/VIRTUAL STORAGE FEATURES SUPPLEMENT
20	GC20-1757-2			VIRTUAL MACHINE FACILITY/370 FEATURES SUPPLEMENT
04	GC20-1760-0			IBM 3886 OPTICAL CHARACTER READER FORMS KIT
13	GC20-1767-0			OPTICAL MARK READ/CARD PRINT APPLICATION SOLUTIONS IBM 3504 and 3505 CARD READERS IBM 3525 CARD PUNCH
03	GC20-1775-2			CONCEPTS OF THE IBM 3800 PRINTING SUBSYSTEM
07	GC20-1780-0	**GN20-3608	**GN20-3720	3350 3344 INSTALLATION AND CONVERSION GUIDE
01	GC20-1781-1			A GUIDE TO THE IBM SYSTEM/370 MODEL 158 FOR SYSTEM/360 USERS
01	GC20-1784-0	**GN20-3760	**GN20-3749	A GUIDE TO THE IBM SYSTEM/370 MODEL 148
		**GN20-3770		
01	GC20-1785-0	**GN20-3747	**GN20-3759	A GUIDE TO THE IBM SYSTEM/370 MODEL 138
		**GN20-3771		
34	GC20-1786-0			PLANNING GUIDE FOR THE DOS/VVS "CARDLESS" SYSTEM

01	GC20-1787-0	**GN20-3762	**GN20-3680	A GUIDE TO THE IBM SYSTEM/370 MODEL 168 FOR SYSTEM/360 USERS
20	GC20-1800-7#	**GN20-3740		VIRTUAL MACHINE FACILITY/370: INTRODUCTION
	GC20-1800-6#	**GN25-0404		
	GC20-1801-7	GN25-0404		
34	GC20-1801-7	**GN25-0405		IBM VIRTUAL MACHINE FACILITY/370 PLANNING AND SYSTEM GENERATION GUIDE
40	GC20-1806-8#			IBM VIRTUAL MACHINE FACILITY/370 OPERATOR S GUIDE
	GC20-1806-7#			
36	GC20-1807-6#	**GN25-0407		VIRTUAL MACHINE FACILITY/370: SYSTEM PROGRAMMER S GUIDE
	GC20-1807-5#			
40	GC20-1808-8			VIRTUAL MACHINE FACILITY/370: SYSTEM MESSAGES
37	GC20-1809-6#			IBM VIRTUAL MACHINE FACILITY/370 OLTSEP AND ERROR RECORDING GUIDE
	GC20-1809-5#			
40	GC20-1810-7#			IBM VIRTUAL MACHINE FACILITY/370 TERMINAL USER S GUIDE
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20	GC20-1813-4#			IBM VIRTUAL MACHINE FACILITY/370: GLOSSARY AND MASTER INDEX
30	GC20-1816-2#	**GN25-0403		VM/370 REMOTE SPOOLING COMMUNICATIONS SUBSYSTEM RSCS USER S GUIDE
36	GC20-1818-1#			IBM VIRTUAL MACHINE FACILITY/370: CMS COMMAND AND MACRO REFERENCE
	GC20-1818-0#			
39	GC20-1819-1#			VM/370: CMS USER S GUIDE
	GC20-1819-0#			
36	GC20-1820-2#			IBM VIRTUAL MACHINE FACILITY/370: CP COMMAND REFERENCE FOR GENERAL USERS
	GC20-1820-1#			
34	GC20-1821-2#			IBM VIRTUAL MACHINE FACILITY/370: OPERATING SYSTEMS IN A VIRTUAL MACHINE
	GC20-1821-1#			
34	GC20-1822-0	**GN20-2675	**GN20-2691	VM/370: RELEASE 3 GUIDE
		**GN20-2695	**GN25-0401	
37	GC20-1823-2			VM/370 INTERACTIVE PROBLEM CONTROL SYSTEM IPCS USER S GUIDE
22	SC20-1845-0			APL/CMS INSTALLATION MANUAL, PROGRAMMING RPQ MF2608 - PROG. NO. 5799-ALK
22	SC20-1846-1#			APL/CMS USER S MANUAL, PROGRAMMING RPQ MF2608 - PROG. NO. 5799-ALK
34	GC20-1852-1			INSTALLATION PRODUCTIVITY OPTION IPO FOR OS/VS2 REL 3.7 MVS : PLANNING AN MVS-IPO INSTALLATION
01	**GC20-1854-0	**GN20-3776		A GUIDE TO THE IBM 3031 PROCESSOR COMPLEX OF SYSTEM/370
01	**GC20-1858-0	**GN20-3777		A GUIDE TO THE IBM 3032 PROCESSOR COMPLEX OF SYSTEM/370
01	**GC20-1859-0			A GUIDE TO THE IBM 3033 PROCESSOR COMPLEX OF SYSTEM/370
85	GC20-8096-1			INTRODUCTION TO DATA MANAGEMENT STUDENT TEXT
30	GC21-5004-3#			OS DATA MANAGEMENT SERVICES AND MACRO INSTRUCTIONS FOR IBM 1285/1287/1288
28	SC21-5005-5#	**SN33-9191		IBM DOS RPG II LANGUAGE, PROG. NO. 5736-RG1
30	GC21-5006-4			OS DATA MANAGEMENT SERVICES AND MACRO INSTRUCTIONS FOR IBM 1419/1275
32	SC21-5013-2#			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
28	GC21-5028-5			IBM DISK OPERATING SYSTEM RPG II PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5736-RG1
28	GC21-5052-0			IBM DISK OPERATING SYSTEM RPG II AUTO REPORT FEATURE GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5736-RG1
28	SC21-5056-2=			IBM DOS RPG II AUTO REPORT FEATURE - REFERENCE MANUAL PROGRAM NUMBER 5736-RG1
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/VS1/VS2 PROG. NO. 5734-UT3
30	GC21-5071-3			IBM 3740 BTAM/TCAM PROGRAMMER S GUIDE
30	GC21-5097-1	**GN28-2591		OS AND OS/VS PROGRAMMING SUPPORT FOR THE IBM 3505 CARD READER AND IBM 3525 CARD PUNCH
28	GC21-7514-1			INTRODUCTION TO RPG II
15	GC22-7004-4#*	**GN22-2040	**GN22-2044	IBM SYSTEM/370 INSTALLATION MANUAL -- PHYSICAL PLANNING
		**GN22-2045	**GN22-2046	
15	**GC22-7067-0	**GN22-0552		3033 PROCESSOR COMPLEX FLOOR CUTOFF AID
36	GC23-0001-0	**GN25-0141		JES2 FOR MVS RELEASE 3.7: SYSTEM PROGRAM LIBRARY
36	GC23-0002-0	**GN25-0142	**GN25-0152	JES2 RELEASE 4.0: MVS, SYSTEM PROGRAM LIBRARY
36	**SC23-0003-0	**SN25-0138	**SN25-0155	SYSTEM PROGRAMMING LIBRARY: NETWORK JOB ENTRY FACILITY FOR JES2, PROG PROD 5740-XR8
34	GC23-0004-0	**SN25-0154		OS/VS2 MVS JES3 R4 SELECTABLE UNIT SYSTEM INFORMATION, SUID 5752-803
37	GC23-0005-0			OS/VS1 SERVICE AIDS & OLTEP MESSAGES
37	GC23-0006-0			OS/VS2 SERVICE AIDS & OLTEP MESSAGES
40	GC23-0007-0			OPERATOR S LIBRARY: OS/VS2 MVS JES2 R4 COMMANDS
40	GC23-0008-1			OPERATOR S LIBRARY: OS/VS2 MVS JES3 R2 COMMANDS
36	GC23-0009-3			NETWORK JOB ENTRY FACILITY FOR JES2, PROG PROD 5740-XR8 DESIGN OBJECTIVES
36	**GC23-0010-1			NETWORK JOB ENTRY FACILITY JES2 VERSION 5 PROG PROD 5740-XR8 GENERAL INFORMATION
36	**SC23-0011-0	**SN25-0139	**SN25-0147	OPERATOR S LIBRARY: JES2 VERSION 5 COMMANDS PROG PROD 5740-XR8
36	SC23-0012-0			INSTALLATION REFERENCE MATERIAL NETWORK JOB ENTRY FACILITY FOR JES2, PROG 5740-XR8
36	**GC23-0013-0			NETWORK JOB ENTRY FACILITY FOR JES2 RELEASE 1, PROG PROD 5740-XR8, SPECIFICATIONS PPS
36	GC23-0015-0			OS/VS2 MVS JES2 RELEASE 4.1 SELECTABLE UNIT SYSTEM INFORMATION SUID 5752-825
37	**GC23-0016-0			ENVIRONMENTAL RECORDING EDITING AND PRINTING EREP PROGRAM SELECTABLE UNIT: OS/VS2 SERVICE AIDS AND OLTEP MESSAGES SUPPLEMENT SUID 5752-827

34	**GC23-0018-0	**GN25-0156	OS/VS MVS JES3 3850 MSS SELECTABLE UNIT SYSTEM INFORMATION, JES3 RELEASE 2.1 - SUID 5752-818
36	GC23-0019-0		NETWORK JOB ENTRY NJE FACILITY FOR JES2 RELEASE 2, PROG PROD 5740-XR8, SPECIFICATIONS
37	**GC23-0051-0		OS/VS2 MVS JES3 3850 MASS STORAGE SYSTEM SUID 5752-818: JES3 DEBUGGING GUIDE SUPPLEMENT
40	GC23-0052-0		OS/VS2 MVS JES3 3850 MASS STORAGE SYSTEM SELECTABLE UNIT: JES3 COMMANDS - SUPPLEMENT, SUID 5752-818
36	GC23-0053-0		JES2 RELEASE 4.1 SELECTABLE UNIT SUPPLEMENT: OS/VS2 MVS JES2 SPL SUID 5752-825
37	**GC23-0054-0		DUMPING IMPROVEMENTS SELECTABLE UNIT: OS/VS2 MVS SYSTEM PROGRAMMING LIBRARY: SERVICE AIDS SUPPLEMENT SELECTABLE UNIT ID 5752-833
40	GC23-0055-0	**GN25-0150	JES2 RELEASE 4.1 SELECTABLE UNIT SUPPLEMENT: JES2 COMMANDS, SUID 5752-825
37	**GC23-0058-0		OS/VS2 MVS 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT SUPPLEMENT, SUID 5752-829
28	GC24-3337-6#		OS RPG LANGUAGE SPECIFICATIONS, PROG. NO. 360S-RG-038
34	GC24-5082-1		DOS TO OS/MFT, OS/MVT, OR OS/VS1 MANAGEMENT PLANNING GUIDE
37	GC24-5086-4#		DOS OLTEP
34	GC24-5090-6#	**GN24-5554	OS/VS1 PLANNING AND USE GUIDE
36	GC24-5091-5	**GN24-5525	OS/VS1 PROGRAMMER S REFERENCE DIGEST
34	GC24-5092-0		OS/VS1 RELEASE 1 GUIDE
37	GC24-5093-4	**GN24-5522	OS/VS1 DEBUGGING GUIDE
34	GC24-5094-6#	**GN24-5560	OS/VS1 STORAGE ESTIMATES
34	GC24-5095-3		DOS AND DOS/VS TO OS/VS1 IMPLEMENTATION GUIDE
34	GC24-5097-0	**GN24-5460	OS/VS1 RELEASE 2 GUIDE - PROG. NO. 5741-020
36	GC24-5099-3#	**GN24-5553	OS/VS1 JCL REFERENCE
36	GC24-5100-3#		OS/VS1 JCL SERVICES
30	GC24-5101-0		OS/VS IBM 3886 OPTICAL CHARACTER READER MODEL 1 REFERENCE
34	GC24-5102-0		OS/VS1 RELEASE 2.6 GUIDE
36	GC24-5103-2#		OS/VS1 SUPERVISOR SERVICES AND MACRO INSTRUCTIONS
20	GC24-5104-1#		OS/VS1 MASTER INDEX OF SL PUBLICATIONS
30	GC24-5109-1#		OS/VS DISKETTE COPY PROGRAMMING SUPPORT REFERENCE MANUAL, SCP 5744-BJ1, 5744-BL1
30	GC24-5110-0		OS/VS1 IBM 3540 PROGRAMMER S REFERENCE
30	GC24-5111-0		OS/VS2 IBM 3540 PROGRAMMER S REFERENCE
34	GC24-5113-0	**GN24-5509	OS/VS1 RELEASE 4 GUIDE
34	GC24-5114-1		OS/VS1 RELEASE 5 GUIDE
34	GC24-5115-1#		OS/VS1 SYSTEM MANAGEMENT FACILITIES SMF
34	GC24-5116-0	**GN24-5569	OS/VS1 RELEASE 6 GUIDE
30	GC24-5122-1#	**GN24-5570	VECTOR PROCESSING SUBSYSTEM VPSS PLANNING GUIDE FOR OS/VS1 AND OS/VS2 MVS
30	**GC24-5123-0		OS/VS2 MVS VECTOR PROCESSING SUBSYSTEM RELEASE GUIDE
30	**GC24-5124-0		OS/VS2 MVS VECTOR PROCESSING SUBSYSTEM INSTALLATION AND OPERATION GUIDE
30	**GC24-5125-0		OS/VS1 AND OS/VS2 MVS VECTOR PROCESSING SUBSYSTEM PROGRAMMER S GUIDE MVS SUID 5752-829
30	SC24-5149-0		ADVANCED FUNCTIONS - DOS/VS RELEASE 34 SUPPLEMENT TO DOS/VS SUPERVISOR AND I/O MACROS, GC33-5373-5 LIC PROG 5746-XE2
30	**GC24-5157-0		IBM 3895 OS/VS2 MVS PROGRAMMING SUPPORT SPECIFICATIONS, SUID 5752-830
21	GC26-3734-0		IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION: TSO ASSEMBLER PROMPTER DESIGN OBJECTIVES, PROGRAM 5734-CP2
21	GC26-3735-1		OS ASSEMBLER H, PROG. PROD. 5734-AS1 DESIGN OBJECTIVES
21	GC26-3740-1	**SN33-8216	OS TSO ASSEMBLER PROMPTER USER S GUIDE, PROG. NO. 5734-CP2
21	GC26-3758-3#	**GN33-8203	OS ASSEMBLER H GENERAL INFORMATION MANUAL, PROG. =5734-AS1
21	SC26-3759-2	**SN33-8219	OS ASSEMBLER H PROGRAMMER S GUIDE, PROG. NO. 5734-AS1
21	SC26-3768-5		OS ASSEMBLER H SYSTEM INFORMATION, PROG. NO. 5734-AS1
21	SC26-3770-2#	**SN33-8202	OS ASSEMBLER H MESSAGES, PROG. NO. 5734-AS1
21	GC26-3771-3#	**GN33-8204	OS ASSEMBLER H LANGUAGE, PROG. NO. 5734-AS1
34	GC26-3791-8#		OS/VS1 SYSTEM GENERATION REFERENCE
34	GC26-3792-6		OS/VS2 SYSTEM GENERATION REFERENCE
30	GC26-3795-2	**GN26-0825	OS/VS TAPE LABELS
31	GC26-3813-4#	**GN26-0827	OS/VS LINKAGE EDITOR AND LOADER
30	GC26-3819-3#	**GN26-0840	OS/VS VIRTUAL STORAGE ACCESS METHOD VSAM OPTIONS FOR ADVANCED APPLICATIONS
03	GC26-3829-5		INTRODUCING THE IBM 3800 PRINTING SUBSYSTEM AND ITS PROGRAMMING
30	GC26-3830-3		OS/VS2 SYSTEM PROGRAMMING LIBRARY: DATA MANAGEMENT
30	GC26-3835-1#		OS/VS VIRTUAL STORAGE ACCESS METHOD VSAM SYSTEM INFORMATION
30	GC26-3837-2	**GN26-0875	OS/VS1 DATA MANAGEMENT FOR SYSTEM PROGRAMMERS
30	GC26-3838-2#	**GN26-0837	OS/VS VIRTUAL STORAGE ACCESS METHOD VSAM PROGRAMMER S GUIDE
30	GC26-3840-2#	**GN26-0897	OS/VS1 ACCESS METHOD SERVICES
30	GC26-3841-1#	**GN26-0871	OS/VS2 ACCESS METHOD SERVICES
30	GC26-3842-2#	**GN26-0894	PLANNING FOR ENHANCED VSAM UNDER OS/VS
30	GC26-3845-0		OS/VS2 ENHANCED VSAM SYSTEM INFORMATION OS/VS2 ENHANCED VSAM ICR
30	GC26-3846-1		IBM 3800 PRINTING SUBSYSTEM PROGRAMMER S GUIDE
22	GC26-3847-2#		APL LANGUAGE REFERENCE, PROG PROD 5748-AP1
32	GC26-3855-1		OS/VS AND DOS/VS ANALYSIS PROGRAM-1 AP-1 USER S GUIDE
30	GC26-3856-0		OS/VS2 SVS INDEPENDENT COMPONENT: IBM 3350 & 3340/3344 REFERENCE
24	GC26-3857-0		IBM VS COBOL FOR OS/VS: OS/VS COBOL PROG PROD 5740-CB1, 5740-LM1
30	GC26-3858-0		OS/VS2 SVS INDEPENDENT COMPONENT: IBM 3800 PRINTING SUBSYSTEM SYSTEM INFORMATION, SCP 5742-017, FEATURES 5081, 5082, 5470, 5471
30	GC26-3859-0		IBM 3800 PRINTING SUBSYSTEM PROGRAMMER S GUIDE FOR OS/VS2 SVS, SCP 5742-017 FEATURES 5081, 5082, 5470 AND 5471

30	GC26-3860-0			OS/VS2 MVS 3800 PRINTING SUBSYSTEM SELECTABLE UNIT SYSTEM INFORMATION, SUID 5752-810
30	GC26-3861-0			OS/VS2 MVS DATA MANAGEMENT SELECTABLE UNIT SYSTEM INFORMATION, SUID 5752-808
30	GC26-3864-0			OS/VS2 MVS CVOL PROCESSOR
30	GC26-3867-0			OS/VS1 SUBSYSTEM ATTACHMENT SUPPORT SUID 5741-806, SUPPLEMENT
30	GC26-3868-0			OS/VS2 SVS INDEPENDENT COMPONENT: VIRTUAL STORAGE ACCESS METHOD VSAM PROGRAMMER S GUIDE
30	GC26-3869-0			OS/VS2 SVS INDEPENDENT COMPONENT: PLANNING FOR ENHANCED VSAM
30	GC26-3870-0			OS/VS2 SVS INDEPENDENT COMPONENT: VSAM OPTIONS FOR ADVANCED APPLICATIONS
30	GC26-3872-0			OS/VS1 DATA MANAGEMENT MACRO INSTRUCTIONS
30	GC26-3873-0			OS/VS2 MVS DATA MANAGEMENT MACRO INSTRUCTIONS
30	GC26-3874-0			OS/VS1 DATA MANAGEMENT SERVICES GUIDE
30	GC26-3875-0			OS/VS2 MVS DATA MANAGEMENT SERVICES GUIDE
36	GC26-3876-0			OS/VS1 CHECKPOINT/RESTART
36	GC26-3877-0	**GN26-0896		OS/VS2 MVS CHECKPOINT/RESTART
30	GC26-3879-0			OS/VS2 MVS 3800 PRINTING SUBSYSTEM 12 LINES PER INCH SELECTABLE UNIT SYSTEM INFORMATION, SUID 5752 848
30	GC26-3880-0			OS/VS2 SVS INDEPENDENT COMPONENT: MASS STORAGE SYSTEM MSS REFERENCE
30	GC26-3885-0			OS/VS2 MVS JES3 3850 MSS SELECTABLE UNIT: DATA MANAGEMENT - SUPPLEMENT SUID 5752-818
34	**GC26-3890-0			SUPPLEMENT TO OS/VS2 SYSTEM PROGRAMMING LIBRARY: SYSTEM GENERATION REFERENCE GC26-3792-5 SUID 5752-830
30	**GC26-3891-0			SUPPLEMENT TO OS/VS2 SYSTEM PROGRAMMING LIBRARY: DATA MANAGEMENT GC26-3830-2 SUID 5752-830
30	**GC26-3892-0			OS/VS2 MVS SYSTEM SECURITY SUPPORT SELECTABLE UNIT: DATA MANAGEMENT SERVICES - SUPPLEMENT SUID 5752-832
30	**GC26-3893-0			OS/VS2 MVS SYSTEM SECURITY SUPPORT SUPPLEMENT SUID 5752-832
30	**GC26-3894-0			OS/VS2 MVS SYSTEM SECURITY SUPPORT SELECTABLE UNIT SUPPLEMENT, SUID 5752-832
32	**GC26-3895-0			OS/VS2 MVS SYSTEM SECURITY SUPPORT SELECTABLE UNIT SUPPLEMENT SUID 5752-832
32	**GC26-3896-0			OS/VS2 MVS SYSTEM SECURITY SUPPORT SELECTABLE UNIT SUPPLEMENT SUID 5752-832
34	**GC26-3897-0			SUPPLEMENT TO OS/VS2 SYSTEM PROGRAMMING LIBRARY SUPPLEMENT: SYSTEM GENERATION REFERENCE GC26-3792-5 SUID 5752-829
34	GC26-3898-0			OS/VS2 MVS ATTACHED PROCESSOR SYSTEM FOR MODELS 158/168, SELECTABLE UNIT SUPPLEMENT, SUID 5752-847
32	**GC26-3902-0			OS/VS2 MVS UTILITIES MANUAL
30	**GC26-3906-1			OS/VS2 MVS 3800 PRINTING SUBSYSTEM SCP SPECS, 5752-810
30	**GC26-3907-0			OS/VS2 MVS 3800 PRINTING SUBSYSTEM SCP SPECS, 5752-848
30	**GC26-3909-1			OS/VS2 MVS DATA MANAGEMENT SCP SPECS, 5752-848
30	GC27-0011-0			SUPPLEMENT TO DOS/VS REL 32 PUBLICATIONS FOR RUNNING THE BATCH TRANSFER PROGRAM BTP AS A SUBTASK OF VTAM
30	GC27-0017-3	**GN31-0316	**GN31-0652	IBM 3790 COMMUNICATION SYSTEM: HOST SERVICES GUIDE SCP 5747-BQ1, 5744-BZ1, 5744-BZ2
30	GC27-0021-1#	**GN27-1573		DOS/VS VTAM DEBUGGING GUIDE
30	GC27-0022-1	**GN27-1569		OS/VS1 VTAM LEVEL 2 DEBUGGING GUIDE
30	GC27-0023-0			OS/VS2 MVS VTAM LEVEL 2 DEBUGGING GUIDE
30	GC27-0025-1	**GN27-1571		DOS/VS VTAM NETWORK OPERATING PROCEDURES
30	GC27-0027-1#			OS/VS VTAM LEVEL 2 NETWORK OPERATING PROCEDURES
30	GC27-0036-1	**GN27-1546		SUPPLEMENT TO THE VTAM LEVEL 2 MACRO LANGUAGE GUIDE FOR THE PROGRAM OPERATOR: VS1 REL 5; MVS; WITH GN27-1546, VS1 REL 6; MVS; SVS REL 1.7; DOS/VS REL 33
30	GC27-0038-1			OS/VS2 MVS VTAM2 SELECTABLE UNIT SYSTEM INFORMATION, SUID 5752-801
30	GC27-0043-0			OS/VS1 REL 4 VTAM LEVEL 1.1 DEBUGGING GUIDE
39	GC27-0046-1			OS/VS2 MVS TSO/VTAM SELECTABLE UNIT SYSTEM INFORMATION, SUID 5752-813
30	GC27-0049-0	**GN27-1577	**GN31-0707	OS/VS2 SVS VTAM SYSTEM PROGRAMMER S GUIDE
30	GC27-0050-0			OS/VS2 SVS VTAM DEBUGGING GUIDE
36	GC27-0052-0			OS/VS2 HASP II VERSION 4 USER S GUIDE, PROG 370H-TX-001
30	GC27-0053-0	**GN31-0593	**GN27-1584	OS/VS2 SVS VTAM COMPONENT RELEASE GUIDE
35	GC27-6948-2	**GN27-1460	**GN33-7083	7074 OS EMULATOR ON SYSTEM/370 REFERENCE, PROG. NOS. 360C-EU-739, 741 OS ; 5744-AJ1, AK1 VS1, VS2
35	GC27-6952-2	**GN33-7086		7080 OS EMULATOR ON MODELS 165/168: REFERENCE, PROG. NOS. 360C-EU-737 MFT/MVT , 5744-AL1 VS1/VS2
50	SC27-6955-5			VIDEO/370 USERS GUIDE - PROGRAM PRODUCTS 5734-RC5, 5736-RC3
30	GC27-6957-3	**GN27-1568	**GN27-1572	DOS/VS VTAM SYSTEM PROGRAMMER S GUIDE
		**GN27-1583	**GN31-0705	
50	SC27-6960-7			VIDEO/370 SYSTEM INFORMATION MANUAL - PROG. NOS. 5736-RC3 AND 5734-RC5
50	GC27-6967-2#			PROGRAM PRODUCT SPECIFICATIONS VIDEO/370 OS - PROGRAM NUMBER 5734-RC5
50	GC27-6969-2#			PROGRAM PRODUCT SPECIFICATIONS VIDEO/370 DOS - PROGRAM NUMBER 5736-RC3
30	GC27-6971-0	**GN27-1391	**GN27-1437	OS/VS GRAPHIC PROGRAMMING SERVICES GPS FOR IBM 2250 DISPLAY UNIT
30	GC27-6972-0	**GN27-1392		OS/VS GRAPHIC PROGRAMMING SERVICES GPS FOR IBM 2260 DISPLAY STATION LOCAL ATTACHMENT
30	GC27-6973-0	**GN27-1393		OS/VS GRAPHIC SUBROUTINE PACKAGE GSP FOR FORTRAN IV, COBOL, AND PL/I
30	GC27-6974-1#			OS/VS PROBLEM DETERMINATION AIDS AND MESSAGES AND CODES FOR GPS AND GSP
30	GC27-6978-2#			DOS VERSION 4 - BASIC TELECOMMUNICATIONS ACCESS METHOD MANUAL - PROGRAM NUMBER 370N-CQ-469
30	GC27-6980-3#	**GN27-1477	**GN27-1502	OS/VS BTAM
		**GN30-3061		
35	GC27-6983-0	**GN33-7088		7094 OS EMULATOR ON MODELS 165/168 REFERENCE, PROG 360C-EU-740 MFT/MVT ,5744-EM1 VS1/VS2

30	GC27-6985-0			DOS/VS QTAM MPPS MESSAGE PROCESSING PROGRAM SERVICES
30	GC27-6986-0			DOS/VS QTAM MCP MESSAGE CONTROL PROGRAM
30	GC27-6987-5			INTRODUCTION TO VTAM VIRTUAL TELECOMMUNICATIONS ACCESS METHOD LEVEL 2
30	GC27-6989-3#			DOS/VS BTAM
36	GC27-6992-0	**GN25-0121	**GN27-1553	OS/VS2 HASP II VERSION 4 SYSTEM PROGRAMMER S GUIDE PROG 370H-TX-001
36	GC27-6993-0	**GN27-1554	**GN25-0120	OS/VS2 HASP II VERSION 4 OPERATORS GUIDE PROG 370H-TX-001
30	GC27-6994-2#	**GN27-1582	**GN27-1574	VTAM LEVEL 2 MACRO LANGUAGE GUIDE
30	GC27-6995-4#	**GN27-1575	**GN27-1581	VTAM LEVEL 2 MACRO LANGUAGE REFERENCE
30	GC27-6996-1	**GN27-1519	**GN27-1548	OS/VS1 VTAM SYSTEM PROGRAMMER S GUIDE
		**GN31-0706		
		**GN27-1545		
30	GC27-6998-3#			VTAM LEVEL 2 CONCEPTS AND PLANNING
30	GC27-6999-2			AN INTRODUCTION TO PROGRAMMING THE IBM 3270
34	GC28-0600-2			OS/VS2 PLANNING AND USE GUIDE
34	GC28-0601-2			OS/VS2 RELEASE 1.7 GUIDE
20	GC28-0602-0			OS/VS MASTER INDEX
34	GC28-0604-4#			OS/VS2 SYSTEM PROGRAMMING LIBRARY: STORAGE ESTIMATES
34	GC28-0607-1#			INTRODUCTION TO JES3 SUID 5752-818
36	GC28-0608-4#			OS/VS2 MVS SYSTEM PROGRAMMING LIBRARY: JES 3 RELEASE 2.1 SUID 5752-818
34	GC28-0610-0			OS/VS2 MVS JES3 R2 SELECTABLE UNIT SYSTEM INFORMATION, SUID 5752-812
36	GC28-0627-1	**GN28-2741	**GN28-2725	OS/VS2 SYSTEM PROGRAMMING LIBRARY: JOB MANAGEMENT
		**GN28-2726	**GN28-2825	
36	GC28-0628-2#			OS/VS2 SYSTEM PROGRAMMING LIBRARY: SUPERVISOR
39	GC28-0629-1#	**GN28-2654	**GN28-2815	OS/VS2 SYSTEM PROGRAMMING LIBRARY: TSO
37	GC28-0636-1			OS/VS OLTEP MANUAL
37	GC28-0640-1	**GN28-2573		OS/VS DYNAMIC SUPPORT SYSTEM
39	GC28-0645-3#	**GN28-2651		OS/VS2 TSO TERMINAL USER S GUIDE
39	GC28-0646-3#	**GN28-2748	**GN28-2652	OS/VS2 TSO COMMAND LANGUAGE REFERENCE
39	GC28-0648-2#	**GN28-2653	**GN28-2647	OS/VS2 TSO GUIDE TO WRITING A TERMINAL MONITOR PROGRAM OR COMMAND PROCESSOR
		**GN28-2749	**GN28-2863	
34	GC28-0661-1			INTRODUCTION TO OS/VS2 RELEASE 2
37	GC28-0663-2#	**GN31-0683		TOLTEP FOR VTAM
37	GC28-0665-1	**GN25-0134		OS/VS1 SERVICE AIDS
37	GC28-0666-2	**GN25-0305		OS/VS1 OLTEP
34	GC28-0667-1			OS/VS2 PLANNING GUIDE FOR RELEASE 2
37	GC28-0668-3#			OS/VS1 SYS1.LOGREC ERROR RECORDING : REL 5; WITH GN25-0318, REL 6
		GN25-0318	GN25-0321	
		GN25-0327		
34	**GC28-0670-0	**GN28-2624		OS/VS2 INDEPENDENT COMPONENT: JES3 RELEASE GUIDE OS/VS2 RELEASE 3
34	GC28-0671-0			OS/VS2 RELEASE 2 GUIDE
37	GC28-0673-4#			OS/VS SYSTEM MODIFICATION PROGRAM SMP SYSTEM PROGRAMMERS GUIDE
37	GC28-0674-2#			OS/VS2 SYSTEM PROGRAMMING LIBRARY SERVICE AIDS
37	GC28-0675-1#			OS/VS2 OLTEP
37	GC28-0677-4#			OS/VS2 SYSTEM PROGRAMMING LIBRARY: SYS1.LOGREC ERROR RECORDING FOR MVS
		GN25-0310	GN25-0314	
		GN25-0312	GN25-0322	
34	GC28-0681-2#	**GN28-2616	**GN28-2657	OS/VS2 INITIALIZATION AND TUNING GUIDE
		**GN28-2854		
36	GC28-0683-1	**GN28-2604	**GN28-2712	OS/VS2 SUPERVISOR SERVICES AND MACRO INSTRUCTIONS REL 3, 3.6; WITH GN28-2604, REL 3.7
		**GN28-2713		
30	GC28-0688-1#	**GN27-1538	**GN27-1578	OS/VS2 MVS SYSTEM PROGRAMMING LIBRARY: VTAM LEVEL 2
34	GC28-0689-5	**GN28-2894	**GN28-2876	OS/VS2 CONVERSION NOTEBOOK
36	GC28-0692-3			OS/VS2 MVS JCL
20	GC28-0693-0			OS/VS2 MVS MASTER INDEX: REL 2
39	GC28-0695-0			OS/VS2 TSO SUPPORT FOR VS BASIC: REL 1.6, 1.7
34	GC28-0700-1#	**GN28-2607		OS/VS2 RELEASE 3 AND 3.6 GUIDE
37	GC28-0703-1#	**GN25-0149		OS/VS2 JES 3 DEBUGGING GUIDE
34	GC28-0706-1			OS/VS2 SYSTEM MANAGEMENT FACILITIES SMF
34	GC28-0707-1#			OS/VS2 RELEASE 3.7 GUIDE
37	GC28-0708-0	**GN28-2635	**GN28-2704	OS/VS2 DEBUGGING HANDBOOK VOLUME 1
		**GN28-2655	**GN28-2680	
37	GC28-0709-0	**GN28-2681	**GN28-2705	OS/VS2 DEBUGGING HANDBOOK VOLUME 2
		**GN28-2723	**GN28-2750	
30	GC28-0722-3			OS/VS2 MVS RESOURCE ACCESS CONTROL FACILITY RACF - GENERAL INFORMATION MANUAL - PROG PROD 5740-XXH
34	GC28-0723-0			OS/VS2 MVS SCHEDULER IMPROVEMENTS SELECTABLE UNIT SYSTEM INFORMATION, SUID 5752-804
34	GC28-0724-0			OS/VS2 MVS SUPERVISOR PERFORMANCE #1 SELECTABLE UNIT SYSTEM INFORMATION, SUID 5752-805
37	GC28-0725-1			OS/VS2 SYSTEM PROGRAMMING LIBRARY: MVS DIAGNOSTIC TECHNIQUES
34	GC28-0727-0	**GN28-2764	**GN28-2827	OS/VS2 MVS SUPERVISOR PERFORMANCE #2 SELECTABLE UNIT SYSTEM INFORMATION, SUID 5752-807
34	GC28-0728-0			OS/VS2 MVS SERVICE DATA IMPROVEMENTS SELECTABLE UNIT SYSTEM INFORMATION, SUID 5752-817
30	GC28-0729-1			OS/VS2 MVS RESOURCE ACCESS CONTROL FACILITY RACF, PROG PROD 5740-XXH, VERSION 1 RELEASE 2, DESIGN OBJECTIVES
34	GC28-0731-0			OS/VS2 MVS ATTACHED PROCESSOR SYSTEM SELECTABLE UNIT SYSTEM INFORMATION, SUID 5752-806
30	GC28-0732-2			OS/VS2 MVS RESOURCE ACCESS CONTROL FACILITY RACF, PROG PROD 5740-XXH SPECIFICATIONS
30	SC28-0733-1#	**SN28-2885	**SN28-2886	VS2 MVS RACF COMMAND LANGUAGE REFERENCE, PROG PROD 5740-XXH
30	SC28-0734-1#			OS/VS2 MVS RACF INSTALLATION REFERENCE MANUAL, PROG PROD 5740-XXH
34	GC28-0735-0			OS/VS2 MVS RESOURCE MEASUREMENT FACILITY RMF PROG PROD 5740-XXM DESIGN OBJECTIVES
34	GC28-0736-0			OS/VS2 MVS RESOURCE MEASUREMENT FACILITY RMF GENERAL INFORMATION, PROG PROD 5740-XXM
34	GC28-0737-0			OS/VS2 MVS RESOURCE MEASUREMENT FACILITY RMF, PROG PROD 5740-XXM, SPECIFICATIONS

34	SC28-0740-0	**SN28-2770		OS/VS2 MVS RESOURCE MEASUREMENT FACILITY RMF REFERENCE AND USER S GUIDE, PROG PROD 5740-XXM
39	GC28-0745-0			OS/VS2 MVS TSO COMMAND PACKAGE PROG PROD 5740-XT6 DESIGN OBJECTIVES
39	GC28-0746-0			OS/VS2 MVS TSO COMMAND PACKAGE PROG PROD 5740-XT6 SPECIFICATIONS
34	GC28-0747-3			SELECTABLE UNIT INSTALLATION GUIDE
39	SC28-0748-1			OS/VS2 MVS TSO COMMAND PACKAGE REFERENCE AND USERS GUIDE, PROG PROD 5740-XT6
36	GC28-0750-0			OS/VS2 JCL COLLATED VERSION
37	GC28-0751-0	**GN28-2830	**GN28-2842	OS/VS2 DEBUGGING HANDBOOK VOLUME 1 COLLATED VERSION
		**GN28-2834		
37	GC28-0752-0	**GN28-2835	**GN28-2843	OS/VS2 DEBUGGING HANDBOOK VOLUME 2 COLLATED VERSION
34	GC28-0755-0	**GN28-2836	**GN28-2855	OS/VS2 INITIALIZATION & TUNING GUIDE COLLATED VERSION
36	GC28-0756-0	**GN28-2766		OS/VS2 SUPERVISOR SERVICES AND MACRO INSTRUCTIONS COLLATED VERSION
37	GC28-0772-0	**GN25-0326		OS/VS ENVIRONMENTAL RECORDING EDITING AND PRINTING EREP PROGRAM, SUID 5741-601, 5752-827, ICR 5742
36	SC28-0786-1			SUPPLEMENT FOR NJE JES2 REL 2, PROG PROD 5740-XR8
37	**GC28-0787-0			OS/VS2 MVS MSS ENHANCEMENTS SELECTABLE UNIT: DEBUGGING HANDBOOK VOL 2 SUPPLEMENT SUID 5752-824
34	**GC28-0788-0			OS/VS2 MVS MSS ENHANCEMENTS SELECTABLE UNIT: INITIALIZATION AND TUNING GUIDE SUPPLEMENT, SUID 5752-824
36	**GC28-0789-0			SUPPLEMENT FOR SU24: MSS PROG ENHANCEMENTS, 5752-824
36	**GC28-0790-0			OS/VS2 MVS MSS ENHANCEMENTS SELECTABLE UNIT: SUPERVISOR SUPPLEMENT, SUID 5752-824
36	**GC28-0791-0			OS/VS2 MVS MSS ENHANCEMENTS SELECTABLE UNIT: JOB MANAGEMENT SUPPLEMENT, SUID 5752-824
36	GC28-0799-0			SUPPLEMENT FOR SU25: JES2 R 4.1 RJE 3790 SUPPORT, 5752-825
37	**GC28-0800-0			OS/VS2 MVS 3895 DEVICE SUPPORT SELECTABLE UNIT: DEBUGGING HANDBOOK VOL. 1, SUID 5752-830
34	GC28-0805-0			OS/VS2 MVS JES3 3850 MASS STORAGE SYSTEM SELECTABLE UNIT: SYSTEM MANAGEMENT FACILITIES - SUPPLEMENT SUID 5752-818
36	GC28-0806-0			SUPPLEMENT FOR SUI8: JES3 REL 2.1 MSS, 5752-818
34	**GC28-0813-0			OS/VS2 MVS SCHEDULER/IOS SUPPORT SELECTABLE UNIT SYSTEM INFORMATION SUPPLEMENT SUID 5752-816
37	**GC28-0814-0	**GN28-2859		OS/VS MVS SCHEDULER/IOS SUPPORT SELECTABLE UNIT: DEBUGGING HANDBOOK SUPPLEMENT SELECTABLE UNIT ID 5752-816
34	GC28-0815-1			OS/VS2 MVS DUMPING IMPROVEMENTS, SELECTABLE UNIT 5752-833: SYSTEM INFORMATION
37	**GC28-0816-0			OS/VS2 MVS DUMPING IMPROVEMENTS SELECTABLE UNIT: DEBUGGING HANDBOOK VOL 1, SUPPLEMENT, SUID 5752-833
37	GC28-0817-0			OS/VS2 MVS DUMPING IMPROVEMENTS SELECTABLE UNIT: DEBUGGING HANDBOOK - VOL. 2 SU ID 5752-833
34	**GC28-0818-0			SUPPLEMENT
36	GC28-0819-0			OS/VS2 MVS DUMPING IMPROVEMENTS SELECTABLE UNIT 5752-833: INITIALIZATION AND TUNING GUIDE SUPPLEMENT
36	GC28-0820-0			OS/VS2 MVS DUMPING IMPROVEMENTS SELECTABLE UNIT 5752-833: SUPERVISOR SUPPLEMENT
36	GC28-0821-0			SUPPLEMENT FOR SU33: MVS DUMPING IMPROVEMENTS, 5752-833
30	**GC28-0834-0			OS/VS2 MVS DUMPING IMPROVEMENTS SELECTABLE UNIT 5752-833: SUPPLEMENT TO SUPERVISOR SERVICES & MACRO INSTRUCTIONS
34	**GC28-0835-0	**GN28-2883		OS/VS2 MVS 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT SELECTABLE UNIT SYSTEM INFORMATION - SUID 5752-829
36	**GC28-0836-0			OS/VS2 MVS SYSTEM SECURITY SUPPORT SELECTABLE UNIT SYSTEM INFORMATION SU ID 5752-832
34	GC28-0840-0	**GN28-2884		OS/VS2 MVS SYSTEM SECURITY SUPPORT SELECTABLE UNIT 32: JOB MANAGEMENT SUPPLEMENT, SUID 5752-832
36	**GC28-0841-0			OS/VS2 MVS ATTACHED PROCESSOR SYSTEM FOR 370 MODELS 158, 168 SELECTABLE UNIT SYSTEM INFORMATION SU ID 5752-847
36	**GC28-0842-0			OS/VS2 MVS SYSTEM SECURITY SUPPORT SELECTABLE UNIT 32: SUPERVISOR SUPPLEMENT, SUID 5752-832
34	**GC28-0843-0			OS/VS2 MVS SYSTEM SECURITY SUPPORT SELECTABLE UNIT: SUPVSR SVCS & MACRO INSTR SUPPLEMENT, SUID 5752-832
36	**GC28-0844-0			OS/VS2 MVS SYSTEM SECURITY SUPPORT SELECTABLE UNIT: SYSTEM MANAGEMENT FACILITIES SUPPLEMENT, SUID 5752-832
37	**GC28-0845-0			SUPPLEMENT FOR SU32: SYSTEM SECURITY SUPPORT, 5752-832
39	**GC28-0847-0			OS/VS2 MVS SYSTEM SECURITY SUPPORT SUPPLEMENT SUID 5752-832
39	**GC28-0848-0			OS/VS2 MVS SYSTEM SECURITY SUPPORT SELECTABLE UNIT 32: TSO COMMAND LANGUAGE REFERENCE SUPPLEMENT, SUID 5752-832
39	**GC28-0849-0			OS/VS2 MVS SYSTEM SECURITY SUPPORT SELECTABLE UNIT: TSO GUIDE TO WRITING A TMP OR CP, SUPPLEMENT, SUID 5752-832
39	**GC28-0868-0			OS/VS2 MVS SYSTEM SECURITY SUPPORT SELECTABLE UNIT: TSO TERMINAL USER S GUIDE SUPPLEMENT, SUID 5752-832
37	**GC28-0869-0			OS/VS2 MVS SYSTEM SECURITY SUPPORT SELECTABLE UNIT: TSO SUPPLEMENT, SUID 5752-832
37	**GC28-0870-0			3895 PROGRAMMING SUPPORT: OS/VS2 DEBUGGING HANDBOOK, VOLUME 2, SUID 5752-830
34	**GC28-0871-1			OS/VS EREP INDEPENDENT COMPONENT RELEASE SYSTEM INFORMATION
34	GC28-0872-0			IBM OS/VS2 MVS/SYSTEM EXTENSIONS, LIC PROG 5740-XE1, DESIGN OBJECTIVES
37	GC28-0874-0			OS/VS2 MVS/SYSTEM EXTENSIONS GENERAL INFORMATION, PROG PROD 5740-XE1
34	**GC28-0890-0			OS/VS2 MVS ATTACHED PROCESSOR SYSTEM FOR 370 MODELS 158, 168 SELECTABLE UNIT SU ID 5752-847 : DEBUGGING HANDBOOK, VOL 2 SUPPLEMENT
37	**GC28-0891-0			OS/VS2 MVS HARDWARE RECOVERY ENHANCEMENTS SELECTABLE UNIT SYSTEM INFORMATION, SUID 5752-855
37	**GC28-0892-0			OS/VS2 MVS HARDWARE RECOVERY ENHANCEMENTS SUPPLEMENT: DEBUGGING HANDBOOK VOL 1 SUID 5752-855
34	**GC28-0906-0			OS/VS2 MVS HARDWARE RECOVERY ENHANCEMENTS SUPPLEMENT: DEBUGGING HANDBOOK - VOL 2 SUID 5752-855
				OS/VS2 MVS HARDWARE RECOVERY ENHANCEMENTS SUPPLEMENT: INITIALIZATION AND TUNING GUIDE, SUID 5752-855

34	**GC28-0919-0			OS/VS2 MVS RMF 2, LIC PROG 5740-XY4, DESIGN OBJECTIVES
34	**GC28-0920-1#			OS/VS2 MVS RMF 2, LIC PROG 5740-XY4, SPECIFICATIONS
34	**GC28-0921-0			OS/VS2 RESOURCE MEASUREMENT FACILITY RMF VERSION 2, PROG PROD 5740-XY4, GENERAL INFORMATION
34	**SC28-0922-1#			OS/VS2 MVS RESOURCE MEASUREMENT FACILITY RMF VERSION 2, PROG PROD 5704 XY4, REFERENCE AND USER S GUIDE
36	**GC28-0924-0			SUPPLEMENT FOR SU29: 3838 VPSS, 5752-289
37	**GC28-0925-0			OS/VS2 MVS 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT SELECTABLE UNIT SUPPLEMENT: DEBUGGING HANDBOOK VOL 1 , SUID 5752-829
37	**GC28-0926-0			OS/VS2 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT SELECTABLE UNIT SUPPLEMENT: DEBUGGING HANDBOOK VOL 2 , SUID 5752-829
36	**GC28-0927-0			SUPPLEMENT FOR SU29: 3838 VPSS, 5752-829
30	**GC28-0943-0			IBM SYSTEM CONTROL PROGRAMMING SPECIFICATION - OS/VS2 MVS 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT SPECIFICATIONS, SUID 5752-829
34	**GC28-0952-0			OS/VS2 MVS MULTIPROCESSING: AN INTRODUCTION AND GUIDE TO WRITING OPERATING AND RECOVERY PROCEDURES
21	GC28-2000-5			IBM TIME SHARING SYSTEM ASSEMBLER LANGUAGE
36	GC28-2001-9			IBM TIME SHARING SYSTEM COMMAND SYSTEM USER S GUIDE
20	GC28-2003-5			IBM TIME SHARING SYSTEM CONCEPTS AND FACILITIES
21	GC28-2004-6			IBM TIME SHARING SYSTEM ASSEMBLER USER MACRO INSTRUCTIONS
31	GC28-2005-4	**GN28-3206		IBM TIME SHARING SYSTEM LINKAGE EDITOR
37	GC28-2006-1			IBM TIME SHARING SYSTEM - TIME SHARING SUPPORT SYSTEM TSSS
25	GC28-2007-4#			IBM TIME SHARING SYSTEM FORTRAN IV LANGUAGE
36	GC28-2008-3	**GN28-3210		IBM TIME SHARING SYSTEM SYSTEM PROGRAMMER S GUIDE
34	GC28-2010-7			IBM TIME SHARING SYSTEM - SYSTEM GENERATION AND MAINTENANCE
40	GC28-2017-4			IBM TIME SHARING SYSTEM TERMINAL USER S GUIDE
36	GC28-2024-4			IBM TIME SHARING SYSTEM MANAGER S AND ADMINISTRATOR S GUIDE
25	GC28-2025-5#			IBM TIME SHARING SYSTEM FORTRAN IV PROGRAMMER S GUIDE!
25	GC28-2026-4			IBM TIME SHARING SYSTEM FORTRAN IV LIBRARY SUBPROGRAMS
37	GC28-2028-0	**GN28-3198	**GN28-3211	IBM TIME SHARING SYSTEM TEST AND MAINTENANCE USER S GUIDE
21	GC28-2032-6			IBM TIME SHARING SYSTEM ASSEMBLER PROGRAMMER S GUIDE
40	GC28-2033-8	**GN28-3207		IBM TIME SHARING SYSTEM OPERATOR S GUIDE
34	GC28-2034-1	**GN28-3184		IBM TIME SHARING SYSTEM MULTITERMINAL TASK PROGRAMMING & OPERATION
32	GC28-2038-5#			IBM TIME SHARING SYSTEM INDEPENDENT UTILITIES
29	GC28-2045-1	**GN28-3185	**GN28-3171	IBM TIME SHARING SYSTEM PL/I LANGUAGE REFERENCE MANUAL
29	GC28-2046-1			IBM TIME SHARING SYSTEM PL/I LIBRARY COMPUTATIONAL SUBROUTINES
20	GC28-2048-4			IBM TIME SHARING SYSTEM - A PRIMER FOR FORTRAN IV USERS PROGRAM NUMBER 3605-CI-555
29	GC28-2049-1#	**GN28-3208		IBM TIME SHARING SYSTEM PL/I PROGRAMMER S GUIDE
30	GC28-2056-1			IBM TIME SHARING SYSTEM DATA MANAGEMENT FACILITIES
38	GC28-2057-1			IBM TIME SHARING SYSTEM REMOTE JOB ENTRY
24	GC28-6394-6#	**GN26-0887	**GN26-0893	DOS FULL ANS COBOL PROG NOS 360N-CB-482 V2 , 5736-CB2, -LM2 V3 , 5746-CB1, -LM4 DOS/VS , REFERENCE
24	GC28-6396-5#	**GN26-0808	**GN26-0886	OS FULL ANS COBOL PROG NOS 360S-CB-545 V2 , 5734-CB1 V3 , 5734-CB2, -LM2 V4 , 5740-CB1, LM1 OS/VS PROGRAMMER S REFERENCE MANUAL
24	GC28-6402-4			DOS SUBSET ANS COBOL COMPILER & LIBRARY, GENERAL INFORMATION PROG PROD 5736-CB1
24	GC28-6403-1	**GN26-0789	**GN28-1050	DOS SUBSET ANS COBOL REFERENCE MANUAL, PROG PROD 5736-CB1
24	GC28-6407-2			IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3: GENERAL INFORMATION, PROG. NO. 5734-CB1
24	GC28-6421-4			DOS FULL ANS COMPILER AND LIBRARY V3, GENERAL INFORMATION, PROG PROD 5736-CB2, -LM2
24	GC28-6431-2#			OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 4, PLANNING GUIDE - PROGRAM NOS. 5734-CB2, -LM2
24	SC28-6432-1			OS FULL ANS COBOL COMPILER & LIBRARY VERSION 3 INSTALLATION REFERENCE MANUAL, PROG. PROD. 5734-CB1
24	SC28-6433-2	**SN20-9169		OS TSO COBOL PROMPTER TERMINAL USER S GUIDE AND REFERENCE INFORMATION, PROG PROD 5734-CP1
24	SC28-6434-1	**SN20-9168		OS TSO COBOL PROMPTER INSTALLATION REFERENCE MATERIAL, PROG PROD 5734-CP1
24	GC28-6435-1			OS TSO COBOL PROMPTER SPECIFICATIONS, PROG PROD 5734-CP1
24	SC28-6437-2#	**SN20-9193		OS FULL ANS COBOL COMPILER AND LIBRARY VERS 3, PROGRAMMER S GUIDE, PROG PROD 5734-CB1
24	SC28-6438-0	**SN28-0470	**SN28-1037	DOS SUBSET ANS COMPILER AND LIBRARY INSTALLATION REFERENCE MATERIAL, PROG PROD 5736-SC1
24	SC28-6439-0	**SN28-0472	**SN28-0483	DOS SUBSET ANS COBOL COMPILER & LIBRARY PROGRAMMER S GUIDE, PROG PROD 5736-CB1
		**SN28-1017	**SN28-1028	
		**SN28-1049	**SN26-0790	
24	SC28-6441-4#	**SN20-9174		DOS FULL ANS COBOL COMPILER & LIBRARY VERSION 3 PROGRAMMER S GUIDE, PROG. PRODUCTS 5736-CB2, 5736-LM2
24	SC28-6442-1	**SN28-1067	**SN20-9128	IBM DOS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3 INSTALLATION REFERENCE MATERIAL PROG. NOS. 5736-CB2, 5736-LM2
24	GC28-6443-4			DOS FULL ANS COMPILER VERS 3 REL 3, PROG PROD 5736-CB2, SPECIFICATIONS
24	GC28-6444-3			DOS FULL ANS COBOL OBJECT TIME SUBROUTINE LIBRARY, VERS 3, PROG PROD 5736-LM2, SPECIFICATIONS
24	GC28-6454-3			IBM OS COBOL INTERACTIVE DEBUG AND TSO COBOL PROMPTER GENERAL INFORMATION MANUAL - PROGRAM PRODUCTS 5734-CB4, 5734-CP1
24	SC28-6456-4			IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY VERSION 4, PROGRAMMERS GUIDE - PROGRAM PRODUCTS 5734-CB2 AND 5734-LM2
24	SC28-6458-2			IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 4, INSTALLATION REFERENCE MATERIAL, PROG. NOS. 5734-CB2, LM2
24	GC28-6464-2			OS FULL ANS COBOL COMPILER & LIBRARY VERS 4, PROG PROD 5736-CB2, -LM2, SPECIFICATIONS

24	SC28-6465-2#	**SN20-9176		IBM OS COBOL INTERACTIVE DEBUG TERMINAL USER S GUIDE AND REFERENCE - PROGRAM NUMBER 5734-CB4
24	SC28-6468-3#			IBM OS COBOL INTERACTIVE DEBUG: INSTALLATION REFERENCE MATERIAL - PROGRAM NUMBER 5734-CB4
24	SC28-6469-3			VM/370 CMS USERS GUIDE FOR COBOL, PROG NOS 5734-CB2, LM2 OS VERSION 4, 5740-CB1, LM-1 OS/VVS, 5746-CB1, LM4 DOS/VVS
24	GC28-6470-1			OS/VVS COBOL COMPILER AND LIBRARY, GENERAL INFORMATION, PROG PROD 5740-CB1, 5740-LM1
24	GC28-6472-1#			OS/VVS COBOL COMPILER AND LIBRARY, SPECIFICATIONS - PROG PROD 5740-CB1, -LM1
24	GC28-6473-3#	**GN20-9234		DOS/VVS COBOL COMPILER AND LIBRARY, GENERAL INFORMATION, PROG PROD 5740-CB1, -LM4
24	SC28-6478-2#	**SN20-9180	**SN20-9235	IBM DOS/VVS COBOL COMPILER AND LIBRARY PROGRAMMER S GUIDE
24	SC28-6479-2	**SN20-9181	**SN20-9233	IBM DOS/VVS COBOL COMPILER AND LIBRARY INSTALLATION REFERENCE MATERIAL - PROGRAM NUMBERS 5746-CB1 AND 5746-LM4
24	SC28-6481-1			OS/VVS COBOL COMPILER AND LIBRARY INSTALLATION REFERENCE MATERIAL - PROG PROD 5740-CB1, -LM1
24	SC28-6483-1#			OS/VVS COBOL COMPILER AND LIBRARY PROGRAMMER S GUIDE, PROG PROD 5740-CB1, -LM1
24	GC28-6485-1			OS COBOL INTERACTIVE DEBUG, PROG NO 5734-CB4, SPECIFICATIONS
28	SC28-6486-0			IBM DOS RPG II COMPILER & AUTO REPORT FEATURE INSTALLATION REFERENCE MATERIAL - PROGRAM NUMBER 5736-RG1
24	GC28-6487-1#			DOS/VVS COBOL COMPILER AND LIBRARY
	GC28-6487-0#			PROG. NOS. 5746-CB1 COMPILER AND LIBRARY 5746-LM4 LIBRARY ONLY
25	GC28-6515-10	**GN26-0805	**GN26-0891	IBM SYSTEM/360 AND SYSTEM/370 FORTRAN IV LANGUAGE - PROG PROD 5748-FO2
14	GC28-6687-2			USER S GUIDE FOR THE IBM 2947-4 CHECK COLLECTION CONTROLLER SEQUENTIAL ACCESS METHOD PROGRAM SUPPORTING RPQ 888264
30	SC28-6689-1			PROGRAM NUMBERS 5799-WAF, 5799-WAG
32	GC28-6758-0			USER S GUIDE FOR THE IBM 2947 MODEL 4 CHECK COLLECTION CONTROLLER ASSEMBLY FACILITIES, PROGRAMMING - PRPQ P88003
				PROGRAM NUMBER 5799-AAH
32	GC28-6759-2			IBM SYSTEM/360 OPERATING SYSTEM DATA SET UTILITIES SUPPORT FOR ASC II PPDO PROG. NO. 5734-UT2
32	GC28-6760-1#			PROGRAM PRODUCT DESIGN OBJECTIVES
39	GC28-6762-4#	**GN30-3075		OS/MPT, OS/MVT, AND OS/VVS DATA SET UTILITIES SUPPORT FOR ASCII - PPS - PROG. NO. 5734-UT2
32	SC28-6765-4			OS/MPT, OS/MVT, AND OS/VVS DATA SET UTILITIES SUPPORT FOR ASCII: USER S GUIDE, PROG. NO. 5734-UT2
32	SC28-6767-2			OS/MVT AND OS/VVS2 TSO TERMINALS MANUAL
				OS/MVT AND OS/VVS2 TSO DATA UTILITIES: COPY, FORMAT, LIST & MERGE: USER S GUIDE AND REFERENCE, PROG. NO. 5734-UT1
				OS/MVT AND OS/VVS2 TSO DATA UTILITIES: COPY, FORMAT, LIST, MERGE SYSTEM INFORMATION
85	GC28-6794-0			PROGRAM PRODUCT - PROGRAM NUMBER 5734-UT1
85	SC28-6808-1#			GUIDE TO PL/S II
29	GC28-6825-3#			A PL/I PRIMER: STUDENT TEXT
29	SC28-6833-1			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
29	SC28-6834-2			IBM SYSTEM/360 OS/DOS ITF: PL/I INTRODUCTION
23	SC28-6835-2			PROGRAM NUMBERS 5734-RC1, 5736-RC1
34	SC28-6836-2			IBM SYSTEM/360 OS/DOS ITF: BASIC TERMINAL USER S GUIDE
39	SC28-6838-0			PROGRAM NUMBERS 5734-RC2, 5734-RC3
39	SC28-6839-0	**SN28-1034		IBM SYSTEM/360 OS/DOS ITF INSTALLATION REFERENCE MATERIAL
39	SC28-6840-0	**SN28-1035		PROGRAM NUMBERS 5734-RC1, 3; 5736-RC1, 2
39	SC28-6841-1			IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION INTERACTIVE TERMINAL FACILITY: PL/I INTRODUCTION
25	SC28-6842-1	**SN28-0622		PROGRAM NUMBER 5734-RC2
25	SC28-6852-2	**SN20-9202		IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION INTERACTIVE TERMINAL FACILITY: PL/I TERMINAL USER S GUIDE
25	SC28-6853-1			PROGRAM NUMBER 5734-RC2
25	GC28-6854-2			IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION INTERACTIVE TERMINAL FACILITY: BASIC TERMINAL USER S GUIDE
25	SC28-6855-2#			PROGRAM NUMBER 5734-RC4
25	SC28-6856-1			IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION INTERACTIVE TERMINAL FACILITY INSTALLATION REFERENCE MANUAL
25	SC28-6858-1			PROGRAM NUMBERS 5734-RC2, 5734-RC4
25	SC28-6859-1			SYSTEM/360 OS TSO CODE AND GO FORTRAN PROCESSOR TERMINAL USER S GUIDE, PROG PROD 5734-FO1, -LM1
25	SC28-6861-2	**SN20-9191		OS FORTRAN IV H EXTENDED COMPILER PROGRAMMER S GUIDE, PROG PROD 5734-FO3, -LM3
25	GC28-6862-2			IBM OS CODE AND GO FORTRAN AND FORTRAN IV G1 PROGRAMMER S GUIDE, PROG. NOS. 5734-FO1, 2, -LM1
				FORTRAN IV G1 PROCESSOR FOR OS & VM/370 Cms: PROG. PROD. 5734-FO2 SPECIFICATIONS
				OS TSO TERMINAL USER S SUPPLEMENT FOR FORTRAN IV G1 PROCESSOR AND TSO FORTRAN PROMPTER, 5734-FO2, -CP3, -LM1
				FORTRAN IV G1 PROCESSOR AND TSO FORTRAN PROMPTER FOR OS AND VM/370 Cms: INSTALLATION REFERENCE MATERIAL, PROG. NOS. 5734-FO2, 5734-CP3
				FORTRAN IV LIBRARY MOD I FOR OS & VM/370 Cms: INSTALLATION REFERENCE MATERIAL, PROGRAM NUMBER 5734-LM1
				CODE AND GO FORTRAN PROCESSOR FOR OS & VM/370 Cms: INSTALLATION REFERENCE MATERIAL, PROG. NO. 5734-FO1
				FORTRAN IV H EXTENDED COMPILER AND FORTRAN LIBRARY MOD II FOR OS & VM/370 Cms: INSTALLATION REFERENCE MATERIAL, PROG. NOS. 5734-FO3, 5734-LM3
				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			FORTRAN IV MATHEMATICAL AND SERVICE SUBPROGRAMS: SUPPLEMENT FOR MOD I & MOD II LIBRARIES, PROG. NOS. 5734-LM1, 5734-LM3
25	SC28-6865-1	**SN20-9192		IBM OS FORTRAN IV H EXTENDED COMPILER AND LIBRARY MOD II MESSAGES, PROG. NOS. 5734-FO3, 5734-LM3
25	SC28-6868-0			SYSTEM/360 OS FORTRAN IV H EXTENDED PLUS COMPILER AND LIBRARY PRPQ USER SUPPLEMENT, PROG 5799-AAW
38	GC28-6878-4#	**GN24-5583		OS/VS1 RES SYSTEM PROGRAMMER S GUIDE
38	GC28-6879-3#	**GN24-5562	**GN24-5581	OS/VS1 RES WORKSTATION USER S GUIDE
25	GC28-6882-1			DOS FORTRAN IV LIBRARY, OPTION 1, PROG PROD 5746-LM3, SPECS
25	SC28-6883-1			DOS FORTRAN IV LIBRARY OPTION 1 PROGRAMMER S GUIDE SUPPLEMENT, PROG PROD 5746-LM3
25	GC28-6884-1			IBM FORTRAN PROGRAM PRODUCTS FOR OS AND THE CMS COMPONENT OF VM/370: GENERAL INFORMATION, PROG PROD 5734-FO1, 2, 3, 5 -LM1, 3, -CP3
25	SC28-6885-2			FORTRAN INTERACTIVE DEBUG FOR OS TSO & VM/370 CMS : TERMINAL USER S GUIDE, PROG. NO. 5734-FO5
25	SC28-6886-1			FORTRAN INTERACTIVE DEBUG FOR OS TSO & VM/370 CMS : INSTALLATION REFERENCE MATERIAL, PROG. NO. 5734-FO5
25	SC28-6891-1#	**SN20-9201	**SN20-9225	IBM VM/370 CMS TERMINAL USER S GUIDE FOR FORTRAN IV PROGRAM PRODUCTS 5734-FO1, -FO2, -FO3, -LM1, & -LM3
25	GC28-6894-0			FORTRAN IV LIBRARY MOD I FOR OS & VM/370 CMS , PROG. PROD. 5734-LM1 FUNCTIONAL DESCRIPTION
39	GC28-6895-0			OS TSO INTERACTIVE TERMINAL FACILITY: PL/I AND BASIC, FUNCTIONAL DESCRIPTION - PROG NOS. 5734-RC2; 5734-RC4
29	GC28-6897-0			OS INTERACTIVE TERMINAL FACILITY: PL/I AND BASIC - PROG. NOS. 5734-RC1, 5734-RC3, - FUNCTIONAL DESCRIPTION
85	SC28-8300-0			B IS FOR BASIC: AN INTRODUCTION TO VS BASIC UNDER TSO PROG. NO. 5748-XX1
23	GC28-8302-5#			IBM SYSTEM/370 VS BASIC GENERAL INFORMATION - PROGRAM NUMBER 5748-XX1
23	GC28-8303-2			SYSTEM/370 VS BASIC LANGUAGE
23	SC28-8304-2			SYSTEM/370 VS BASIC TSO TERMINAL USER S GUIDE PROGRAM NUMBER 5748-XX1
23	SC28-8306-1			SYSTEM/370 VS BASIC CMS TERMINAL USER S GUIDE PROG. NO. 5748-XX1
23	SC28-8308-1#			VS BASIC OS/VS & DOS/VS PROGRAMMER GUIDE, PROG PROD 5748-XX1
23	SC28-8309-2	**SN20-9185		SYSTEM/370 VS BASIC INSTALLATION REFERENCE MATERIAL PROGRAM NUMBER 5748-XX1
85	SC28-8310-0			B IS FOR BASIC AN INTRODUCTION TO VS BASIC UNDER CMS PROG. NO. 5748-XX1
23	GC28-8311-3			VS BASIC, PROG PROD 5748-XX1, SPECIFICATIONS
50	GC28-8313-0			VIDEO/370 INCLUDING THE CICS FEATURE GENERAL INFORMATION PROGRAM NUMBERS 5734-RC5 AND 5736-RC3
37	GC29-8300-1#			IBM VIRTUAL MACHINE FACILITY/370: ENVIRONMENTAL RECORDING EDITING AND PRINTING EREP PROGRAM
30	GC30-1011-0			OS/VS2 MVS TCAM 9 SELECTABLE UNIT SYSTEM INFORMATION, SUID 5752-802
38	GC30-2012-2#			OS/MPT, OS/MVT, AND OS/VS1: CRJE CONCEPTS AND FACILITIES
38	GC30-2014-2#			OS/MPT, OS/MVT, AND OS/VS1: CRJE TERMINAL USER S GUIDE
38	GC30-2016-2#			OS/MPT, OS/MVT, AND OS/VS1: CRJE SYSTEM PROGRAMMER S GUIDE
30	GC30-2025-4#			OS TCAM LEVELS 4 & 5 USER S GUIDE: VS2 REL 1.6, 1.7 OS REL 21.8
30	GC30-2034-3#			OS/VS TCAM LEVEL 4 PROGRAMMER S GUIDE
30	GC30-2037-1			OS/VS TCAM LEVELS 4 & 5 , SCP 5742, 5744-AW1/2: VS2 REL 1.6, 1.7, 2; VS1 REL 4
30	GC30-2038-1			OS/VS TCAM LEVEL 5 COMPONENT RELEASE GUIDE, SCP 5742, 5744-AW2
30	GC30-2041-3			OS/VS2 TCAM LEVEL 9 PROGRAMMER S GUIDE
30	GC30-2042-0	**GN30-2593		OS TCAM LEVELS 8 & 9 CONCEPTS AND FACILITIES
30	GC30-2044-1			OS/VS TCAM LEVELS 5 & 6 PROGRAMMER S GUIDE: VS2 REL 1.6, 1.7
30	GC30-2045-1	**GN30-2598		OS/VS TCAM LEVELS 8 & 9 USER S GUIDE
30	GC30-2046-0	**GN30-2594		OPERATOR S LIBRARY: OS/VS2 TCAM LEVELS 8 & 9
30	GC30-2047-0	**GN30-3032		OPERATOR S LIBRARY: OS/VS1 TCAM LEVELS 8 & 9
30	GC30-2049-0	**GN30-3073		OS/VS TCAM W/NCP/VS FOR SNA CONCEPTS & APPLICATIONS
50	GC30-2050-0			ADVANCED COMMUNICATIONS FUNCTION FOR TCAM-GENERAL INFORMATION, PROG PROD 5735-RC1
30	GC30-2051-1	**GN30-3082		OS/VS TCAM SYSTEM PROGRAMMER S GUIDE TCAM LEVEL 10 SELECTABLE UNIT SU IDENTIFIERS: 5741-602 OS/VS1 SU ID ; 5742-UY99915 OS/SVS ICR ; 5752-836 OS/MVS SU ID
30	GC30-2052-1	**GN30-3083		OS/VS TCAM MACRO REFERENCE GUIDE, TCAM LEVEL 10 SU ID 5741-602 AND 5752-836
30	GC30-2054-2	**GN30-3048		OS/VS1 TCAM LEVELS 8 & 9 PROGRAMMER S GUIDE
30	**GC30-2056-0			OS/VS2 TCAM LEVEL 10 SELECTABLE UNIT SYSTEM INFORMATION, SUID 5752-836
30	GC30-3001-5			IBM 3735 PROGRAMMER S GUIDE OS, DOS, AND VS SYSTEMS
30	GC30-3003-2#			3704 AND 3705 COMMUNICATIONS CONTROLLERS ASSEMBLER LANGUAGE
09	GC30-3004-4	**GN30-3081		IBM 3704 AND 3705 COMMUNICATIONS CONTROLLERS PRINCIPLES OF OPERATION
30	GC30-3005-6#			3704 & 3705 COMMUNICATIONS CONTROLLERS, EMULATION PROGRAM STORAGE & PERFORMANCE REFERENCE MANUAL
30	GC30-3006-4#			STORAGE ESTIMATES & PERFORMANCE PLANNING FOR 3704 & 3705 NCP
30	GC30-3007-1#			3704 & 3705 CONTROL PROGRAM GENERATION & UTILITIES GUIDE & REFERENCE MANUAL OS/VS TCAM LEVELS 5 & 6 IN VS1; VS2 REL 1.6, 1.7, 2, SCP 5744-BA1
30	GC30-3008-5	**GN30-3088		3704 & 3705 CONTROL PROGRAM GENERATION & UTILITIES GUIDE & REFERENCE MANUAL TCAM 10 SVS - 5742-017 SCP 5742, 5744-AN1/BA2, 5747-AG1/AJ2
30	GC30-3009-1#			NETWORK CONTROL PROGRAM/TCAM LEVELS 5 & 6 : NETWORK USER S GUIDE
09	GC30-3020-3			TELEPROCESSING PREINSTALLATION GUIDE FOR IBM 3704 AND 3705 COMMUNICATIONS CONTROLLERS
09	GC30-3021-3			TELEPROCESSING INSTALLATION RECORD FOR IBM 3704 AND 3705 COMMUNICATIONS CONTROLLERS

30	GC30-3022-5#	**GN27-1585		SYSTEM/370 SUBSYSTEM SUPPORT SERVICES LEVELS 4 & 5 USER S GUIDE
30	GC30-3024-3#	**GN30-3070	**GN30-3091	IBM 3650 SUBSYSTEM PROGRAM PREPARATION SUPPORT - APPLICATION PROGRAMMER S GUIDE, SCP 5747-BJ2 & 5744-BQ2
09	GC30-3026-5			3767 COMMUNICATION TERMINAL: SETUP INSTRUCTIONS
30	GC30-3028-2	**GN30-3093		IBM 3773, 3774, AND 3775 PROGRAMMABLE COMMUNICATION TERMINALS PROGRAMMER S GUIDE
50	GC30-3033-0			INTRODUCTION TO ADVANCED COMMUNICATIONS FUNCTION
30	GC30-3035-2			3650 RETAIL STORE SYSTEM PROGRAMMER S GUIDE REL 3.0 AND 3.1
30	GC30-3036-0	**GN30-3086		OS/V5 TCAM LEVEL 10 APPLICATION PROGRAMMER S GUIDE, SUIDS 5741-602, 5752-836, ICR 5742
30	GC30-3037-0	**GN30-3090		OPERATOR S LIBRARY: OS/V5 TCAM LEVEL 10, SUID 5741-602, 5752-836, ICR 5742
30	GC30-3038-0			OS/V52 SVS TCAM 5742-017 COMPONENT RELEASE GUIDE, TCAM LEVEL 10, FEATURES 5074 OR 5075
30	GC30-3039-1			OS/V5 TCAM INSTALLATION AND MIGRATION GUIDE LEVEL 10 SELECTABLE UNIT SU IDENTIFIERS; 5741-602 OS/V51 SU ID 5742-UY99915 OS/SVS ICR ; 5752-836 OS/MVS SU ID
30	GC30-3040-1	**GN30-3084		OS/V5 TCAM DEBUGGING GUIDE LEVEL 10, OS/V51 SUID 5741-602, OS/MVS SUID 5752-836, OS/SVS ICR 5742-UY99915
40	**GC30-3043-0			OS/V52 DUMPING IMPROVEMENTS SELECTABLE UNIT: DISPLAY CONSOLES SUPPLEMENT SUID 5752-833
30	GC30-3044-0			OS/V5 MESSAGE LIBRARY: V51 TCAM LEVEL 10 MESSAGES OS/V51 SU ID 5741-602
30	GC30-3046-0			OS/V51 TCAM LEVEL 10 SELECTABLE UNIT SYSTEM INFORMATION, SU ID 5741-602
09	SC30-3112-0			IBM SYSTEMS NETWORK ARCHITECTURE FORMAT AND PROTOCOL REFERENCE MANUAL: ARCHITECTURE LOGIC
30	**SC30-3113-0			NETWORK CONTROL PROGRAM: STRUCTURE OVERVIEW FOR START/STOP AND BSC LINE CONTROL
30	**SC30-3114-0			STORAGE ESTIMATES AND PERFORMANCE PLANNING FOR THE 3705 COMMUNICATION CONTROLLER
30	**SC30-3115-0			ACF/TAP USER S GUIDE ADVANCED COMMUNICATION FUNCTION/TRACE ANALYSIS PROGRAM SSP 6 - 5735-XX3
50	GC30-9500-0			ADVANCED COMMUNICATIONS FUNCTION FOR TCAM ACF/TCAM WITH A FEATURE FOR MULTISYSTEM NETWORKING, DESIGN OBJECTIVES, PROG PROD 5735-RC1
50	GC30-9501-0			ADVANCED COMMUNICATIONS FUNCTION FOR NCP/V5 ACF/NCP/V5 DESIGN OBJECTIVES, PROG PROD 5735-XX1
30	GC30-9502-0			SYSTEM SUPPORT PROGRAMS FOR ADVANCED COMMUNICATIONS FUNCTION NCP/V5, PROG PROD 5735-XX3 DESIGN OBJECTIVES
30	**GC30-9508-0			SYSTEM SUPPORT PROGRAMS FOR ADVANCED COMMUNICATIONS FUNCTION/NCP/V5, PROG PROD 5735-XX3, SPECIFICATIONS
30	**GC30-9510-0			MVS NCP/V5 TCAM LVL 10, 5752-836 SPECIFICATIONS
29	GC33-0001-3#	**GN33-6160	**GN33-6137	OS PL/I OPTIMIZING COMPILER: GENERAL INFORMATION MANUAL PROGRAM NUMBER 5734-PL1
29	GC33-0003-4	**GN33-6205		OS PL/I CHECKOUT COMPILER: GENERAL INFORMATION PROG. NOS. 5734-PL2, 5734-LM5
29	GC33-0004-6#			DOS PL/I OPTIMIZING COMPILER: GENERAL INFORMATION MANUAL - PROG. PROD. 5736-PL1
29	GC33-0004-5#			DOS PL/I OPTIMIZING COMPILER: LANGUAGE REFERENCE MANUAL PROGRAM NOS. 5736-PL1, AND 5736-PL3
29	GC33-0005-5			OS PL/I OPTIMIZING COMPILER - PROGRAMMER S GUIDE PROGRAM NUMBERS 5734-PL1, 5734-LM4, 5734-LM5
29	SC33-0006-4			SYSTEM/360 OPERATING SYSTEM PL/I CHECKOUT COMPILER PROGRAMMER S GUIDE - PROGRAM NUMBERS 5734-PL2, 5734-LM5
29	SC33-0007-3			DOS PL/I OPTIMIZING COMPILER: PROGRAMMER S GUIDE - PROGRAM PRODUCTS 5736-PL1, 5736-LM4 AND 5736-LM5
29	SC33-0008-4#			OS PL/I CHECKOUT AND OPTIMIZING COMPILERS: LANGUAGE REFER- ENCE MANUAL, PROG. NOS. 5734-PL1-2, LM4-5 ALL - 5734-PL3
29	GC33-0009-4#			DOS PL/I OPTIMIZING COMPILER PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5736-PL1
29	GC33-0016-8			DOS PL/I RESIDENT LIBRARY PROGRAM PRODUCT SPECIFICATIONS PROGRAM PRODUCT 5736-LM4 5736-PL3
29	GC33-0017-8			DOS PL/I TRANSIENT LIBRARY: PROG. PROD. 5736-LM5 5736-PL3 SPECIFICATIONS
29	GC33-0018-8			DOS PL/I TRANSIENT LIBRARY: PROG. PROD. 5736-LM5 5736-PL3 SPECIFICATIONS
29	SC33-0019-1	**SN33-6172		DISK OPERATING SYSTEM/360 PL/I OPTIMIZING COMPILER: EXECUTION LOGIC PROGRAM NUMBERS 5736-PL1, 5736-LM4, 5736-LM5
29	SC33-0020-5			DOS PL/I OPTIMIZING COMPILER: INSTALLATION PROGRAM NOS. 5736-PL1, LM4, LM5
29	SC33-0021-3#	**SN33-6136	**SN33-6168	DOS PL/I OPTIMIZING COMPILER: MESSAGES MANUAL, PROG. PROD. 5736-PL1, 5736-LM5
29	GC33-0022-7			SYSTEM/360 OS PL/I OPTIMIZING COMPILER PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-PL1
29	GC33-0023-7			OS PL/I RESIDENT LIBRARY - PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5734-LM4
25	GC33-0024-7			OS PL/I TRANSIENT LIBRARY - PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5734-LM5
29	SC33-0025-2	**SN33-6173		OS PL/I OPTIMIZING COMPILER: EXECUTION LOGIC PROGRAM NOS. 5734-PL1, 5734-LM4 AND 5734-LM5
29	SC33-0026-5			OS PL/I OPTIMIZING COMPILER: INSTALLATION - PROGRAM NUMBERS 5734-PL1, 5734-LM4, AND 5734-LM5 NOTE: THESE PRODUCTS ARE ALSO DISTRIBUTED AS COMPLETE PACKAGE 5734-PL3
29	SC33-0027-3	**SN33-6148	**SN33-6169	OPERATING SYSTEM PL/I OPTIMIZING COMPILER: MESSAGES PROG. NOS. 5734-PL1, 5734-LM5
29	SC33-0029-2	**SN33-6202		OS PL/I OPTIMIZING COMPILER: TSO USER S GUIDE PROG. NOS. 5734-PL1, -LM4, -LM5 ALL 5734-PL3
29	GC33-0030-5	**SN33-6163		OS PL/I CHECKOUT COMPILER - PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5734-PL2
29	SC33-0031-5=			OS PL/I CHECKOUT COMPILER: INSTALLATION - PROGRAM PRODUCTS 5734-PL2 AND 5734-LM5
29	SC33-0032-1	**SN33-6174		SYSTEM/360 OPERATING SYSTEM PL/I CHECKOUT COMPILER EXECUTION LOGIC MANUAL - PROGRAM NUMBERS 5734-PL2 5734-LM5

29	SC33-0033-2	**SN33-6132	**SN33-6164	OS PL/I CHECKOUT COMPILER: TSO USER S GUIDE - PROGRAM NUMBER 5734-PL2, 5734-LM5
29	SC33-0034-2#	**SN33-6170		SYSTEM/360 OPERATING SYSTEM PL/I CHECKOUT COMPILER: MESSAGES MANUAL - PROGRAM NUMBERS 5734-PL2, 5734-LM5
29	SC33-0035-2			DOS PL/I TRANSIENT LIBRARY MESSAGES, PROG. PROD. 5736-LM5
29	SC33-0037-3#			OS PL/I OPTIMIZING COMPILER: CMS USERS GUIDE - PROGRAM NUMBER 5734-PL1
29	GC33-0046-0			DOS PL/I OPTIMIZING COMPILER, RESIDENT LIBRARY & TRANSIENT LIBRARY: PROG. PRODS. 5736-PL1, LM4, LM5, DESIGN OBJECTIVES
29	SC33-0047-2			OS PL/I CHECKOUT COMPILER: CMS USER S GUIDE - PROGRAM NUMBERS: 5734-PL2, 5734-LM5
29	GC33-0048-0			OS PL/I CHECKOUT COMPILER, VERSION 1 RELEASE 2
50	GC33-0066-0	**GN33-6186		MODIFICATION 1: PROGRAM PRODUCT 5734-PL2 DESIGN OBJECTIVES
50	SC33-0067-0	**SN33-6187		CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE CICS/VS VERSION 1, RELEASE 3 GENERAL INFORMATION
50	SC33-0068-0	**SN33-6188		CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE CICS/VS VERSION 1, RELEASE 3: INTRODUCTION TO LOGIC, PROG PROD 5740-XX1 AND 5746-XX3
50	SC33-0070-0			CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE CICS/VS VERSION 1 RELEASE 3: SYSTEM/APPLICATION DESIGN GUIDE PROG PROD 5746-XX3 AND 5740-XX1
50	SC33-0071-0	**SN33-6231		CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE CICS/VS VERSION 1 RELEASE 3: SYSTEM PROGRAMMER S GUIDE DOS/VS PROG PROD 5746-XX3
50	SC33-0072-0	**SN33-6190		CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE CICS/VS VERSION 1 RELEASE 3: SYSTEM PROGRAMMER S GUIDE OS/VS 5740-XX1
50	SC33-0073-0	**SN33-6191		CICS/VS V1 REL 3, IBM 3600 GUIDE 5746-XX3 AND 5740-XX1
50	SC33-0074-0	**SN33-6192		CICS/VS V1 R3, IBM 3650 GUIDE 5746-XX3 AND 5740-XX1
50	SC33-0075-1	**SN33-6193		CICS/VS V1 R3, IBM 3767 AND 3770 GUIDE 5746-XX3 AND 5740-XX1
50	SC33-0077-0	**SN33-6195		CICS/VS V1 R3: IBM 3790 GUIDE, PROG PROD 5746-XX3, 5740-XX1
50	SC33-0079-0	**SN33-6197		CICS/VS V1 REL 3, APPLICATION PROGRAMMER S REFERENCE MANUAL COMMAND LEVEL, PROG PROD 5746-XX3 AND 5740-XX1
50	SC33-0080-0	**SN33-6198		CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE CICS/VS VERSION 1 RELEASE 3: APPLICATION PROGRAMMER S REFERENCE MACRO LEVEL PROG PROD 5740-XX1 AND 5746-XX3
50	SC33-0081-0	**SN33-6199		CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE CICS/VS VERSION 1 RELEASE 3: OPERATOR S GUIDE, PROG PROD 5746-XX3 AND 5740-XX1
50	SC33-0082-0			CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE CICS/VS VERSION 1 RELEASE 3: MESSAGES AND CODES
50	GC33-0087-0			PROG PROD 5746-XX3 AND 5740-XX1
35	GC33-2004-3	**GN33-7058	**GN33-7045	CICS/VS V1 R3 SUBSET USER S GUIDE, DOS/VS PROG PROD 5746-XX3
35	GC33-2005-2	**GN33-7032	**GN33-7059	CICS/OS/VS V1 R3: PROG PROD 5740-XX1, SPECIFICATIONS 1401/1440/1460/DOS EMULATOR ON MODELS 135/145/155 REFERENCE MANUAL - PROGRAM NUMBER 370N-EU-490
35	GC33-2006-3			1410/7010 DOS EMULATOR ON MODELS 145/155 REFERENCE MANUAL PROGRAM NUMBER 370N-EU-490
35	GC33-2010-0			MODEL 20 DOS EMULATOR ON SYSTEM/370 REFERENCE 370N-IC-002
35	GC33-2017-1	**GN33-7098	**GN33-7100	MODEL 20 EMULATOR ON SYSTEM/370 USING DOS AND DOS/VS PLANNING - PROG. NO. 360N-IC-002; COMPONENT NO. 5745-SC-E20
35	GC33-2018-0	**GN33-7096		DOS TO OS/VS EMULATOR - REFERENCE, PROG. NO. 5744-AS1
35	GC33-2019-0			1401/1440/1460 OS/VS EMULATOR ON SYSTEM/370 - REFERENCE 5744-AH1
35	GC33-2020-0			1410/7010 OS/VS EMULATOR ON SYSTEM/370, REFERENCE - PROG. NO. 5744-AG1
35	GC33-2021-0			DOS TO OS EMULATOR - REFERENCE PROGRAM NUMBER 360C-EU-738
35	GC33-2022-0			1401/1440/1460 OS/MFT AND OS/MVT EMULATOR ON SYSTEM/370 360S-EU-735 REFERENCE
21	GC33-4010-4#	**GN33-8193	**GN33-8201	1410/7010 OS/MFT AND OS/MVT EMULATOR ON SYSTEM/370 - REFERENCE, PROG. NO. 360C-EU-736
33	GC33-4015-0	**GN33-8207	**GN33-8226	OS/VS, DOS/VS, AND VM/370 ASSEMBLER LANGUAGE
33	GC33-4017-1			IBM SYSTEM/370 MODEL 155 SORT/MERGE TIMING ESTIMATES PLANNING GUIDE
33	SC33-4018-2			PROGRAM NUMBER 360S-SM-023
33	GC33-4020-4			IBM SYSTEM/360 DOS SORT MERGE DESIGN OBJECTIVES
21	GC33-4021-3	**GN33-8205		PROG. NO. 5743-SM1
33	SC33-4023-1	**SN33-8196		DOS SORT/MERGE PROGRAMMER S GUIDE - PROGRAM NUMBER 5743-SM1
21	GC33-4024-2#	**GN33-8200	**GN33-8208	IBM SYSTEM/360 DISK OPERATING SYSTEM SORT/MERGE GENERAL INFORMATION, PROGRAM NUMBER 5743-SM1
33	GC33-4025-1#	**GN33-8227		OS/VS, VM/370 ASSEMBLER PROGRAMMER S GUIDE
33	SC33-4026-0	**SN33-8223		DOS SORT/MERGE INSTALLATION REFERENCE MANUAL PROGRAM NUMBER 5743-SM1
33	GC33-4027-1			GUIDE TO THE DOS/VS ASSEMBLER
33	SC33-4028-1	**SN33-8198	**SN33-8225	DOS/VS SORT/MERGE SPECIFICATIONS - PROGRAM NUMBER 5746-SM1
21	SC33-4029-0	**SN33-8163	**SN33-8217	DOS/VS SORT/MERGE INSTALLATION REFERENCE MANUAL
33	GC33-4030-2#			PROG. PROD. 5746-SM1
33	GC33-4031-1			DOS/VS SORT/MERGE DESIGN OBJECTIVES - PROGRAM PRODUCT 5746-SM1
33	GC33-4032-5			DOS/VS SORT/MERGE PROGRAMMER S GUIDE - PROGRAM PRODUCT 5746-SM1
33	GC33-4033-4#			OS TSO ASSEMBLER PROMPTER INSTALLATION REFERENCE MANUAL PROGRAM NUMBER 5734-CP2
33	SC33-4034-4#			DOS/VS SORT/MERGE GENERAL INFORMATION - PROGRAM NUMBER 5746-SM1
				OS/VS SORT/MERGE PROGRAM PRODUCT 5740-SM1 DESIGN OBJECTIVES
				OS/VS SORT/MERGE: PROG. PROD. 5740-SM1 SPECIFICATIONS
				OS/VS SORT/MERGE GENERAL INFORMATION - PROGRAM PRODUCT 5740-SM1
				OS/VS SORT/MERGE INSTALLATION REFERENCE MANUAL - PROG. PROD. 5740-SM1

33	SC33-4035-4#			OS/V5 SORT/MERGE PROGRAMMER S GUIDE
				PROGRAM PRODUCT 5740-SM1
33	GC33-4036-0			DOS SORT/MERGE FUNCTIONAL DESCRIPTION, PROG PROD 5743-SM1
21	GC33-4038-0			OS TSO ASSEMBLER PROMPTER FUNCTIONAL DESCRIPTION,
				PROG PROD 5734-CP2
21	GC33-4039-0			OS ASSEMBLER H PROGRAM PRODUCT FUNCTIONAL DESCRIPTION,
				PROG PROD 5734-AS1
33	SC33-4044-0	**SN33-8232		DOS/V5 SORT/MERGE V2 PROGRAMMER S GUIDE, PROG PROD 5746-SM2
33	SC33-4045-0			DOS/V5 SORT/MERGE V2 INSTALLATION REFERENCE,
				PROG PROD 5746-SM2
30	GC33-5004-0			SYSTEM/360 DOS PLANNING GUIDE FOR PROGRAMMING THE 3330
				DIRECT ACCESS STORAGE FACILITY
20	GC33-5007-1#			SYSTEM/370 DISK OPERATING SYSTEM VERSION 4 - MANUAL
34	GC33-5008-1#			DOS VERSION 4 SYSTEM GENERATION
40	GC33-5009-1			DOS VERSION 4 MESSAGES, PROG. NO. 370N-CL-453
20	GC33-5370-5#			INTRODUCTION TO DOS/V5
34	GC33-5371-6#	**GN33-9227		DOS/V5 SYSTEM MANAGEMENT GUIDE
30	GC33-5372-3	**GN33-9183	**GN33-9186	DOS/V5 DATA MANAGEMENT GUIDE
		**GN24-5542	**GN24-5584	
30	GC33-5373-5#	**GN24-5585		DOS/V5 SUPERVISOR AND I/O MACROS
30	GC33-5374-0	**GN33-8778		DOS/V5 TAPE LABELS MANUAL
30	GC33-5375-2			DOS/V5 DASD LABELS
36	GC33-5376-5#	**GN33-9228		DOS/V5 SYSTEM CONTROL STATEMENTS
34	GC33-5377-6#	**GN33-9226	**GN33-9230	DOS/V5 SYSTEM GENERATION
40	GC33-5378-4#	**GN33-9229	**GN33-9247	OPERATOR S LIBRARY DOS/V5 OPERATING PROCEDURES
40	GC33-5379-5#	**GN33-9231		DOS/V5 MESSAGES
37	GC33-5380-3	**GN33-9232		DOS/V5 SERVICEABILITY AIDS AND DEBUGGING PROCEDURES
32	GC33-5381-2#	**GN33-9211	**GN33-9245	DOS/V5 SYSTEM UTILITIES
30	GC33-5382-5#			DOS/V5 ACCESS METHOD SERVICES USER S GUIDE
37	GC33-5383-2#	**GN25-0319	**GN25-0323	DOS/V5 OLTEP
35	GC33-5384-1			1401/1440/1460 DOS/V5 EMULATOR ON SYSTEM/370 REFERENCE
				PROG PROD 5747-CC3
35	GC33-5385-1			1410/7010 DOS/V5 EMULATOR ON SYSTEM/370 REFERENCE
				PROG PROD 5747-CC3
35	GC33-5388-2	**GN33-7068	**GN33-7071	MODEL 20 DOS/V5 EMULATOR ON SYSTEM/370 REFERENCE
		**GN33-7063	**GN33-7091	
30	GC33-5404-0			DOS/V5 VSAM PLANNING GUIDE
36	GC33-5405-0	**GN33-9206		DOS/V5 POWER/V5 WITH RJE, SNA GUIDE
34	GC33-6027-0			DOS/V5 SUPPORT FOR IBM SYSTEM/370 MODELS 135-3, 138,
				145-3, 148, AND FOR THE IBM 3203-4 PRINTER
28	GC33-6030-0			DOS/V5 RPG II GENERAL INFORMATION - PROG PROD 5746-RG1
34	GC33-6040-0	**GN33-9223		ADVANCED FUNCTIONS - DOS/V5 GENERAL INFORMATION
				PROG PROD 5746-XE2
34	SC33-6041-0	**SN33-9222		ADVANCED FUNCTIONS - DOS/V5 SYSTEM INFORMATION
				PROG PROD 5746-XE2
34	SC33-6042-0			ADVANCED FUNCTIONS - DOS/V5 RELEASE 34 SUPPLEMENT TO
				DOS/V5 SYSTEM MANAGEMENT GUIDE
36	SC33-6043-0			SYSTEM LIBRARY SUPPLEMENT ADVANCED FUNCTIONS - DOS/V5
				PROGRAM NUMBER 5746-XE2 TO DOS/V5 SYSTEM CONTROL STATEMENTS
36	SC33-6044-0			ADVANCED FUNCTIONS - DOS/V5 PROGRAM NUMBER 5746-XE2 SYSTEM
				LIBRARY SUPPLEMENT TO DOS/V5 SYSTEM CONTROL STATEMENTS
40	SC33-6045-0			ADVANCED FUNCTIONS - DOS/V5 RELEASE 34 SUPPLEMENT TO DOS/V5
				MESSAGES
37	SC33-6046-0			ADVANCED FUNCTIONS - DOS/V5 RELEASE 34 SUPPLEMENT TO
				DOS/V5 SERVICEABILITY AIDS AND DEBUGGING PROCEDURES,
				LIC PROG 5746-XE2
36	GC33-6048-0	**GN33-9233		DOS/V5 POWER/V5 INSTALLATION GUIDE AND REFERENCE REL 34
36	GC33-6049-0	**GN33-9242		DOS/V5 POWER/V5 WORK STATION USER S GUIDE
34	GC33-6050-0			ADVANCED FUNCTIONS - DOS/V5 SPECIFICATIONS LPS , LIC PROG
				5746-XE2
20	GC34-0006-6#			SYSTEM/7 LINKAGE EDITORS PROG. NOS. 360A-TX-015,025,
				5744-AC1, 5747-AC1, AND 5707-AF1
36	GC34-0056-1			DISTRIBUTED INTELLIGENCE SYSTEM: GENERAL INFORMATION MANUAL
				5744-BK1
36	GC34-0057-2	**GN30-3078		DISTRIBUTED INTELLIGENCE SYSTEM PROGRAM REFERENCE GUIDE
				PROG 5744-BK1
36	GC34-0058-2	**GN30-3079		DISTRIBUTED INTELLIGENCE SYSTEM OPERATIONS MANUAL PROG.
				NO.5744-BK1
37	**GC34-2001-0			OS/V5 DISPLAY EXCEPTION MONITORING FACILITY DEMF SYSTEM
				CONTROL PROGRAMMING SPECIFICATIONS, LIC PROG 5744-CM1
37	**GC34-2002-0			OS/V5 DISPLAY EXCEPTION MONITORING FACILITY DEMF SYSTEM
				INFORMATION, LIC PROG 5744-CM1
37	**GC34-2003-0			OS/V5 DISPLAY EXCEPTION MONITORING FACILITY USER S GUIDE
30	GC35-0010-0			OS/V52 USING OS CATALOG MANAGEMENT WITH THE MASTER CATALOG:
				CVOL PROCESSOR
30	GC35-0011-2#			OS/V5 MASS STORAGE SYSTEM MSS PLANNING GUIDE
	GC35-0011-1#			
30	GC35-0013-3	**GN35-0043	**GN35-0052	OS/V5 MASS STORAGE CONTROL TABLE CREATE
30	GC35-0014-1			OPERATORS LIBRARY: IBM 3850 MASS STORAGE SYSTEM MSS
				UNDER OS/V5
30	GC35-0016-1#	**GN35-0055		OS/V5 MSS SERVICES GENERAL INFORMATION
30	GC35-0017-0	**GN35-0044		OS/V5 MSS SERVICES REFERENCE INFORMATION
30	GC35-0018-0			OS/V51 AND OS/V52 MVS MSS ENHANCEMENTS SELECTABLE
				UNITS SYSTEM INFORMATION, SUIDS 5741-605, 5752-824
01	GC38-0005-7#			OPERATOR S LIBRARY: SYSTEM/370 MODEL 135 PROCEDURES
01	GC38-0015-6#			IBM SYSTEM/370 MODEL 145 OPERATING PROCEDURES
01	GC38-0016-0			SYSTEM/370 MODEL 138 OPERATING PROCEDURES
01	GC38-0017-0	**GN24-0802		OPERATOR S LIBRARY: IBM SYSTEM/370 MODEL 148
				OPERATING PROCEDURES
01	GC38-0025-4	**GN22-0532		IBM SYSTEM/370 MODEL 158 OPERATING PROCEDURES
01	GC38-0030-2			SYSTEM/370 MODEL 168 OPERATING PROCEDURES
40	GC38-0110-7#			OPERATOR S LIBRARY: OS/V51 REFERENCE
40	GC38-0120-5#			OPERATOR S LIBRARY: OS/V5 CONSOLE CONFIGURATIONS

40	GC38-0210-4			OPERATOR S LIBRARY: OS/VS2 REFERENCE JES2
39	GC38-0220-0			OPERATOR S LIBRARY: OS/VS2 TSO
38	GC38-0225-1#			OPERATOR S LIBRARY: OS/VS2 REMOTE TERMINALS JES2
40	GC38-0226-0			OPERATOR S LIBRARY: OS/VS2 REFERENCE JES3
38	GC38-0228-0	**GN28-2622		OPERATOR S LIBRARY: OS/VS2 REMOTE TERMINALS JES3
40	GC38-0229-0	**GN25-0131	**GN25-0132	OPERATOR S LIBRARY: OS/VS2 MVS SYSTEM COMMANDS
		**GN25-0126	**GN25-0137	
30	GC38-0251-1			NETWORK OPERATION SUPPORT PROGRAM GENERAL INFORMATION, PROG PROD 5735-XX2
30	GC38-0252-1#			NETWORK OPERATION SUPPORT PROGRAM, DESIGN OBJECTIVES, PROG PROD 5735-XX2
50	GC38-0253-2			ADVANCED COMMUNICATIONS FUNCTION FOR VTAM ACF/VTAM INCLUDING A FEATURE FOR MULTISYSTEM NETWORKING, DESIGN OBJECTIVES, PROG PROD 5746-RC3, 5735-RC2
50	GC38-0254-2			ADVANCED COMMUNICATIONS FUNCTION FOR VTAM ACF/VTAM GENERAL INFORMATION, PROG PRODS 5735-RC2, 5746-RC3
40	GC38-0255-3#	**GN30-3055		OPERATOR S LIBRARY: OS/VS1 DISPLAY CONSOLES
40	GC38-0260-2	**GN30-3054	**GN30-3053	OPERATOR S LIBRARY: OS/VS2 DISPLAY CONSOLES
30	**GC38-0277-0			NETWORK OPERATION SUPPORT PROG PROD 5735-XX2, SPECIFICATIONS
30	**SC38-0279-0			NETWORK OPERATIONS SUPPORT PROG PROD 5735-XX2, INSTALLATION AND MAINTENANCE
30	**SC38-0281-0			PROGRAM PRODUCT NETWORK OPERATION SUPPORT PROGRAM OPERATORS MANUAL, PROG PROD 5735-XX2
50	GC38-0282-1#	**GN27-1588		ADVANCED COMMUNICATIONS FUNCTION FOR VTAM ACF/VTAM CONCEPTS AND PLANNING, PROG PROD 5735-RC2, 5746-RC3
	GC38-0282-0#			SYSTEM CONTROL PROGRAMMING SPECIFICATIONS FOR ADVANCED COMMUNICATIONS FUNCTION FOR VTAM ACF/VTAM , PROG PROD 5746-RC3, 5735-RC2
30	**GC38-0286-1			OPERATOR S LIBRARY OS/VS1 RES - PROGRAM NUMBER 5741-SC1-BB
				OPERATOR S LIBRARY: OS/VS1 CRJE
38	GC38-0330-0	**GN24-5465		OS/VS MESSAGE LIBRARY: MASS STORAGE SYSTEM MSS MESSAGES
38	GC38-0335-0	**GN24-5566		OS/VS1 SYSTEM MESSAGES
30	GC38-1000-3#	**GN38-0050		OS/VS MESSAGE LIBRARY: VS2 SYSTEM MESSAGES
40	GC38-1001-7#	**GN24-5589		OS/VS1 SYSTEM CODES
40	GC38-1002-5#			
40	GC38-1003-7#	**GN24-5556	**GN24-5572	
		**GN24-5566		
32	GC38-1005-7	**GN26-0870	**GN26-0857	OS/VS UTILITIES MESSAGES
		**GN26-0885		
31	GC38-1007-4	**GN26-0824		OS/VS LINKAGE EDITOR AND LOADER MESSAGES
40	GC38-1008-3#	**GN28-2633	**GN28-2659	OS/VS2 SYSTEM CODES
		**GN28-2715	**GN28-2707	
39	GC38-1009-1#			OS/VS MESSAGE LIBRARY: VS2 TSO MESSAGES
30	GC38-1010-4#	**GN24-5582		OS/VS1 RES RTAM AND ACCOUNT MESSAGES
40	GC38-1011-4#	**GN27-1586		SYSTEM/370 SUBSYSTEM SUPPORT SERVICES LEVEL 4 MESSAGES
40	GC38-1012-3#			OS/VS2 MESSAGE LIBRARY JES 3 MESSAGES
30	SC38-1014-1#	**SN28-2887		OS/VS2 MVS RACF MESSAGES & CODES, PROG PROD 5740-XXH
40	GC38-1016-0	**GN28-2850		OS/VS2 SYSTEM CODES COLLATED VERSION
40	GC38-1017-0	**GN28-2851	**GN28-2868	OS/VS2 ROUTING & DESCRIPTOR CODES COLLATED VERSION
40	**GC38-1018-0			OS/VS2 MVS MSS ENHANCEMENTS SELECTABLE UNIT: ROUTING AND DESCRIPTOR CODES SUPPLEMENT, SUID 5752-824
40	**GC38-1019-0			SUPPLEMENT FOR SU24: MSS PROG ENHANCEMENTS, 5752-824
40	**SC38-1021-0			SUPPLEMENT FOR NJE JES2 REL3 ROUTING & DESCRIPTOR CODES, PROG PROD 5740-XR8
40	SC38-1022-0			SUPPLEMENT FOR NJE JES2 REL 2, PROG PROD 5740-XR8
40	GC38-1023-0			OS/VS2 MVS JES2 RELEASE 4.1 SELECTABLE UNIT: ROUTING AND DESCRIPTOR CODES - SUPPLEMENT SUID 5752-825
40	GC38-1024-0			SUPPLEMENT FOR SU25: JES2 R 4.1 RJE 3790 SUPPORT, 5752-825
40	GC38-1025-0			SUPPLEMENT FOR SU18: JES3 REL 2.1 MSS, 5752-818
50	GC38-1026-0			OS/VS2 MVS DUMPING IMPROVEMENTS SELECTABLE UNIT 5752-833: SYSTEM COMMANDS SUPPLEMENT
40	GC38-1027-0			OS/VS2 DUMPING IMPROVEMENTS SELECTABLE UNIT 5752-833: ROUTING & DESCRIPTOR CODES SUPPLEMENT
40	GC38-1028-0			SUPPLEMENT FOR SU33: MVS DUMPING IMPROVEMENTS, 5752-833
40	GC38-1029-0			OS/VS2 DUMPING IMPROVEMENTS SELECTABLE UNIT 5752-833: SYSTEM CODES SUPPLEMENT
40	**GC38-1030-0			SUPPLEMENT FOR SU32: SYSTEM SECURITY SUPPORT, 5752-832
40	**GC38-1031-0			OS/VS2 MVS SYSTEM SECURITY SUPPORT, SU 32 SU ID 5752-832 SUPPLEMENT
40	GC38-1032-0			OS/VS2 MVS JES3 3850 MASS STORAGE SYSTEM SELECTABLE UNIT: SYSTEM CODES - SUPPLEMENT SUID 5752-818
40	GC38-1033-0			OS/VS2 MVS ATTACHED PROCESSOR SYSTEM FOR 370 MODELS 158, 168 SELECTABLE UNIT: SYSTEM COMMANDS SU ID 5752-847 SUPPLEMENT
40	GC38-1034-0			OS/VS2 MVS ATTACHED PROCESSOR SYSTEM - SU47 SYSTEM CODES SUPPLEMENT, SUID 5752-847
40	**GC38-1035-0			OS/VS2 MVS HARDWARE RECOVERY ENHANCEMENTS SELECTABLE UNIT SUPPLEMENT, SUID 5752-855
40	**GC38-1036-0			SUPPLEMENT FOR SU55: HARDWARE RECOVERY ENHNC, 5752-855
40	**GC38-1037-0			OS/VS2 MVS HARDWARE RECOVERY ENHANCEMENTS SUPPLEMENT SUID 5752-855
40	**GC38-1038-0			SUPPLEMENT FOR SU55: HARDWARE RECOVERY ENHANCE, 5752-855
40	**GC38-1039-0			SUPPLEMENT FOR SU 29: 3838 VPSS, 5752-829
40	**GC38-1040-0			SUPPLEMENT FOR SU29: MVS 3838 VPSS, 5752-829
40	**SC38-1041-1#			SUPPLEMENT FOR RMF VERS 2, PROG PROD 5740-XY4
	SC38-1041-0#			
40	**SC38-1042-0			
40	**SC38-1043-0			RESOURCE MEASUREMENT FACILITY RMF : ROUTING AND DESCRIPTOR CODES SUPPLEMENT - PROG PROD 5740-XY4
				RESOURCE MEASUREMENT FACILITY RMF : SYSTEM CODES SUPPLEMENT, PROG PROD 5740-XY4
40	GC38-1101-1			OS/VS1 ROUTING & DESCRIPTOR CODES
40	GC38-1102-0	**GN28-2619	**GN28-2650	OS/VS2 ROUTING & DESCRIPTOR CODES
		**GN28-2708	**GN28-2718	
39	**GD21-0001-0			SUPPLEMENT FOR SU35: OS/MVT - OS/MFT, PROG PROD 5735-RC2
40	**GD23-0066-0			SUPPLEMENT FOR SU36 TO MVS ROUTING & DESC CODES: TCAM10, 5752-836

40	**GD23-0067-0		OS/VS2 MVS TCAM LEVEL 10 SELECTABLE UNIT 36: SYSTEM CODES
85	GE20-0312-2#		PREFACE TO PL/I PROGRAMMING IN SCIENTIFIC COMPUTING
00	GF20-8172-12		INSTALLATION MANAGEMENT BIBLIOGRAPHY
50	GH09-0052-0		GIS DOS/VS, PRPQ 5799-ALX SPECIFICATIONS
50	GH12-5115-1#		DATA LANGUAGE/I-ENTRY DOS/VS DL/I-ENTRY DOS/VS
			GENERAL INFORMATION MANUAL, PROG. PROD. 5746-XX7
50	GH12-5122-0		IBM SYSTEM/370 IMS/VS DATA BASE ANALYZER GENERAL
			INFORMATION MANUAL PROGRAM PRODUCT 5740-XXR OS/VS
50	GH12-5233-0		IMS/VS DATA BASE ANALYZER PROG PROD 5740-XXR OS/VS,
			SPECIFICATIONS
50	SH12-5317-0		IBM SYSTEM/370 IMS/VS DATA BASE ANALYZER USER S
			GUIDE, PROG PROD 5740-XXR OS/VS
50	SH12-5411-3#	**SN24-5575	DL/I DOS/VS APPLICATION PROGRAMMING REFERENCE MANUAL
			PROGRAM PRODUCT 5746-XX1
50	SH12-5412-3#	**SN24-5578	DL/I DOS/VS UTILITIES AND GUIDE FOR THE SYSTEM PROGRAMMER
			PROGRAM PRODUCT 5746-XX1
50	SH12-5413-3	**SN24-5576	DL/I DOS/VS SYSTEM/APPLICATION DESIGN GUIDE
			PROGRAM NO. 5746-XX1
50	SH12-5414-4#		DL/I DOS/VS OPERATOR S REFERENCE MANUAL & MESSAGES AND
			CODES, PROG. PROD. 5746-XX1
50	SH12-5415-1#	**SN12-5081	DATA LANGUAGE/I-ENTRY DOS/VS DL/I-ENTRY DOS/VS
			APPLICATION PROGRAMMING REFERENCE MANUAL PROG. PROD.
			5746-XX7
50	SH12-5418-2#		IBM DL/I-ENTRY UTILITIES REFERENCE SUMMARY
39	SH18-0007-0		TSO 3270 PRINTER SUPPORT PROGRAMMING RPQ U946866
			DESCRIPTION AND OPERATION MANUAL PROGRAM NUMBER 5799-ALB
50	GH19-0082-1		GENERALIZED INFORMATION SYSTEM DOS/VS, GENERAL INFORMATION
			PROG. NO. 5799-ALX, PRPQ 8T0139
50	GH19-0084-1		GENERALIZED INFORMATION SYSTEM DOS/VS EXECUTIVE QUERY,
			REFERENCE - PROG. NO. 5799-ALX, PRPQ 8T0139
50	SH19-0086-0		GENERAL INFORMATION SYSTEM DOS/VS LANGUAGE REFERENCE MANUAL
			- PROG. NO. 5799-ALX
50	SH19-0087-0		GENERAL INFORMATION SYSTEM DOS/VS SYSTEM PROGRAMMER S
			REFERENCE MANUAL - PROG. NO. 5799-ALX
50	SH19-0088-0		GENERAL INFORMATION SYSTEM DOS/VS MESSAGES AND CODES
			REFERENCE MANUAL - PROG. NO. 5799-ALX
50	GH19-0094-0		GENERAL INFORMATION SYSTEM DOS/VS USER S GUIDE - PROG. NO.
			5799-ALX
50	GH19-6044-0		TERMINAL BUSINESS SYSTEM/VS TO CICS/VS CONVERSION GUIDE
14	GH19-7024-0		IBM 3277 DISPLAY STATION CUSTOM FEATURE DESC. 1980-C24
			PRINTER ATTACHMENT RPQ U58950
22	GH20-0689-2#		APL/360 PRIMER, STUDENT TEXT
50	GH20-0765-4#	**GN20-9188	INFORMATION MANAGEMENT SYSTEM/360, VERSION 2, GENERAL
			INFORMATION MANUAL: PROG. PROD. 5734-XX6
22	GH20-0850-2		APL/360 - OS 5734-XM6 AND APL/360 - DOS 5736-AM6
			GENERAL INFORMATION MANUAL
50	GH20-0892-1#		IBM GENERALIZED INFORMATION SYSTEM VERSION 2 GIS/2
			APPLICATION DESCRIPTION, PROG. NO. 5734-XX1
22	GH20-0906-1		APL/360-OS 5734-XM6 , APL/360-DOS 5736-XM6 ,
			USER S MANUAL
50	SH20-0910-4#		INFORMATION MANAGEMENT SYSTEM/360, VERSION 2
			SYSTEM/APPLICATION DESIGN GUIDE
			PROGRAM NUMBER 5734-XX6
50	SH20-0911-4	**SN20-9209	INFORMATION MANAGEMENT SYSTEM/360, VERSION 2
			SYSTEM PROGRAMMING REFERENCE MANUAL
			PROGRAM NUMBER 5734-XX6
50	SH20-0912-4#		IMS/360 VERSION 2 PROG 5734-XX6 APPLICATION PROGRAMMING
			REFERENCE
50	SH20-0913-4		INFORMATION MANAGEMENT SYSTEM/360, VERSION 2,
			OPERATOR S REFERENCE MANUAL
			PROGRAM NUMBER 5734-XX6
50	SH20-0914-4#		INFORMATION MANAGEMENT SYSTEM/360, VERSION 2,
			MESSAGES AND CODES REFERENCE MANUAL,
			PROGRAM NUMBER 5734-XX6
50	SH20-0915-3	**SN20-9190	INFORMATION MANAGEMENT SYSTEM/360 VERSION 2
			UTILITIES REFERENCE MANUAL, PROG. NO. 5734-XX6
22	SH20-0938-1		APL/360 - DOS OPERATIONS AND INSTALLATION MANUAL,
			PROGRAM NUMBER 5736-XM6
50	SH20-1007-2	**SN20-9017	INFORMATION MANAGEMENT SYSTEM/360 VERSION 2 MASTER INDEX
			PROGRAM NUMBER 5734-XX6
79	GH20-1027-3		STAT/BASIC FOR SYSTEM/3 MODEL 6, ITF, AND VM/370-CMS:
			GENERAL INFORMATION, PROG. NOS. 5703-XA1, 5734-XA3
50	GH20-1028-4		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
50	SH20-1030-2#		IBM GENERALIZED INFORMATION SYSTEM VERSION 2 GIS/2
			PROGRAM DESCRIPTION MANUAL, VOLUME 1: SYSTEM OVERVIEW
			AND CONTROL, PROG. PROD. 5734-XX1
50	SH20-1032-1		IBM GENERALIZED INFORMATION SYSTEM, VERSION 2 GIS/2
			OPERATIONS MANUAL - PROGRAM NUMBER 5734-XX1
50	SH20-1033-3#		GENERALIZED INFORMATION SYSTEM VERSION 2 GIS/2
			VOLUME 3, PROCEDURAL LANGUAGE - PROGRAM DESCRIPTION MANUAL
			PROGRAM NUMBER 5734-XX1
50	SH20-1034-21	**SN20-9043	CUSTOMER INFORMATION CONTROL SYSTEM CICS OPERATIONS
			GUIDE - PROGRAM NUMBERS DOS-ENTRY 5736-XX6 DOS-STANDARD
			5736-XX7
50	SH20-1040-1		GENERALIZED INFORMATION SYSTEM VERSION 2 GIS/2 VOLUME 2:
			DATA DESCRIPTION LANGUAGE - PROGRAM DESCRIPTION MANUAL
			PROGRAM NUMBER 5734-XX1
50	SH20-1043-6		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

50	SH20-1044-4		CUSTOMER INFORMATION CONTROL SYSTEM CICS TERMINAL OPERATOR S GUIDE - PROGRAM NUMBERS DOS-ENTRY 5736-XX6, DOS-STANDARD 5736-XX7, OS-STANDARD V2 5734-XX7
50	SH20-1047-5		CUSTOMER INFORMATION CONTROL SYSTEM CICS APPLICATION PROGRAMMER S REFERENCE MANUAL PROGRAM NUMBERS 5736-XX6 DOS-ENTRY 5736-XX7 DOS-STANDARD; 5734-XX7 OS-STANDARD V2
50	SH20-1048-3#		CUSTOMER INFORMATION CONTROL SYSTEM CICS OPERATING SYSTEM STANDARD VERSION 2 OPERATIONS GUIDE PROGRAM NUMBER 5734-XX7
79	SH20-1069-2		STAT/BASIC FOR SYSTEM/3 MODEL 6, ITF, AND VM/370-CMS: PROGRAM REFERENCE - PROGRAM NUMBERS 5703-XA1, 5734-XA3
79	SH20-1070-2		STAT/BASIC FOR ITF AND VM/370-CMS: OPERATIONS GUIDE, PROGRAM NUMBER 5734-XA3
50	GH20-1074-2#		INTERACTIVE QUERY FACILITY IQF FOR IMS/360 VERSION 2 PROGRAM NUMBER 5734-XX6 - GENERAL INFORMATION MANUAL
39	SH20-1103-3		S/370 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE COMPUTING MUSIC RELEASE II, IUP 5796-AAT DESCRIPTION/OPERATIONS
39	SH20-1104-2#		S/370 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE COMPUTING MUSIC RELEASE II USER S GUIDE - IUP NUMBER 5796-AAT
82	GH20-1128-3		MATH/BASIC FOR SYSTEM/3 MODEL 6, ITF, AND VM/370-CMS GENERAL INFORMATION MANUAL, PROG. NOS. 5703-XM2 SYSTEM/3 AND 5734-XM8 ITF AND VM/370-CMS
35	GH20-1152-1	**GN33-7027	RCA 301 EMULATOR ON SYSTEM/370 USING DOS AND DOS/V S 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 S PRPQ - TRANSITION GUIDE, PROG. NO. 5799-ADT
82	SH20-1157-2		MATH/BASIC FOR ITF AND VM/370-CMS: OPERATIONS GUIDE, PROGRAM NUMBER 5734-XM8
82	SH20-1158-2		MATH/BASIC FOR SYSTEM/3 MODEL 6, ITF AND VM/370-CMS PROGRAM REFERENCE MANUAL, PROG. NOS. 5703-XM2 S/3 AND 5734-XM8 ITF-OS/DOS/TSO AND VM/370-CMS
36	GH20-1171-1		SYSTEM/370 DISTRIBUTED SYSTEM PROGRAM S/370 DSP GENERAL INFORMATION MANUAL, PROG. NO. 360A-TX-032
36	GH20-1173-1	**GN20-3146	IBM SYSTEM/360 AND SYSTEM/370 ASP VERSION 3 ASYMMETRIC MULTI PROCESSING SYSTEM: GENERAL INFORMATION MANUAL, PROG. NO. 360A-CX-15X
82	GH20-1175-2		BUSINESS ANALYSIS/BASIC GENERAL INFORMATION MANUAL, PROG. NOS. 5703-XM3 SYSTEM/3 MODEL 6 AND 5734-XMB ITF-OS/DOS/TSO AND VM/370-CMS
50	SH20-1177-1		PLANNING GUIDE FOR THE DL/I QUERY SUPPORT FEATURE OF GENERALIZED INFORMATION SYSTEM VERSION 2 GIS/2 PROGRAM NUMBER 5734-XX1
30	GH20-1207-2		TELECOMMUNICATIONS CONTROL SYSTEM TCS CONCEPTS AND FACILITIES MANUAL - PROGRAM PRODUCT 5734-F31
30	SH20-1208-2		TELECOMMUNICATIONS CONTROL SYSTEM TCS PROGRAMMER S GUIDE AND REFERENCE MANUAL - PROGRAM PRODUCT 5734-F31
30	SH20-1209-1		TELECOMMUNICATIONS CONTROL SYSTEM TCS OPERATIONS GUIDE, PROGRAM NUMBER 5734-F31
50	GH20-1222-0		INTERACTIVE QUERY FACILITY IQF INTRODUCTION LANGUAGE GUIDE PROGRAM NUMBER 5734-XX6
50	GH20-1223-1#		IQF TERMINAL USERS REFERENCE GUIDE INTERACTIVE QUERY FACILITY IMS/360 - PROGRAM NUMBER 5734-XX6
50	GH20-1246-4#	**GN24-5591	DATA LANGUAGE/I DISK OPERATING SYSTEM/VIRTUAL STORAGE DL/I DOS/V S GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5746-XX1
50	GH20-1251-3		DISPLAY MANAGEMENT SYSTEM II DMS II GENERAL INFORMATION MANUAL - PROGRAM PRODUCTS 5734-XC4 AND 5736-XC4
50	GH20-1260-6		IMS/V S GENERAL INFORMATION MANUAL, PROG. PROD. 5740-XX2
82	SH20-1262-1		BUSINESS ANALYSIS/BASIC FOR ITF AND VM/370-CMS OPERATIONS GUIDE, PROG. NO. 5734-XMB
82	SH20-1264-2		BUSINESS ANALYSIS/BASIC PROGRAM REFERENCE MANUAL, PROG. NOS. 5703-XM4 S/3 MOD 6, 5734-XMB ITF-OS/DOS/TSO & VM/370-CMS
50	GH20-1272-0		DATA BASE DESIGN EVALUATION DBPROTOTYPE GENERAL INFORMATION MANUAL - IUP NUMBER 5796-PBB
50	GH20-1273-0		PROGRAMMING LANGUAGE FOR IMS-PLIMS GENERAL INFORMATION MANUAL - IUP NUMBER 5796-PBF
36	GH20-1289-1	**GN20-9096	ASYMMETRIC MULTIPROCESSING SYSTEM OPERATOR S MANUAL, PROG. NO. 360A-CX-15X
36	GH20-1290-1	**GN20-9094	ASYMMETRIC MULTIPROCESSING SYSTEM: MESSAGES & CODES MANUAL, PROGRAM NUMBER 360A-CX-15X
36	GH20-1291-1	**GN20-9095	ASYMMETRIC MULTIPROCESSING SYSTEM - APPLICATION PROGRAMMER S MANUAL - PROGRAM NUMBER 360A-CX-15X
36	GH20-1292-2		IBM S/360 AND S/370 ASP VERSION 3 ASYMMETRIC MULTIPROCESSING SYSTEM - SYSTEM PROGRAMMER S MANUAL - PROGRAM NUMBER 360A-CX-15X
50	SH20-1296-0		FASTER LANGUAGE FACILITY PROGRAM REFERENCE MANUAL AND OPERATIONS GUIDE PROG. NOS. 5740-XX1 CICS/OS/V S, 5746-XX3 CICS/DOS/V S
50	SH20-1303-1		DBPROTOTYPE PROGRAM DESCRIPTION/OPERATIONS MANUAL - IUP NUMBER 5796-PBB
50	SH20-1304-1#		PROGRAMMING LANGUAGE FOR IMS - PLIMS PROGRAM DESCRIPTION/OPERATIONS MANUAL - IUP NUMBER 5796-PBF
50	SH20-1305-0	**SN20-2707	IMSMAP - DATA BASE MAPPING PROGRAMS - PROGRAM DESCRIPTION/OPERATIONS MANUAL - IUP NUMBER 5796-PBC
50	SH20-1306-0		BTS BATCH TERMINAL SIMULATOR PROGRAM DESCRIPTION/OPERATIONS MANUAL - IUP NUMBER 5796-PBD
50	SH20-1307-1#	**SN20-3172	TEST IMS UTILITIES PROGRAM DESCRIPTION/OPERATIONS MANUAL IUP NUMBER 5796-PBE
50	SH20-1358-2		S/370 CICS ON LINE TEST/DEBUG CON EDISON - IUP 5796-AEF DESCRIPTION/OPERATIONS
50	SH20-1359-1		S/370 CICS/COBOL CALL INTERFACE NATIONAL BANK OF DETROIT 5796-AEG DESCRIPTION/OPERATIONS

50	SH20-1360-0	**SN20-3409		3270 FORMATTING FEATURE FOR BATCH TERMINAL SIMULATOR BTS IUP 5796-PBD DESCRIPTION/OPERATIONS
37	SH20-1361-1#			TEST DATA GENERATOR: IUP 5796-PBP DESCRIPTION/OPERATIONS
50	SH20-1368-0			DATA COMMUNICATION ANALYZER DCANALYZER IUP 5796-PCA DESCRIPTION/OPERATIONS
50	SH20-1390-1			3270 SCREEN IMAGE PROCESSOR FOR IMS AND IMS/VIS - IUP 5796-AFC, DESCRIPTION/OPERATIONS
36	GH20-1403-0	**GN20-3147		IBM SYSTEM/360 AND SYSTEM/370 ASP VERSION 3 ASYMMETRIC MULTIPROCESSING SYSTEM LOGIC MANUAL - PROGRAM NUMBER 360A-CX-15X
50	SH20-1456-1	**SN20-3475		DISPLAY MANAGEMENT SYSTEM II DMS II OS/VIS OPERATIONS GUIDE PROGRAM NUMBER 5734-XC4
50	SH20-1457-1	**SN20-3303	**SN20-3474	DISPLAY MANAGEMENT SYSTEM II DMS II OS/VIS PROGRAM REFERENCE MANUAL - PROGRAM NUMBER 5734-XC4
22	SH20-1460-2#			APL SHARED VARIABLES APLSV USER S GUIDE PRPQ WE1191 PROG. NO. 5799-AJF
22	SH20-1461-1			APL SHARED VARIABLES APLSV PROGRAMMING PRPQ WE1191 OPERATIONS GUIDE - PROGRAM NUMBER 5799-AJF
50	GH20-1502-1			FASTER LANGUAGE FACILITY FOR THE CUSTOMER INFORMATION CONTROL SYSTEM CICS/VIS GENERAL INFORMATION MANUAL, PROG. PROD. 5740-XX1 & 5746-XX3
50	GH20-1514-0			FASTER TO CICS/VIS MIGRATION TECHNIQUES GUIDE
50	SH20-1539-0			IMSMAP/VIS - IUP 5796-PCY, DESCRIPTION/OPERATIONS
50	SH20-1540-0	**SN20-3193		BTS/VIS - IUP 5796-PCZ, DESCRIPTION/OPERATIONS
50	SH20-1541-0	**SN20-3420		TEST IMS/VIS UTILITIES - IUP 5796-PDA, DESCRIPTION/OPERATIONS
34	SH20-1550-0	**SN20-3416		VM/SGP - STATISTICS GENERATING PACKAGE - IUP 5796-PDD, DESCRIPTION/OPERATIONS
36	SH20-1552-0			JOB CONTROL LANGUAGE EDITOR - IUP 5796-PDC, DESCRIPTION/OPERATIONS
32	SH20-1558-2			DOS DBDUMP UTILITY PROGRAM FOR VANDL/I AND DL/I - PROG. NO. 5796-AFY DESCRIPTION/OPERATIONS
50	SH20-1561-2			INTERACTIVE QUERY AND REPORT PROCESSOR IQRP - IUP 5796-PDG, TERMINAL USER GUIDE
50	SH20-1562-2			INTERACTIVE QUERY AND REPORT PROCESSOR IQRP BOOK I IUP 5796-PDG, DESCRIPTION/OPERATIONS AND SYSTEM ANALYST MANUAL
50	SH20-1563-1			INTERACTIVE QUERY AND REPORT PROCESSOR IQRP BOOK II IUP 5796-PDG, OPERATIONS/INSTALLATION GUIDE
32	SH20-1564-0			3525 GENERAL PURPOSE UTILITIES - IUP 5796-AGE, DESCRIPTION/ OPERATIONS
31	SH20-1567-0			AUDIT SOURCE CODE COMPARE - DOS - IUP 5796-PDF DESCRIPTION/OPERATIONS
31	SH20-1568-1	**SN20-3414		AUDIT SOURCE CODE COMPARE OS/VIS - IUP 5796-PDH, DESCRIPTION/ OPERATIONS
39	SH20-1569-0			FULL SCREEN 3270 SUPPORT FOR PL/1 AND ASSEMBLER APPLICATION UNDER TSO, IUP 5796-AGH
50	SH20-1572-0	**SN20-3351	**SN20-3472	DISPLAY MANAGEMENT SYSTEM II DOS/VIS DMS II OPERATIONS GUIDE, PROG. NO. 5736-XC4
50	SH20-1573-0	**SN20-3352	**SN20-3476	DISPLAY MANAGEMENT SYSTEM II -- DOS/VIS DMS II PROGRAM REFERENCE MANUAL, PROG. PROD. 5736-XC4
38	GH20-1574-1#			DOS/VIS REMOTE JOB ENTRY WORKSTATION PROGRAM PROGRAMMING RPQ WF0358 GENERAL INFORMATION MANUAL PROG. NO. 5799-WHX
38	SH20-1589-1			DOS/VIS REMOTE JOB ENTRY WORKSTATION PROGRAM - PROGRAMMING RPQ WF0358 OPERATION & INSTALLATION GUIDE, PROG. NO. 5799-WHX
38	SH20-1590-1			DOS/VIS REMOTE JOB ENTRY WORKSTATION PROGRAM PROGRAMMING RPQWF0358 REFERENCE - PROG. NO. 5799-WHX
38	SH20-1592-0			DOS/VIS REMOTE JOB ENTRY WORKSTATION PROGRAM, LOGIC, PROGRAMMING RPQ WF0358, PROG. NO. 5799-WHX
40	SH20-1606-0			VM/370 SYSTEM FOR ONLINE TAPE AND DISK LIBRARIES - IUP 5796-AGN, DESCRIPTION/OPERATIONS
34	SH20-1610-0			DOS TO OS CONVERSION SYSTEM - IUP 5796-AFZ DESCRIPTION/OPERATIONS
34	SH20-1618-0			PEOPLES GAS LIGHT AND COKE COMPANY SMF GRAPHICAL ANALYSIS IUP 5796-AFP, DESCRIPTION/OPERATIONS
34	SH20-1619-0			VM/370 GRAPHIC MONITOR, IUP 5796-PDT, DESCRIPTION/OPERATION
33	SH20-1623-0			DOS/VIS 2560 SORT, IUP 5796-AGX DESCRIPTION/OPERATIONS
33	SH20-1624-0			EXTENDED COBOL SORT - IUP 5796-AGZ, DESCRIPTION/OPERATIONS
32	SH20-1625-0	**SN20-3411		GENERAL PURPOSE TAPE AND DISK SCANS PHILLIPS VAN HANSEN DESCRIPTION/OPERATIONS, IUP 5796-AGY
30	**GH20-1626-2			DATA BASE DESIGN AID GENERAL INFORMATION MANUAL PROG PROD 5740-XY8, 5746-XXQ
30	**GH20-1627-2			DATA BASE DESIGN AID DESIGNER S GUIDE, PROG PROD 5740-XY8, 5746-XXQ
85	GH20-1628-0			A GUIDE TO TESTING IN A COMPLEX SYSTEM ENVIRONMENT
30	SH20-1637-1	**SN20-3469	**SN20-3534	3330, 3333-M11 SUPPORT FOR DOS/VIS, PRPQ EF4346 - PROG NO 5799-WHZ, SYSTEMS GUIDE
39	GH20-1638-1#			TSO - 3270 STRUCTURED PROGRAMMING FACILITY SPF, GENERAL INFORMATION - PROGRAM NO. 5740-XT2
37	GH20-1639-2#	**GN20-3669		DB/DC DRIVER SYSTEM: GENERAL INFORMATION MANUAL, PROG. PROD. 5740-XXA
30	SH20-1649-0			TELECOMMUNICATIONS CONTROL SYSTEM TCS PROGRAMMING RPQ EF0378 OPERATIONS GUIDE - PROG 5799-AKL
30	**SH20-1651-2			DATA BASE DESIGN AID REFERENCE/OPERATIONS GUIDE PROG. NO. 5740-XY8, 5746-XXQ
39	SH20-1658-0			S/370 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE COMPUTING IUP 5796-AAT, 5796-AHQ, 5796-AJC
37	SH20-1662-0	**SN20-3417		AUTOMATED UNIT TEST, IUP 5796-PEC, DESCRIPTION/OPERATION
34	SH20-1669-1			VS/REPACK, IUP 5796-PDZ, DESCRIPTION/OPERATION
30	SH20-1670-0			WIDEBAND COMMUNICATION PROGRAM, IUP 5796-PDJ, DESCRIPTION/OPERATIONS
21	SH20-1671-0			ASSEMBLER H/CMS INTERFACE, IUP 5796-PEJ DESCRIPTION/OPERATIONS

21	SH20-1674-0			IBM CONVERSION AID FOR RCA/TDOS ASSEMBLER TO OS/V S ASSEMBLER
50	GH20-1685-0	**GN20-3567		DESCRIPTION/OPERATIONS, IUP 5796-PEX
50	SH20-1686-0	**SN20-3565		TELECOMMUNICATIONS ACCESS METHOD IMS/V S INTERFACE GENERAL
37	SH20-1696-1			INFORMATION MANUAL, PROG PROD 5740-XXC
37	SH20-1697-0	**SN20-3639	**SN20-3671	TELECOMMUNICATIONS ACCESS METHOD IMS/V S INTERFACE PROGRAM
37	SH20-1698-0	**SN20-3672		REFERENCE MANUAL, PROG PROD 5740-XXC
37	SH20-1699-0	**SN20-3606	**SN20-3638	DB/DC DRIVER SYSTEM REFERENCE MANUAL PROG PROD 5740-XXA
		**SN20-3670	**SN20-3675	DB/DC DRIVER SYSTEM OPERATIONS GUIDE, PROG PROD 5740-XXT
50	GH20-1702-2	**GN20-3700		DB/DC DRIVER SYSTEM
				TERMINAL USER S MANUAL, PROG PROD 5740-XXA
				DB/DC DRIVER SYSTEM SCRIPT WRITER S GUIDE, PROG 5740-XXT
50	SH20-1704-3#			EXTENDED TELECOMMUNICATIONS MODULES EXTM VERSION 2
				FEATURE OF CICS/DOS/V S PROG. PROD. 5746-XXB, GENERAL
				INFORMATION MANUAL
50	SH20-1707-0			EXTENDED TELECOMMUNICATIONS MODULES EXTM
				FEATURE OF CICS/DOS/V S VERSION 2
				PROGRAM REFERENCE MANUAL - PROG PROD 5746-XXB
50	SH20-1708-0			IMS/V S LOGTAPE MANAGEMENT SYSTEM, IUP 5796-AHT
24	SH20-1716-0			DESCRIPTION/OPERATION
34	SH20-1720-1			TCAM/VIDEO 370 INTERFACE IUP 5796-AHR, DESCRIPTION/OPERATION
32	SH20-1721-0			COBOL MAINTENANCE AND DOCUMENTATION AID, IUP 5796-AHY,
32	SH20-1726-0			5796-AHZ, DESCRIPTION/OPERATIONS
25	SH20-1727-0			SVS/MVS SYSTEM AND JOB IMPACT ANALYSIS, IUP 5798-AJF,
39	SH20-1730-0			DESCRIPTION/OPERATION
30	SH20-1733-1	**SN20-3751	**SN20-3766	IMS 3270 LOCAL COPY IUP 5796-AHL, DESCRIPTION/OPERATIONS
30	SH20-1734-3#	**SN20-3750		DOS/V S GENERALIZED FILE MAINTENANCE SYSTEM, IUP 5796-AJJ
				DESCRIPTION/OPERATIONS
30	GH20-1735-1	**GN20-3611	**GN20-3718	FORTRAN CONVERSION AID, IUP 5796-PFG, DESCRIPTION/OPERATION
50	SH20-1745-0	**SN20-3618		TSO-3270 STRUCTURED PROGRAMMING FACILITY SPF
34	SH20-1749-1			PROGRAM REFERENCE MANUAL - PROG PROD 5740-XT2
32	SH20-1754-0			TELECOMMUNICATIONS CONTROL SYSTEM - ADVANCED FUNCTION
50	SH20-1756-0			TSC-AF OPERATIONS GUIDE - PROG PROD 5740-XXD
24	SH20-1761-0			TELECOMMUNICATIONS CONTROL SYSTEM-ADVANCED FUNCTION
50	SH20-1769-0			TCS-AF PROGRAMMER S GUIDE AND REFERENCE MANUAL, PROG
36	SH20-1773-0	**SN20-3619		PROD 5740-XXD
30	SH20-1775-0			TELECOMMUNICATIONS CONTROL SYSTEM - ADVANCED FUNCTION
30	SH20-1780-0			TCS-AF CONCEPTS AND FACILITIES, PROG PROD 5740-XXD
30	SH20-1781-0			SYSTEM/370 DISPLAY MANAGEMENT SYSTEM PROGRAMMING RPQ Z06076
32	SH20-1782-0			DESCRIPTION/OPERATIONS, PROG 5799-AFD
50	SH20-1787-0			DOS/V S SYSTEM DIRECTORY LIST OPTIMIZER, IUP 5796-PFH
23	SH20-1800-0	**SN20-3421		DESCRIPTION/OPERATIONS
50	SH20-1802-0			DOS/V S DBDUMP UTILITY PROGRAM FOR VANDL/1-DL/I DL/I ENTRY
30	SH20-1803-0			IUP 5796-AJE DESCRIPTION/OPERATIONS
50	SH20-1804-0			IMS/V S HDAM ALGORITHM ANALYZER PROGRAMS, IUP 5796-AJL
39	SH20-1805-1			DESCRIPTION/OPERATIONS
29	SH20-1809-0			COBOL PROGRAM TRANSLATOR FOR DOS AND DOS/V S IUP 5796-PFB,
50	SH20-1811-0			DESCRIPTION/OPERATIONS
34	SH20-1813-1			DOS MAP DL/I, IUP 5796-PCW, DESCRIPTION/OPERATIONS
34	SH20-1814-0			IBM SYSTEM/370 SPECIAL REAL TIME OPERATING SYSTEM
30	SH20-1815-0			PROGRAMMING RPQ Z06751 DESCRIPTION AND OPERATION MANUAL -
34	SH20-1816-0			PROG 5799-AHE
34	SH20-1817-0			DISK VOLUME MAP, IUP 5796-PFL, DESCRIPTION/OPERATIONS
30	SH20-1818-1			VSAM ACCESS SUBROUTINES IUP 5796-AJW, DESCRIPTION/OPERATIONS
34	SH20-1836-1			CENTRAL HUDSON GAS & ELECTRIC VSAM ACCESS SUBROUTINES
33	SH20-1842-0			DESCRIPTION/OPERATIONS, IUP 5796-AJX
37	SH20-1844-0	**SN20-3422	**SN20-3637	DOS/V S PRE-SORT PROCESSOR, IUP 5796-AJT,
22	SH20-1846-0			DESCRIPTION/OPERATIONS
50	GH20-1863-1			OS/DOS CICS/V S COBOL CALL INTERFACE, IUP 5796-AHK,
				DESCRIPTION/OPERATIONS
				V S BASIC INTERACTIVE SYSTEM IUP 5796-PFT,
				DESCRIPTION/OPERATIONS
				DL/I HDAM DATA BASE TRAINING AID, IUP 5796-AKF,
				DESCRIPTION/OPERATIONS
				3740 DATA ENTRY MANAGEMENT AND AUDIT SYSTEM FOR DOS POWER/V S
				FIRST GREATWEST CORPORATION, IUP 5796-AKC,
				DESCRIPTION/OPERATIONS
				IMS SPACE MANAGEMENT UTILITIES, IUP 5796-PFW,
				DESCRIPTION/OPERATIONS
				TSO CODES UPDATE SYSTEM IUP 5796-PFR, DESCRIPTION/OPERATIONS
				PL/I F TO PL/I OPTIMIZER CONVERSION AID F CONVERT, IUP
				5796-ARG, DESCRIPTION/OPERATIONS
				WASHINGTON MANUFACTURING VIDEO SUPPORT AIDS,
				IUP 5796-AKK, DESCRIPTION/OPERATIONS
				MVS SYSTEM INFORMATION ROUTINES, IUP
				5796-PGB, DESCRIPTION/OPERATIONS
				MVS SEEK ANALYSIS PROGRAM,
				IUP 5796-PJC DESCRIPTION/OPERATIONS
				GTF I/O CURRENCY REPORT, IUP 5796-PGD, DESCRIPTION/
				OPERATIONS
				GTF SUPERVISOR SERVICES ANALYZER, IUP
				5796-PGE, DESCRIPTION/OPERATIONS
				GTF VTAM BUFFER ANALYSIS PROGRAM, IUP
				5796-PGF DESCRIPTION/OPERATIONS
				CICS/V S MESSAGE SWITCHING SYSTEM: AMERICAN HOECHST,
				DESCRIPTION/OPERATIONS, IUPS 5796-AKP, -AKN
				DOS/V S PERFORMANCE TOOL, IUP 5796-PGK DESCRIPTION/OPERATIONS
				DISKETTE SORT PROGRAM, IUP 5796-PGJ, DESCRIPTION/OPERATIONS
				BATCH TERMINAL SIMULATOR II, IUP 5796-PGT,
				DESCRIPTION/OPERATIONS
				APL FUNCTION EDITOR FOR APLSV IUP 5796-PGX , APL FUNCTION
				EDITOR FOR VSAPL IUP 5796-PGY , DESCRIPTION/OPERATION
				DISPLAY MANAGEMENT SYSTEM/V S VERSION 1 DMS/V S GENERAL
				INFORMATION: LIC PROG 5740-XC2 OS/V S , 5746-XC2 DOS/V S

50	SH20-1864-0		DMS/V5 VERSION 1, OPERATIONS GUIDE, LIC PROG 5740-XC2 OS/V5, 5746-XC2 DOS/V5
50	SH20-1865-1		DMS/V5 VERSION 1 OPERATIONS GUIDE, LIC PROG 5740-XC2 OS/V5, 5746-XC2 DOS/V5
39	SH20-1872-0		VS APL FOR TSO, IUP 5796-ALB, TERMINAL USER S GUIDE
39	SH20-1873-0		VS APL FOR TSO, IUP 5796-ALB, DESCRIPTION/OPERATIONS
34	SH20-1882-0		SMF JOB DATA COMPRESSION AID JDCA - IUP 5796-P4N, DESCRIPTION/OPERATION
34	SH20-1883-0		STORAGE DEVICE MIGRATION AID SDMA - IUP 5796-P4P DESCRIPTION/OPERATION
34	SH20-1906-0		VM/370 RESOURCE MANAGEMENT, PRPQ P09006, PROG 5799-ARQ, INSTALLATION GUIDE
50	SH20-1921-0		GIS LIBRARY MAINTENANCE, IUP 5796-ANG, DESCRIPTION/OPERATION
25	SH20-1923-0		FORTRAN INTERACTIVE SUBROUTINE LIBRARY - IUP 5796-PHT, DESCRIPTION/OPERATIONS
30	SH20-1927-0		DISK WORKFILE MANAGER FOR DOS/V5 - IUP 5796-ANK, DESCRIPTION/OPERATIONS
50	SH20-1952-0		IMS SPACE MANAGEMENT UTILITIES II, LIC IUP 5796-PJJ, DESCRIPTION/OPERATION
50	SH20-1953-0		DBPROTOTYPE I1, IUP 5796-PJK, DESCRIPTION/OPERATIONS
30	GH20-4106-5		INFORMATION MANAGEMENT SYSTEM/360 IMS/360 VERSION 2 SPECIFICATIONS - PROGRAM PRODUCT 5734-XX6
50	GH20-4124-3		GENERALIZED INFORMATION SYSTEM, VERSION 2 GIS/2 SPECIFICATIONS SHEET PROGRAM NUMBER 5734-XX1
79	GH20-4139-1		STAT/BASIC, PROG. PROD. 5734-XA3 SPECIFICATIONS
82	GH20-4308-1		MATH/BASIC FOR SYSTEM/3 MODEL 6, ITF OS, DOS, TSO, AND VM/370-CMS: SPECIFICATIONS, PROG. NOS. 5703-XM2 AND 5734-XM8
30	GH20-4324-3		IBM TELECOMMUNICATIONS CONTROL SYSTEM TCS SPECIFICATIONS PROGRAM PRODUCT 5734-F31
82	GH20-4326-1		BUSINESS ANALYSIS/BASIC FOR SYSTEM/3 MODEL 6, ITF OS, DOS, TSO, AND VM/370-CMS: SPECIFICATIONS, PROG. NOS. 5703-XM3 AND 5734-XMB
22	GH20-4347-0		APL SHARED VARIABLES APLSV - PROGRAM NO. 5799-AJF PRPQ NUMBER WEL191 - SPECIFICATIONS SHEET
22	GH20-4370-0		APL/CMS SPECIFICATIONS - PROG. NO. 5799-ALK, PRPQ MF2608
38	GH20-4374-0		DOS/V5 REMOTE JOB ENTRY WORKSTATION PROGRAM PROGRAMMING RPQ WF0358 - PROGRAM NUMBER 5799-WHX, SPECIFICATIONS
30	GH20-4376-0		3333/3330 DISK STORAGE SERIES MODEL 11 SUPPORT FOR DOS/V5 PROGRAM NUMBER 5799-WHZ PRPQ EF4346
50	GH20-4380-2		SYSTEM/370 DATA LANGUAGE/1 ENTRY DOS/V5 PROG PROD 5746-XX7, SPECIFICATIONS
30	GH20-4383-0		DATA BASE DESIGN AID DBDA SPECIFICATIONS PROGRAM NUMBER 5748-XX4
50	GH20-4391-1		TCAM - IMS INTERFACE SPECIFICATIONS - PROG. NO. 5740-XXC
30	GH20-4395-2		TELECOMMUNICATIONS CONTROL SYSTEM ADVANCED FUNCTION TCS-AF - PROG PROD 5740-XXD, SPECIFICATIONS
50	GH20-4457-0		DL/I DOS/V5, V1, REL 3, LIC PROG 5746-XX1, DESIGN OBJECTIVES
39	GH20-4469-0		SYSTEM/370 VS TS10 PROGRAM PROD 5740-XR9, DESIGN OBJECTIVES
22	GH20-4470-0		VS APL RELEASE 2, PROG PROD 5748-AP1 DESIGN OBJECTIVES
28	GH20-4480-0		IBM DOS/V5 RPG I1, LIC PROG 5746-RG1, DESIGN OBJECTIVES
37	GH20-4509-1		DB/DC DRIVER SYSTEM PROG PROD 5740-XXT SPECIFICATIONS
50	GH20-4510-1#		DB/DC DATA DICTIONARY, PROG PROD 5740-XXF OS/V5, 5746-XXC DOS/V5, SPECIFICATIONS
50	GH20-4510-0#		DISPLAY MANAGEMENT SYSTEM/V5 VERSION 1 SPECIFICATIONS, DMS/DOS/V5 PROG PROD 5746-XC2, DMS/OS/V5 PROG PROD 5740-XC2
50	GH20-4516-0		TSO 3270 DISPLAY SUPPORT AND STRUCTURED PROGRAMMING FACILITY SPF VERSION 2 SPECIFICATIONS, LIC PROG 5740-XT8
39	GH20-4521-0		VM/370 NETWORKING PRPQ P09007 PROG 5799-ATA, SPECIFICATIONS
30	GH20-4525-0		ASP NETWORKING PRPQ P09008 PROG 5799-ATB, SPECIFICATIONS
30	GH20-4526-0		HASP NETWORKING PRPQ P09009 PROG 5799-ATC, SPECIFICATIONS
50	GH20-4528-0		EXTENDED TELECOMMUNICATIONS MODULES EXTM V3 REL 1, MOD LEVEL 0, LIC PROG 5746-XXB, SPECIFICATIONS
50	GH20-4609-0		VANCOUVER DATA LANGUAGE-ONE VANDL-1 PROG 5799-AEY, FUNCTIONAL DESCRIPTION
50	GH20-4623-0		FASTER LANGUAGE FACILITY FOR CICS/DOS/V5 PROGRAM NUMBER 5746-XX3 AND FOR CICS/DOS/V5 PROGRAM NUMBER 5740-XX1, FUNCTIONAL DESCRIPTION
50	SH20-9025-5#		IMS/V5 VERSION 1 SYSTEM/APPLICATION DESIGN GUIDE PROG PROD 5740-XX2
50	SH20-9026-5#		IMS/V5 VERSION 1 APPLICATION PROGRAMMING REFERENCE MANUAL PROG PROD 5740-XX2
50	SH20-9027-6#	**SN20-9230	INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE IMS/V5 SYSTEM PROGRAMMING REFERENCE - PROG, NO. 5740-XX2
50	SH20-9028-4		IMS/V5 V1 OPERATOR S REFERENCE MANUAL, PROG PROD 5740-XX2
50	SH20-9029-4#		IMS/V5 VERSION 1 UTILITIES REFERENCE MANUAL PROG PROD 5740-XX2
50	SH20-9030-6	**SN20-9251	IMS/V5 VERSION 1 MESSAGES AND CODES REFERENCE MANUAL PROG PROD 5740-XX2
50	GH20-9033-0		GENERALIZED INFORMATION SYSTEM, VERSION 2 GIS/2 EXECUTIVE QUERY REFERENCE BASIC INTRODUCTION, PROG. NO. 5734-XX1
50	GH20-9035-2#		GENERALIZED INFORMATION SYSTEM VIRTUAL STORAGE GIS/V5 GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5740-XX7
50	SH20-9036-1#		GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE GIS/V5 USER S GUIDE, PROG. PROD. 5740-XX7
50	SH20-9036-0#		GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE GIS/V5 SYSTEM PROGRAMMER S REFERENCE MANUAL 5740-XX7
50	SH20-9037-2#	**SN20-9242	GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE GIS/V5 LANGUAGE REFERENCE MANUAL - 5740-XX7
50	SH20-9037-1#	SN20-9242	GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE GIS/V5 LANGUAGE REFERENCE MANUAL - 5740-XX7
50	SH20-9038-2#		GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE GIS/V5 LANGUAGE REFERENCE MANUAL - 5740-XX7
50	SH20-9038-1#		GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE GIS/V5 MESSAGES AND CODES, PROG. PROD. 5740-XX7
50	SH20-9039-2#	**SN20-9240	GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE GIS/V5 MESSAGES AND CODES, PROG. PROD. 5740-XX7
50	SH20-9039-1#		GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE GIS/V5 PLANNING AND OPERATION GUIDE FOR THE ADVANCED QUERY FEATURE PROG. PROD. 5740-XX7
50	SH20-9040-2#	**SN20-9243	GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE GIS/V5 PLANNING AND OPERATION GUIDE FOR THE ADVANCED QUERY FEATURE PROG. PROD. 5740-XX7
50	SH20-9040-1#		GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE GIS/V5 PLANNING AND OPERATION GUIDE FOR THE ADVANCED QUERY FEATURE PROG. PROD. 5740-XX7

50	GH20-9043-1#			GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE GIS/VS
	GH20-9043-0#			EXECUTIVE QUERY REFERENCE MANUAL, PROG. NO. 5740-XX7
50	SH20-9046-1#			IBM SYSTEM/370 LOW-LEVEL CODE/CONTINUITY CHECK IN DATA
				LANGUAGE/I DOS/VS PROGRAM REFERENCE AND OPERATIONS MANUAL
				PROGRAM NUMBER 5746-XX1
50	SH20-9047-0	**SN20-9143		INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE IMS/VS ,
				LOW-LEVEL CODE/CONTINUITY CHECK IN DATA LANGUAGE/I,
50	SH20-9053-3#			REFERENCE AND OPERATIONS - PROG. PROD. 5740-XX2
50	SH20-9054-3			IMS/VS VERSION 1 MESSAGE FORMAT SERVICE USER S GUIDE
				PROG PROD 5740-XX2
50	SH20-9054-3			IMS/VS VERSION 1 ADVANCED FUNCTION FOR COMMUNICATIONS
				PROG PROD 5740-XX2
29	GH20-9056-0			IBM SYSTEM/360 DISK OPERATING SYSTEM INTERACTIVE TERMINAL
				FACILITY: PL/I AND BASIC: FUNCTIONAL DESCRIPTION,
				PROG. PRODS. 5736-RC1 AND 5736-RC2
32	GH20-9057-0			OS/MVT AND OS/VS2 TIME SHARING OPTION TSO DATA UTILITIES:
				COPY, FORMAT, LIST, MERGE: FUNCTIONAL DESCRIPTION
				PROG. PROD. 5734-UT1
22	GH20-9058-0			APL/360-OS: PROGRAM PRODUCT 5734-XM6 FUNCTIONAL
				DESCRIPTION
22	GH20-9059-0			APL/360-DOS: PROGRAM PRODUCT, 5736-XM6 FUNCTIONAL
				DESCRIPTION
23	SH20-9060-1			VS BASIC FOR VSPC: TERMINAL USER S GUIDE
				PROG PROD 5748-XX1
25	GH20-9061-3			VSPC FORTRAN GENERAL INFORMATION PROGRAM NUMBER 5748-FO2
25	SH20-9062-1			VSPC FORTRAN TERMINAL USER S GUIDE PROG PROD 5748-FO2
25	SH20-9063-2			VSPC FORTRAN INSTALLATION REFERENCE MATERIAL
				PROG PROD 5748-FO2
22	GH20-9064-2	**GN20-9184		VS APL GENERAL INFORMATION PROGRAM NUMBER 5748-AP1
22	SH20-9065-3			VS APL INSTALLATION REFERENCE MATERIAL PROG PROD 5748-AP1
22	SH20-9066-1	**SN20-9203		VS APL FOR VSPC: TERMINAL USER S GUIDE PROG PROD 5748-AP1
22	SH20-9067-1	**SN20-9207		VS APL FOR CMS: TERMINAL USER S GUIDE PROG PROD 5748-AP1
22	SH20-9068-1			VS APL FOR CMS: WRITING AUXILIARY PROCESSORS
				PROG PROD 5748-AP1
50	GH20-9069-1			IMS/VS VERSION 1 FAST PATH FEATURE, PROG PROD
				5740-XX2, GENERAL INFORMATION
39	GH20-9070-2#			VS PERSONAL COMPUTING VSPC FOR OS/VS AND DOS/VS: GENERAL
				INFORMATION, PROG PROD 5740-XR5, -XR6, -XRA, 5746-XR3
39	SH20-9071-1#	**SN20-9264		VS PERSONAL COMPUTING VSPC
				GENERAL USER S GUIDE AND COMMAND LANGUAGE
				PROG PRODS 5740-XR5, -XR6, -XRA, 5746-XR3
39	SH20-9072-1#	**SN20-9205		VS PERSONAL COMPUTING VSPC INSTALLATION REFERENCE MATERIAL
				PROG PRODS 5740-XR5, 5740-XR6, 5746-XR3
39	SH20-9073-0			VS PERSONAL COMPUTING VSPC TERMINALS
				PROG PROD 5740-XR5, -XR6, -XRA, 5746-XR3
39	SH20-9074-1#	**SN20-9177	**SN20-9248	VSPC WRITING PROCESSORS
				PROG PRODS 5740-XR5, 5740-XR6, 5746-XR3
39	GH20-9077-0			OS/VS2 MVS VS PERSONAL COMPUTING VSPC PROG PROD
				5740-XR6, DESIGN OBJECTIVES
39	GH20-9078-0			DOS/VS VS PERSONAL COMPUTING VSPC PROG PROD
				5746-XR3, DESIGN OBJECTIVES
25	GH20-9080-0			VSPC FORTRAN, PROG PROD 5748-FO2, DESIGN OBJECTIVES
50	SH20-9081-3			IMS/VS, VERSION 1 INSTALLATION GUIDE - PROG PROD 5740-XX2
50	SH20-9083-1#	**SN20-9263		DB/DC DATA DICTIONARY USER S GUIDE, PROGS 5740-XXE, 5746-XXC
	SH20-9083-0#			
50	SH20-9084-2#			DB/DC DATA DICTIONARY INSTALLATION REFERENCE MATERIAL
50	SH20-9084-1#			PROGS 5740-XXF, 5746-XXC
50	SH20-9085-2#			IMS/VS MASTER INDEX AND GLOSSARY, PROG PROD 5740-XX2
	SH20-9085-1#			
22	GH20-9086-3#			VS APL PROGRAM PRODUCT SPECIFICATIONS
				PROGRAM NUMBER 5748-AP1
22	SH20-9087-0			APL SHARED VARIABLES APLSV VERSION 3
				USER S GUIDE, PROGRAMMING RPQ MG6282 PROG 5799-AQC
22	SH20-9088-0			APL SHARED VARIABLES APLSV V3 OPERATIONS GUIDE
				PROGRAMMING RPQ MG6282, PROG 5799-AQC
39	GH20-9089-1			OS/VS1 VIRTUAL STORAGE PERSONAL COMPUTING VSPC
				SPECIFICATIONS, PROG PROD 5740-XR5
25	GH20-9101-3			VSPC FORTRAN SPECIFICATIONS, PROG PROD 5748-FO2
22	GH20-9102-0			APL SHARED VARIABLES APLSV VERSION 3.0 SPECIFICATIONS,
				PROGRAMMING RPQ MG6282, PROG 5799-AQC
50	GH20-9104-1#			DB/DC DATA DICTIONARY GENERAL INFORMATION PROG PROD 5740-XXF
				OS/VS, 5746-XXC DOS/VS
32	SH20-9105-0			OS/MVT 3350 and 3330 MODEL II PROGRAMMER S GUIDE, PROG
				5799-ARG, RPQ EG4653
32	SH20-9106-0			OS/MVT ANALYSIS PROGRAM-1 AP-1 USER S GUIDE: PROG
				5799-ARG PRPQ EG4653 FOR 3350 & 3330 MODEL 11 ON SYSTEM/370
39	SH20-9107-0	**SN20-9265		VS TSIO GUIDE AND REFERENCE, PROG PROD 5740-XR9
39	GH20-9108-1			OS/VS2 MVS VIRTUAL STORAGE PERSONAL COMPUTING VSPC
				SPECIFICATIONS PROG PROD 5740-XR6
39	GH20-9109-0			DOS/VS VIRTUAL STORAGE PERSONAL COMPUTING VSPC
				PROD 5746-XR3 SPECIFICATIONS
32	SH20-9111-0			OS/MVT AND OS/VS DASDR USER S GUIDE - PROG PROD 5740-UT1
50	GH20-9112-0			IMS/VS VERSION 1 PLANNING GUIDE FOR SNA OFFLINE PROGRAMMABLE
				TERMINALS 3770P AND 3790, PROG PROD 5740-XX2
32	GH20-9113-0			DASDR DIRECT ACCESS STORAGE DUMP RESTORE
				LIC PROG 5740-UT1, DESIGN OBJECTIVES
39	GH20-9114-0			VSTSI0 SPECIFICATIONS, PROG PROD 5740-XR9
32	GH20-9115-0			3350-3330 MODEL 11 MVT PRPQ EG 4653 PROG 5799-ARG
				SPECIFICATIONS
32	GH20-9116-1#			DASDR, PROG PROD 5740-UT1, SPECIFICATIONS
50	GH20-9117-2#			IMS/VS VERSION 1.1.3 SPECIFICATIONS, PROG PROD 5740-XX2
36	GH20-9500-0			IBM SYSTEM/370 DISTRIBUTED SYSTEM PROGRAM REFERENCE MANUAL
				PROGRAM NUMBER 360A-TX-032

36	GH20-9501-0			SYSTEM/370 DISTRIBUTED SYSTEM PROGRAM OPERATIONS GUIDE
30	**GH35-0007-0			PROG. NO. 360A-TX-032
99	SJB1-0461-0			OS/V52 MVS HIERARCHICAL STORAGE MANAGER, PROG PROD 5740-XRB,
99	SJB2-9000-0			GENERAL INFORMATION
99	SJB2-9001-0			SVS VTAM ICR - OS/V5 SCP 5742-017
99	**SJB2-9002-0			OS/V52 REL 3.0 SMP 5752-VS2 PROGRAM LISTINGS
34	LJB2-9500-0	**LNC8-0002	**LNB9-0011	VS2 REL 1.7 SMP 5742-017 PROGRAM LISTINGS
39	LJB2-9501-1			OS/V51 REL 5 SMP 5741-VS1 PROGRAM LISTINGS
30	**LJB2-9503-0	**LNC8-0001	**LNC8-0003	OS/V52 - RMF - PROG PROD 5740-XXM, LISTINGS
34	**LJB2-9504-1	**LNB9-0010	**LNB9-0018	OS/V52 DASD TSO COMMAND PACKAGE, PROG 5740-XT6
30	**LJB2-9505-1			OS/V52 MVS RACF
34	**LJB2-9507-1			OS/V52 852 RMF VERS 2 REL 1 LISTINGS - PROG PROD 5740-XY4
32	LJB6-0001-0	**LNB9-0007	**LNB9-0013	OS/V52 849 RACF VERS 1 REL 2 LISTINGS - PROG PROD 5740-XXH
32	LJB6-0002-1	**LNB9-0019		OS/V52 SU 861 - RMF REL 2 VERS 2 POST PROCESSOR UPDATE
99	**SJB6-6001-0			PROG PROD 5740-XY4
99	SJB6-6002-0			IBM 3350/3330-11 PRPQ US99931 FOR USE WITH
99	SJB6-6003-0			OS/MVT 21.8 PROG 5799-ARG
99	**SJB6-6004-0			DASDR LISTINGS, PROG PROD 5740-UT1
99	SJB6-6006-0			OS/V51 ANALYSIS PROGRAM 1 AP-1, SCP 5741-VS1
99	GJD1-0001-0			OS/V52 ANALYSIS PROGRAM 1 AP-1 PROGRAM LISTING - SCP
99	GJD1-1100-0	**GSC0-3050	**GSC0-3051	COMPONENT 5752-SC1-31
99	GJD1-1480-3#	**GNB9-0910		DOS/V5 ANALYSIS PROGRAM 1 AP-1 LISTINGS - SCP COMPONENT
99	GJD1-1640-2			5745-SC-APC
99	GJD1-1641-2			OS/V51 ANALYSIS PROGRAM 1 AP-1 LISTINGS - SCP COMPONENT
99	GJD1-1642-1			5741-SC1-31
99	GJD1-1643-1			IBM 3800 PRINTING SUBSYSTEM ICR UY99914 5742-017
99	GJD1-2063-1#	**GSC0-4261		INDEX
99	GJD1-2100-3			OS/V52 SVS ICR FOR THE 3850 MSS AND ENHANCED VSAM
99	GJD1-2150-2			INDEX
99	GJD1-4601-1			SYSTEM/370 MODELS 158/168 SYSGEN ICR OS RELEASE 21.6
35	GJD1-4602-2#			PROG. NO. 360S-OS-609
35	GJD1-4603-2#			OS REL. 21.0- 21.7, VS1 REL. 1.0- 3.0, VS2 REL. 1.0- 1.6
99	SJD2-0001-0	**SNB9-0750		SYSTEM MODIFICATION PROGRAM LISTINGS, PROG. NO. 360S-DN-611
99	SJD2-0010-0	**SNB9-0620		AND COMPONENT NOS. 5741-SC1-30, 5742-SC1-30
99	SJD2-0020-1#	**SNB9-0630		IBM OPERATING SYSTEM/360 DOS EMULATOR PROGRAM FOR
99	SJD2-0030-0	**SNB9-0630		SYSTEM/370 MODELS 145 AND 155 - PROGRAM NUMBER 360C-EU-738
99	SJD2-0040-1#	**SNB9-0300		EMULATOR OS 165/7094, PROG 360C-EU-740 VERSION 3
99	SJD2-0050-0	**SNB9-0740		LEVEL 0, COMPONENT OF SBOF-6443
99	SJD2-0060-1#	**SNB9-0700		EMULATOR OS 165/7070-74 PROG 360C-EU-739 VERSION 2
99	SJD2-0070-1	**SNB9-0450		LEVEL 0, COMPONENT OF SBOF-6445
99	SJD2-0080-1	**SNB9-0450		7080 EMULATOR FOR SYSTEM/370 MODEL 165 UNDER OPERATING
99	SJD2-0090-1#			SYSTEM/360, LISTINGS - PROG 360C-EU-737, COMPONENT
99	SJD2-0100-0			OF SBOF-6442
99	SJD2-0110-1			EMULATOR FOR 7074 ON S/370 MODEL 155 UNDER OS
99	SJD2-0120-1	**SNB9-0540		COMPONENT OF SBOF-6444, LISTINGS - PROG 360C-EU-741
99	SJD2-0130-1	**SNB9-0530		DISK OPERATING SYSTEM MODEL 155 EMULATOR
99	SJD2-0140-0	**SNB9-0330		MICROFICHE LISTINGS - PROGRAM NUMBER 360N-EU-490
99	SJD2-0160-1	**SNB9-0610		EMULATOR FOR 1401/1440/1460 ON THE SYSTEM/370 MODEL 155
99	SJD2-0170-1	**SNB9-0710		UNDER OS MICROFICHE LISTING - PROG. NO. 360C-EU-735
99	SJD2-0180-1#	**SNB9-0730		EMULATOR FOR THE IBM 1410/7010 ON THE SYSTEM/370 MODEL 155
99	SJD2-0190-1	**SNB9-0600		UNDER OS - PROG. 360C-EU-736, LISTINGS
99	SJD2-0200-1	**SNB9-0670		MODEL 20 EMULATOR ON S/370 USING DOS V4 - PROGRAM NUMBER
99	SJD2-0210-1	**SNB9-0670		370N-IC-002
99	SJD2-0220-1			S/370 USING DOS/V5 IBM EMULATOR FOR HW S200, LISTINGS
99	SJD2-0230-1	**SNB9-0660		PROG. NO. 5799-ADT
99	SJD2-0240-1#	**SNB9-0520		S/370 USING DOS/V5 IBM EMULATOR FOR RCA 301, LISTINGS
99	SJD2-0250-0			PROG. NO. 5799-ADR
99	SJD2-0260-1#	**SNB9-0370		MICROFICHE FOR OS/V52 RELEASE 1.6 REFERENCE LISTINGS
99	SJD2-0270-1	**SNB9-0320		OS/V52 SMF 5742-SC1-02
99	SJD2-0280-1	**SNB9-0800		OS/V52 IEHINITR 5742-SC1-UD
99	SJD2-0290-1	**SNB9-0510		OS/V52 IEHSTATR 5742-SC1-UE
99	SJD2-0300-1	**SNB9-0360		OS/V52 TAPE ERP/VES 5742-SC1-CC
99	SJD2-0310-1	**SNB9-0820		OS/V52 IEBEDIT 5742-SC1-U9
99	SJD2-0320-1#	**SNB9-0580		OS/V52 IEHLIST 5742-SC1-U2
99	SJD2-0330-1	**SNB9-0210		OS/V52 IEHPRGOM 5742-SC1-U3
99	SJD2-0350-1#	**SNB9-0220		OS/V52 CATALOG 5742-SC1-D3
99	SJD2-0360-1	**SNB9-0230		OS/V52 OS/V52 TSO TRACE 5742-SC1-T9
				OS/V52 PASSWORD PROTECT 5742-SC1-DC
				OS/V52 TSO UTILITIES 5742-SC1-T2
				OS/V52 TSO TEST 5742-SC1-T1
				OS/V52 EXT/PREC/FLT PT SIM 5742-SC1-CP
				OS/V52 IEHMOVE 5742-SC1-UC
				OS/V52 IEBCOPY 5742-SC1-U6
				OS/V52 IEBGENER 5742-SC1-U7
				OS/V52 IEBUPDTE 5742-SC1-U8
				OS/V52 IEBPTPCH 5742-SC1-UA
				OS/V52 IEBCOMPR 5742-SC1-UK
				OS/V52 IEBISAM 5742-SC1-UH
				OS/V52 IEBDG 5742-SC1-UJ
				OS/V52 TSO EDIT 5742-SC1-T0
				OS/V52 IPL 5742-SC1-C1
				OS/V52 SUPERVISOR 5742-SC1-C5
				OS/V52 RMS 5742-SC1-CE
				OS/V52 GSP 5742-SC1-07
				OS/V52 GAM 5742-SC1-G0
				OS/V52 DIDOCS 5742-SC1-C4
				OS/V52 DSS 5742-SC1-10
				OS/V52 TSO SUPERVISOR 5742-SC1-T7
				OS/V52 SYSTEM RESTART 5742-SC1-B3
				OS/V52 ALLOCATION 5742-SC1-B4
				OS/V52 Q MANAGER 5742-SC1-B5

99	SJD2-0370-1	**SNB9-0240	OS/VS2 INITIATOR 5742-SC1-B6
99	SJD2-0380-1	**SNB9-0250	OS/VS2 TERMINATION 5742-SC1-B7
99	SJD2-0390-1#	**SNB9-0260	OS/VS2 COMMANDS 5742-SC1-B8
99	SJD2-0400-1	**SNB9-0270	OS/VS2 READER/INTERPRETER 5742-SC1-B9
99	SJD2-0410-1#	**SNB9-0560	OS/VS2 TSO SCHEDULER 5742-SC1-T4
99	SJD2-0420-1#	**SNB9-0310	OS/VS2 OBR/SDR/EREP 5742-SC1-CD
99	SJD2-0430-1	**SNB9-0830	OS/VS2 GTF 5742-SC1-11
99	SJD2-0440-1		OS/VS2 AMASPZAP 5742-SC1-12
99	SJD2-0450-1	**SNB9-0850	OS/VS2 AMDPRDMP 5742-SC1-13
99	SJD2-0460-1	**SNB9-0870	OS/VS2 AMSADMP 5742-SC1-15
99	SJD2-0470-1	**SNB9-0880	OS/VS2 AMAFTFILE 5742-SC1-16
99	SJD2-0480-1		OS/VS2 AMDPRDMP/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	SJD2-0540-1		OS/VS2 MAPPING MACROS 5742-SC1-01
99	SJD2-0550-1	**SNB9-0790	OS/VS2 OLTEP 5742-SC1-06
99	SJD2-0560-1#	**SNB9-0890	OS/VS2 BTAM 5742-SC1-20
99	SJD2-0570-1#	**SNB9-0900	OS/VS2 TCAM 5742-SC1-21
99	SJD2-0580-0	**SNB9-0650	OS/VS2 IEBTCRIN 5742-SC1-UG
99	SJD2-0590-0	**SNB9-0390	OS/VS2 3505/3525 5742-SC1-DD
99	SJD2-0600-1	**SNB9-0470	OS/VS2 OCR 5742-SC1-D5
99	SJD2-0640-1#	**SNB9-0340	OS/VS2 OVERLAY SUPERVISOR 5742-SC1-C2
99	SJD2-0650-1	**SNB9-0380	OS/VS2 FETCH 5742-SC1-C7
99	SJD2-0660-1#	**SNB9-0420	OS/VS2 SAM 5742-SC1-D0
99	SJD2-0670-1	**SNB9-0440	OS/VS2 PAM 5742-SC1-D2
99	SJD2-0680-1	**SNB9-0480	OS/VS2 MICR 5742-SC1-D6
99	SJD2-0690-1#	**SNB9-0490	OS/VS2 DAM 5742-SC1-D7
99	SJD2-0700-1	**SNB9-0350	OS/VS2 IOS 5742-SC1-C3
99	SJD2-0710-1	**SNB9-0280	OS/VS2 DASD ERP 5742-SC1-CA
99	SJD2-0720-1#	**SNB9-0290	OS/VS2 UNIT RECORD ERP 5742-SC1-CB
99	SJD2-0730-1	**SNB9-0590	OS/VS2 TSO SUBRTN TCAM 5742-SC1-T8
99	SJD2-0740-1	**SNB9-0550	OS/VS2 TSO DATA MANAGEMENT 5742-SC1-T3
99	SJD2-0750-1		OS/VS2 IBCDMPRS 5742-SC1-I0
99	SJD2-0760-1		OS/VS2 IBCDASDI 5742-SC1-I1
99	SJD2-0770-1	**SNB9-0680	OS/VS2 IEHDASDR 5742-SC1-U0
99	SJD2-0780-1#	**SNB9-0640	OS/VS2 IEHATLAS 5742-SC1-UF
99	SJD2-0790-1	**SNB9-0200	OS/VS2 SYSOUT WRITER 5742-SC1-B2
99	SJD2-0800-1		OS/VS2 ICAPRTBL 5742-SC1-I2
99	SJD2-0810-1	**SNB9-0500	OS/VS2 ISAM 5742-SC1-D8
99	SJD2-0820-1	**SNB9-0810	OS/VS2 CHECKPOINT/RESTART 5742-SC1-09
99	SJD2-0830-1	**SNB9-0430	OS/VS2 OPEN/CLOSE/EOV 5742-SC1-D1
99	SJD2-0840-1#	**SNB9-0460	OS/VS2 DADSM 5742-SC1-D4
99	SJD2-0850-1#	**SNB9-0570	OS/VS2 LINK LOADGO PROMPTER 5742-SC1-T5
99	SJD2-0860-1#	**SNB9-0770	OS/VS2 LINKAGE EDITOR 5742-SC1-04
99	SJD2-0870-1#	**SNB9-0780	OS/VS2 LOADER 5742-SC1-05
99	SJD2-0880-1	**SNB9-0860	OS/VS2 AMBLIST 5742-SC1-14
99	SJD2-0890-1	**SNB9-0760	OS/VS2 ASSEMBLER XF 5742-SC1-03
99	SJD2-1190-0		3330/3333 MODEL #11 SUPPORT LISTINGS COMPONENT NO. 5742-SC1-S1
99	SJD2-1220-1#	**SNB9-0400	OS/VS2 VSAM LISTINGS - COMPONENT NO. 5742-SC1-DE
99	SJD2-1300-0		OS/VS2 RELEASE 1.6 POWER WARNING FEATURE ICR 5742-SC1-0E
99	SJD2-2000-6#		IPL 5741-SC1-C1 VS1 LISTING
99	SJD2-2001-7#		IOS 5741-SC1-C3 VS1 LISTING
99	SJD2-2002-7#		SUPERVISOR OS/VS1 MICROFICHE LISTING - COMPONENT 5741-SC1-C5
99	SJD2-2003-4#		MAPPING MACROS OS/VS1 COMPONENT NO. 5741-SC1-01
99	**SJD2-2009-7#		SCHEDULER-SMF 5741-SC1-00 VS1 LISTING
99	SJD2-2010-6#		UNIT RCD ERP OS/VS1 MICROFICHE LISTING - COMPONENT 5741-SC1-CB
99	SJD2-2014-7#		JECS 5741-SC1-B0 VS1 LISTING
99	SJD2-2015-7#		I/P STREAM CTL OS/VS1 MICROFICHE LISTING - COMPONENT 5741-SC1-B1
99	SJD2-2016-7#		O/P STREAM CTL OS/VS1 MICROFICHE LISTING - PROGRAM 5741-SC1-B2
99	SJD2-2017-7#		SYSTEM RESTART OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-B3
99	SJD2-2018-7#		ALLOCATION OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-B4
99	SJD2-2019-7#		SWADS MANAGER 5741-SC1-B5 VS1 LISTING
99	SJD2-2020-7#		INITIATOR OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-B6
99	SJD2-2021-7#		TERMINATION OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-B7
99	SJD2-2022-7#		COMMANDS OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-B8
99	SJD2-2023-7#		INTERPRETER OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-B9
99	SJD2-2024-6#		OS/VS1 RESTART RDR/DSDR PROCESSING 5741-SC1-BD
99	SJD2-2025-6#		SYSTEM LOG OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-BE
99	SJD2-2026-6#		WTP OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-BF
99	SJD2-2027-5#		MSI 5741-SC1-BG VS1 LISTING
99	SJD2-2028-3		IMCJOBQD 5741-SC1-17 VS1 LISTING
99	SJD2-2030-5#		DIDOCs OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-C4
99	SJD2-2031-5#		GAM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-G0
99	SJD2-2032-5#		GSP OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-07
99	SJD2-2033-5#		RMS OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-CE
99	SJD2-2034-6#		OS/VS1 SYSTEM ASSEMBLER COMPONENT NO. 5741-SC1-03
99	SJD2-2038-5#		OBR/EREP/RDE OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-CD
99	SJD2-2041-5#		GTF OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-11
99	SJD2-2042-7#		HMASPZAP OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-12

99	SJD2-2043-5#		HMDPRDMP OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-13
99	SJD2-2044-4#		HMDSDAMP 5741-SC1-15 VS1 LISTING
99	SJD2-2045-4#		HMAPTFLE 5741-SC1-16 VS1 LISTING
99	SJD2-2046-5#		OLTEP OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-06
99	SJD2-2048-5		IEHLIST MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-U2
99	SJD2-2049-5#		OS/VS1 BTAM LISTINGS, SCP COMPONENT 5741-SC1-20
99	SJD2-2050-0	**SSCO-7550	OS/VS1 TCAM LEVEL 2 5744-AW1
99	SJD2-2051-5#	**SSCO-7552	OCR OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-D5
99	SJD2-2053-4#		IEBTRIN OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-UG
99	SJD2-2054-6#		CHECKPOINT RESTART OS/VS1 MICROFICHE LISTING - COMPONENT 5741-SC1-09
99	SJD2-2055-7#		FETCH OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-C7
99	SJD2-2056-5#		OVERLAY SUPERVISOR MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-C2
99	SJD2-2057-5		SAM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-D0
99	SJD2-2058-5#		OPEN/CLOSE/EOV OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-D1
99	SJD2-2059-7#		PAM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-D2
99	SJD2-2060-5#		DADSM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-D4
99	SJD2-2061-5#		MICR OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-D6
99	SJD2-2062-5#		DAM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-D7
99	SJD2-2063-5#		ISAM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-D8
99	SJD2-2064-5#		JAM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-D9
99	SJD2-2067-5#		DASD ERP OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-CA
99	SJD2-2068-7#		OS/VS1 LINKAGE EDITOR MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-04
99	SJD2-2069-5#		LOADER OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-05
99	SJD2-2074-5#		JESCOMPATINT 5741-SC1-DB VS1 LISTING
99	SJD2-2076-4#		HMBLIST OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-14
99	SJD2-2077-6#		IBCDMPRS 5741-SC1-10 VS1 LISTING
99	SJD2-2078-6#		IBCDASDI MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-I1
99	**SJD2-2079-2#		ICAPRTBL 5741-SC1-I2 VS1 LISTING
99	SJD2-2080-6#		IEHDASDR OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-U0
99	**SJD2-2081-3#		IEHIOSUP 5741-SC1-U1 VS1 LISTING
99	SJD2-2082-5#		IEHATLAS OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-UF
99	SJD2-2084-5#		CRJE OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-0A
99	SJD2-2085-5#		IEBCOPY 5741-SC1-U6 VS1 LISTING
99	SJD2-2086-5#		OS/VS1 COMPONENT NO. 5741-SC1-U7, IEBCGENER, LISTINGS
99	SJD2-2087-5#		IEBUPDTE OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-U8
99	SJD2-2088-5#		IEBTPCH OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-UA
99	SJD2-2089-5#		OS/VS1 COMPONENT NO. 5741-SC1-UK, IEBCOMPR LISTINGS
99	SJD2-2090-5#		IEBISAM OS/VS1 MICROFICHE LISTING - COMPONENT NUMBER 5741-SC1-UH
99	SJD2-2091-5#		IEBDG OS/VS1 MICROFICHE LISTING 5741-SC1-UJ
99	SJD2-2092-5#		IEHMOVE OS/VS1 MICROFICHE LISTING 5741-SC1-UC
99	SJD2-2094-3#		SMF OS/VS1 MICROFICHE LISTING COMPONENT NUMBER - 5741-SC1-02
99	SJD2-2096-5#		OS/VS1 COMPONENT, NO. 5741-SC1-U3, IEHPROGM LISTINGS
99	SJD2-2097-5#		OS/VS1 COMPONENT NO. 5741-SC1-UD IEHINITT, LISTINGS
99	SJD2-2098-5#		OS/VS1 COMPONENT NO. 5741-SC1-UE, IEHSTATR LISTINGS
99	SJD2-2099-5#		CATALOG OS/VS1 MICROFICHE LISTING 5741-SC1-D3
99	SJD2-2100-4#		PASSWORD PROTECT OS/VS1 MICROFICHE LISTING COMPONENT NUMBER - 5741-SC1-DC
99	SJD2-2101-6#		TAPE ERP/VES 5741-SC1-CC VS1 LISTING
99	SJD2-2102-4#		IEBEDIT 5741-SC1-U9 VS1 LISTING
99	SJD2-2105-6#		RLS 5741-SC1-BB VS1 LISTING
99	SJD2-2106-4#		HMDPRDMP EDIT 5741-SC1-18 VS1 LISTING
99	SJD2-2107-2#		RES ACCT FACILITY 5741-SC1-BC VS1 LISTING
99	SJD2-2108-4#		3505/3525 RDR/PCH 5741-SC1-DD VS1 LISTING
93	SJD2-2110-4#		EX F/P SIMULATOR 5741-SC1-CP VS1 LISTING
99	SJD2-2111-6#		NIP OS/VS1 LISTING, SCP COMPONENT 5741-SC1-C8
99	SJD2-2112-0#		OS/VS1 DSS MICROFICHE ASSEMBLY LISTINGS - PROGRAM NUMBER 5741-SC1-10
99	SJD2-2113-3#		VTAM 5741-SC1-23 VS1 LISTING
99	SJD2-2114-4#		OS/VS1 IDCAMS MICROFICHE ASSEMBLY LISTINGS, 5741-SC1-DK
99	SJD2-2115-4#		3890 DOC PROC 5741-SC1-DF VS1 LISTING
99	SJD2-2116-4#		3886 OCR 5741-SC1-DL VS1 LISTING
99	SJD2-2118-4#		OS/VS1 VSAM, COMPONENT NO. 5741-SC1-DE LISTINGS
99	**SJD2-2119-2	**SSCO-7630	DSS 5741-SC1-10 VS1 LISTING
		**SSCO-6196	
99	**SJD2-2120-2#		HMA SMP 5741-SC1-30 VS1 LISTING
99	**SJD2-2121-2#		POWER WARNING FEATURE 5741-SC1-0E VS1 LISTING
99	**SJD2-2122-4#		ISSP 5741-SC1-BK VS1 LISTING
99	**SJD2-2124-2#		TCAM 5741-SC1-21 VS1 LISTING

99	SJD2-2125-0			OS/VS1 TCAM LEVEL 5 OBR/SDR/EREP SUPPORT - PROGRAM NUMBER 5741-SC1-CD
99	**SJD2-2126-0	**SSCO-6070 **SSCO-6064	**SSCO-6012	3600 HOST SUPPORT 5741-SC1-24 VS1 LISTING
99	**SJD2-2128-2#			SYSGEN 5741-SC1-S1 VS1 LISTING
99	**SJD2-2129-4#			IMCOSJDQ 5741-SC1-19 VS1 LISTING
99	SJD2-2131-2#			OS/VS1 3540 DISKETTE SUPPORT - SCP COMPONENT 5741-SC1-DN
99	**SJD2-2132-1#			MSSC 5741-SC1-DP VS1 LISTING
30	SJD2-2133-3#			SSS HOST SUPPORT 5741-SC1-SSS VS1 LISTING
99	**SJD2-2134-2#			TOLTEP 5741-SC1-OC VS1 LISTING
99	**SJD2-2135-0			3540-DISKETTE 5741-SC1-BL VS1 LISTING
99	SJD2-2138-0			AP-1 5741-SC1-31 VS1 LISTING
99	**SJD2-2139-2#			DSM ERP 5741-SC1-CI VS1 LISTING
99	**SJD2-2140-4#			JOB LIST MGR 5741-SC1-BJ VS1 LISTING
99	**SJD2-2141-2#			MSCTC 5741-SC1-DQ VS1 LISTING
99	**SJD2-2142-1#			MSVC 5741-SC1-DR VS1 LISTING
99	**SJD2-2143-2#			MSSDA 5741-SC1-DS VS1 LISTING
99	**SJD2-2144-2#			TRACE 5741-SC1-DT VS1 LISTING
99	**SJD2-2145-1#			SERV 5741-SC1-DU VS1 LISTING
99	SJD2-2146-12			OS/VS1 GENERAL INDEX NEW IN REL. 05.0 - SCP COMPONENT 5741-SC1-YY
99	**SJD2-2147-1#			COMPONENT INDEX 5741-SC1-ZZ VS1 LISTING 5741-SC1-ZZ
99	**SJD2-2148-1#			MSS RECOVERY MGMT 5741-SC1-BZ VS1 LISTING
99	**SJD2-2149-1#			IEBIMAGE 5741-SC1-U11 VS1 LISTING
99	**SJD2-2150-0			OS/VS1 REL 050 - OBR/EREP/RDE
99	**SJD2-2160-0			OS/VS1 REL 601 - OBR/EREP
99	**SJD2-2161-0			OS/VS1 TCAM 10 SUID 5741-602 MICROFICHE LISTINGS
99	SJD2-2162-0			OS/VS1 SELECTABLE UNIT 3 SSS R5, SUID 5741-603 LISTINGS
99	**SJD2-2163-0			OS/VS1 SELECTABLE UNIT 604 MICROFICHE SUID 5741-604
99	**SJD2-2164-0			OS/VS1 SELECTABLE UNIT 605 MICROFICHE SUID 5741-605
99	**SJD2-2165-0			OS/VS1 SELECTABLE UNIT 606 MICROFICHE SUID 5741-606
99	**SJD2-2178-0			OS/VS1 SELECTABLE UNIT 619 MICROFICHE, SUID 5741-619
99	**SJD2-2181-0			OS/VS1 SELECTABLE UNIT 622 MICROFICHE SUID 5741-622
99	**SJD2-2182-0			SMP ICR FOR VS1-5 REL 03.0, SUID 5741-622
99	SJD2-2419-0			SSP MODULES FOR OS/VS - RELEASE 3.1 LISTINGS - PROG. NO. 5744-BA2
99	GJD2-4002-0			370 DOS BTAM, MICROFICHE LISTING, PROG. NO. 370N-CQ-469
99	SJD2-4103-2			3705-OS/VS-ASM PROGRAM LISTING MICROFICHE INDEPENDENTLY DISTRIBUTED PROGRAM 5744-AN1
99	SJD2-4104-6			IBM 3705 EMULATOR PROGRAM FOR VIRTUAL STORAGE - MICROFICHE PROGRAM NOS. 5735-SC1, 5744-AN1, 5747-AG1
30	LJD2-4106-0			3704/5 EMULATOR PRPQ P85004 SIX BIT TRANSCODE - PROGRAM NUMBER 5799-AGA
30	LJD2-4107-0			3705/4 EP PRPQ P85007 SPECIAL START-STOP - PROGRAM NUMBER 5799-AGK
99	SJD2-4108-1			3704/3705 SSP - DOS/VS 5747-AG1
99	**SJD2-4109-2	**SNB8-3662 **SNB8-3665	**SNB8-3651	3704/3705 NETWORK CONTROL PROGRAM LISTINGS NO. 5744-BA1
30	GJD2-4112-0			3705 USASCII TRANSPARENCY PRPQ P85009 MICROFICHE, PROG. NO. 5799-AFZ
99	SJD2-4120-0	**SSCO-8022		DOS/VS SSP MODULES, LISTINGS - PROG. NO. 5747-AJ2
99	SJD2-4121-3			NCP MODULES FOR OS/VS - LISTINGS - PROG. NO. 5744-BA2
99	SJD2-4122-2	**SNB8-4542		DOS/VS NCP LISTINGS - PROG. NO. 5747-AJ2
99	SJD2-4129-1	**SNB8-4300 **SNB8-3682	**SNB8-4540	NCP 5.0, OS/VS SCP 5744-BA2
99	SJD2-4130-0	**SNB8-3620 **SNB8-3629	**SNB8-3626 **SNB8-3634	NCP 5.0, DOS/VS SCP 5747-AJ2
99	SJD2-4131-0	**SNB8-4520 **SNB8-4528	**SNB8-4127 **SNB8-4531	EP 3.0 OS/VS SCP 5744-AN1
99	SJD2-4132-0	**SSCO-8036 **SNB8-4126	**SNB8-4521 **SNB8-4529	EP 3.0, DOS/VS SCP 5747-AG1
30	**LJD2-4142-0	**LNB8-3673		SSP FOR ACF/NCP/VS OS/VS SSP PP MODULES
30	**LJD2-4143-0	**LNB8-3676		SSP FOR ACF/NCP/VS DOS/VS
99	SJD2-4200-2			OS/VS RELEASE 03.7 SYSTEM CROSS REFERENCE
99	SJD2-4230-1			OS/VS2 RELEASE 020 JES2 5752-SC1-BH
99	SJD2-4240-2			OS/VS2 RELEASE 020 EXTERNAL WRITER 5752-SC1-B2
99	SJD2-4250-2#			OS/VS2 RELEASE 020 SCHED RESTART 5752-SC1-B3
99	SJD2-4260-2#			OS/VS2 RELEASE 020 ALLOC/UNALLOCATE 5752-SC1-B4
99	SJD2-4270-2#			OS/VS2 RELEASE 020 SWA MANAGER 5752-SC1-B5
99	SJD2-4280-2			OS/VS2 RELEASE 020 INITIATOR LISTINGS
99	SJD2-4300-2			OS/VS2 RELEASE 020 MSTR SCHLOR CMDS 5752-SC1-B8
99	SJD2-4310-2			OS/VS2 RELEASE 020 CONVNT/INTERPRETER 5752-SC1-B9
99	SJD2-4320-2			OS/VS2 RELEASE 020 DASD ERP 5752-SC1-CA
99	SJD2-4330-2#			OS/VS2 RELEASE 020 UNIT RECORD ERP 5752-SC1-CB
99	SJD2-4340-2#			OS/VS2 RELEASE 020 TAPE ERP/VES 5752-SC1-CC
99	SJD2-4350-2			OS/VS2 RELEASE 020 OBR/EREP/RDE 5752-SC1-CD
99	SJD2-4360-2			OS/VS2 RELEASE 020 RMS 5752-SC1-CE
99	SJD2-4370-2			OS/VS2 RELEASE 020 EXTEND SVC ROUTER 5752-SC1-CF
99	SJD2-4380-2			OS/VS2 RELEASE 020 SVC 109 5752-SC1-CG
99	SJD2-4390-2#			OS/VS2 RELEASE 020 VIRT STORAGE MAN 5752-SC1-CH
99	SJD2-4400-2			OS/VS2 RELEASE 020 CONTENTS SUPER VSR 5752-SC1-CJ
99	SJD2-4410-2			OS/VS2 RELEASE 20 COMMUNICATOR TASK 5752-SC1-CK
99	SJD2-4420-2			OS/VS2 RELEASE 020 TASK MAN 5752-SC1-CL
99	SJD2-4430-2			OS/VS2 RELEASE 020 RECOVERY TERMIN 5752-SC1-CM
99	SJD2-4440-1			OS/VS2 RELEASE 020 EXT PREC FLT PT S 5752-SC1-CP
99	SJD2-4450-2			OS/VS2 RELEASE 020 MF/1 5752-SC1-CQ
99	SJD2-4460-2			OS/VS2 RELEASE 020 REAL STORAGE MAN 5752-SC1-CR
99	SJD2-4470-2			OS/VS2 RELEASE 020 REG CONTROL TASK 5752-SC1-CU
99	SJD2-4480-2			OS/VS2 RELEASE 020 TIMER SUPER VISION 5752-SC1-CV
99	SJD2-4490-2			OS/VS2 RELEASE 020 AUX STORAGE MAN 5752-SC1-CW
99	SJD2-4500-2			OS/VS2 RELEASE 020 SYS RESRC MGR 5742-SC1-CX
99	SJD2-4510-1			OS/VS2 RELEASE 020 RASIX PART TREE S 5752-SC1-CY

99	SJD2-4520-2	OS/VS2 RELEASE 020 MP RECONFIG 5752-SC1-CZ
99	SJD2-4540-2#	OS/VS2 RELEASE 020 OVERLAY SUPER VSR 5752-SC1-C2
99	SJD2-4550-2	OS/VS2 RELEASE 020 IOS 5752-SC1-C3
99	SJD2-4560-2	OS/VS2 RELEASE 020 DIDOCS 5752-SC1-C4
99	SJD2-4570-2	OS/VS2 RELEASE 020 SUPERVISOR CONTROL 5752-SC1-C5
99	SJD2-4580-2	OS/VS2 RELEASE 020 EXCP 5752-SC1-C6
99	SJD2-4590-2#	OS/VS2 RELEASE 020 FETCH 5752-SC1-C7
99	SJD2-4600-2#	OS/VS2 RELEASE 024 NIP 5752-SC1-C8
99	SJD2-4610-2	OS/VS2 RELEASE 020 IPL 5752-SC1-C9
99	SJD2-4620-2	OS/VS2 RELEASE 020 BLOCK PROCESSOR LISTINGS, COMPONENT NO. 5752-SC1-DA
99	SJD2-4630-2	OS/VS2 RELEASE 020 SAM SUBSYS INTERFACE LISTINGS, COMPONENT NO. 5752-SC1-DB
99	SJD2-4640-2	OS/VS2 RELEASE 020 PASSWORD PROTECT LISTINGS, COMPONENT NO. 5752-SC1-DC
99	SJD2-4650-2#	OS/VS2 RELEASE 020 3505/3525 READER PUNCH SUPPORT LISTINGS 5752-SC1-DD
99	SJD2-4660-2	OS/VS2 RELEASE 020 VSAM/VSAM CATALOG LISTINGS COMPONENT NO. 5752-SC1-DE
99	SJD2-4670-2#	OS/VS2 RELEASE 020 3890 DOCUMENT PROCESSOR LISTINGS, COMPONENT NO. 5752-SC1-DF
99	SJD2-4680-2	OS/VS2 RELEASE 020 VBP LISTINGS, COMPONENT NO. 5752-SC1-DG
99	SJD2-4690-2	OS/VS2 RELEASE 020 CATALOG CONTROLLER 3 LISTINGS, COMPONENT NO. 5752-SC1-DH
99	SJD2-4700-1	OS/VS2 RELEASE 020 WINDOW INTERCEPT LISTINGS, COMPONENT NO. 5752-SC-DJ
99	SJD2-4710-2	OS/VS2 RELEASE 020 ACCESS METHOD SERVICES COMPONENT NO. 5752-SC1-DK
99	SJD2-4720-2	OS/VS2 RELEASE 020 3886 OCR LISTINGS, COMPONENT NO. 5752-SC1-DL
99	SJD2-4730-2	OS/VS2 RELEASE 020 SAM LISTINGS, COMPONENT NO. 5752-SC1-DO
99	SJD2-4740-2	OS/VS2 RELEASE 020 OPEN/CLOSE/EOV LISTINGS, COMPONENT NO. 5752-SC1-D1
99	SJD2-4750-2	OS/VS2 RELEASE 020 PAM LISTINGS, COMPONENT NO. 5752-SC1-D2
99	SJD2-4770-2#	OS/VS2 RELEASE 020 DADSM 5752-SC1D4
99	SJD2-4780-2	OS/VS2 RELEASE 020 OCR 5752-SC1D5
99	SJD2-4790-2	OS/VS2 RELEASE 020 MICR 5752-SC1D6
99	SJD2-4800-2#	OS/VS2 RELEASE 020 DAM 5752-SC1-D7
99	SJD2-4810-2#	OS/VS2 RELEASE 020 ISAM 5752-SC1D8
99	SJD2-4820-2#	OS/VS2 RELEASE 020 GAM 5752-SC1G0
99	SJD2-4830-2#	OS/VS2 RELEASE 020 IBCDMPRS 5752-SC1I0
99	SJD2-4840-2	OS/VS2 RELEASE 020 IBCDASDI 5752-SC1-I1
99	SJD2-4850-1	OS/VS2 RELEASE 020 ICAPRTBL 5752-SC1-I2
99	SJD2-4860-2	OS/VS2 RELEASE 020 TSO EDIT 5752-SC1-T0
99	SJD2-4870-2#	OS/VS2 RELEASE 020 TSO TEST 5752-SC1-T1
99	SJD2-4880-2	OS/VS2 RELEASE 020 TSO UTILITIES 5752-SC1T2
99	SJD2-4890-2	OS/VS2 RELEASE 020 TSO TIOC 5752-SC1-T3
99	SJD2-4900-2	OS/VS2 RELEASE 020 TSO SCHEDULER 5752-SC1-T4
99	SJD2-4910-2	OS/VS2 RELEASE 020 LINK LOADGO PROMP 5752-SC1-T5
99	SJD2-4920-1#	OS/VS2 RELEASE 020 TSO TCAM SUBROUTINES
99	SJD2-4930-1	OS/VS2 RELEASE 020 DEBPTPCH 5752-SC1-UA
99	SJD2-4940-2	OS/VS2 RELEASE 020 IEHMOVE 5752-SC1-UC
99	SJD2-4950-2	OS/VS2 RELEASE 020 IEHINITT 5752-SC1-UD
99	SJD2-4960-1	OS/VS2 RELEASE 020 IEHSTATR 5752-SC1-UE
99	SJD2-4970-2	OS/VS2 RELEASE 020 IEHATLAS 5752-SC1-UF
99	SJD2-4980-1	OS/VS2 RELEASE 020 IEBTCRIN 5752-SC1-UG
99	SJD2-4990-1	OS/VS2 RELEASE 020 IEBISAM 5752-SC1-UH
99	SJD2-5000-1	OS/VS2 RELEASE 020 IEBDG 5752-SC1-UJ
99	SJD2-5010-2	OS/VS2 RELEASE 020 IEBCOMPR 5752-SC1-UK
99	SJD2-5020-1	OS/VS2 RELEASE 020 IEHUCAT 5752-SC1-UY
99	SJD2-5030-2	OS/VS2 RELEASE 020 IEHDASDR 5752-SC1-U0
99	SJD2-5040-2#	OS/VS2 RELEASE 020 IEHLIST 5752-SC1-U2
99	SJD2-5050-2#	OS/VS2 RELEASE 020 IEHPROGM 5752-SC1-U3
99	SJD2-5060-2	OS/VS2 RELEASE 020 IEBCOPY 5752-SC1-U6
99	SJD2-5070-1	OS/VS2 RELEASE 020 IEBGENER 5752-SC1-U7
99	SJD2-5080-2	OS/VS2 RELEASE 020 IEBUPDTE 5752-SC1-U8
99	SJD2-5090-2#	OS/VS2 RELEASE 020 IEBEDIT 5752-SC1U9
99	SJD2-5110-2#	OS/VS2 RELEASE 020 POWR WARN FEATURE 5752-SC10E
99	SJD2-5120-2	OS/VS2 RELEASE 020 SMF SCHEDULER 5752-SC1-00
99	SJD2-5130-2	OS/VS2 MAPPING MACROS 5752-SC1-01 OS/VS2 RELEASE 2.0
99	SJD2-5140-2	OS/VS2 RELEASE 020 SMF 5752-SC1-02
99	SJD2-5150-2	OS/VS2 RELEASE 020 ASSEMBLER XF 5752-SC1-03
99	SJD2-5160-2	OS/VS2 RELEASE 020 LINKAGE EDITOR 5752-SC1-04
99	SJD2-5170-2#	OS/VS2 RELEASE 020 LOADER 5752-SC1-05
99	SJD2-5180-2	OS/VS2 RELEASE 020 OLTEP 5752-SC1-06
99	SJD2-5190-1	OS/VS2 RELEASE 020 GSP 5752-SC1-07
99	SJD2-5200-2#	OS/VS2 RELEASE 020 CHK PT/RESTART 5752-SC1-09
99	SJD2-5210-2#	OS/VS2 RELEASE 020 USS 5752-SC1-10
99	SJD2-5220-2	OS/VS2 RELEASE 020 GTF 5752-SC1-11
99	SJD2-5230-2#	OS/VS2 RELEASE 020 AMASZAP 5752-SC1-12
99	SJD2-5240-2	OS/VS2 RELEASE 020 AMDPRDMP 5752-SC1-13
99	SJD2-5250-2#	OS/VS2 RELEASE 020 AMBLIST 5752-SC1-14
99	SJD2-5260-2#	OS/VS2 RELEASE 020 AMDSADMP 5752-SC1-15
99	SJD2-5270-1	OS/VS2 RELEASE 020 AMAPTFLE 5752-SC1-16
99	SJD2-5280-2	OS/VS2 RELEASE 020 AMDPRDMP/EDIT 5752-SC1-18
99	SJD2-5290-2#	OS/VS2 RELEASE 020 BTAM 5752-SC1-20
99	SJD2-5300-2#	OS/VS2 RELEASE 020 TCAM 5752-SC1-21
99	SJD2-5320-2#	OS/VS2 RELEASE 020 VTCAM 5752-SC1-23
99	SJD2-5330-2	OS/VS2 REL 815 - SMP - 5752-SC1-30
99	SJD2-5360-1	OS/VS2 RELEASE 03.0 ERIC 2 LISTINGS - COMPONENT NO. 5752-SC1-DN
99	SJD2-5370-1	OS/VS2 RELEASE 03.0 SUBSYSTEM COMMUNICATOR LISTINGS COMPONENT NO. 5752-SC1-DP

99	SJD2-5380-1		OS/VS2 RELEASE 03.0 VVIC LISTINGS COMPONENT NO. 5752-SC1-DR
99	SJD2-5390-1		OS/VS2 RELEASE 03.0 SUBSYS DATA ANAL YEAR LISTINGS
			COMPONENT NO. 5752-SC1-DS
99	SJD2-5400-1		OS/VS2 RELEASE 03.0 MSS TRACE REPORT LISTINGS
			COMPONENT NO. 5752-SC1-DT
99	SJD2-5410-1		OS/VS2 RELEASE 03.0 MSS UTILITIES LISTINGS - COMPONENT
			NO. 5752-SC1-DU
99	SJD2-5420-1		OS/VS2 RELEASE 03.0 TOLTEP LISTINGS - COMPONENT NO.
			5752-SC1-0C
99	SJD2-5430-1		OS/VS2 RELEASE 03.0 3600 HOST SUPPORT LISTINGS - COMPONENT
			NO. 5752-SC1-24
99	SJD2-5440-1		OS/VS2 RELEASE 03.0 DSMTC LISTINGS - COMPONENT NO.
			5752-SC1-DQ
99	SJD2-5470-1		OS/VS2 RELEASE 03.7 MSS RECOVERY MGMT LISTINGS, SCP
			COMPONENT 5752-SC1-BZ
99	SJD2-6161-1		OS/VS2 JES3 LISTINGS, SU 18 SU ID 5752-818
99	SJD2-6162-1		OS/VS2 MVS DUMPING IMPROVEMENTS, SUID 5752-833,
			MICROFICHE DUMP
99	SJD2-6163-1		OS/VS2 158/168 ATTACHED PROCESSOR SELECTABLE UNIT LISTINGS,
			SUID 5752-847
99	SJD2-6195-0		OS/VS2 810 IEBIMAGE LISTINGS
99	SJD2-6196-0		OS/VS2 813 VTIOC/TCAS, SCP LISTINGS
36	LJD2-6200-1		OS/VS2 NJE FOR JES2, LISTINGS - LIC PROG 5740-XR8
14	GL21-9071-0	**GN21-0131	IBM 2501 CARD READER, MODELS A AND B RPQ FEATURES
15	GL21-9225-0		IBM 7460-4 STUB CARD READER RPQ EE7595 INSTALLATION
			MANUAL-- PHYSICAL PLANNING
15	GL22-6936-2#		IBM 2914 SWITCHING UNIT MODEL 1, RPQ 880882, CUSTOM FEATURE:
			INSTALLATION MANUAL - PHYSICAL PLANNING
14	GL22-6937-1		SYSTEM/360 AND SYSTEM/370 CUSTOM FEATURE DESCRIPTION:
			2914 SWITCHING UNIT MODEL 1 - RPQ 880882
14	GL22-6979-2		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	GL22-7025-0		2914 STORAGE CONTROL INTERFACE SWITCH MODEL 2 RPQ 8P0290
			PRODUCT DESCRIPTION AND PHYSICAL PLANNING
14	GL24-3570-0	**GN24-0477	IBM 2946 TERMINAL CONTROL SUBSYSTEM
			COMPONENT DESCRIPTION AND OPERATING GUIDE
15	GL24-3571-3		IBM 2946 TERMINAL CONTROL SUBSYSTEM INSTALLATION MANUAL
			PHYSICAL PLANNING
14	GL24-3618-1		2956 MODEL 8 CARD READER RPQ 810582 CUSTOM UNIT
			DESCRIPTION AND PHYSICAL PLANNING
14	GL24-3628-0		IBM 3203 BOOK BRAILLE PRINTING FEATURE RPQ S00293
			DESCRIPTION AND OPERATOR S GUIDE CUSTOM FEATURE
14	GL24-3629-0		IBM 3203 PROGRAMMER BRAILLE PRINTING RPQ S00305 CUSTOM
			FEATURE DESCRIPTION AND OPERATOR S GUIDE
36	SQB8-0606-2		OS/VS2 DATA AREAS: REL 2, 3, 3.6 SYB8-0606-2
99	SQD2-2002-1		OS/VS1 RELEASE 2 5741-SC1-C5 - SUPERVISOR
99	SQD2-2014-1		OS/VS1 RELEASE 2 5741-SC1-B0 - JECS
99	SQD2-2020-1		OS/VS1 RELEASE 2 5741-SC1-B6 - INITIATOR
99	SQD2-2021-1		OS/VS1 RELEASE 2 5741-SC1-B7 - TERMINATION
99	SQD2-2025-1		OS/VS1 RELEASE 2 5741-SC1-BE - SYST LOG
99	SQD2-2031-1		OS/VS1 RELEASE 2 5741-SC1-G0 - GAM
99	SQD2-2033-1		OS/VS1 RELEASE 2 5741-SC1-CE - RMS
99	SQD2-2049-1		OS/VS1 RELEASE 2 5741-SC1-20 - BTAM
99	SQD2-2054-1		OS/VS2 RELEASE 5741-SC1-09 - CHECK POINT
99	SQD2-2060-1		OS/VS1 RELEASE 2 5741-SC1-D4 - DADSM
99	SQD2-2061-1		OS/VS1 RELEASE 2 5741-SC1-D6 - MICR
99	SQD2-2084-1		OS/VS1 RELEASE 2 5741-SC1-0A - CRJE
99	SQD2-2085-1		OS/VS1 RELEASE 5741-SC1-U6 - IEBCOPY
99	SQD2-2086-1		OS/VS1 RELEASE 2 5741-SC1-U7 - IEBGENER
99	SQD2-2088-1		OS/VS1 RELEASE 2 5741-SC1-UA - IEBTPCH
99	SQD2-2089-1		OS/VS1 RELEASE 2 5741-SC1-UK - IEBCOMPR
99	SQD2-2091-1		OS/VS1 RELEASE 2 5741-SC1-U5 - IEBDG
99	SQD2-2092-1		OS/VS1 RELEASE 2 5741-SC1-UC - IEHMOVE
99	SQD2-2097-1		OS/VS1 RELEASE 2 5741-SC1-UD - IEHINITT
99	SQD2-2099-1		OS/VS1 RELEASE 2 5741-SC1-D3 - CATALOG
99	SQD2-2101-1		OS/VS1 RELEASE 2 5741-SC1-CC - TAPE ERP/VES
36	GQ20-1807-4	**GN20-2688	VM/370 REL 3 PLC1 SYSTEM PROGRAMMER S GUIDE GC20-1807-4
40	GQ20-1808-6	**GN20-2686	VM/370 REL 3 PLC1 SYSTEM MESSAGES GC20-1808-6
40	GQ20-1810-5		VM/370 REL 3 PLC4 TERMINAL USER S GUIDE GC20-1810-5
20	GQ20-1813-0		VM/370 GLOSSARY & MASTER INDEX: REL 3 PLC 1 GC20-1813-3
34	GQ24-5090-1		OS/VS1 PLANNING AND USE GUIDE RELEASE 2.0, 2.6
37	GQ24-5093-1		OS/VS1 DEBUGGING GUIDE, RELEASE 2.0, 2.6
34	GQ24-5094-1	**GN24-5475	OS/VS1 STORAGE ESTIMATES - RELEASE 2.0, 2.6
		**GN24-5463	
34	GQ24-5095-1		DOS & DOS/VS TO OS/VS1 IMPLEMENTATION GUIDE OS/VS1 RELEASE
			2.0 & 2.6
36	GQ24-5099-1		OS/VS1 JCL REFERENCE: REL 4 GC24-5099-0
36	GQ24-5100-1		OS/VS1 JCL SERVICES: REL 4 GC24-5100-1
36	GQ24-5103-1	**GN24-5499	OS/VS1 SUPERVISOR SERVICES & MACROS INSTRUCTIONS: WITH
		**GN24-5515	GN24-5499, REL 4; AND GN24-5515, REL 5 GC24-5103-1
36	GQ26-3784-4		OS/VS CHECK POINT/RESTART: VS2 REL 2 GC26-3784-4
34	GQ26-3791-1	**GN26-0762	OS/VS1 SYSTEM GENERATOR REFERENCE
34	GQ26-3792-2	**GN26-0764	OS/VS2 SYSTEM GENERATION REFERENCE: VS2 REL 1.6, 1.7
			GC26-3792-1
31	GQ26-3813-3		OS/VS LINKAGE EDITOR AND LOADER: VS1 REL 4;
			VS2 REL 2, 3, 3.6 GC26-3813-3
30	GQ26-3819-1		OS/VS VSAM OPTIONS FOR ADVANCED APPLICATIONS: VS2 REL 2
			GC26-3819-1
30	GQ26-3830-1		OS/VS2 DATA MANAGEMENT: REL 3, 3.6 GC26-3830-1

30	GQ26-3837-1	**GN26-0783		OS/VS1 DATA MANAGEMENT FOR SYSTEM PROGRAMMERS: REL 4 GC26-3837-1
30	GQ26-3838-1			OS/VS VSAM PROGRAMMER S GUIDE: VS2 REL 3, 3.6 GC26-3838-1
30	GQ26-3840-1			OS/VS1 ACCESS METHOD SERVICES: REL 5 GC26-3840-1
30	GQ27-6957-2	**GN27-1508	**GN27-1576	DOS/VS VTAM SYSTEM PROGRAMMER S GUIDE: REL 32 GC27-6957-2
30	GQ27-6994-1	**GN27-1496		VTAM MACRO LANGUAGE GUIDE: VS1 REL 4; VS2 REL 3, 3.6; DOS/VS REL 32 GC27-6994-1
30	GQ27-6995-3	**GN27-1498		VTAM MACRO LANGUAGE REFERENCE: VS1 REL 4; VS2 REL 3, 3.6; DOS/VS REL 32 GC27-6995-3
30	GQ27-6998-2	**GN27-1510	**GN27-1497	VTAM CONCEPTS & PLANNING: VS1 REL 4; VS2 REL 2, 3, 3.6; DOS/VS REL 32 GC27-6998-2
34	GQ28-0601-1			OS/VS2 RELEASE 1.6 GUIDE GC28-0601-1
34	GQ28-0604-2			OS/VS2 STORAGE ESTIMATES: RELEASE 2 GC28-0604-2
36	GQ28-0608-0	**GN25-0148		OS/VS2 SYS PROG LIB: JES3: REL 3.7 GC28-0608-2
36	GQ28-0617-1			OS/VS ICL SERVICES
37	GQ28-0632-1	**GN28-2582		OS/VS2 DEBUGGING GUIDE: VS2 REL 2 GC28-0632-1
37	GQ28-0638-1			OS/VS2 SYS1.LOGREC ERROR RECORDING: REL 1.6, 1.7 GC28-0638-1
39	GQ28-0645-1			OS/VS2 TSO TERMINAL USER S GUIDE: REL 2 GC28-0645-1
39	GQ28-0646-1	**GN28-2572		OS/VS2 TSO COMMAND LANGUAGE REFERENCE: REL 2 GC28-0646-1
39	GQ28-0648-1	**GN28-2578		OS/VS2 TSO GUIDE TO WRITING A TERMINAL MONITOR PROGRAM OR COMMAND PROCESSOR: REL 2, 3, 3.6 GC28-0648-1
37	GQ28-0668-1	**GN25-0303	**GN25-0111	OS/VS1 SYS1.LOGREC ERROR RECORDING: REL 4 GC28-0668-1
37	GQ28-0674-1	**GN27-1516	**GN25-0129	OS/VS2 MVS SYSTEM PROGRAMMING LIBRARY SERVICE AIDS GC28-0674-1
37	GQ28-0677-2	**GN25-0127	**GN25-0136	OS/VS2 SYS1.LOGREC ERROR RECORDING FOR MVS: REL 3, 3.6 GC28-0677-2
34	GQ28-0681-1	**GN28-2603		OS/VS2 INITIALIZATION AND TUNING GUIDE: REL 3, 3.6 GC38-0681-0
34	**GQ28-0689-2			OS/VS2 CONVERSION NOTEBOOK GC28-0689-2
36	GQ28-0692-1	**GN28-2600		OS/VS2 JCL: REL 3, 3.6 GC28-0692-1
38	GQ28-6879-1	**GN24-5484	**GN24-5497	OS/VS1 RES WORKSTATION USER S GUIDE: REL 4 GC28-6879-1
30	GQ30-3008-3	**GN30-2595	**GN30-2591	3704 & 3705 CONTROL PROGRAM GENERATION & UTILITILS GUIDE & REFERENCE MANUAL VTAM USERS IN DOS/VS; VS1; VS2 REL 3, 3.6, 3.7 GC30-3008-3
21	GQ33-4021-2	**GN33-8194	**GN33-8186	OS/VS1 & VM/370 ASSEMBLER PROGRAMMER S GUIDE, VS2 REL 2 GC33-4021-2
30	GQ33-5375-0	**GN33-8781	**GN33-8802	DOS/VS DASD LABELS: REL 33 GC33-5375-1
32	GQ33-5381-1	**GN33-9188	**GN33-8783	DOS/VS SYSTEM UTILITIES: REL 32 GC33-5381-1
40	GQ38-0110-2			OPERATORS LIBRARY, OS/VS1 RES REFERENCE, RELEASE 2.0, 2.6
40	GQ38-0120-1			OPERATOR S LIBRARY: OS/VS CONSOLE CONFIGURATIONS
40	GQ38-0210-1	**GN28-2575		OPERATOR S LIBRARY: OS/VS2 REFERENCE JES2: REL 2 GC38-0210-1
30	GQ38-1000-2			MSS MESSAGES: VS1 REL 5, VS2 REL 3.7 GC38-1000-2
40	GQ38-1001-1	**GN24-5472		OS/VS MESSAGE LIBRARY: VS1 SYSTEM MESSAGE, RELEASE 2.0, 2.6
40	GQ38-1002-0	**GN28-2574		OS/VS2 SYSTEM MESSAGES: REL 2 GC38-1002-2
40	GQ38-1003-2			OS/VS1 MESSAGE LIBRARY: SYSTEM CODES, RELEASE 2.0, 2.6
40	GQ38-1004-1			OS/VS MESSAGE LIBRARY: ROUTING AND DESCRIPTOR CODES
32	GQ38-1005-1			OS/VS MESSAGE LIBRARY UTILITIES MESSAGES
37	GQ38-1006-1			OS/VS MESSAGE LIBRARY: SERVICE AIDS AND OLTEP MESSAGES
40	GQ38-1008-1	**GN28-2577		OS/VS2 SYSTEM CODES REL 2 GC38-1008-1
40	GQ38-1011-1			OS/VS SSS MESSAGES: VS1 REL 5; VS2 REL 3, 3.6 GC38-1011-1
40	GQ38-1012-0	**GN28-2626		OS/VS2 JES3 MESSAGES: REL 3.7 GC38-1012-1
50	GQ40-1260-3			IMS/VS VERSION 1 GENERAL INFORMATION PROG PROD 5740-XX2 R1.1.1 REFERENCE
50	SQ40-9025-3			IMS/VS VERSION 1 SYSTEM/APPLICATION DESIGN GUIDE PROG PROD 5740-XX2 R1.1.1 REFERENCE
50	SQ40-9026-3			IMS/VS VERSION 1 APPLICATION PROGRAMMING REFERENCE, PROG PROD 5740-XX2, R1.1.1
50	SQ40-9027-3			IMS/VS VERSION 1 SYSTEM PROGRAMMING REFERENCE PROG PROD 5740-XX2 R1.1.1
50	SQ40-9028-1	**SN20-9113		IMS/VS VERSION 1 OPERATOR S REFERENCE MANUAL SH20-9028-1
50	SQ40-9029-2	**SN20-9118		IMS/VS VERSION 1 UTILITIES REFERENCE PROG PROD 5740-XX2 R1.1.1
50	SQ40-9030-3			IMS/VS VERSION 1 MESSAGES AND CODES REFERENCE PROG PROD 5740-XX2 R1.1.1
50	SQ40-9054-0	**SN20-9258		IMS/VS VERSION 1 ADVANCED FUNCTION FOR COMMUNICATIONS SH20-9054-1 VER 1.1.2
50	LQ50-8004-4			IMS/VS VERSION 1 LOGIC VOLUME 1 OF 3 PROG PROD 5740-XX2 R1.1.1
50	LQ50-8005-1	**LN20-9088	**LN20-9116	IMS/VS VERSION 1 LOGIC VOLUME 2 OF 3 PROG PROD 5740-XX2 R1.1.1 LY20-8005-1
30	GQ61-0013-1	**GN21-7659	**GN21-5169	OS DATA MANAGEMENT MACRO LOGIC FOR 1285/1287/1288 VS2 REL 1.6, 1.7 GY21-0013-1
36	SQ64-5155-1			OS/VS1 SUPERVISOR LOGIC - RELEASE 2.0, 2.6
30	SQ64-5156-1	**SN24-5464		OS/VS1 I/O SUPERVISOR LOGIC - RELEASE 2.0, 2.6
36	SQ64-5159-1			OS/VS1 CHECKPOINT/RESTART LOGIC - RELEASE 2.0, 2.6
36	SQ64-5160-1			OS/VS1 IPL AND NIP LOGIC - RELEASE 2.0, 2.6
36	SQ64-5161-1			OS/VS1 JOB MANAGEMENT LOGIC - RELEASE 2.0, 2.6
30	SQ66-3785-1			OS/VS OPEN/CLOSE/EOV LOGIC
30	SQ66-3787-1			OS/VS DADSM LOGIC: VS2 REL 1.6, 1.7 SY26-3787-1
36	SQ66-3820-1			OS/VS CHECKPOINT RESTART LOGIC: VS2 REL 1.6, 1.7 SY26-3820-1
30	SQ66-3823-1			OS/VS2 I/O SUPERVISOR LOGIC: REL 1.6, 1.7 SY26-3823-2
30	SQ66-3826-2			OS/VS2 CATALOG MANAGEMENT LOGIC: REL 3, 3.6 SY26-3826-2
30	SQ66-3840-1			OS/VS1 SAM LOGIC: REL 4 SY26-3840-1
37	SQ67-7239-1	**SN27-1407		OS/VS RECOVERY MANAGEMENT SUPPORT LOGIC VS2 REL 1.6, 1.7 SY27-7239-1
30	SQ67-7256-2	**SN27-1503		INTRODUCTION TO VTAM LOGIC LEVEL 2 : DOS/VS REL 32; VS1 REL 4 SY27-7256-2

30	SQ67-7265-1			DOS/VS VTAM DATA AREAS: REL 32 SY27-7265-1
36	SQ68-0605-1			OS/VS1 SYSTEM DATA AREAS - RELEASE 2.0, 2.6
37	SQ68-0635-1	**SN25-0103	**SN25-0114	OS/VS1 SERVICE AIDS LOGIC: REL 4 SY28-0635-1
		**SN25-0123		
37	SQ68-0637-1			OS/VS OLTEP LOGIC: VS2 REL 1.6, 1.7 SY26-0637-1
37	SQ68-0639-1			OS/VS2 SYS1.LOGREC ERROR RECORDING LOGIC: REL 1.6, 1.7 SY28-0639-1
37	SQ68-0643-1			OS/VS2 SERVICE AIDS LOGIC: VS2 REL 2 SY28-0643-1
39	SQ68-0650-1			OS/VS2 TSO TERMINAL MONITOR PROGRAM & SERVICE ROUTINES LOGIC: REL 2 SY28-0650-1
39	SQ68-0652-1			OS/VS2 TSO COMMAND PROCESSOR LOGIC VOLUME IV: REL 2 SY28-0652-1
39	SQ68-0654-1			OS/VS2 TSO TERMINAL MESSAGES DIRECTORY: REL 3, 3.6 SY28-0654-1
37	**SQ68-0664-1			DOS/VS AND OS/VS TOLTEP LOGIC
				DOS/VS REL 32, OS/VS1-4, OS/VS2-3: VTAM LVL 2 SY28-0664-1
37	SQ68-0669-1	**SN25-0304	**SN25-0112	OS/VS1 SYS1.LOGREC RECORDING LOGIC: REL 4 SY28-0669-1
37	SQ68-0678-2			OS/VS2 SYS1.LOGREC ERROR RECORDING LOGIC: REL 3, 3.6 SY28-0678-2
30	SQ68-6849-1	**SN24-5495		OS/VS1 RES RTAM AND WORKSTATION SUPPORT LOGIC - COMPONENT NO. 5741-SC1-BB OS/VS1 RELEASE 3.0,3.1
30	SQ70-3017-2			SYSTEM/370 SSS LOGIC: VS1 REL 4 SY30-3017-2
39	SQ73-8548-1			OS/VS2 TSO COMMAND PROCESSOR LOGIC VOLUME II: EDIT: REL 2 SY33-8548-1
37	SQ73-8552-1	**SN33-8771	**SN33-8784	ERROR RECOVERY AND RECORDING TRANSIENTS LOGIC SY33-8552-1
		**SN33-8794	**SN33-8808	DOS/VS REL. 33
		**SN33-9205		
		**SN33-8807		
36	SQ73-8570-1			DOS/VS POWER/VS LOGIC: REL 32 SY33-8570-1
30	SQ75-0003-1			OS/VS CATALOGUE MANAGEMENT LOGIC - COMPONENT NOS. 5741 AND 5742-SC1-D3 - OS/VS2 RELEASE 1.0 AND OS/VS1 1.0
32	SQ75-0005-2	**SN26-0784		OS/VS UTILITIES LOGIC: VS2 REL 2 SY35-0005-2 ; WITH SN26-0784, VS1 REL 4; VS2 REL 3, 3.6
30	SQ75-0008-1	**SN26-0816		OS/VS1 ACCESS METHOD SERVICES LOGIC: REL 4; WITH SN26-0816, REL 5 SY35-0008-1
30	SQ75-0010-1			OS/VS2 ACCESS METHOD SERVICES LOGIC: REL 3, 3.6 SY35-0010-1
85	SR20-4193-1			TSO COMMAND LANGUAGE FOR APPLICATION PROGRAMMERS - A PRIMER TERMINAL-ORIENTED SELF-STUDY TEXT
85	SR20-4194-0#			TSO COMMAND LANGUAGE FOR ADMINISTRATIVE APPLICATIONS A PRIMER: TERMINAL-ORIENTED SELF-STUDY TEXT
85	GR20-4260-1			INTRODUCTION TO VIRTUAL STORAGE IN SYSTEM/370 STUDENT TEXT
85	SR20-4438-1			CMS FOR PROGRAMMERS -- A PRIMER: VM/370 TERMINAL-ORIENTED SELF-STUDY TEXT
85	SR20-4452-1			IBM TERMINALS SELF-STUDY TEXT
40	SR20-4460-2			IBM SYSTEM/370 OPERATOR S REFERENCE GUIDE
85	SR20-4513-2			ADVANCED FUNCTION NCP DATA FLOW - COURSE CODE S3851
85	SR20-4544-1			IBM 3704 AND 3705 COMMUNICATIONS CONTROLLERS HARDWARE STUDENT TEXT
85	SR20-4546-1			3704, 3705 COMMUNICATIONS CONTROLLERS EMULATION PROGRAMMING COURSE CODE G3689, STUDENT TEXT
85	**SR20-4547-1			3704 AND 3705 COMMUNICATIONS CONTROLLERS EMULATION DATA FLOW STUDENT TEXT - COURSE CODE G3630
09	GR29-0296-5			IBM 3705 EMULATION - REFERENCE CARD
36	STB4-5155-0			OS/VS1 SUPERVISOR LOGIC MICROFICHE : REL 5 SYB4-5155-0
30	STB4-5156-0			OS/VS1 I/O SUPERVISOR LOGIC MICROFICHE EDITION REL 5 SYB4-5156-0
36	STB4-5160-0			OS/VS1 IPL AND NIP LOGIC MICROFICHE : REL 5 SYB4-5160-0
30	STB4-5166-0			OS/VS1 LOGIC FOR 3540 MICROFICHE : REL 5 SYB4-5166-0
36	STB4-5168-0			OS/VS1 JOB MANAGEMENT LOGIC VOL. 1 MICROFICHE EDITION : REL 5 SYB4-5168-0
36	STB4-5169-0			OS/VS1 JOB MANAGEMENT LOGIC VOL 2 MICROFICHE EDITION : REL 5 SYB4-5169-0
30	STB6-3839-0			OS/VS1 OPEN/CLOSE/EOV LOGIC MICROFICHE EDITION : REL 5 SYB6-3839-0
30	STB6-3840-0			OS/VS1 SAM LOGIC REL 5 SYB6-3840-0 MICROFICHE EDITION
30	STB6-3841-0			OS/VS1 VSAM LOGIC MICROFICHE EDITION ; REL 5 SYB6-3841-0
30	STB7-7246-0			OS/VS BTAM LOGIC MICROFICHE : VS1 REL 5 SYB7-7246-0
30	STB7-7257-0			OS/VS1 VTAM LOGIC MICROFICHE : REL 5 SYB7-7257-0
36	STB8-0605-0			OS/VS1 SYSTEM DATA AREAS MICROFICHE : REL 5 SYB8-0605-0
99	STB8-0606-1			OS/VS2 DATA AREAS PROG. NO. 5752 OS/VS2 RELEASE 2.0
37	STB8-0662-0			OS/VS1 OLTEP LOGIC MICROFICHE : REL 5 SYB8-0662-0
37	STB8-0669-0			SYS1.LOGREC ERROR RECORDING LOGIC MICROFICHE EDITION : VS1 REL5 SYB8-0669-0
37	STB8-0685-0			OS/VS SMP LOGIC MICROFICHE : VS1 REL 5 SYB8-0685-0
30	**LTB8-0770-0			OS/VS2 MVS RACF DATA AREAS LYB8-0770-0
30	**LTB8-0771-0			OS/VS2 MVS RACF DIRECTORY LYB8-0771-0
30	STB8-6849-0			OS/VS1 RES RTAM & WORKSTATION SUPPORT LOGIC MICROFICHE EDITION : REL 5 SYB8-6849-0
30	STC0-2069-0			OS/VS1 TCAM LOGIC MICROFICHE EDITION : REL 5 SYC0-2069-0
30	STC0-3017-0			SYSTEM/370 SSS LOGIC MICROFICHE : VS1 REL 5 SYC0-3017-0
32	STC5-0005-0			OS/VS UTILITIES LOGIC MICROFICHE : REL 5 SYC5-0005-0
30	STC5-0008-0			OS/VS1 ACCESS METHOD SERVICES LOGIC MICROFICHE EDITION : REL 5 SYC5-0008-0
30	STC5-0012-0			OS/VS1 MSSC LOGIC MICROFICHE EDITION : REL 5 SYC5-0012-0
30	STC5-0015-0			OS/VS MSS SERVICES LOGIC MICROFICHE EDITION : REL 5 SYC5-0015-0
30	STC5-0016-0			OS/VS MSC TABLE CREATE LOGIC, VS1 REL 5 MICROFICHE EDITION SYC5-0016-0
99	STC7-1702-1			BATCH TRANSFER PROGRAM OS/VS1 LISTINGS SCP 5744-CG1 SYC7-1702-1
99	STD2-2028-0			OS/VS1 RELEASE 5741-SC1-17 - IMCJOBQD
99	STD2-2031-0			OS/VS1 RELEASE 1 5741-SC1-G0 - GAM
99	STD2-2038-0			OS/VS1 RELEASE 5741-SC1-CD - OBR/EREP/RDE

99	STD2-2043-0		OS/VS1 RELEASE 1 5741-SC1-13 - HMDPRDMP
99	STD2-2051-0		OS/VS1 RELEASE 1 5741-SC1-D5 - OCR
99	STD2-2100-0		OS/VS1 RELEASE 1 5741-SC1-DC - PASSWORD PROTECT
99	STD2-2105-0		OS/VS1 RELEASE 1 5741-SC1-BB - RES
99	STD2-2108-0		OS/VS1 RELEASE 5741-SC1-DD - 3505/3525 RDR
99	STD2-2111-1		OS/VS1 RELEASE 5741-SC1-C8 - NIP
37	GT00-0042-0		OS MACHINE CHECK HANDLER FOR S/370 MODEL 155, 165-PLM GY27-7198-0 OS 20.1
37	GT00-0045-0		OS MACHINE CHECK HANDLER FOR S/370 MODELS 135, AND 145 PLM GY27-7237-0 OS 20.1
34	GT00-0118-2		OS/VS SYSTEM MANAGEMENT FACILITITES SMF GC35-0004-2 VS1 RLL 3; VS2 REL 2
37	GT00-0119-0		OS/360 MACHINE CHECK HANDLER FOR S/370 MODEL 155, 165 PLM
37	GT00-0129-0		OS/VS MESSAGE LIBRARY: SERVICE AIDS AND OLTEP MESSAGES: VS2 REL 1.6, 1.7 GC38-1006-2
32	GT00-0130-2		OS/VS UTILITIES MESSAGES: VS 2 REL 1.6, 1.7 GC38-1005-2
34	GT00-0131-2		OS/VS1 SYSTEM GENERATION REFERENCE VS1 REL 2.6 GC26-3791-2
30	GT00-0132-2		OS/VS DATA MANAGEMENT MACRO INSTRUCTIONS: VS2 REL 1.6, 1.7 GC26-3793-2
40	GT00-0133-2		OS/VS ROUTING & DESCRIPTOR CODES: VS2 REL 1.6, 1.7 GC38-1004-2
34	GT00-0134-0		OS/VS SYSTEM MANAGEMENT FACILITIES: VS2 REL 1.6, 1.7, GC35-0004-4
37	GT00-0135-0		OS/VS SERVICE AIDS REFERENCE SUMMARY VS2 REL 1.6, 1.7 GX28-0634-1
39	GT00-0136-0		OS/VS2 COMMAND LANGUAGE REFERENCE SUMMARY VS2 REL 1.6, 1.7 GX28-0647-0
37	GT00-0137-0		OS/VS DSS COMMAND LANGUAGE REFERENCE SUMMARY: VS2 REL 1.6, 1.7 GX28-0690-0
30	ST00-0138-2		OS/VS OPEN/CLOSE/EOV LOGIC: VS2 REL 1.6, 1.7 SY26-3785-2
36	GT00-0140-0		OS/VS JCL SYNTAX REFERENCE SUMMARY: VS2 REL 1.6, 1.7 GX28-0619-1
36	GT00-0141-0		OS/VS JCL SERVICES: VS2 REL 1.6, 1.7 GC28-0617-2
40	GT00-0161-4		OS/VS MESSAGES LIBRARY: ROUTING AND DESCRIPTOR CODES: VS2 REL 2 GC38-1004-4
37	GT00-0166-2		OS/VS SERVICE AIDS REFERENCE SUMMARY: VS2 REL 2 GX28-0634-0
39	GT00-0167-1		OS/VS2 TSO COMMAND LANGUAGE REFERENCE SUMMARY: REL 2 GX28-0647-1
34	GT00-0170-5	**GN28-2568	OS/VS SYSTEM MANAGEMENT FACILITITES: VS2 REL 2 GC35-0004-5
32	GT00-0174-3		UTILITITES MESSAGES: VS2 REL 2 GC38-1005-3
34	GT00-0175-3		OS/VS2 SYSTEM GENERATION REFERENCE: REL 2 GC26-3792-3
31	GT00-0176-3		OS/VS LINKAGE EDITOR AND LOADER MESSAGES: VS2 REL 2 GC38-1007-3
30	GT00-0177-3		DATA MANAGEMENT SERVICES GUIDE: VS2 REL 2 GC26-3873-3
30	GT00-0178-3		DATA MANAGEMENT MACRO INSTRUCTION: VS2 REL 2 GC26-3793-3
30	ST00-0179-2		OS/VS2 I/O SUPERVISOR LOGIC: REL 2 SY26-3823-2
30	ST00-0181-2	**SN35-0011	OS/VS CATALOG MANAGEMENT LOGIC: VS2 REL 1.6/7 SY35-0003-2
36	ST00-0183-2		OS/VS2 CHECKPOINT/RESTART LOGIC: REL 2 SY26-3820-2
32	GT00-0184-3		OS/VS UTILITIES: VS2 REL 2 GC35-0005-3
30	GT00-0196-2		OS/VS VSAM PLANNING GUIDE: VS2 REL 1.6, 1.7 GC26-3799-2
40	GT00-0205-3		OPERATOR S LIBRARY: OS/VS CONSOLE CONFIGURATION: VS1 REL 4; VS2 REL 2, 3, 3.6 GC38-0120-3
40	GT00-0206-5		OS/VS1 SYSTEM CODES: REL 4 GC38-1003-5
40	GT00-0207-5		OS/VS MESSAGE LIBRARY: ROUTING AND DESCRIPTOR CODES: VS1 REL 4; VS2 REL 3, 3.6 GC38-1004-5
40	GT00-0208-5		OPERATOR S LIBRARY: OS/VS1 REFERENCE, REL 4 GC38-0110-6
30	GT00-0209-4		DATA MANAGEMENT SERVICES GUIDE: VS1 REL 4; VS2 REL 3, 3.6 GC26-3783-4
36	GT00-0210-4		OS/VS1 PROGRAMMER S REFERENCE DIGEST: REL 4 GC24-5091-4
37	GT00-0211-3		OS/VS1 DEBUGGING GUIDE: REL 4 GC24-5093-3
30	GT00-0212-2	**GN24-5498	OS/VS1 RES RTAM & ACCOUNT MESSAGES: REL 4 GC38-1010-2
40	GT00-0213-4		OS/VS1 SYSTEM MESSAGES: REL 4 GC38-1001-4
34	GT00-0214-4		OS/VS1 STORAGE ESTIMATES: REL 4 GC24-5094-4
34	GT00-0215-4		OS/VS1 PLANNING AND USE GUIDE: REL 4 GC24-5090-4
32	GT00-0216-4		UTILITIES MESSAGES: VS1 REL 4; VS2 REL 3, 3.6 GC38-1005-4
30	GT00-0217-4		DATA MANAGEMENT MACRO INSTRUCTIONS: VS1 REL 4; VS2 REL 3, 3.6 GC26-3793-4
30	ST00-0219-3	**SN24-5500	OS/VS1 I/O SUPERVISOR LOGIC MANUAL: REL 4 SY26-5156-3
38	GT00-0222-2	**GN24-5496	OS/VS1 RES SYSTEM PROGRAMMER S GUIDE: REL 4 GC28-6878-2
37	GT00-0223-0		OS/VS1 SERVICE AIDS REFERENCE SUMMARY: REL 4 GX23-0001-0
34	GT00-0229-5	**GN24-5508	OS/VS1 SYSTEM GENERATION REFERENCE: REL 4 GC26-3791-5
36	ST00-0230-4		OS/VS1 JOB MANAGEMENT LOGIC VOLS 1 & 2: REL 4 SY24-5161-4
30	ST00-0231-2		OS/VS1 RES RTAM AND WORKSTATION SUPPORT LOGIC: REL 4 SY28-6849-2
37	ST00-0232-2		OS/VS2 SERVICE AIDS LOGIC, REL 3, 3.6 SY28-0643-2
37	GT00-0238-2		OS/VS1 DEBUGGING HANDBOOK: VS2 REL 3, 3.6 GC28-0632-2
37	GT00-0239-0		OS/VS2 SERVICE AIDS REFERENCE SUMMARY: REL 3, 3.6 GX23-0002-0
30	GT00-0240-2	**GN26-0815	OS/VS VSAM OPTIONS FOR ADVANCED APPLICATIONS: VS2 REL 3, 3.6; VS1 REL 4 GC26-3819-2
39	GT00-0241-2		OS/VS2 TSO TERMINAL USER S GUIDE: REL 3, 3.6 GC28-0645-2
34	GT00-0242-6	**GN28-2594	OS/VS SYSTEM MANAGEMENT FACILITIES SMF : VS2 REL 3, 3.6 GC35-0004-6
40	GT00-0243-0	**GN28-2590	OS/VS2 SYSTEM MESSAGES: REL 3, 3.6 GC38-1002-3
36	GT00-0244-5	**GN26-0813	OS/VS CHECK POINT/RESTART: VS1 REL 4; VS2 REL 3, 3.6 GC26-3784-5
36	ST00-0245-3		OS/VS2 CHECKPOINT/RESTART LOGIC: REL 3, 3.6 SY26-3820-3
34	GT00-0246-3	**GN28-2596	OS/VS2 STORAGE ESTIMATES: REL 3, 3.6 GC28-0604-4
39	GT00-0247-2	**GN28-2602	OS/VS2 TSO COMMAND LANGUAGE REFERENCE: REL 3, 3.6 GC28-0646-2
40	GT00-0248-2		OS/VS2 SYSTEM CODES: REL 3, 3.6 GC38-1008-2
39	GT00-0249-2		OS/VS2 TSO COMMAND LANGUAGE REFERENCE SUMMARY: REL 3, 3.6 GX28-0647-2

34	GT00-0251-4			OS/VS2 SYSTEM GENERATION REFERENCE: REL 3, 3.6 GC26-3792-4
40	GT00-0252-3			OPERATOR S LIBRARY: OS/VS2 REFERENCE JES2: REL 3, 3.6 GC38-0210-3
30	GT00-0257-0			OS/VS2 MVS VTAM CONTROL BLOCK OVERVIEW: RELEASE 3, 3.6 GX27-0031-0
36	GT00-0259-3			VM/370 REL 2 QUICK GUIDE FOR USERS REFERENCE SUMMARY GX20-1926-3
36	GT00-0260-1			VM/370 REL 2 COMMANDS REFERENCE SUMMARY GX20-1961-1
39	**GT00-0263-3			OS/MVT & OS/VS2 TSO TERMINALS: MVT REL 21.6,21.7 LEV 4 TCAM; VS2 REL 1.6,2,3 LEV 8 TCAM GC28-6762-3
36	GT00-0265-3	**GN33-8801		DOS/VS POWER/VS REFERENCE SUMMARY: REL 32 GX33-9004-3
34	GT00-0266-4			DOS/VS SYSTEM MANAGEMENT GUIDE: REL 32 GC33-5371-4
36	GT00-0267-3			DOS/VS SYSTEM CONTROL STATEMENTS: REL 32 GC33-5376-3
30	GT00-0268-0			DOS/VS VTAM REFERENCE SUMMARY: REL 32 GX27-0033-0
30	ST00-0269-3			DOS/VS LIOCS VOL. 4: VSAM LOGIC: REL 32 SY33-8562-3
20	GT00-0270-3	**GN33-9202	**GN33-8800	INTRODUCTION TO DOS/VS REL 32 GC33-5370-3
34	GT00-0271-4			DOS/VS SYSTEM GENERATION: REL 32 GC33-5377-4
40	GT00-0272-2	**GN33-9177	**GN33-9180	DOS/VS OPERATING PROCEDURES: REL 32 GC33-5378-2
		**GN33-9184		
		**GN33-9181	**GN33-9176	
37	GT00-0273-3			DOS/VS MESSAGES: REL 32 GC33-5379-3
40	GT00-0276-6			OS/VS1 SYSTEM CODES: REL 5 GC38-1003-6
40	GT00-0277-6			OPERATOR S LIBRARY: OS/VS1 REFERENCE: REL 5 GC38-0110-6
36	GT00-0278-2			OS/VS1 JCL SERVICES: REL 5 GC24-5100-2
40	GT00-0280-4			OPERATOR S LIBRARY: OS/VS CONSOLE CONFIGURATIONS: VS1 REL 5 GC38-0120-4
30	GT00-0281-3			OS/VS1 RES RTAM & ACCOUNT MESSAGES: REL 5 GC38-1010-3
36	ST00-0282-3	**SN24-5511		OS/VS1 IPL AND NIP LOGIC: REL 4; WITH SN24-5511, REL 5 SY24-5160-3
40	GT00-0283-6	**GN24-5521		OS/VS ROUTING & DESCRIPTOR CODES: VS1 REL 5 GC38-1004-6
38	GT00-0284-2			OS/VS1 RES WORK STATION USER S GUIDE: REL 5 GC28-6879-2
40	GT00-0285-5	**GN24-5551		OS/VS1 SYSTEM MESSAGES: REL 5 GC38-1001-5
36	ST00-0286-4			OS/VS1 SYSTEM DATA AREAS: REL 5 SY28-0605-4
36	GT00-0287-2			OS/VS1 JCL REFERENCE: REL 5 GC24-5099-2
36	GT00-0288-2			VM/370 CP & CMS COMMANDS REFERENCE SUMMARY: REL 3 PLC1 GX20-1961-2
36	GT00-0289-4			VM/370 REL 3 PLC1 QUICK GUIDE FOR USERS REFERENCE SUMMARY GX20-1926-4
38	GT00-0290-3			OS/VS1 RES SYSTEM PROGRAMMER S GUIDE: REL 5 GC28-6878-3
34	GT00-0291-6			OS/VS1 SYSTEM GENERATION REFERENCE: REL 5 GC26-3791-6
40	GT00-0292-2			SYSTEM/370 SSS LEVEL 3.1 MESSAGES: SVS REL 1.7; DOS/VS REL 32; MVS; VS1 REL 5 GC38-1011-2
34	GT00-0293-5			OS/VS1 STORAGE ESTIMATES: REL 5 GC24-5094-5
30	ST00-0294-2	**SN26-0814		OS/VS1 OPEN/CLOSE/EVO LOGIC: REL 4; WITH SN26-0814, REL 5 SY26-3839-2
30	ST00-0295-4			OS/VS1 I/O SUPERVISOR LOGIC: REL 5 SY24-5156-4
34	GT00-0296-5			OS/VS1 PLANNING & USE GUIDE: REL 5 GC24-5090-5
30	ST00-0297-3			OS/VS1 RES RTAM & WORKSTATION SUPPORT LOGIC: REL 5 SY28-6849-3
36	ST00-0298-4	**SN24-5483		OS/VS1 SUPERVISOR LOGIC: REL 4; WITH SN24-5483 REL 5 SY24-5155-4
30	ST00-0299-3	**SN27-1520		SYSTEM/370 SSS LEVEL 3.1 LOGIC: VS2 REL 1.7, 3, 3.6; VS1 REL 5; DOS/VS REL 32 SY30-3017-3
30	GT00-0300-3	**GN27-1521		SYSTEM/370 SSS LEVEL 3.1 USER S GUIDE: VS2 REL 1.7, 3, 3.6; VS1 REL 4, 5; DOS/VS REL 32 GC30-3022-3
36	GT00-0304-6	**GN26-0832	**GN26-0842	OS/VS CHECK POINT/RESTART: VS1 REL 5 GC26-3784-6
30	GT00-0307-4			SYSTEM/370 SSS LEVEL 4 USER S GUIDE GC30-3022-4
37	ST00-0309-3	**SN25-0135	**SN25-0130	OS/VS2 SERVICE AIDS LOGIC: REL 3.7 SY28-0643-3
		**SN25-0128	**SN27-1517	
30	ST00-0310-2	**SN26-0848	**SN26-0872	OS/VS2 ACCESS METHOD SERVICES LOGIC: REL 3.7 SY35-0010-2
31	ST00-0311-2	**SN33-8786	**SN33-8811	DOS/VS LIBRARIAN LOGIC RELEASE 33 SY33-8557-2
		**SN33-9197		
40	GT00-0312-0	**GN28-2717	**GN28-2714	OS/VS2 SYSTEM MESSAGES LIBRARY UNCOLLATED GC38-1002-04
		**GN28-2721	**GN28-2649	VS2 REL 3.7
		**GN28-2632	**GN28-2754	
40	GT00-0313-0			DOS/VS OPERATING PROCEDURES REL. 33 GC33-5378-3
36	ST00-0314-0	**SN33-9193		DOS/VS TRANSIENTS LOGIC REL. 33 SY33-8553-2
40	GT00-0315-0			OS/VS MESSAGE LIBRARY: VS1-6 SYSTEM MESSAGES GC38-1001-6
37	ST00-0316-0	**SN33-9194		DOS/VS SYSTEM SERVICEABILITY AIDS LOGIC REL. 33 SY33-8554-2
50	ST00-0317-0	**SN20-9153	**SN20-9256	IMS/VS VERSION 1 MESSAGES & CODES REFERENCE MANUAL SH20-9030-4 VER 1.1.2
50	ST00-0318-0	**SN20-9151	**SN20-9254	IMS/VS V1 OPERATOR S REFERENCE SH20-9028-2 REL 1.2
50	GT00-0319-0	**GN20-9147	**GN20-9252	IMS/VS V1 GENERAL INFORMATION SH20-1260-4 REL 1.2
30	ST00-0320-0			DOS/VS LIOCS VOLUME 4 VSAM LOGIC SY33-8562-4 DOS 33
30	GT00-0321-0			DOS/VS ACCESS METHOD SERVICES USER S GUIDE GC33-5382-04 DOS/VS REL 33
36	GT00-0323-0			DOS/VS SYSTEM CONTROL STATEMENTS REL 33 GC33-5376-04
34	GT00-0324-0			DOS/VS SYSTEM MANAGEMENT GUIDE REL 33 GC33-5371-05
50	ST00-0325-0	**SN20-9150		IMS/VS VER 1 SYSTEM PROGRAMMING REFERENCE MANUAL REL 1.2 SH20-9027-04
50	LT00-0327-0	**LN20-9155	**LN20-9260	IMS/VS VERSION 1 LOGIC, VOLUME 1 OF 3 LY20-8004-5 REL 1.2
30	GT00-0328-0	**GN33-9187		DOS/VS SUPERVISOR & I/O MACROS GC33-5373-04 REL DOS 33
37	GT00-0329-0	**GN33-8805	**GN33-8815	DOS/VS SERVICEABILITY AIDS & DEBUGGING PROCEDURES GC33-5380-02 REL 33
		**GN33-9190		
		**SN33-9198		
30	ST00-0330-0			DOS/VS LIOCS VOLUME 1 GENERAL INFORMATION AND IMPERATIVE MACROS LOGIC DOS/VS REL 33 SY33-8559-02
36	GT00-0358-0			DOS/VS POWER/VS REFERENCE SUMMARY REL 33 GC33-9004-04
40	GT00-0359-0			DOS/VS MESSAGES REL 33 GC33-5379-4
20	GT00-0360-0			INTRODUCTION TO DOS/VS: REL 33 GC33-5370-4
34	GT00-0361-0			DOS/VS SYSTEM GENERATION REL 33 GC33-5377-05
36	**GT00-0369-0	**GN28-2702	**GN28-2703	OS/VS2 JCL GC28-0692-2
		**GN28-2648	**GN28-2711	
37	**GT00-0371-0	**GN25-0314	**GN25-0312	OS/VS2 MVS PROG LIB SYS1.LOGREC ERROR GC28-0677-3
		**GN25-0322	**GN25-0325	

34	**GT00-0373-0	**GN26-0874 **GN26-0861 **GN26-0839 **GN26-0855	**GN26-0833 **GN26-0879	OS/VS2 SYSTEM PROGRAMMING LIBRARY: SYSTEM GENERATION REFERENCE REL 3.7 GC26-3792-5
30	**GT00-0374-0	**GN26-0855	**GN26-0849	OS/VS SYSTEM PROGRAMMING LIBRARY: DATA MANAGEMENT REL 3.7 GC26-3830-2
99	ST00-5000-2			IPL 5741-SC1-C1 OS/VS1 MICROFICHE RELEASE 2.6
99	ST00-5002-2			SUPERVISOR 5741-SC1-C5 OS/VS1 MICROFICHE RELEASE 2.6
99	ST00-5004-1			INDEX OS/VS1 MICROFICHE RELEASE 2.6
99	ST00-5020-2			MSI 5741-SC1-BG OS/VS1 MICROFICHE RELEASE 2.6
99	ST00-5021-2			IMC JOBQD 5741-SC1-17 OS/VS1 MICROFICHE RELEASE 2.6
99	ST00-5036-1			OCR 5741-SC1-D5 OS/VS1 MICROFICHE RELEASE 2.6
99	ST00-5043-2			PAM 5741-SC1-D2 OS/VS1 MICROFICHE RELEASE 2.6
99	ST00-5073-1			RES 5741-SC1-BB OS/VS1 MICROFICHE RELEASE 2.6
99	ST00-5157-3			IEBCMPR 5741-SC1-UK OS/VS1 MICROFICHE RELEASE 3.0
99	**ST00-5158-3			REL 4,5 IEBISAM 5741-SC1-UH VS1 LISTING SJD2-2090-3
99	ST00-5159-3			IEBDG 5741-SC1-UJ OS/VS1 MICROFICHE RELEASE 3.0
99	ST00-5160-3			IEHMOVE 5741-SC1-UC OS/VS1 MICROFICHE RELEASE
99	ST00-5161-3			IEHPRGM 5741-SC1-U3 OS/VS1 MICROFICHE RELEASE 3.6
99	ST00-5162-3			IEHINIT 5741-SC1-UD OS/VS1 MICROFICHE RELEASE 3.0
99	ST00-5163-2			IEHSTATR 5741-SC1-UE OS/VS1 MICROFICHE RELEASE 3.0
99	ST00-5164-3			CATALOG 5741-SC1-D3 OS/VS1 MICROFICHE RELEASE 3.0
99	ST00-5165-1			PASSWORD PROTECT 5741-SC1-DC OS/VS1 MICROFICHE RELEASE 2.6 & 3.0
99	ST00-5166-3			TAPE ERP/VES 5741-SC1-CC OS/VS1 MICROFICHE RELEASE 3.0
99	ST00-5167-0			IEBEDIT 5741-SC1-U9 OS/VS1 MICROFICHE RELEASE 2.6 & 3.0
99	ST00-5168-2			RES 5741-SC1-BB OS/VS1 MICROFICHE RELEASE 3.0
99	ST00-5169-2			HMPDRMP EDIT 5741-SC1-18 OS/VS1 MICROFICHE RELEASE 3.0
99	**ST00-5170-1			REL 4,5 RES ACCT FACILITY 5741-SC1-BC VS1 LISTING SJD2-2107-1
99	ST00-5171-2			3505/3525 RDR/PCH 5741-SC1-DD OS/VS1 MICROFICHE RELEASE 3.0
99	ST00-5172-2			NIP 5741-SC1-C8 OS/VS1 MICROFICHE RELEASE 3.0
99	ST00-5173-1			IDCAMS 5741-SC1-DK OS/VS1 MICROFICHE RELEASE 3.0
99	ST00-5174-0	**SSCO-7615		3890 - DOC PROC 5741-SC1-DF OS/VS1 MICROFICHE RELEASE 3.0
99	ST00-5175-0			3886 OCR 5741-SC1-DL OS/VS1 MICROFICHE RELEASE 3.0
99	ST00-5176-1			STATUS 5741-SC1-DL MICROFICHE OS/VS1 RELEASE 3.0
99	ST00-5177-1			VSAM 5741-SC1-DE MICROFICHE OS/VS1 RELEASE 3.0
99	ST00-5203			MAPPING MACROS COMPONENT NO. 5741-SC1-01 OS/VS1 RELEASE 3.1
99	ST00-5209-4	**SSCO-7002		ALLOCATION COMPONENT NO. 5741-SC1-B4 OS/VS1 RELEASE 3.1
99	ST00-5218-4			HMASPZAP COMPONENT NO. 5741-SC1-12 OS/VS1 RELEASE 3.1
99	ST00-5229-3			IEHSTATR COMPONENT NO. 5741-SC1-UE OS/VS1 RELEASE 3.1
99	ST00-5230-2			PASSWORD PROTECT COMPONENT NO. 5741-SC1-DC OS/VS1 RELEASE 3.1
99	ST00-5231-4			RES COMPONENT NO. 5741-SC1-CC OS/VS1 RELEASE 3.1
99	ST00-5232-1			IEBEDIT COMPONENT NO. 5741-SC1-U9 OS/VS1 RELEASE 3.1
99	ST00-5233-3			RES COMPONENT NO. 5741-SC1-BB OS/VS1 RELEASE 3.1
99	ST00-5234-2			LX F/P SIMULATOR COMPONENT NO. 5741-SC1-CP OS/VS1 RELEASE 3.1
99	ST00-5235-3	**SSCO-7410		NIP COMPONENT NO. 5741-SC1-C8 OS/VS1 RELEASE 3.1
99	ST00-5236-0	**SSCO-6050	**SSCO-6051	VTAM COMPONENT NO. 5741-SC1-23 OS/VS1 RELEASE 3.1
99	ST00-5237-2	**SSCO-7010		IDCAMS COMPONENT NO. 5741-SC1-DK OS/VS1 RELEASE 3.1
99	ST00-5238-1	**SSCO-7616		3890 DOC PROC COMPONENT NO. 5741-SC1-DG OS/VS1 RELEASE 3.1
99	ST00-5239-1	**SSCO-7620		3886 OCR COMPONENT NO. 5741-SC1-DL OS/VS1 RELEASE 3.1
99	ST00-5240-2	**SSCO-7597		VSAM COMPONENT NO. 5741-SC1-DE OS/VS1 RELEASE 3.1
99	ST00-5243			TCAM COMPONENT NO. 5741-SC1-21 OS/VS1 RELEASE 3.1
99	ST00-5245-1			IMCOSJQD COMPONENT NO. 5741-SC1-19 OS/VS1 RELEASE 3.1
99	ST00-5249-4			SYSTEM LOG. COMPONENT NO. 5741-SC1-BE OS/VS1 RELEASE 3.1
99	ST00-5250-3			SYSTEM STATUS COMPONENT NO. 5741 OS/VS1 RELEASE 3.1
99	ST00-5290			3600 FINANCE COMM. SYSTEM LISTINGS - DOS/VS RELEASE 30 - COMPONENT NO. 5745-SC-124
99	ST00-5301-4			REL 4 IPL 5741-SC1-C1 VS1 LISTING SJD2-2000-4
99	ST00-5302-5	**SSCO-6055		REL 4 IOS 5741-SC1-C3 VS1 LISTING SJD2-2001-5
99	ST00-5303-5	**SSCO-6056		REL 4 SUPERVISOR 5741-SC1-C5 VS1 LISTING SJD2-2002-5
99	ST00-5304-2			REL 4 MAPPING MACROS 5741-SC1-01 VS1 LISTING SJD2-2003-2
99	ST00-5305-5			REL 4 SCHEDULER-SMF 5741-SC1-00 VS1 LISTING SJD2-2009-5
99	**ST00-5306-5			REL 4 JECS 5741-SC1-B0 VS1 LISTING SJD2-2014-5
99	ST00-5307-5	**SSCO-6049		REL 4 I/P STREAM CTL 5741-SC1-B1 VS1 LISTING SJD2-2015-5
99	ST00-5308-5	**SSCO-6087		REL 4 O/P STREAM CTL 5741-SC1-B2 VS1 LISTING SJD2-2016-5
99	ST00-5309-5	**SSCO-6052		REL 4 SYSTEM RESTART 5741-SC1-B3 VS1 LISTING SJD2-2017-5 RELEASE 4.0
99	ST00-5310-5	**SSCO-6053		REL 4 ALLOCATION 5741-SC1-B4 VS1 LISTING SJD2-2018-5
99	ST00-5311-5			REL 4 SWADS MANAGER 5741-SC1-B5 VS1 LISTING SJD2-2019
99	ST00-5312-5	**SSCO-6088		REL 4 INITIATOR 5741-SC1-B6 VS1 LISTING SJD2-2020-5
99	ST00-5313-5			REL 4 TERMINATION 5741-SC1-B7 VS1 LISTING SJD2-2021-5
99	ST00-5314-5	**SSCO-6054		REL 4 COMMANDS 5741-SC1-B8 VS1 LISTING SJD2-2022-5
99	ST00-5315-5			REL 4 INTERPRETER 5741-SC1-B9 VS1 LISTING SJD2-2023-5
99	ST00-5316-5			REL 4 RESTART RDR/DSDR PROCESSING 5741-SC1-BD VS1 LISTING SJD2-2024-5
99	ST00-5317-5	**SSCO-6047		REL 4 SYSTEM LOG 5741-SC1-BE VS1 LISTING SJD2-2024-5
99	**ST00-5318-4			REL 4 WTP 5741-SC1-BF VS1 LISTING SJD2-2026-4
99	ST00-5319-4			REL 4 MSI 5741-SC1-BG VS1 LISTING SJD2-2027-4
99	ST00-5320-5	**SSCO-6038		REL 4 HMASPZAP 5741-SC1-12 VS1 LISTING SJD2-2042-5
99	ST00-5321-4			REL 4 OCR 5741-SC1-D5 VS1 LISTING SJD2-2051-4
99	ST00-5322-3			REL 4 IEBCRN 5741-SC1-UG VS1 LISTING SJD2-2053-3
99	**ST00-5323-5	**SSCO-6075		REL 4 PAM 5741-SC1-D2 VS1 LISTING SJD2-2059-5
99	ST00-5324-3			REL 4 DASD-ERP 5741-SC1-CA VS1 LISTING SJD2-2067-3
99	ST00-5325-5	**SSCO-6033		REL 4 LINKAGE EDITOR 5741-SC1-04 VS1 LISTING SJD2-2068-5
99	ST00-5326-4			REL 4 IBCDMPRS 5741-SC1-10 VS1 LISTING SJD2-2077-4
99	ST00-5327-4			REL 4 IBCDASDI 5741-SC1-11 VS1 LISTING SJD2-2078-4
99	ST00-5328-1			REL 4 IEHIOSUP 5741-SC1-U1 VS1 LISTING SJD2-2081-1
99	ST00-5329-3	**SSCO-6062		REL 4 IEHATLAS 5741-SC1-UF VS1 LISTING SJD2-2082-3
99	ST00-5330-4			REL 4 IEHSTATR 5741-SC1-UE VS1 LISTING SJD2-2098-4
99	ST00-5331-3	**SSCO-6072		REL 4 PASSWORD PROTECT 5741-SC1-DC VS1 LISTING SJD2-2100-3

99	ST00-5332-2		REL 4	IEBLDIT 5741-SC1-U9 VS1 LISTING SJD2-2102-2
99	ST00-5333-4	**SSCO-6046	REL 4	RES 5741-SC1-BB VS1 LISTING SJD2-2105-4
99	ST00-5334-3		REL 4	F/P SIMULATOR 5741-SC1-CP VS1 LISTING SJD2-2110-3
99	ST00-5335-4	**SSCO-6057	REL 4	NIP 5741-SC1-C8 VS1 LISTING SJD2-2111-4
99	ST00-5336-1	**SSCO-6081	REL 4	VTAM 5741-SC1-23 VS1 LISTING SJD2-2113-1
99	ST00-5337-2		REL 4	3890 DOC PROC 5741-SC1-DF VS1 LISTING SJD2-2115-2
99	ST00-5338-2		REL 4	3886 OCR 5741-SC1-DL VS1 LISTING SJD2-2116-2
99	ST00-5339-2	**SSCO-6048	REL 4	ISSP 5741-SC1-BK VS1 LISTING SJD2-2122-2
99	ST00-5340-2		REL 4	IMCOSJQD 5741-SC1-19 VS1 LISTING SJD2-2129-2
99	ST00-5341-0	**SSCO-6089	REL 4	3540 DISKETTE 5741-SC1-DN SJD2-2131-0
99	ST00-5342-0	**SSCO-6044	REL 4	TOLTEP 5741-SC1-0C VS1 LISTING SJD2-2134-0
		**SSCO-7250		
		**SSCO-7251		
		**SSCO-6031		
99	ST00-5343-0		REL 4	DSM ERP 5741-SC1-CI VS1 LISTING SJD2-2139-0
99	ST00-5344-2		REL 4	JOB LIST MGR 5741-SC1-BJ VS1 LISTING SJD2-2140-2
99	ST00-5345-0		REL 4	MSCTC 5741-SC1-DQ VS1 LISTING SJD2-2141-0
99	ST00-5346-0		REL 4	MSSDA 5741-SC1-DS VS1 LISTING SJD2-2143-0
99	ST00-5347-4	**SSCO-6035	REL 4	IEHDASDR 5741-SC1-U0 VS1 LISTING SJD2-2080-4
		**SSCO-6027		
99	**ST00-5349-5		REL 4	FETCH 5741-SC1-C7 VS1 LISTING SJD2-2055-5
99	**ST00-5350-0		REL 4	TRACE 5741-SC1-DT VS1 LISTING SJD2-2144-0
99	**ST00-5351-5		INDEX	VS1 LISTING SJD2-2004-5
99	ST00-5352-4		STATUS	VS1 LISTING SJD2-2117-4
99	**ST00-5365-5		REL 5	IPL 5741-SC1-C1 VS1 LISTING SJD2-2000-5
99	**ST00-5366-6		REL 5	JECS 5741-SC1-B0 VS1 LISTING SJD2-2014-6
99	**ST00-5367-6	**SSCO-6148	REL 5	INPUT STREAM CTL 5741-SC1-B1 VS1 LISTING SJD2-2015-6
99	**ST00-5368-6	**SSCO-6149	REL 5	O/P STREAM CTL 5741-SC1-B2 VS1 LISTING SJD2-2016-6
99	**ST00-5369-6		REL 5	SYSTEM RESTART 5741-SC1-B3 VS1 LISTING SJD2-2017-6
99	**ST00-5370-6		REL 5	SWADS MANAGER 5741-SC1-B5 VS1 LISTING SJD2-2019-6
99	**ST00-5371-6	**SSCO-6152	REL 5	TERMINATION 5741-SC1-B7 VS1 LISTING SJD2-2021-6
99	**ST00-5372-6	**SSCO-6153	REL 5	COMMANDS 5741-SC1-B8 VS1 LISTING SJD2-2022-6
99	**ST00-5373-6	**SSCO-6154	REL 5	INTEPRETER 5741-SC1-B9 VS1 LISTING SJD2-2023-6
99	**ST00-5374-5	**SSCO-6146	REL 5	WTP 5741-SC1-BF VS1 LISTING SJD2-2026-5
99	**ST00-5375-4	**SSCO-6042	REL 4, 5	GTF 5741-SC1-11 VS1 LISTING SJD2-2041-4
99	**ST00-5376-6		REL 5	HMASPZAP 5741-SC1-12 VS1 LISTING SJD2-2042-6
99	**ST00-5379-3		REL 4, 5	HMAPTFLE 5741-SC1-16 VS1 LISTING SJD2-2045-3
99	**ST00-5380-4	**SSCO-6005	REL 4, 5	OLTEP 5741-SC1-06, VS1 LISTING SJD2-2046-4
		**SSCO-6761		
99	**ST00-5381-6		REL 5	FETCH 5741-SC1-C7 VS1 LISTING SJD2-2055-6
99	**ST00-5382-4		REL 5	IEHATLAS 5741-SC1-UF VS1 LISTING SJD2-2082-4
99	**ST00-5384-3		REL 5	IEBEDIT 5741-SC1-U9 VS1 LISTING SJD2-2102-3
99	**ST00-5385-3	**SSCO-6110	REL 4, 5	HMDPRDMP EDIT 5741-SC1-18 VS1 LISTING SJD2-2106-3
99	**ST00-5386-3	**SSCO-6155	REL 5	3890 DOC PROC 5741-SC1-DF VS1 LISTING SJD2-2115-3
99	**ST00-5387-1	**SSCO-6045	REL 4, 5	HMASMP 5741-SC1-30 VS1 LISTING SJD2-2120-1
99	**ST00-5388-1		REL 4, 5	POWER WARNING FEATURE 5741-SC1-0E VS1 LISTING SJD2-2121-1
99	**ST00-5389-3	**SSCO-6147	REL 5	ISSP 5741-SC1-BK VS1 LISTING SJD2-2122-3
99	**ST00-5390-3	**SSCO-6159	REL 5	IMCOSJQD 5741-SC1-19 VS1 LISTING SJD2-2129-3
99	**ST00-5391-1	**SSCO-6156	REL 5	3540 DISKETTE 5741-SC1-DN VS1 LISTING SJD2-2131-1
99	**ST00-5392-1		REL 5	DSM ERP 5741-SC1-CI VS1 LISTING SJD2-2139-1
99	**ST00-5393-3		REL 5	JOB LIST MGR 5741-SC1-BJ VS1 LISTING SJD2-2140-3
99	**ST00-5400-3	**SSCO-6129	REL 4, 5	HMBLIST 5741-SC1-14 VS1 LISTING SJD2-2076-3
99	**ST00-5401-4	**SSCO-6039	REL 4, 5	CRJE 5741-SC1-0A VS1 LISTING SJD2-2084-4
		**SSCO-6172		
99	**ST00-5402-5	**SSCO-6085	REL 4, 5	TAPE ERP/VES 5741-SC1-CC VS1 LISTING SJD2-2101-5
99	**ST00-5403-5	**SSCO-6194	REL 5	RES 5741-SC1-BB VS1 LISTING SJD2-2105-5
99	**ST00-5404-3	**SSCO-6013	REL 4, 5	3505/3525 RDR/PCH 5741-SC1-DD VS1 LISTING SJD2-2108-3
99	**ST00-5405-5		REL 5	NIP 5741-SC1-C8 VS1 LISTING SJD2-2111-5
99	**ST00-5406-1	**SSCO-7311	REL 4, 5	TCAM 5741-SC1-21 VS1 LISTING SJD2-2124-1
		**SSCO-7312		
		**SSCO-6058		
99	**ST00-5407-1	**SSCO-6058	REL 4, 5	SYSGEN 5741-SC1-S1 VS1 LISTING SJD2-2128-1
99	**ST00-5408-0	**SSCO-6112	REL 4, 5	MSSC 5741-SC1-DP VS1 LISTING SJD2-2132-0
99	**ST00-5409-1	**SSCO-6163	REL 5	MSCTC 5741-SC1-DQ VS1 LISTING SJD2-2141-1
99	**ST00-5410-0	**SSCO-6113	REL 4, 5	MSVC 5741-SC1-DR VS1 LISTING SJD2-2142-0
99	**ST00-5411-1	**SSCO-6165	REL 5	MSSDA 5741-SC1-DS VS1 LISTING SJD2-2143-1
99	**ST00-5412-1		REL 5	TRACE 5741-SC1-DT VS1 LISTING SJD2-2144-1
99	**ST00-5413-0		REL 5	MSS RECOVERY MGMT SC1-BZ VS1 LISTING SJD2-2148-0
99	**ST00-5416-6		REL 5	PAM 5741-SC1-D2 VS1 LISTING SJD2-2059-6
99	**ST00-5417-4		REL 5	DASD - ERP 5741-SC1-CA VS1 LISTING SJD2-2067-4
99	**ST00-5418-6		REL 5	LINKAGE EDITOR 5741-SC1-04 VS1 LISTING SJD2-2068-6
99	**ST00-5419-5		REL 5	IBCDMPRS 5741-SC1-I0 VS1 LISTING SJD2-2077-5
99	**ST00-5420-5		REL 5	IBCDASDI 5741-SC1-I1 VS1 LISTING SJD2-2078-5
99	**ST00-5422-5		REL 5	IEHDASDR 5741-SC1-U0 VS1 LISTING SJD2-2080-5
99	**ST00-5423-2		REL 5	IEHIOSUP 5741-SC1-U1 VS1 LISTING SJD2-2081-2
99	**ST00-5424-4	**SSCO-6098	REL 4, 5	IEBPTPCH 5741-SC1-UA VS1 LISTING SJD2-2088-4
99	**ST00-5425-4	**SSCO-6101	REL 4, 5	IEBCOMPR 5741-SC1-UK VS1 LISTING SJD2-2089-4
99	**ST00-5426-4	**SSCO-6083	REL 4, 5	IEBDG 5741-SC1-UJ VS1 LISTING SJD2-2091-4
99	**ST00-5427-4	**SSCO-6136	REL 4, 5	SMF 5741-SC1-02 VS1 LISTING SJD2-2094-2
		**SSCO-6025		
		**SSCO-6185		
99	**ST00-5428-2		REL 5	VTAM 5741-SC1-23 VS1 LISTING SJD2-2113-2
99	**ST00-5429-3		REL 5	3886 OCR 5741-SC1-DL VS1 LISTING SJD2-2116-3
99	**ST00-5430-3	**SSCO-6068	REL 4, 5	VSAM 5741-SC1-DE VS1 LISTING SJD2-2118-3
		**SSCO-6138		
99	**ST00-5431-2	**SSCO-6123	REL 4, 5	SSS HOST SUPPORT 5741-SC1-SS SJD2-2133-2
		**SSCO-6161		
99	**ST00-5433-3	**SSCO-6189	REL 4, 5	IDCAMS 5741-SC1-DK VS1 LISTING SJD2-2114-3
		**SSCO-6034		
		**SSCO-6167		
99	**ST00-5434-0	**SSCO-6167	REL 4, 5	SERV 5741-SC1-DU VS1 LISTING SJD2-2145-0
99	**ST00-5435-0		REL 5	IEBIMAGE 5741-SC1-UM VS1 LISTING SJD2-2149-0
99	**ST00-5437-1		REL 5	TOLTEP 5741-SC1-0C VS1 LISTING SJD2-2134-1
99	**ST00-5438-4	**SSCO-6092	REL 4, 5	OVERLAY SUPERVISOR 5741-SC1-C2 VS1 LISTING SJD2-2056-4
99	**ST00-5440-0		REL 5	COMPONENT INDEX 5741-SC1-ZZ VS1 LISTING SJD2-2147-0

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34	GT20-1801-5	**GN20-2683		VM/370 PLANNING & SYSGEN GUIDE: REL 3 PLC1 GC20-1801-5
36	GT20-1804-4			VM/370 REL 2 COMMAND LANGUAGE GUIDE FOR GENERAL USERS GC20-1804-4
36	GT20-1805-4			VM/370 REL 2 EDIT GUIDE GC20-1805-4
40	GT20-1806-6	**GN20-2681		VM/370 REL 3 PLC1 OPERATOR S GUIDE GC20-1806-6
36	GT20-1807-3	**GN20-2662		VM/370 REL 2 SYSTEM PROGRAMMER S GUIDE GC20-1807-3
40	GT20-1808-5			VM/370 SYSTEM MESSAGES: REL 2 GC28-1808-5
37	GT20-1809-4	**GN20-2684		VM/370 REL 3 PLC1 OLTSEP & ERROR RECORDING GUIDE GC20-1809-4
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36	GT20-1812-1			VM/370 REL 2 EXEC USER S GUIDE GC20-1812-1
20	GT20-1813-2			VM/370 GLOSSARY AND MASTER INDEX: REL 2 GC20-1813-2
34	GT20-1815-1			VM/370 RELEASE 2 GUIDE GC20-1815-0
30	GT20-1816-0	**GN20-2670	**GN20-2673	VM/370 RSCS USER S GUIDE: RELEASE 2 GC20-1816-0
36	GT20-1820-0			VM/370 CP COMMAND REFERENCE FOR GENERAL USERS: REL 3 PLC1 GC20-1820-0
34	GT20-1821-0			VM/370 REL 3 PLC1: OPERATING SYSTEMS IN A VIRTUAL MACHINE GC20-1821-0
37	GT20-1823-0	**GN20-2680	**GN20-2679	VM/370 IPCS USER S GUIDE GC20-1823-0: REL 2; WITH GN20-2679, REL 3
30	GT21-5097-0			OS & OS/VS PROGRAMMING SUPPORT FOR 3505 CARD READER & 3525 CARD PUNCH: VS2 REL 1.6, 1.7, 2 GC21-5097-0
34	GT24-5090-0	**GN24-5454		OS/VS1 PLANNING AND USE GUIDE - PROGRAM NUMBER 5741
36	GT24-5091-2			OS/VS PROGRAMMER S REFERENCE DIGEST: VS2 REL 1.6, 1.7 GC24-5091-2
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
30	GT24-5107-0	**GN24-5478		OS/VS2 3540 PROGRAMMER S REFERENCE: REL 1.6, 1.7, 2 GC24-5107-0
34	GT24-5115-0			OS/VS1 SYSTEM MANAGEMENT FACILITIES: REL 5 GC24-5115-0
30	GT26-3783-3			OS/VS DATA MANAGEMENT SERVICES GUIDE: VS2 REL 1.6, 1.7 GC26-3783-2
36	GT26-3784-2			OS/VS CHECKPOINT RESTART: VS2 REL 1.6, 1.7 GC26-3754-2
34	GT26-3790-1			OS/VS SYSTEM GENERATION INTRODUCTION: VS 2 REL 1.6, 1.7 GC26-3790-1
34	GT26-3791-0			OS/VS1 SYSTEM GENERATION REFERENCE
34	GT26-3792-0	**GN26-0760		OS/VS2 SYSTEM GENERATOR REFERENCE
30	GT26-3795-1			OS/VS TAPE LABELS: VS2 REL 1.6, 1.7 GC26-3795-1
31	GT26-3813-1			OS/VS LINKAGE EDITOR AND LOADER: VS2 REL 1.6, 1.7 GC26-3813-1
30	GT26-3818-0			OS/VS VSAM PROGRAMMER S GUIDE: VS2 REL 1.6, 1.7 GC26-3818-0
30	GT26-3819-0			OS/VS VSAM OPTIONS FOR ADVANCED APPLICATIONS: VS2 REL 1.6, 1.7 GC26-3819-0
30	GT26-3830-0			OS/VS2 DATA MANAGEMENT: REL 2 GC26-3830-0
30	GT26-3836-1			OS/VS2 ACCESS METHOD SERVICES: REL 2 GC26-3836-1
30	GT26-3838-0			OS/VS VSAM PROGRAMMER S GUIDE: VS2 REL 2 GC26-3838-0
30	GT26-3840-0			OS/VS1 ACCESS METHOD SERVICES: REL 4 GC26-3840-0
30	GT26-3841-0			OS/VS2 ACCESS METHOD SERVICES: RELEASE 3, 3.6 GC26-3841-0
30	GT26-3842-0			PLANNING FOR ENHANCED VSAM UNDER OS/VS: VS2 REL 2, 3, 3.6 GC26-3842-0
30	**GT26-3846-0	**GN26-0856		IBM 3800 PRINTING SUBSYSTEM PROGRAMMER S GUIDE GC28-3846-0
30	GT27-0021-0	**GN27-1501	**GN27-1539	DOS/VS VTAM DEBUGGING GUIDE: REL 32 GC27-0021-0
30	GT27-0025-0			DOS/VS VTAM NETWORK OPERATING PROCEDURES: REL 32 GC27-0025-0
30	GT27-0027-0	**GN27-1515		OS/VS VTAM NETWORK OPERATING PROCEDURES: VS1 REL 5 GC27-0027-0
30	GT27-0036-0			SUPPLEMENT TO THE VTAM MACRO LANGUAGE GUIDE FOR THE PROGRAM OPERATOR: MVS; VS1 GC27-0036-0
36	GT27-6979-2			OS/VS SUPERVISOR SERVICES AND MACRO INSTRUCTIONS: VS2 REL 1.6, 1.7 GC27-6979-2
30	GT27-6980-1#			OS/VS BTAM: VS2 REL 1.6, 1.7, 2 GC27-6980-0
30	GT27-6994-0	**GN27-1481	**GN27-1469	VTAM MACRO LANGUAGE GUIDE: VS2 REL 2 GC27-6994-0
30	GT27-6995-2			VTAM MACRO LANGUAGE REFERENCE: VS2 REL 2 GC27-6995-2
30	GT27-6996-0	**GN27-1476		OS/VS1 VTAM SYSTEM PROGRAMMER S GUIDE: REL 4 GC27-6996-0
30	GT27-6997-3			VTAM NETWORK OPERATING PROCEDURES: VS1 REL 4; VS2 REL 3, 3.6; DOS/VS REL 30-32 GC27-6997-3
34	GT28-0601-0			OS/VS2 RELEASE 1 GUIDE
34	GT28-0604-0			OS/VS2 STORAGE ESTIMATES: VS2 REL 1.6, 1.7 GC28-0604-0
34	**GT28-0607-0	**GN28-2625		INTRODUCTION TO JES3 REL 2.1: MVS REL 3.7 GC28-0607-0
36	GT28-0608-0			OS/VS2 JES3 MACRO INSTRUCTIONS: REL 3, 3.6 GC28-0608-0
36	GT28-0618-2			OS/VS JCL REFERENCE: VS2 REL 1.6, 1.7 GC28-0618-2
36	GT28-0627-0	**GN28-2601	**GN28-2587	OS/VS2 SYS PROG LIBRARY: JOB MANAGEMENT: REL 3, 3.6 GC28-0627-0
36	GT28-0628-0			OS/VS2 SYS PROG LIBRARY: SUPERVISOR: REL 3, 3.6 GC28-0628-0
39	GT28-0629-0			OS/VS2 SYS PROG LIBRARY: TSO: REL 3, 3.6 GC28-0629-0
30	GT28-0631-2			OS/VS DATA MANAGEMENT FOR SYSTEM PROGRAMMERS: VS2 REL 1.6, 1.7 GC28-0631-2
37	GT28-0632-0	**GN28-2560		OS/VS2 DEBUGGING GUIDE: REL 1.6, 1.7 GC28-0632-0
37	GT28-0633-0	**GN28-2540		OS/VS SERVICE AIDS: VS2 REL 1.6, 1.7 GC28-0633-1
37	GT28-0636-0			OS/VS OLTEP
37	GT28-0638-0			OS/VS, SYS1.LOGREC ERROR RECORDING
37	GT28-0640-0			OS/VS DYNAMIC SUPPORT SYSTEM: VS2 REL 1.6, 1.7 GC28-0640-0
39	GT28-0644-0			OS/VS2 TSO GUIDE: REL 1.6, 1.7 GC28-0644-0
39	GT28-0645-0			OS/VS2 TSO TERMINAL USER S GUIDE: REL 1.6, 1.7 GC28-0645-0
39	GT28-0646-0	**GN28-2537		OS/VS2 TSO COMMAND LANGUAGE REFERENCE: VS2 REL 1.6, 1.7 GC28-0646-0

39	GT28-0648-0			OS/VS2 TSO GUIDE TO WRITING A TERMINAL MONITOR PROGRAM OR A COMMAND PROCESSOR: VS2 REL 1.6, 1.7 GC28-0648-0
37	GT28-0663-0	**GN28-2588	**GN28-2561	TOLTEP FOR VTAM: VS2 REL 2; WITH GN28-2588, REL 3, 3.6 GC28-0663-0
37	GT28-0665-0	**GN25-0102	**GN25-0113	OS/VS1 SERVICE AIDS: REL 4 GC28-0665-0
37	GT28-0666-0	**GN28-2556		OS/VS1 OLTEP - RELEASE 2.0, 2.6
34	GT28-0667-0			OS/VS2 PLANNING AND USE GUIDE: REL 2 GC28-0667-0
37	GT28-0674-0	**GN25-0105		OS/VS2 SYS PROG LIBRARY: SERVICE AIDS: REL 2, 3, 3.6 GC28-0674-0
37	GT28-0675-0	**GN25-0107		OS/VS2 OLTEP: REL 2, 3, 3.6 GC28-0675-0
37	GT28-0677-0			OS/VS2 SYS1.LOGREC ERROR RECORDING: REL 2 GC28-0677-0
34	GT28-0681-0	**GN28-2586		OS/VS2 INITIALIZATION AND TUNING GUIDE: REL 2 GC28-0681-0
36	GT28-0682-0			OS/VS2 JOB MANAGEMENT, SUPERVISOR, & TSO: VS2 REL 2 GC28-0682-0
30	GT28-0688-0	**GN27-1512		OS/VS2 MVS SYS PROG LIB: VTAM: VS2 REL 3, 3.6 GC28-0688-0
34	GT28-0689-1			OS/VS2 CONVERSION NOTEBOOK: REL 2 GC28-0689-1
39	GT28-0691-0			OS/VS2 TSO ENHANCEMENTS: REL 1.6, 1.7 GC28-0691-0
36	GT28-0692-0	**GN28-2576		OS/VS2 JCL: REL 2 GC28-0692-0
34	**GT28-0706-0	**GN28-2613	**GN28-2765	OS/VS2 MVS SYSTEM PROGRAMMING LIBRARY
		**GN28-2621	**GN28-2733	SYSTEM MANAGEMENT FACILITY SMF RELEASE 3.7
		**GN28-2734	**GN28-2730	
30	GT28-0722-1			MVS RACF GENERAL INFORMATION MANUAL: VERSION 1 REL 1
30	**ST28-0733-0			OS/VS2 MVS RESOURCE ACCESS CONTROL FACILITY RACF COMMAND LANGUAGE REFERENCE SC28-0733-0 VER 1 REL 1
30	**ST28-0734-0			OS/VS2 MVS RESOURCE ACCESS CONTROL FACILITY RACF V1 REL 2 INSTALLATION REFERENCE, PROG PROD 5740-XXH SC28-0734-0
34	**ST28-0922-0			OS/VS2 MVS RESOURCE MEASUREMENT FACILITY RMF REFERENCE AND USERS GUIDE, PROG PROD 5740-XY4 SC28-0922-0 VER 2 REL 1
24	ST28-6483-0	**SN20-9108		OS/VS COBOL COMPILER & LIBRARY R1 SC28-6483-0
39	GT28-6762-0	**GN28-2487		OS/MVT AND OS/VS2 TSO TERMINALS MANUAL
38	GT28-6878-0	**GN24-5466		OS/VS1 RES SYSTEM PROGRAMMER S GUIDE VS1 RELEASE 2.0 AND 2.6
38	GT28-6879-0	**GN24-5467		OS/VS1 RES WORKSTATION USERS GUIDE, RELEASE 2.0, 2.6
37	GT29-8300-0			VM/370 EREP REL 3 PLC1 GC29-8300-0
30	GT30-2025-0			OS TCAM USER S GUIDE - PROG. NO. 360S-CQ-548 OS/VS2 RELEASE 1.0 and OS/VS1 RELEASE 1.0, 2.0
30	GT30-2041-1			OS/VS2 TCAM LEVEL 8 PROGRAMMER S GUIDE: REL 3, 3.6 GC30-2041-1
30	GT30-2054-1			OS/VS1 TCAM PROGRAMMER S GUIDE: VS1 REL 4 GC30-2054-1
30	**GT30-3008-2			3704 & 3705 NCP/VS VERS 3 MOD 2 GENERATION & UTILITIES GUIDE & REFERENCE FOR OS/VS 5744-BZ2 & DOS/VS 5747-AJ2 VTAM USERS GC30-3008-2
21	GT33-4010-1	**GN33-8166		OS/VS & VM/370 ASSEMBLER LANGUAGE: VS2 REL 1.6, 1.7; GC33-4010-1
21	GT33-4021-1			OS/VS & VM/370 ASSEMBLER PROGRAMMER S GUIDE: VS2 REL 1.6, 1.7 GC33-4021-1
35	GT33-5384-0	**GN33-7065	**GN33-7066	1401/1440/1460 DOS/VS EMULATOR ON S/370 - REFERENCE REL 33
		**GN33-7062	**GN33-7078	GC33-5384-0
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35	GT33-5385-0	**GN33-7050	**GN33-7067	1410/7010 DOS/VS EMULATOR ON S/370 REL 33 GC33-5385-0
		**GN33-7079	**GN33-7093	
32	GT35-0005-2			OS/VS2 SVS UTILITIES GC35-0005-1
30	GT35-0009-0			OS/VS ACCESS METHOD SERVICES: VS2 REL 1.6, 1.7 GC35-0009-0
46	GT38-0110-0			OPERATORS LIBRARY: OS/VS1 REFERENCE MANUAL
40	GT38-0120-0			OPERATOR S LIBRARY OS/VS CONSOLE CONFIGURATIONS VS2 REL 1.6, 1.7 GC38-0120-2
40	GT38-0210-0			OS/VS2 OPER LIB REFERENCE JES2: REL 1.6, 1.7 GC38-0210-0
30	GT38-0255-0			OPERATOR S LIBRARY: OS/VS1 DISPLAY CONSOLES
40	GT38-0260-0	**GN27-1431		OS/VS2 OPERATOR S LIBRARY: DISPLAY CONSOLES: REL 1.6, 1.7 GC38-0260-0
30	GT38-1000-0			OS/VS MSS MESSAGES: VS2 REL 2 GC38-1000-0
40	GT38-1001-0			OS/VS MESSAGE LIBRARY: VS1 SYSTEM MESSAGES
40	GT38-1002-3			OS/VS2 SYSTEM MESSAGES: REL 1.6, 1.7 GC38-1002-1
40	GT38-1003-0			OS/VS MESSAGE LIBRARY: SYSTEM CODES
31	GT38-1007-2			OS/VS MESSAGE LIBRARY: LINKAGE EDITOR AND LOADER MESSAGES VS2 REL 1.6, 1.7 GC38-1007-2
40	GT38-1008-1	**GN28-2822		OS/VS2 SYSTEM CODES: REL 1.7 GC38-1008-0
30	GT38-1010-0	**GN24-5462		OS/VS1 MESSAGE LIBRARY: VS1 RES BTAM AND ACCOUNT MESSAGES RELEASE 2.0, 2.6
40	GT38-1011-0			OS/VS SSS MESSAGES: VS1 REL 4, VS2 REL 3, 3.6 GC38-1011-0
40	GT38-1012-0			OS/VS JES3 MESSAGES: VS2 REL 3 GC38-1012-0
30	**ST38-1014-0			OS/VS2 RESOURCE ACCESS CONTROL FACILITY RACF MESSAGES & CODES SC38-1014-0 VER1 REL1
40	**ST38-1041-0			SUPPLEMENT FOR MVS RMF VERS 1 TO SYS MESSAGES: PROG PROD 5740-XXM SC38-1041-0
40	GT38-1101-0			OS/VS1 ROUTING & DESCRIPTOR CODES: REL 6 GC38-1101-0
50	GT40-1260-1	**GN20-9052	**GN20-9170	IMS/VS VERSION 1 GENERAL INFORMATION PROG PROD 5740-XX2
50	ST40-9030-2			IMS/VS MESSAGES AND CODES REFERENCE SH20-9030-3
50	ST40-9053-1			IMS/VS VERSION 1 MESSAGE FORMAT SERVICE USER S GUIDE PROG PROD 5740-XX2 R1.1.1 REFERENCE
50	ST40-9054-0	**SN20-9109		IMS/VS VERSION 1 ADVANCED FUNCTION FOR COMMUNICATIONS PROG PROD 5740-XX2 R1.1.1 REFERENCE
50	ST40-9081-0	**SN20-9154	**SN20-9259	IMS/VS VERSION 1 INSTALLATION GUIDE REL 1.2 SH20-9081-00
50	GT40-9104-0			DB/DC DATA DICTIONARY GENERAL INFORMATION MANUAL, PROG PROD 5740-XXF, 5746-XXC: REL 1 GH20-9104-0
50	LT50-8041-0	**LN20-9157	**LN20-9262	IMS/VS VERSION 1 LOGIC, VOLUME 3 OF 3 LY20-8041-00 REL 1.2
36	ST60-0884-0	**SN20-2672		VM/370 DATA AREAS & CONTROL BLOCK LOGIC: REL 3 PLC1 SY20-0884-0
36	ST64-5155-0			OS/VS1 SUPERVISOR LOGIC
30	ST64-5156-0			OS/VS I/O SUPERVISOR LOGIC
36	ST64-5159-0			OS/VS CATALOG MANAGEMENT LOGIC
36	ST64-5160-0			OS/VS1 IPL AND NIP LOGIC
36	ST64-5161-0			OS/VS1 JOB MANAGEMENT LOGIC
30	ST64-5166-0			OS/VS1 LOGIC FOR IBM 3540: REL 4 SY24-5166-0

30	ST66-3786-2			OS/VS ISAM LOGIC: VS2 REL 1.6, 1.7 SY26-3786-2
30	ST66-3787-0	**SN26-8023		OS/VS DADSM LOGIC
30	ST66-3788-2			OS/VS SAM LOGIC: VS2 REL 1.6, 1.7 SY26-3788-2
30	ST66-3789-1	**SN26-8029		OS/VS BDAM LOGIC: VS2 REL 1.7, 1.7 SY26-3789-1
30	ST66-3817-0			OS/VS VSAM LOGIC: VS2 REL 1.6, 1.7 SY26-3817-0
36	ST66-3820-0			OS/VS2 CHECKPOINT/RESTART PLM
30	ST66-3823-0			OS/VS2 I/O SUPERVISOR LOGIC
30	ST66-3825-0	**SN26-0782		OS/VS2 VSAM LOGIC: REL 2, 3, 3.6 SY26-3825-0
30	ST66-3826-0			OS/VS2 CATALOG MANAGEMENT LOGIC: REL 2 SY26-3826-0
30	ST66-3827-0			OS/VS2 OPEN/CLOSE/EOV LOGIC: RELEASE 2 SY26-3827-1
30	ST66-3828-0			OS/VS2 DADSM LOGIC: VS2 REL 2 SY26-3828-0
30	ST66-3831-0	**SN26-0786		OS/VS2 BDAM LOGIC: REL 2, 3, 3.6 SY26-3831-0
30	ST66-3832-0			OS/VS2 SAM LOGIC: RELEASE 2 SY26-3832-0
30	ST66-3833-0			OS/VS2 ISAM LOGIC: REL 2, 3, 3.6 SY26-3833-0
30	**ST66-3845-0			ENHANCED VSAM ICR OS/VS2 ACCESS METHOD SERVICES LOGIC: MVS REL 3 SY26-3845-0
30	**ST66-3846-1			ENHANCED VSAM ICR OS/VS2 VSAM LOGIC: MVS REL 3 SY26-3846-1
30	ST66-3847-1			INDEPENDENT COMPONENT OS/VS2 CATALOG MANAGEMENT LOGIC: REL 3, 3.6, 3.7 SY26-3847-1
37	ST67-7239-0	**SN27-1399		OS/VS RECOVERY MANAGEMENT SUPPORT LOGIC COMPONENT NOS. 5741-SC1-CE AND 5742-SC1-CE
30	ST67-7246-0	**SN27-1401	**SN27-1398	OS/VS BTAM LOGIC: VS2 REL 1.6, 1.7 SY27-7246-0
30	ST67-7257-0	**SN27-1468	**SN27-1490	OS/VS1 VTAM LOGIC: REL 4 SY27-7257-0
30	ST67-7266-0			OS/VS1 VTAM DATA AREAS: REL 4 SY27-7266-0
30	ST67-7267-0	**SN27-1483		OS/VS2 VTAM DATA AREAS: REL 3, 3.6 SY27-7267-0
36	ST68-0605-0			OS/VS1 SYSTEM DATA AREAS
36	ST68-0606-0			OS/VS2 SYSTEM DATA AREAS: REL 1.6, 1.7 SY28-0606-0
30	ST68-0621-0			OS/VS2 VTAM LOGIC: REL 3, 3.6 SY28-0621-0
36	ST68-0624-1			OS/VS2 SCHEDULER & SUPERVISOR LOGIC VOL 1: REL 2, 3, 3.6 SY28-0624-1
36	ST68-0625-1			OS/VS2 SCHEDULER & SUPERVISOR LOGIC VOL 2: REL 2, 3, 3.6 SY28-0625-1
37	ST68-0635-0	**SN28-2541		OS/VS1 SERVICE AIDS LOGIC - RELEASE 1.0, 2.0, 2.6
37	ST68-0639-0			OS/VS SYS1.LOGREC ERROR RECORDING LOGIC
37	ST68-0641-0			OS/VS DYNAMIC SUPPORT SYSTEM LOGIC: VS2 REL 1.6, 1.7 SY28-0641-0
37	ST68-0643-0			OS/VS2 SERVICE AIDS LOGIC: REL 1.6, 1.7 SY28-0643-0
39	ST68-0649-0			OS/VS2 TSO CONTROL LOGIC: REL 1.6, 1.7 SY28-0649-0
39	ST68-0650-0			OS/VS2 TERMINAL MONITOR PROGRAM AND SERVICE ROUTINES LOGIC REL 1.6, 1.7 SY28-0650-0
39	ST68-0651-0			OS/VS2 TSO COMMAND PROCESSOR LOGIC VOLUME 1, ACCOUNT REL 1.6, 1.7 SY28-0651-0
39	ST68-0652-0			OS/VS2 COMMAND PROCESSOR LOGIC VOLUME IV: REL 1.6, 1.7 SY28-0652-0
39	ST68-0654-0			OS/VS2 TSO TERMINAL MESSAGES DIRECTORY: REL 2 SY28-0654-0
37	ST68-0662-0			OS/VS1 OLTEP LOGIC - RELEASE 2.0, 2.6
37	ST68-0664-0			TOLTEP LOGIC: VS2 REL 2 SY28-0664-0
37	ST68-0676-0	**SN25-0108		OS/VS2 OLTEP LOGIC: REL 2,3,3.6 SY28-0676-0
37	ST68-0678-0			OS/VS2 SYS1.LOGREC ERROR RECORDING LOGIC: REL 2 SY28-0678-1
37	ST68-0685-1			OS/VS SYSTEM MODIFICATION PROGRAM SMP LOGIC: VS2 REL 1.6, 1.7, 2, 3, 3.6 SY28-0685-1
36	**ST68-0713-0	**SN28-2691	**SN28-2682	VS2 MVS SYS LOGIC LIBRARY REL.3.7 VOL 1 OF 7 SY28-0713-0
		**SN28-2686	**SN28-2664	
36	**ST68-0714-0	**SN28-2665	**SN28-2760	OS/VS2 SYSTEM LOGIC LIBRARY VOLUME 2 SY28-0714-00 REL 3.7
		**SN28-2729		
36	**ST68-0715-0	**SN28-2692	**SN28-2698	OS/VS2 SYSTEM LOGIC LIBRARY VOLUME 3 SY28-0715-00 REL 3.7
		**SN28-2683		
36	**ST68-0716-0	**SN28-2761	**SN28-2693	OS/VS2 SYSTEM LOGIC LIBRARY VOLUME 4 SY28-0716-00 REL 3.7
		**SN28-2687	**SN28-2735	
36	**ST68-0717-0	**SN28-2694	**SN28-2688	OS/VS2 SYSTEM LOGIC LIBRARY VOLUME 5, SY28-0717-00 VS2 R3.7
		**SN28-2809		
36	**ST68-0718-0	**SN28-2762	**SN28-2684	OS/VS2 SYSTEM LOGIC LIBRARY VOLUME 6 SY28-0718-00 REL 3.7
		**SN28-2666	**SN28-2689	
36	**ST68-0719-0	**SN28-2667	**SN28-2685	OS/VS2 SYSTEM LOGIC LIBRARY VOLUME 7 SY28-0719-00 REL 3.7
		**SN28-2763	**SN28-2696	
30	**LT68-0730-0			OS/VS2 MVS RESOURCE ACCESS CONTROL FACILITY RACF LOGIC, PROG PROD 5740-XXH LY28-0730-00 VER 1 REL 2
34	**LT68-0923-0			OS/VS2 MVS RESOURCE MEASUREMENT FACILITY RMF LY28-0923-0 PROG PROD 5740-XXM, LOGIC
24	LT68-6425-0			OS/VS COBOL SUBROUTINE LIBRARY LOGIC REL 1 LY28-6425-0
24	LT68-6486-1			OS/VS COBOL COMPILER LOGIC PROG PROD 5740-CB1 REL 1 LY28-6486-1
30	ST68-6849-0	**SN24-5468		OS/VS1 RES RTAM AND WORKSTATION SUPPORT LOGIC RELEASE 2.0, 2.6
30	ST70-2039-1			OS/VS TCAM LOGIC
30	ST70-3017-1			SYSTEM/370 SSS LOGIC: VS2 REL 2 SY30-3017-1
21	ST73-8041-0	**SN33-8158	**SN33-8152	OS/VS, VM/370 ASSEMBLER LOGIC: VS2 REL 1.6, 1.7 SY33-8041-0
39	ST73-8548-0			OS/VS2 COMMAND PROCESSOR LOGIC VOLUME II: EDIT: REL 1.6, 1.7 SY33-8548-0
32	ST73-8558-0	**SN33-8765	**SN33-8775	DOS/VS SYSTEM UTILITIES LOGIC: REL 32 SY33-8558-0
		**SN33-8812	**SN33-8816	
36	ST73-8576-0	**SN33-9207		DOS/VS POWER/VS LOGIC PART 1: REL 33 SY33-8576-0
36	ST73-8577-0	**SN33-9208		DOS/VS POWER/VS LOGIC PART 2: REL 33 SY33-8577-0
39	ST75-0004-0			OS/VS2 TSO COMMAND PROCESSOR LOGIC VOLUME III: TEST: REL 1.6, 1.7 SY35-0004
32	ST75-0005-0	**SN35-0008		OS/VS UTILITIES LOGIC: WITH SN35-0008, VS2 REL 1.6, 1.7 SY35-0005-0
30	ST75-0008-0	**SN35-0012		OS/VS ACCESS METHOD SERVICES LOGIC: VS2 REL 1.6, 1.7 SY35-0008-0

36	ST75-0009-1	OS/VS2 AUXILIARY STORAGE MANAGEMENT LOGIC: REL 2, 3, 3.6 SY35-0009-1
30	ST75-0010-0	OS/VS2 ACCESS METHOD SERVICES LOGIC: REL 2 SY35-0010-0
30	ST75-0011-0	OS/VS2 CVOL PROCESSOR LOGIC: REL 2 SY35-0011-0
37	ST75-7701-0	VM/370 EREP LOGIC REL 3 PLC1 SY25-7701-0
14	GX09-1000-0	IBM 129-3270 OPERATOR S REFERENCE SUMMARY
14	GX09-1001-0	IBM 129-3270 RPQ 8T0105 OPERATOR S REFERENCE SUMMARY
89	GX20-1701-1	GENERAL PURPOSE SYSTEMS SIMULATOR CODING FORM PROG. NOS. 5734-XS1, XS2, 5736-XS1, XS3, 360A-CS-17X, 19X
07	GX20-1705-2	2311 MODEL 1 DISK STORAGE DRIVE CAPACITY AND TRANSMISSION TIME: REFERENCE SUMMARY
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
89	GX20-1751-0	IBM 2260 DISPLAY FORMAT
04	GX20-1759-3#	IBM 1287 OPTICAL READER DESIGN FORMATS
89	GX20-1761-0	MATHEMATICAL PROGRAMMING INPUT FORM SYSTEM/360 - 1130
01	GX20-1787-0	DEBUGGING AID DIRECT EVALUATION OF FLOATING POINT NUMBERS IN HEXADECIMAL
89	GX20-1816-0	150/10/6 PRINT CHART
89	GX20-1818-1	150/10/8 PRINT CHART
01	GX20-1850-3#	SYSTEM/370 REFERENCE SUMMARY CARD
09	GX20-1878-2	IBM 3270 INFORMATION DISPLAY SYSTEM REFERENCE SUMMARY
07	GX20-1920-1	IBM 3330 SERIES DISK STORAGE 3333 MODELS 1 AND 11, 3330 MODELS 1, 2 AND 11 : REFERENCE SUMMARY
36	GX20-1926-5#	VM/370 QUICK GUIDE FOR USERS REFERENCE SUMMARY
36	GX20-1927-1	ASP VERSION 3 ASYMMETRIC MULTIPROCESSING SYSTEM: OPERATORS REFERENCE BOOKLET - PROG. NO. 360A-CX-15X
36	GX20-1961-3#	VM/370 COMMANDS REFERENCE SUMMARY GENERAL USER
04	GX20-1972-3	IBM 3890 DOCUMENT PROCESSOR REFERENCE SUMMARY
39	SX20-1976-0	TSO/3270/SPF PROG PROD 5740-XT2 TEMPLATL
37	GX20-1977-0	AUTOMATED UNIT TEST AUT VM/370 CMS VERSION IUP 5796-PEB QUICK GUIDE FOR USERS REFERENCE SUMMARY
37	GX20-1978-0	AUTOMATED UNIT TEST AUT TSO AND BATCH OS/VS VERSION IUP 5796-PEC QUICK GUIDE FOR USERS REFERENCE GUIDE
07	GX20-1979-0	3340 DIRECT ACCESS STORAGE REFERENCE SUMMARY
85	GX20-1981-0	3275/3277 PROGRAM FUNCTION KEY TEMPLATE
07	*GX20-1983-0	3350 DIRECT ACCESS STORAGE, MOD A2, A2F, B2, B2F, C2, C2F
36	GX20-1995-0	VM/370 COMMANDS OTHER THAN GENERAL USER
85	GX20-2005-0	HEXADECIMAL ARITHMETIC REFERENCE SUMMARY
89	GX20-2325-0	EPIC: FAST - GROUP NAME SHEET - PROG PROD 5735-E92
89	GX20-8020-1	FLOWCHARTING TEMPLATE
89	GX20-8021-2	FLOWCHARTING WORKSHEET
89	GX21-9011-0	IBM 1062 PROGRAM TAPE LAYOUT SHEET
15	GX21-9030-0	IBM PHYSICAL PLANNING TEMPLATE, 1030 DATA COLLECTION SYSTEM
89	GX21-9090-3#	RPG OUTPUT-FORMAT SPECIFICATIONS FORM
89	GX21-9091-2	RPG EXTENSIONS AND LINE COUNTER SPECIFICATIONS SHEET
89	GX21-9092-5	RPG CONTROL CARD AND FILE DESCRIPTION SPECIFICATIONS FORM
89	GX21-9093-2	RPG CALCULATION SPECIFICATIONS SHEET
89	GX21-9094-3#	RPG INPUT SPECIFICATIONS FORM
85	GX21-9101-2#	SPECIFICATIONS FOR MAGNETIC CHARACTER READERS
04	GX21-9106-0	IBM 1288 DOCUMENT GAUGE FOR MACHINE SETUP
89	GX21-9129-6#	RPG DEBUGGING TEMPLATE
15	GX21-9155-1	IBM 3740 DATA ENTRY SYSTEM PHYSICAL PLANNING TEMPLATE
08	GX21-9171-3	IBM 3747 DATA CONVERTER REFERENCE CARD
08	GX21-9172-1	IBM 3741/3742 REFERENCE CARD
89	GX21-9185-0	IBM 3747 DATA CONVERTER RUN SHEET
89	GX21-9186-0	IBM 3740 JOB INSTRUCTIONS FORM
89	GX21-9187-0	IBM 3740 SYSTEM PRINT CHART
08	GX21-9204-2	IBM 3741 PROGRAMMABLE WORK STATION MODELS 3-4 REFERENCE CARD
15	GX22-6834-8	PUNCHED CARD AND TAPE I/O AND PRINTERS, FOR SYSTEM/360 AND SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE
05	GX22-6837-5	2401 - 2404 AND 2415 MAGNETIC TAPE UNITS
15	GX22-6855-9	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 MAGNETIC TAPE UNITS AND CONTROLS
15	GX22-6857-8	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 COMMUNICATIONS EQUIPMENT
15	GX22-6858-7	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	GX22-6860-6	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 MAGNETIC AND OPTICAL CHARACTER READERS
15	GX22-6925-1#	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 FIELD ENGINEERING FURNITURE AND TEST EQUIPMENT
15	GX22-6981-0	IBM PHYSICAL PLANNING TEMPLATE SYSTEM/360 MODEL 195
01	GX22-6984-2	IBM SYSTEM/370 MODEL 165 OPERATORS REFERENCE CARD
15	GX22-6985-1	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 CHANNELS: 2860, 2870, AND 2880
15	GX22-6987-0	3838 ARRAY PROCESSOR MODELS 1-3 FOR SYSTEM/370: PHYSICAL PLANNING TEMPLATE
15	GX22-7005-1	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 145
15	GX22-7006-1#	IBM PHYSICAL PLANNING TEMPLATE SYSTEM/370 MODEL 155
15	GX22-7007-2	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 165
15	GX22-7008-1	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 135
15	GX22-7018-1	3270 INFORMATION DISPLAY SYSTEM: PHYSICAL PLANNING TEMPLATE
15	GX22-7021-2	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 125
15	GX22-7022-5	SYSTEM/370 MODEL 168 PHYSICAL PLANNING TEMPLATE
15	GX22-7023-4	IBM S/370 MODEL 158 AND MODEL 158
15	GX22-7024-1	ATTACHED PROCESSOR, MULTIPROCESSING PHYS PLANNING TEMPLATE 3033 PROCESSOR PHYSICAL PLANNING TEMPLATE

15	**GX22-7025-0	3032 PROCESSOR COMPLEX TEMPLATE INCLUDES 3027 POWER AND COOLANT DISTRIBUTION UNIT AND 3036 CONSOLE
15	**GX22-7026-0	3031 PROCESSOR COMPLEX TEMPLATE INCLUDES 3017 POWER UNIT MODEL 1 AND 3036 CONSOLE MODEL 1
15	GX22-7028-2	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 115
15	GX22-7029-1	3340 DISK STORAGE MODELS A2, B1 AND B2 AND 3344 DIRECT ACCESS STORAGE MODELS B2 AND B2F FOR SYSTEM/370 - PHYSICAL PLANNING TEMPLATE
15	GX22-7030-1	3420 MAGNETIC TAPE UNIT MODELS 3 TO 8 & 3803 TAPE CONTROL MODELS 1-3 FOR SYSTEM/370: PHYSICAL PLANNING TEMPLATE
15	GX22-7031-3	3890 DOCUMENT PROCESSOR: PHYSICAL PLANNING TEMPLATE
15	GX22-7032-2	3704 COMMUNICATIONS CONTROLLER FOR SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE
15	GX22-7035-0	3410 MAGNETIC TAPE UNIT MODELS 1 TO 3 AND 3411 MAGNETIC TAPE UNIT AND CONTROL MODELS 1 TO 3 FOR SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE
15	GX22-7037-0	2401 MAGNETIC TAPE UNIT MODELS 1 TO 6 AND 8, FOR SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE
15	GX22-7038-0	2415 MAGNETIC TAPE UNIT AND CONTROL MODELS 1 TO 6, FOR SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE
15	GX22-7039-0	2420 MAGNETIC TAPE UNIT MODELS 5 AND 7, FOR SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE
15	GX22-7041-0	2495 TAPE CARTRIDGE READER MODEL 1, FOR SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE
15	GX22-7042-0	2803 TAPE CONTROL MODELS 1 TO 3, FOR SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE
15	GX22-7043-0	2804 TAPE CONTROL MODELS 1 TO 3, FOR SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE
15	GX22-7044-0	2816 SWITCHING UNIT MODEL 1, FOR SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE
15	GX22-7045-1	3540 DISKETTE INPUT/OUTPUT UNIT MODELS B1 AND B2 FOR SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE
15	GX22-7047-2	IBM PHYSICAL PLANNING TEMPLATE: 3330 DISK STORAGE MODELS 1, 2, AND 11; 3333 DISK STORAGE & CONTROL MODELS 1 AND 11 FOR S/370; 3830 STORAGE CONTROL MODELS 1, 2 AND 3 FOR S/370
15	GX22-7051-0	3705 COMMUNICATIONS CONTROLLER FOR SYSTEM/370: PHYSICAL PLANNING TEMPLATE
15	GX22-7052-0	IBM PHYSICAL PLANNING TEMPLATE FOR 3881 OPTICAL MARK READER MODELS 1 TO 3 AND 3886 OPTICAL CHARACTER READER MODELS 1 AND 2
15	GX22-7053-2	3881 OPTICAL MARK READER MODELS 1-3 & 3886 OPTICAL CHARACTER READER MODELS 1 & 2: PHYSICAL PLANNING TEMPLATE
15	GX22-7054-1	3800 PRINTING SUBSYSTEM FOR SYSTEM/370: PHYSICAL PLANNING TEMPLATE
15	GX22-7057-1	3350 DIRECT ACCESS STORAGE MODELS A2, A2F, B2, B2F, C2, AND C2F PHYSICAL PLANNING TEMPLATE
15	GX22-7058-0	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 138
15	GX22-7059-1	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 148
37	GX23-0001-1	OS/VS1 SERVICE AIDS REFERENCE SUMMARY
37	GX23-0002-1#	OS/VS2 SERVICE AIDS REFERENCE SUMMARY
40	GX23-0003-1	JES3 OPERATOR COMMANDS & DYNAMIC SUPPORT PROGRAMS DSP REFERENCE SUMMARY
36	SX23-0004-0	OPERATOR S LIBRARY: NETWORK JOB ENTRY FOR JES2 COMMAND LANGUAGE REFERENCE SUMMARY
36	GX23-0005-0	OPERATOR S LIBRARY: OS/VS2 MVS JES2 COMMAND LANGUAGE REFERENCE SUMMARY
89	GX24-3092-0	IBM 1050 DATA COMMUNICATIONS SYSTEM TRANSMISSION - LIMITED MAXIMUM-MESSAGE-RATE GRAPH
89	GX24-3124-2	PLANNING CHART, IBM 1050 DATA COMMUNICATION SYSTEM
89	GX24-3139-3	IBM 1050 DATA COMMUNICATION SYSTEM, OPERATOR INSTRUCTION SHEET
89	GX24-3285-1	IBM 1030 DATA COLLECTION SYSTEM, IBM 1031 PROGRAM CHART
15	GX24-3381-1	1050 DATA COMMUNICATIONS SYSTEM: PHYSICAL PLANNING TEMPLATE
15	**GX24-3644-0	IBM 3896 TAPE - DOCUMENT CONVERTER PHYSICAL PLANNING TEMPLATE
15	**GX24-3647-1	IBM 3895 DOCUMENT READER/INSCRIBER PHYSICAL PLANNING TEMPLATE
89	GX24-5101-0	OS/VS1 TRACE TABLE OVERLAY
85	GX24-6599-1	MULTIPLE CARD LAYOUT FORM - 80 COLUMN
01	GX26-1587-0	DECIMAL/HEXADECIMAL INTEGER CONVERSION CHART
01	GX26-1588-0	DECIMAL/HEXADECIMAL FRACTION CONVERSION CHART
14	GX26-1618-0	IBM 2730 TRANSACTION VALIDATION TERMINAL - REFERENCE CARD
03	GX26-1649-2	3800 PRINTING SUBSYSTEM OPERATOR REFERENCE CARD
03	GX26-1651-0	3800 PRINTING SUBSYSTEM CARE IN HANDLING SUPPLIES
85	GX26-1652-0	IBM 3800 PRINTING SUBSYSTEM - PRINT LINE AND CHARACTER PITCH GAUGE
50	SX26-3701	CICS/VS REFERENCE SUMMARY: PROGRAM DEBUGGING
23	SX26-3710-1#	VS BASIC FOR VSPC: REFERENCE SUMMARY, PROG 5748-XX1
25	SX26-3711-1	VSPC FORTRAN REFERENCE SUMMARY PROG 5748-FO2
22	SX26-3712-1	VS APL 5748-AP1 REFERENCE SUMMARY
89	GX26-3713-3	IBM 3800 PRINTING SUBSYSTEM CHARACTER DESIGN AND CODING FORM
30	GX27-0024-0	VTAM LEVEL 1.1 REFERENCE SUMMARY: VS1 REL 4; VS2 REL 3
30	GX27-0029-2#	DOS/VS VTAM CONTROL BLOCK OVERVIEW
30	GX27-0030-1	OS/VS1 VTAM CONTROL BLOCK OVERVIEW
30	GX27-0031-1	OS/VS2 MVS VTAM LEVEL 2 CONTROL BLOCK OVERVIEW
30	GX27-0033-1#	DOS/VS VTAM REFERENCE SUMMARY
30	GX27-0034-1	OS/VS VTAM LEVEL 2 REFERENCE SUMMARY
30	GX27-0048-0	OS/VS2 SVS VTAM CONTROL BLOCK OVERVIEW
15	GX27-2900-1	IBM PHYSICAL PLANNING TEMPLATE: COMMUNICATIONS TERMINALS
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
15	GX27-2909-0			2770 DATA COMMUNICATIONS SYSTEM: PHYSICAL PLANNING TEMPLATE
85	GX27-2910-2			IBM 2795/2796/2797 OPERATING INSTRUCTIONS - FORM
15	GX27-2917-1			3770 DATA COMMUNICATION SYSTEM PHYSICAL PLANNING TEMPLATE
85	GX27-2918-2			IBM 3770 DATA COMMUNICATION SYSTEM ERROR LOG OVERLAY
89	GX27-2950-0			2250 DISPLAY LAYOUT SHEET
89	GX27-2951-1			IBM 3270 INFORMATION DISPLAY SYSTEM LAYOUT SHEET
15	**GX27-2990-0			PHYSICAL PLANNING TEMPLATE ENGLISH MEASUREMENT
				3270 INFORMATION DISPLAY SYSTEM
15	**GX27-2999-0			PHYSICAL PLANNING TEMPLATE METRIC MEASUREMENT
				3270 INFORMATION DISPLAY SYSTEM
39	GX28-0647-3#			OS/VS2 TSO COMMAND LANGUAGE REFERENCE SUMMARY
37	GX28-0684-1			OS AND OS/VS SMP REFERENCE SUMMARY
37	GX28-0690-1#			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
23	SX28-6385-1			VS BASIC TSO REFERENCE SUMMARY, PROG PROD 5748-XX1
23	SX28-6386-1#			VS BASIC CMS REFERENCE SUMMARY, PROG PROD 5748-XX1
40	GX28-6400-2	**GN28-3172		IBM TIME SHARING SYSTEM -- QUICK GUIDE FOR USERS
36	GX28-6401-1	**GN28-3173		IBM TIME SHARING SYSTEM - QUICK GUIDE FOR SYSTEM PROGRAMMERS
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
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	SX28-8194-2#			IBM OS COBOL INTERACTIVE DEBUG REFERENCE CARD - PROGRAM
				PRODUCT 5734-CB4
24	GX28-8195-0			IBM GUIDE TO ANS COBOL PROGRAM PRODUCTS : REFERENCE SUMMARY
29	SX33-6001-1			DISK OPERATING SYSTEM/360 REFERENCE CARD PL/I OPTIMIZING
				COMPILER KEYWORDS
29	SX33-6002-2			OS PL/I CHECKOUT AND OPTIMIZING COMPILERS: KEYWORDS
				REFERENCE SUMMARY, PROG. NOS. 5734-PL1, -PL2, -PL3
29	SX33-6005-1			OS PL/I CHECKOUT AND OPTIMIZING COMPILERS: TERMINAL
				COMMANDS AND COMPILER OPTIONS REFERENCE SUMMARY-PROG. NOS.
				5734-PL1, PL2, PL3
50	SX33-6010-1#			CICS/VS VERSION 1 RELEASE 3 PROGRAM DEBUGGING
				REFERENCE SUMMARY
50	SX33-6011-1#			CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE
				CICS/VS VERSION 1 RELEASE 3, REFERENCE SUMMARY:
				MASTER TERMINAL OPERATOR 5746-XX3 and 5740-XX1
33	SX33-8001-0			OS/VS SORT/MERGE REFERENCE SUMMARY PROG. PROD. 5740-SM1
85	GX33-8500-1			RECORD LAYOUT
36	GX33-9004-5#			DOS/VS POWER/VS REFERENCE SUMMARY
08	GX34-0022-0			IBM 3715 OPERATOR S REFERENCE SUMMARY
10	GX34-0041-1			IBM 5230 DATA COLLECTION SYSTEM 5231 MODEL 1 CONSOLE GUIDE
09	GX34-0042-2			IBM 5230 DATA COLLECTION SYSTEM 5231 MODEL 2 CONSOLE GUIDE
10	GX34-0043-1			IBM 5230 DATA COLLECTION SYSTEM 5231 MODEL 3 CONSOLE GUIDE
05	GX35-5001-0			IBM SYSTEM/360/370 REFERENCE DATA 2401-2404, 2415, 2420,
				AND 3420 MAGNETIC TAPE UNITS
40	GX38-0227-0			OPERATOR S LIBRARY: OS/VS2 JES2 COMMAND LANGUAGE
				REFERENCE SUMMARY
50	LYA4-3001-3#			CICS DOS/VS, PROG PROD 5746-XX3 V1 R3.0, ASSEMBLER LISTINGS
50	LYA4-3001-2#			CICS OS/VS V1 R3.0 PROG PROD 5740-XX1, LISTINGS
50	LYA4-3002-3			APL/360 - DOS ASSEMBLY LISTINGS,
22	LYB0-0626-1			PROGRAM NUMBER 5736-XM6, FEATURE CODE 8065,
				FE SERVICE NUMBER 200157
50	LYB0-0631-6			INFORMATION MANAGEMENT SYSTEM IMS/360 VERS. 2
				DATA BASE LISTINGS, VOL. 3, PROG. PROD. 5734-XX6
50	LYB0-0632-6			INFORMATION MANAGEMENT SYSTEM/360, VERSION 2, VOLUME 4,
				DATA COMMUNICATION LISTINGS, MICROFICHE
				PROG. PROD. 5734-XX6, FEATURE CODE 8083
50	LYB0-0724-2			CUSTOMER INFORMATION CONTROL SYSTEM/DOS - ENTRY CICS/DOS-
				ENTRY LISTINGS, PROG. PROD. 5736-XX6
50	LYB0-0735-2			CUSTOMER INFORMATION CONTROL SYSTEM/DOS STANDARD CICS/DOS-
				STANDARD LISTINGS, PROG. PROD. 5736-XX7
50	LYB0-0781-3			CUSTOMER INFORMATION CONTROL SYSTEM/OPERATING SYSTEM
				STANDARD CICS/OS-STANDARD VERSION 2 PROGRAM LISTINGS
				MICROFICHE - PROGRAM NUMBER 5734-XX7
50	LYB0-0834-2			INTERACTIVE QUERY FEATURE IQF TO IMS/360: MICROFICHE
				LISTINGS - PROGRAM NUMBER 5734-XX6
50	LYB0-0839-2#	**LNBO-9491	**LYA2-5205	DATA LANGUAGE/I DOS/VS LISTING - PROG. NO. 5746-XX1
		**LYA2-5215	**LNA2-5091	
99	GYB0-0854-7			ASYMMETRIC MULTIPROCESSING SYSTEM FOR 360, 370 ASP PROGRAM
				LISTING MICROFICHE, PROG NO 360A-CX-15X
99	GYB0-0856-0			S/370 HASP II VERSION 4 MICROFICHE - PROGRAM NUMBER
				370H-TX-001
50	LYB0-0864-1			GENERALIZED INFORMATION SYSTEM VERSION 2 GIS/2 BASIC
				RETRIEVAL SYSTEM MICROFICHE - PROGRAM NUMBER 5734-XX1
50	LYB0-0865-0			GENERALIZED INFORMATION SYSTEM VERSION 2 GIS/2 ARITHMETIC
				STATEMENT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
50	LYB0-0866-1			GENERALIZED INFORMATION SYSTEM VERSION 2 GIS/2
				TELEPROCESSING SUPPORT FEATURE MICROFICHE - PROGRAM NUMBER
				5734-XX1
50	LYB0-0867-1			GENERALIZED INFORMATION SYSTEM VERSION 2 GIS/2 CONTROL
				STATEMENT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1

50	LYB0-0868-0			GENERALIZED INFORMATION SYSTEM VERSION 2 GIS/2 PROCESSING STATEMENT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
50	LYB0-0869-1			GENERALIZED INFORMATION SYSTEM VERSION 2 GIS/2 FORMAL REPORT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
50	LYB0-0870-1			GENERALIZED INFORMATION SYSTEM VERSION 2 GIS/2 HIERARCHICAL FILE SUPPORT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
50	LYB0-0871-1			GENERALIZED INFORMATION SYSTEM VERSION 2 GIS/2 UPDATE AND CREATE FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
50	LYB0-0872-1			GENERALIZED INFORMATION SYSTEM VERSION 2 GIS/2 UTILITY FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
50	LYB0-0873-1			GENERALIZED INFORMATION SYSTEM VERSION 2 GIS/2 EDIT AND ENCODE FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
50	LYB0-0874-1			GENERALIZED INFORMATION SYSTEM VERSION 2 GIS/2 FILE MODIFY FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
50	LYB0-0875-1			GENERALIZED INFORMATION SYSTEM VERSION 2 GIS/2 DATA LANGUAGE/1 QUERY SUPPORT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
50	LYB0-0876-0			GENERALIZED INFORMATION SYSTEM VERSION 2 GIS/2 EXTENDED MULTI-FILE SUPPORT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
99	SYB0-0900-8#	**SNB5-0317 **SNB5-0330	**SNB5-0323	IBM VM/370: CP MICROFICHE - PROGRAM NUMBER 5749-010
99	SYB0-0901-8#	**SNB5-0318 **SNB5-0331	**SNB5-0324 **SNB5-0336	IBM VM/370: CMS MICROFICHE - PROGRAM NUMBER 5749-010
22	LYB0-2010-1#			A PROGRAMMING LANGUAGE SHARED VARIABLE LISTINGS APLSV PRPQ WE1191 PROGRAM NO. 5799-AJF
50	LYB0-2046-0	**LNB0-3369		FASTER LANGUAGE FACILITY VERSION 1.0 FLF/CICS/VS : LISTINGS PROG. NOS. 5740-XX1 OS , 5746-XX3 DOS
50	LYB0-2218-3#			LXTM, PROG PROD 5746-XX3
50	LYB0-2221-0			TELECOMMUNICATIONS ACCESS METHOD, IMS/VS INTERFACE TCAM PROG PROD 5740-XXC
30	LYB0-2257-1#	**LNB0-3690 **LNB0-3768	**LNB0-3742 **LNB0-3773	TELECOMMUNICATIONS CONTROL SYSTEM - ADVANCED FUNCTIONS TCF-AF PROG PROD 5740-XXD
50	LYB0-8008-4			CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE CICS/VS LISTINGS OS PROG. PROD. 5740-XX1
50	LYB0-8009-4#			CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE CICS/VS LISTINGS DOS PROG. PROD. 5746-XX3
50	LYB0-8016-7			IMS/VS V1 SYSTEM LISTINGS PROG PROD 5740-XX2
50	LYB0-8017-7			IMS/VS V1 DATA COMMUNICATION FEATURE LISTINGS PROG PROD 5740-XX2
50	LYB0-8018-6			IMS/VS V1 INTERACTIVE QUERY FACILITY LISTINGS, PROG 5740-XX2
50	LYB0-8023-1#			GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE GIS/VS LISTINGS FOR BASIC QUERY FEATURE PROG. PROD. 5740-XX7
50	LYB0-8024-1#			GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE GIS/VS LISTINGS FOR ADVANCED QUERY FEATURE PROG. PROD. 5740-XX7
50	LYB0-8024-0#			GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE GIS/VS LISTINGS FOR MODIFY FEATURE PROG. PROD. 5740-XX7
50	LYB0-8025-1#			GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE GIS/VS LISTINGS FOR THE UPDATE/CREATE FEATURE PROG. NO. 5740-XX7
50	LYB0-8025-0#			PTF NO. 5740-XX2-C-0004 FOR INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE IMS/VS DATA BASE LISTINGS - VOLUME 3
50	LYB0-8026-1#			PTF NO. 5740-XX2-C-004F FOR INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE IMS/VS DATA COMMUNICATION LISTINGS - VOLUME 4
50	LYB0-8026-0#			PTF NO. 5740-XX2-C-004F FOR INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE IMS/VS INTERACTIVE QUERY FACILITY LISTINGS - VOLUME 6
97	LYB0-8033-0			IMS/VS VI MSC LISTINGS - PROG PROD 5740-XX2
97	LYB0-8034-0			APL SHARED VARIABLES APLSV VERSION 3, LISTINGS, PROG 5799-AQC
97	LYB0-8035-0			VS PERSONAL COMPUTING OS/VS1, LISTINGS, PROG PROD 5740-XR5
50	LYB0-8038-3			VSPC FORTRAN PROGRAM LISTINGS, PROG PROD 5748-FO2
22	LYB0-8042-0			VS PERSONAL COMPUTING OS/VS2 PROG 5740-XR6
39	LYB0-8043-0	**LNB6-9994	**LNB6-9992	DOS/VS VS PERSONAL COMPUTING VSPC PROG PROD 5746-XR3, ICR LISTINGS
25	LYB0-8044-0	**LNB6-9903		DOS/VS VSPC CROSS REFERENCE AND DATA AREAS
39	LYB0-8045-0	**LNB6-9901		PROG PROD 5746-XR3
39	LYB0-8046-0	**LNB6-9902		OS/VS2 RELEASE 3 INDEPENDENT COMPONENT: JES3 ASSEMBLY LISTINGS AND CROSS-REFERENCE TABLE
39	LYB0-8048-0			MICROFICHE FOR IBM SYSTEM/370 DISTRIBUTED SYSTEM - PROGRAM NUMBER 360A-TX-032
99	SYB0-8090-1#			OS BSAM LOGIC FOR 1419/1275 MICROFICHE
99	GYB0-8501-0			OS DATA MANAGEMENT MACRO LOGIC FOR 1285/1287/1288 MICROFICHE
30	GYB1-0012-0			S/360 DOS RPG II COMPILER, LISTINGS, PROG. PROD. 5736-RG1
30	GYB1-0013-0			OS/VS1 SUPERVISOR LOGIC MICROFICHE EDITION
28	LYB1-0450-8	**LJD3-3801	**LJD3-3802	OS/VS1 I/O SUPERVISOR LOGIC MICROFICHE EDITION
36	SYB4-5155-1			OS/VS1 CHECK POINT/RESTART LOGIC MICROFICHE EDITION
30	SYB4-5156-1			OS/VS1 IPL AND NIP LOGIC MICROFICHE EDITION
36	SYB4-5159-0			OS/VS 3886 OPTICAL CHARACTER READER MODEL 1 LOGIC MICROFICHE
36	SYB4-5160-1#			OS/VS 3890 DOCUMENT PROCESSOR LOGIC MICROFICHE EDITION
30	SYB4-5162-0			OS/VS1 MASTER INDEX OF LOGIC MICROFICHE EDITION
30	SYB4-5163-0			OS/VS1 LOGIC FOR IBM 3540 MICROFICHE EDITION
20	GYB4-5164-0			OS/VS1 JOB MANAGEMENT LOGIC VOL 1 MICROFICHE EDITION
30	SYB4-5166-1#			OS/VS1 JOB MANAGEMENT LOGIC VOL 2 MICROFICHE EDITION
36	SYB4-5168-1#			OS/VS1 RMS LOGIC MICROFICHE
36	SYB4-5169-1#			OS/VS LOADER LOGIC MICROFICHE EDITION
37	SYB4-5170-0			OS/VS LINKAGE EDITOR LOGIC MICROFICHE EDITION
31	SYB6-3814-0			OS/VS1 BDAM LOGIC MICROFICHE EDITION
31	SYB6-3815-1			OS/VS1 DADSM LOGIC MICROFICHE EDITION
30	SYB6-3836-0			OS/VS1 ISAM LOGIC MICROFICHE EDITION
30	SYB6-3837-0			
30	SYB6-3838-0			

30	SYB6-3839-1			OS/VS1 OPEN/CLOSE/EOV LOGIC MICROFICHE EDITION
30	SYB6-3840-1#			OS/VS1 SAM LOGIC MICROFICHE EDITION
30	SYB6-3841-1#			OS/VS1 VIRTUAL STORAGE ACCESS METHOD VSAM LOGIC MICROFICHE EDITION
30	SYB6-3848-0			OS/VS2 ICR: CATALOG MANAGEMENT CROSS REFERENCE OS/VS2 ENHANCED VSAM ICR
30	SYB6-3849-0			OS/VS2 ICR: VSAM CROSS REFERENCE OS/VS2 ENHANCED VSAM ICR
32	SYB6-3851-1			OS/VS AP-1 PLM FICHE
37	SYB7-7239-0			OS/VS1 RMS LOGIC MICROFICHE EDITION : REL 5
30	SYB7-7240-0			OS/VS GRAPHICS ACCESS METHOD LOGIC MICROFICHE EDITION
30	SYB7-7241-0			OS/VS GRAPHICS PROBLEM-ORIENTED ROUTINES LOGIC MICROFICHE
30	SYB7-7242-0			OS/VS GRAPHIC SUBROUTINE PACKAGE GSP FOR FORTRAN IV, COBOL AND PL/I LOGIC MICROFICHE EDITION
30	SYB7-7246-1			OS/VS BTAM LOGIC MICROFICHE EDITION
30	SYB7-7256-1			INTRODUCTION TO VTAM LOGIC MICROFICHE EDITION
30	SYB7-7257-1			OS/VS1 VTAM LOGIC MICROFICHE EDITION
30	SYB7-7266-1			OS/VS1 VTAM DATA AREAS MICROFICHE EDITION
30	SYB7-7271-0			OS/VS1 VTAM EXECUTION SEQUENCES MICROFICHE EDITION
36	SYB8-0605-1			OS/VS1 SYSTEM DATA AREAS MICROFICHE EDITITON
36	SYB8-0606-4#			OS/VS2 DATA AREAS
37	SYB8-0635-1			OS/VS1 SERVICE AIDS LOGIC MICROFICHE EDITION
38	SYB8-0660-0			OS/VS1 RES ACCOUNT FACILITY LOGIC MICROFICHE EDITION
37	SYB8-0662-1			OS/VS1 OLTEP LOGIC MICROFICHE EDITION
37	SYB8-0664-0			DOS/VS AND OS/VS TOLTEP LOGIC MICROFICHE EDITION
37	SYB8-0669-1			OS/VS1 SYS1.LOGREC ERROR RECORDING LOGIC MICROFICHE EDITION
37	SYB8-0672-0			OS/VS1 DYNAMIC SUPPORT SYSTEM LOGIC MICROFICHE EDITION
37	SYB8-0685-1			OS/VS SYSTEM MODIFICATION PROGRAM SMP LOGIC MICROFICHE
36	SYB8-0742-1			OS/VS2 MVS DATA AREA USAGE TABLE
36	SYB8-0743-1			OS/VS2 MVS DIRECTORY
36	SYB8-0744-1#			OS/VS2 MVS SYMBOL USAGE TABLE
	SYB8-0744-0#			
39	LYB8-0768-0			OS/VS2 MVS TSO COMMAND PACKAGE DATA AREAS PROG 5740-XT6
39	LYB8-0769-0			OS/VS2 MVS TSO COMMAND PACKAGE DIRECTORY PROG 5740-XT6
30	**LYB8-0770-1#			OS/VS2 MVS RESOURCE ACCESS CONTROL FACILITY RACF DATA AREAS
30	**LYB8-0771-1#			OS/VS2 MVS RESOURCE ACCESS CONTROL FACILITY RACF DIRECTORY
36	**SYB8-0775-0			SUPPLEMENT FOR SU27: DATA AREAS USAGE TABLE, 5752-827
36	**SYB8-0776-0			SUPPLEMENT FOR SU27: MVS SYMBOL USAGE TABLE, 5752-827
36	**SYB8-0777-0			SUPPLEMENT FOR SU27: MVS DIRECTORY, 5752-827
36	**SYB8-0782-0			SUPPLEMENT FOR SU16: MVS SCHEDULER/IOS SUPPORT, 5752-816
36	**SYB8-0783-0			SUPPLEMENT FOR SU16: SCHEDULER/IOS SUPPORT, 5752-816
36	**SYB8-0784-0			SUPPLEMENT FOR SU16: MVS SCHEDULER/IOS SUPPORT, 5752-816
36	**SYB8-0809-0			SUPPLEMENT FOR SU18: JES3 REL 2.1 MSS, 5752-818
36	**SYB8-0811-0			SUPPLEMENT FOR SU18: JES3 REL 2.1, MSS, 5752-818
36	**SYB8-0812-0			SUPPLEMENT FOR SU18: JES3 REL 2.1 MSS, 5752-818
36	**SYB8-0822-0			SUPPLEMENT FOR SU33: MVS DUMPING IMPROVEMENTS, 5752-833
36	**LYB8-0838-0	**LNB9-0006	**LNB9-0008	SUPPLEMENT FOR NJE REL 2, PROG PROD 5740-XR8
		**LNB9-0014		
36	**SYB8-0839-0			SUPPLEMENT FOR SU25: JES2 REL 4.1 RJE 3790 SUPPORT, 5752-825
36	**SYB8-0851-0			SUPPLEMENT FOR SU32: SYSTEM SECURITY SUPPORT, 5752-832
36	**SYB8-0864-0			OS/VS2 MVS 3895 PROGRAMMING SUPPORT SUID 5752-830, DATA AREA
36	**SYB8-0865-0			OS/VS2 MVS 3895 PROGRAMMING SUPPORT SUID 5752-830, DIRECTORY
36	**SYB8-0866-0			OS/VS2 MVS 3895 PROGRAMMING SUPPORT SUID 5752-830: DATA AREA USAGE TABLE
36	**SYB8-0867-0			OS/VS2 MVS 3895 PROGRAMMING SUPPORT SUID 5752-830: SYMBOL USAGE TABLE
36	**SYB8-0882-0			SUPPLEMENT FOR SU47: MVS ATTACHED PROCESSOR SYSTEM FOR MODELS 158/168, 5752-847
36	**SYB8-0883-0			SUPPLEMENT FOR SU47: ATTACHED PROCESSOR SYSTEM FOR MODELS 158/168, 5752-847
36	**SYB8-0884-0			SUPPLEMENT FOR SU47: MVS ATTACHED PROCESSOR SYSTEM FOR MODELS 158/168, 5752-847
36	**SYB8-0885-0			SUPPLEMENT FOR SU47: ATTACHED PROCESSOR SYSTEM FOR MODELS 158/168, 5752-847
30	**LYB8-0888-0			OS/VS2 MVS RACF DATA AREA USAGE TABLE, PROG PROD 5740-XXH
30	**LYB8-0889-0			OS/VS2 MVS RACF SYMBOL USAGE TABLE, PROG PROD 5740-XXH
36	**SYB8-0902-0			SUPPLEMENT FOR SU55: HARDWARE RECOVERY ENHNC, 5752-855
34	**LYB8-0907-0	**LNB8-2869		OS/VS2 MVS RESOURCE MEASUREMENT FACILITY RMF DIRECTORY, PROG PROD 5740-XY4
34	**LYB8-0908-0	**LNB8-2870		OS/VS2 MVS RMF DATA AREAS
34	**LYB8-0909-0	**LNB8-2871		OS/VS2 MVS RESOURCE MEASUREMENT FACILITY RMF DATA AREA USAGE TABLE
34	**LYB8-0910-0	**LNB8-2872		OS/VS2 MVS RESOURCE MEASUREMENT FACILITY RMF SYMBOL USAGE TABLE
36	**SYB8-0935-0			VS2 MVS 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT: DATA AREAS
36	**SYB8-0936-0			SUPPLEMENT FOR SU29: 3838 VPSS, 5752-829
36	**SYB8-0937-0			VS2 MVS 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT DIRECTORY SUID 5752-856
36	**SYB8-0938-0			SUPPLEMENT FOR SU29, 3838 VPSS, 5752-829
30	SYB8-6849-1			OS/VS1 RES RTAM & WORKSTATION SUPPORT LOGIC MICROFICHE
38	GYCO-2011-0			OS/MFT, OS/MVT, AND OS/VS1: CRJE LOGIC - PROG 360-RC-551 & SCP COMPONENT 5741-SC1-08 MICROFICHE EDITION
30	SYCO-2069-1#			OS/VS1 TCAM LOGIC MICROFICHE EDITION
30	SYCO-3017-1#			SYSTEM/370 SUBSYSTEM SUPPORT SERVICES LOGIC MICROFICHE
99	SYCO-9000-3#	**SNB5-0319	**SNB5-0325	IBM VM/370 RSCS LISTINGS, PROGRAM NO. 5749-010
	SYCO-9000-2#			
99	SYCO-9001-2#	**SNB5-0320	**SNB5-0332	VM/370 IPCS MICROFICHE
	SYCO-9001-1#			
21	SYC3-8041-0			OS/VS AND VM/370 ASSEMBLER LOGIC MICROFICHE EDITION
30	SYC5-0003-0			OS/VS1 CATALOG MANAGEMENT LOGIC MICROFICHE EDITION
32	SYC5-0005-1#			OS/VS UTILITIES LOGIC MICROFICHE EDITION
30	SYC5-0008-1			OS/VS1 ACCESS METHOD SERVICES LOGIC MICROFICHE EDITION

30	SYC5-0012-2#			OS/VS1 MSSC LOGIC MICROFICHE EDITION
30	SYC5-0014-0			OS/VS MSC TRACE REPORTS LOGIC MICROFICHE EDITION
30	SYC5-0015-1#			OS/VS MASS STORAGE SYSTEM SERVICES LOGIC MICROFICHE
30	SYC5-0016-1#			OS/VS MSC TABLE CREATE LOGIC MICROFICHE EDITION
99	SYC7-0450-1			DOS/VS ANALYSIS PROGRAM 1, LISTINGS - SCP COMPONENT 5745-SC-APC
99	SYC7-0451-1			DOS/VS MAINTAIN SYSTEM HISTORY LISTING
99	SYC7-0452-0			DOS/VS OLTEP CARDLESS INDEPENDENT COMPONENT RELEASE 33.0
34	LYC7-0453-0			ADVANCED FUNCTIONS - DOS/VS ATTENTION ROUTINES 5746-E2-AIT
34	LYC7-0454-0			ADVANCED FUNCTIONS - DOS/VS DISPLAY OPERATOR CONSOLE 5746-E2-DOC
34	LYC7-0455-0			ADVANCED FUNCTIONS - DOS/VS IPL AND BUFFER LOAD, 5746-E2-IPL
34	LYC7-0457-0			ADVANCED FUNCTIONS DOS/VS LIBRARIAN 5746-E2-LBR MICROFICHE
34	LYC7-0458-0			ADVANCED FUNCTIONS DOS/VS LINKAGE EDITOR 5746-E2-LNK MICROFICHE
34	LYC7-0459-0			ADVANCED FUNCTIONS DOS/VS PDAIDS 5746-E2-PDA MICROFICHE
34	LYC7-0460-0			ADVANCED FUNCTIONS - DOS/VS SUPERVISOR 5746-E2-SUP
33	LYC7-0901-1	**LSC0-5304		DOS 01-0 SORT/MERGE LISTINGS - PROGRAM PRODUCT 5743-SM1
33	LYC7-0903-3	**LNC7-2710		DOS/VS SORT/MERGE 1.3 LISTING, PROG PROD 5746-SM1
33	LYC7-0904-3#	**LNC7-2711	**LNC7-2713	OS/VS SORT MERGE 3.0 LISTING, PROG PROD 5740-SM1
33	LYC7-0905-0	**LNC7-2714		DOS/VS SORT/MERGE 2.0, PTF 0001, PROG PROD 5746-SM2
99	SYC7-1117-0			SYSTEM/370 OS MULTIFONT PREPROCESSOR SUPPORT LISTINGS PROGRAM NUMBER 360A-TX-031
99	SYC7-1118-0			SYSTEM/370 OS/VS MULTIFONT PREPROCESSOR SUPPORT LISTINGS PROGRAM NUMBER 5744-AE1
99	SYC7-1119-0			SYSTEM/370 DOS MULTIFONT PREPROCESSOR SUPPORT LISTINGS PROG. NO. 360A-TX-030
28	LYC7-1317-4			DOS RPG II AUTO REPORT FEATURE 6017-6020, 6035-6036 SOURCE LISTINGS, PROG PROD 5736-RG1
99	SYC7-1701-2#			BATCH TRANSFER PROGRAM DOS/VS LISTINGS PROG. NO. 5747-BW1
99	SYC7-1702-2			BATCH TRANSFER PROGRAM OS/VS1 LISTINGS - PROG. NO. 5744-CG1
99	SYC7-1703-2			BATCH TRANSFER PROGRAM OS/VS2 MVS SCP 5744-CG2
99	SYC7-1704-0			BATCH TRANSFER PROGRAM OS/VS2 SVS SCP 5744-CH1
99	GYC7-1900-0	**GNC7-1903		S/370 DISK OPERATING SYSTEM ASSEMBLER D ASSEMBLY LISTINGS PROGRAM NUMBER 370N-AS-465
99	GYC7-1901-1#	**GNC7-1924		SYSTEM/370 DISK OPERATING SYSTEM MICROFICHE ASSEMBLY LISTINGS - SYSTEM CONTROL/BASIC IOCS - PROGRAM NUMBER 370N-CL-453
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	GYC7-1915-1#			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	**GNC7-5119	S/370 DISK OPERATING SYSTEM FORTRAN IV ASSEMBLY LISTINGS - PROGRAM NO. 360N-FO-479
99	GYC7-1923-0	**GNC7-5120		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
99	GYC7-1930-0			DOS 27.1 UTILITIES GROUP 3 MICROFICHE LISTING - PROGRAM NUMBER 360N-UT-463

99	GVC7-1931-0		S/370 DISK OPERATING SYSTEM MPS UTILITY MACROS MICROFICHE ASSEMBLY LISTINGS, PROG. NO. 360N-UT-471
99	SYC7-1932-2#		DISK OPERATING SYSTEM/VIRTUAL STORAGE ATTENTION ROUTINES LISTINGS - COMPONENT NUMBER 5745-SC-AIT
99	SYC7-1933-3#	**SNC7-0456	DISK OPERATING SYSTEM/VIRTUAL STORAGE ACCESS METHOD SERVICES PROG PROD 5745-SC-AMS
99	SYC7-1934-3#		DOS/VS ASSEMBLER LISTINGS, COMPONENT NO. 5745-SC-ASM
99	SYC7-1935-1		DISK OPERATING SYSTEM/VIRTUAL STORAGE BTAM LISTINGS COMPONENT NUMBER 5745-SC-BTM
99	SYC7-1936-1	**SNC7-0457	DISK OPERATING SYSTEM/VIRTUAL STORAGE CHECKPOINT/RLSTART LISTINGS - COMPONENT NUMBER 5745-SC-CKR
99	SYC7-1937-2#		DISK OPERATING SYSTEM/VIRTUAL STORAGE DIRECT ACCESS METHOD LISTINGS - COMPONENT NUMBER 5745-SC-DAM
99	SYC7-1938-4		DISK OPERATING SYSTEM/VIRTUAL STORAGE DISK ERP LISTINGS COMPONENT NUMBER 5745-SC-DKE
99	SYC7-1939-4#		DISK OPERATING SYSTEM/VIRTUAL STORAGE DISPLAY OPERATOR CONSOLE LISTINGS - COMPONENT NUMBER 5745-SC-DOC
99	SYC7-1940-1	**SNC7-0458	DISK OPERATING SYSTEM/VIRTUAL STORAGE SEQUENTIAL DISK IOCS LISTINGS - COMPONENT NUMBER 5745-SC-DSK
99	SYC7-1942-2#	**SNC7-0459	DISK OPERATING SYSTEM/VIRTUAL STORAGE EREP LISTINGS COMPONENT NUMBER 5745-SC-ERP
99	SYC7-1943-2#		DISK OPERATING SYSTEM/VIRTUAL STORAGE MODEL 20 EMULATOR LISTINGS - COMPONENT NUMBER 5745-SC-E20
99	SYC7-1944-4#		DISK OPERATING SYSTEM/VIRTUAL STORAGE COMPILER I/O MODULES LISTINGS - COMPONENT NUMBER 5745-SC-IOM
99	SYC7-1945-1		DISK OPERATING SYSTEM/VIRTUAL STORAGE IOCS AND DEVICE INDEPENDENCE LISTINGS - COMPONENT NUMBER 5745-SC-IOX
99	SYC7-1946-2#		DISK OPERATING SYSTEM/VIRTUAL STORAGE IPL AND BUFFER LOAD LISTINGS - COMPONENT NUMBER 5745-SC-IPL
99	SYC7-1947-1		DISK OPERATING SYSTEM/VIRTUAL STORAGE ISAM LISTINGS COMPONENT NUMBER 5745-SC-ISM
99	SYC7-1948-4	**SNC7-0465	DISK OPERATING SYSTEM/VIRTUAL STORAGE JOB CONTROL LISTINGS COMPONENT NUMBER 5745-SC-JCL
99	SYC7-1949-4		DISK OPERATING SYSTEM/VIRTUAL STORAGE LIBRARIAN LISTINGS COMPONENT NUMBER 5745-SC-LBR
99	SYC7-1950-6#		DISK OPERATING SYSTEM/VIRTUAL STORAGE LINKAGE EDITOR LISTINGS - COMPONENT NUMBER 5745-SC-LNK
99	SYC7-1951-1		DISK OPERATING SYSTEM/VIRTUAL STORAGE MAGNETIC CHARACTER READER IOCS LISTINGS - COMPONENT NUMBER 5745-SC-MCR
99	SYC7-1952-1		DISK OPERATING SYSTEM/VIRTUAL STORAGE OPTICAL CHARACTER READER IOCS LISTINGS - COMPONENT NUMBER 5745-SC-OCR
99	SYC7-1953-2#		DISK OPERATING SYSTEM/VIRTUAL STORAGE OLTEP LISTINGS COMPONENT NUMBER 5745-SC-OLT
99	SYC7-1954-4		DISK OPERATING SYSTEM/VIRTUAL STORAGE PDAIDS LISTINGS COMPONENT NUMBER 5745-SC-PDA
99	SYC7-1955-1		DISK OPERATING SYSTEM/VIRTUAL STORAGE PAPER TAPE IOCS LISTINGS - COMPONENT NUMBER 5745-SC-PTP
99	SYC7-1956-2#		DISK OPERATING SYSTEM/VIRTUAL STORAGE POWER LISTINGS COMPONENT NUMBER 5745-SC-PWR
99	SYC7-1957-0	**SNC7-1957 **SNC7-1991 **SNC7-2088	DISK OPERATING SYSTEM/VIRTUAL STORAGE QTAM LISTINGS COMPONENT NO. 5745-SC-QTM
		**SNC7-1965 **SNC7-2016	
99	SYC7-1958-4		DISK OPERATING SYSTEM/VIRTUAL STORAGE RMSR LISTINGS COMPONENT NUMBER 5745-SC-RMS
99	SYC7-1959-1	**SNC7-0462	DISK OPERATING SYSTEM/VIRTUAL STORAGE SUPERVISOR LISTINGS COMPONENT NUMBER 5745-SC-SUP
99	SYC7-1960-1		DISK OPERATING SYSTEM/VIRTUAL STORAGE MAGNETIC TAPE IOCS LISTINGS - COMPONENT NUMBER 5745-SC-TAP
99	SYC7-1961-1		DISK OPERATING SYSTEM/VIRTUAL STORAGE TAPE ERP LISTINGS COMPONENT NUMBER 5745-SC-TPE
99	SYC7-1962-4	**SNC7-0463	DISK OPERATING SYSTEM/VIRTUAL STORAGE SYSTEM UTILITY PROGRAMS LISTINGS - COMPONENT NUMBER 5745-SC-UTL
99	SYC7-1963-6#		DISK OPERATING SYSTEM/VIRTUAL STORAGE VSAM LISTINGS COMPONENT NUMBER 5745-SC-VSM
99	SYC7-1964-5		DOS/VS: DOS DISTRIBUTION PROGRAM LISTINGS 5745-SC-DIS
99	SYC7-1965-10		DISK OPERATING SYSTEM/VIRTUAL STORAGE MICROFICHE MASTER INDEX
99	SYC7-1966-2		DISK OPERATING SYSTEM/VIRTUAL STORAGE DISKETTE IOCS 5745-SC-DIO
99	SYC7-1968-4#	**SNC7-0464	DISK OPERATING SYSTEM/VIRTUAL STORAGE VTAM 5745-SC-VTM
99	SYC7-1969-4#		DOS/VS TOLTEP LISTINGS - COMPONENT NO. 5745-SC-TLT
99	SYC7-1970-3#		DOS/VS SUBSYSTEM SUPPORT SERVICES - 5745-SC-SSS, LISTINGS
99	SYC7-1971-1#		DISK OPERATING SYSTEM/VIRTUAL STORAGE 3600 FINANCE COMMUNICATION SYSTEM - 5745-SC-124, LISTINGS
99	SYC7-1972-0		VTAM & 3600 SYSTEM INDEX
99	SYC7-1976-5#		DOS/VS POWER/VS RJE, SNA ICR - SCP COMPONENT 5745-SC-PWR
99	SYC7-2101-3		DOS EMULATOR LISTINGS SCP 5744-AG1
99	GVC7-2102-0		1410/7010 OS/VS EMULATOR ON SYSTEM/370 LISTINGS, PROG. NO. 5744-AG1
99	**SYC7-2103-0		7074 OS/VS EMULATOR ON SYSTEM/370 MODEL 158 VERSION 1 LEVEL 0 COMPONENT OF SBOF-6402, LISTINGS, PROG PROD 5744-AJ1
99	SYC7-2107-0		1401/1440/1460 DOS/VS EMULATOR ON SYSTEM/370 1410/7010 DOS/VS EMULATOR ON SYSTEM/370 PROG PROD 5747-CC3, LISTINGS
32	LYC7-2300-4		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	LYC7-2500-2		SYSTEM/360 OPERATING SYSTEM PL/I CHECKOUT COMPILER PROGRAM LISTING - PROGRAM NUMBER 5734-PL2
29	LYC7-2501-4		DISK OPERATING SYSTEM/360 PL/I RESIDENT LIBRARY - ASSEMBLY LISTING MICROFICHE PROGRAM NUMBER 5736-LM4

29	LYC7-2502-4#			DISK OPERATING SYSTEM/360 PL/I TRANSIENT LIBRARY ASSEMBLY LISTING MICROFICHE - PROGRAM NUMBER 5736-LM5
29	LYC7-2503-7#			DISK OPERATING SYSTEM/360 PL/I OPTIMIZING COMPILER ASSEMBLY LISTING MICROFICHE - PROGRAM NUMBER 5736-PL1
29	LYC7-2504-2			SYSTEM/360 OPERATING SYSTEM PL/I RESIDENT LIBRARY MICROFICHE - PROGRAM NUMBER 5734-LM4
29	LYC7-2505-2			OS PL/I TRANSIENT LIBRARY - MICROFICHE, PROG. NO. 5734-LM5
29	LYC7-2506-6			SYSTEM/360 OPERATING SYSTEM PL/I OPTIMIZING COMPILER MICROFICHE LISTINGS - PROGRAM NUMBER 5734-PL1
29	LYC7-5013-1			IBM DOS/360 ITF PL/I, LISTINGS - PROG. PROD. 5736-RC1
36	LYC7-5014-1			DOS ITF RELEASE II - SHARED ASSEMBLY LISTINGS - MICROFICHE
23	LYC7-5015-1			DOS ITF RELEASE II - BASIC ASSEMBLY LISTINGS - MICROFICHE PROG. PROD. 5736-RC2
29	LYC7-5016-1			IBM OS/360 ITF PL/I LISTINGS, PROG. PROD. 5734-RC1
36	LYC7-5017-1			IBM OS/360 ITF SHARED - PROG. PROD. 5734-RC1/RC3
23	LYC7-5018-1			SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY - BASIC MODULES - MICROFICHE LISTINGS - PROGRAM NUMBER 5734-RC3
25	LYC7-5019-3			IBM SYSTEM/360/370 FORTRAN IV H EXTENDED COMPILER - LISTINGS, PROG. PROD. 5734-FO3
25	LYC7-5020-3			IBM SYSTEM/360/370 FORTRAN IV LIBRARY MOD II - LISTINGS PROG. PROD. 5734-LM3
25	LYC7-5021-2			SYSTEM/360 OPERATING SYSTEM FORTRAN IV G1 COMPILER MICROFICHE LISTINGS, PROG. PROD. 5734-FO2
25	LYC7-5022-1#	**LNC7-5141		OS 360/370 FORTRAN IV LIBR. MOD I LISTING, P.P. NO. 5734-LM1
24	LYC7-5023-0			SYSTEM/360 OPERATING SYSTEM AMERICAN NATIONAL STANDARD ANS COBOL VERSION 3 LISTINGS - PROGRAM NUMBER 5734-CB1
24	LYC7-5030-4	**LJD3-3902	**LJD3-3904	DOS FULL ANS COMPILER V3 LISTINGS - PROG NO 5736-CB2
24	LYC7-5031-4	**LJD3-3907		
39	LYC7-5033-0	**LJD3-3905	**LJD3-3908	DOS FULL ANS COBOL LIBRARY V3, LISTINGS, PROG. NO. 5736-LM2
39	LYC7-5034-0	**LNC7-5033-1		TSO ITF PL/I LISTINGS, PROG. NOS. 5734-RC2, RC4
		**LNC7-5034-1		SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION INTERACTIVE TERMINAL FACILITY BASIC ONLY PROGRAM PRODUCT LISTING MICROFICHE - PROGRAM NUMBER 5734-RC4
39	LYC7-5035-0	**LNC7-5035-2		TSO ITF SHARED LISTINGS, PROG. NOS. 5734-RC2, RC4
25	LYC7-5036-2			IBM SYSTEM/360/370 CODE AND GO FORTRAN COMPILER - LISTINGS, PROG. PROD. 5734-FO1
21	LYC7-5037-2			ASSEMBLER F PROMPTER MICROFICHE LISTING, PROG PROD 5734-CP2
24	LYC7-5038-4	**LNB6-9990		IBM SYSTEM/360/370 OS FULL ANS COBOL VERSION 3 COMPILER AND LIBRARY - LISTINGS, PROG. PROD. 5734-CB1
24	LYC7-5039-0			OS FULL COBOL COMPILER VERSION 3 AND TSO COBOL PROMPTER: PROGRAM LISTINGS, PROG. NOS. 5734-CP1, 5734-CB3
24	LYC7-5040-2			IBM SYSTEM/360 OPERATING SYSTEM - TIME SHARING OPTION COBOL PROMPTER - PROGRAM NUMBERS 5734-CP1, 5734-CB3
24	LYC7-5041-8			DOS SUBSET COMPILER & LIBRARY LISTINGS - PROG. NO. 5736-CB1
25	LYC7-5042-3			SYSTEM/360 OPERATING SYSTEM FORTRAN H EXTENDED PLUS MICROFICHE - PROGRAM NUMBER 5799-AAW
25	LYC7-5044-1			DOS FORTRAN IV LIBRARY OPT 1, LISTINGS - PROG. NO. 5746-LM3
24	LYC7-5045-4	**LNB6-9984	**LNB6-9985	OS ANS COBOL COMPILER & LIBRARY LISTINGS, PROG. 5734-CB2
		**LNB6-9991		
50	LYC7-5048-5			OS VIDEO/370 LISTINGS, PROG. PROD. 5734-RC5
50	LYC7-5049-5			DOS VIDEO/370 LISTINGS - PROGRAM PRODUCT 5736-RC3
24	LYC7-5050-5#			DOS/VS COBOL COMPILER AND LIBRARY LISTINGS, PROG PROD 5746-CB1, 5746-LM4
23	LYC7-5051-2#	**LNB6-9995		VS BASIC LISTINGS - PROG PROD 5748-XX1
24	LYC7-5052-5			OS/VS COBOL COMPILER & LIBRARY LISTINGS - PROG NOS. 5740-CB1, LM1
50	LY09-0012-0			VANDL-1 LOGIC MANUAL - PROG. NO. 5799-AEY
50	LY12-5016-3#			DATA LANGUAGE/1 DISK OPERATING SYSTEM/VIRTUAL STORAGE DL/1 DOS/VS LOGIC MANUAL - PROGRAM PRODUCT 5746-XX1
50	LY12-5026-0			IBM SYSTEM/370 IMS/VS DATA BASE ANALYZER LOGIC, PROG PROD 5740-XXR OS/VS
39	LY18-1101-0*			TSO 3270 PRINTER SUPPORT PROGRAMMING RPQ U94866 SYSTEMS AND LOGIC MANUAL PROGRAM NUMBER 5799-ALB FEATURE NUMBER 8831
50	LY20-0629-4#			INFORMATION MANAGEMENT SYSTEM/360, VERSION 2 PROGRAM NUMBER 5734-XX6
50	LY20-0630-3#			SYSTEM MANUAL - LOGIC VOLUME I, FEATURE CODE 8080
22	LY20-0678-2#			IMS/360, VERSION 2, SYSTEM MANUAL VOL. 2 - FLOWCHARTS, PROG. PROD. 5734-XX6
				APL/360-OS AND APL/360-DOS SYSTEM MANUAL FEATURE NUMBERS 8091, 8034 PROGRAM NUMBERS 5734-XM6, 5736-XM6
50	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
		**LN20-9028		
50	LY20-0697-1#			GENERALIZED INFORMATION SYSTEM VERSION 2 GIS/2 SYSTEM MANUAL VOLUME 2 - PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8116
50	LY20-0698-1#			GENERALIZED INFORMATION SYSTEM VERSION 2 GIS/2 SYSTEM MANUAL VOLUME 3 - PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8117
50	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
50	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
50	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
50	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

50	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
50	LY20-0704-1			GIS/2 SYSTEM MANUAL SUPPLEMENT FOR THE HIERARCHIC FILE SUPPORT FEATURE, PROG. NO. 5734-XX1 FEATURE NO. 8120
50	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
50	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
50	LY20-0707-1#			IBM GENERALIZED INFORMATION SYSTEM VOLUME 2 GIS/2 SYSTEM MANUAL SUPPLEMENT FOR THE EDIT AND ENCODE FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8122
50	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
50	LY20-0712-3#			CUSTOMER INFORMATION CONTROL SYSTEM FEATURE NUMBER 8030 DOS-ENTRY LOGIC MANUAL - PROGRAM NUMBER 5736-XX6
50	LY20-0713-2	**LN20-9041		CUSTOMER INFORMATION CONTROL SYSTEM CICS LOGIC MANUAL PROGRAM NUMBER 5736-XX7 DOS-STANDARD FEATURE NUMBER 8031
50	LY20-0714-4#			CUSTOMER INFORMATION CONTROL SYSTEM CICS OPERATING SYSTEM STANDARD VERSION 2 - FEATURE NUMBER 8142 - LOGIC MANUAL PROGRAM NUMBER 5734-XX7
79	LY20-0728-1			STAT/BASIC FOR ITF AND VM/370 - CMS: LOGIC MANUAL, FEATURE NUMBER 8100 - PROGRAM NUMBER 5734-XA3
39	LY20-0757-3#			S/370 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE COMPUTING MUSIC RELEASE II SYSTEM GUIDE - IUP NUMBER 5796-AAT
50	LY20-0771-0			DATA BASE DESIGN EVALUATION DBPROTOTYPE PROGRAM SYSTEM GUIDE - IUP NUMBER 5796-PBB
50	LY20-0772-0			PROGRAMMING LANGUAGE FOR IMS-PLIMS SYSTEM GUIDE - IUP NUMBER 5796-PBF
50	LY20-0773-0			IMSMAP - DATA BASE MAPPING PROGRAMS SYSTEM GUIDE - IUP NUMBER 5796-PBC
50	LY20-0774-0			BTS BATCH TERMINAL SIMULATOR SYSTEMS GUIDE - IUP NUMBER 5796-PBD
50	LY20-0775-0			TEST IMS UTILITIES PROGRAM SYSTEMS GUIDE - IUP NUMBER 5796-PBE
82	LY20-0804-0	**LN20-3075	**LN20-2849	MATH/BASIC FOR SYSTEM/3 MODEL 6, ITF, AND VM/370-CMS: LOGIC MANUAL, PROG. NOS. 5703-XM2 SYSTEM/3 AND 5734-XM8 ITF AND VM/370-CMS ; FEATURE NOS. 8017, 8153
50	LY20-0809-1#			GENERALIZED INFORMATION SYSTEM VERSION 2 GIS/2 SYSTEM MANUAL SUPPLEMENT FOR THE DL/I QUERY SUPPORT FEATURE PROGRAM NUMBER 5734-XX1
50	LY20-0829-1			INTERACTIVE QUERY FACILITY IQF FOR IMS/360 VERSION 2 SYSTEM MANUAL VOLUME V, PROG. PROD. 5734-XX6
82	LY20-0840-0	**LN20-3073		BUSINESS ANALYSIS/BASIC LOGIC MANUAL, PROG. NOS. 5703-XM3 SYSTEM/3 MODEL 6 AND 5734-XMB ITF-OS/DOS/TSO, VM/370-CMS
30	LY20-0842			TELECOMMUNICATIONS CONTROL SYSTEM TCS LOGIC MANUAL FEATURE NUMBER 8112 - PROGRAM NUMBER 5734-F31
50	LY20-0870-0	**LN20-3304		DISPLAY MANAGEMENT SYSTEM II DMS II OS/V5 LOGIC MANUAL PROGRAM NUMBER 5734-XC4
37	SY20-0882-3	**SN25-0402		IBM VIRTUAL MACHINE FACILITY/370 SERVICE ROUTINES PROGRAM LOGIC
36	SY20-0884-2#			VM/370 DATA AREAS AND CONTROL BLOCK LOGIC
36	SY20-0884-1#			
36	SY20-0885-2			IBM VIRTUAL MACHINE FACILITY/370: SYSTEM LOGIC AND PROBLEM DETERMINATION GUIDE
50	LY20-0931-0			3270 FORMATTING FEATURE FOR BTS, IUP 5796-PBD, SYSTEM GUIDE FEATURE 8073
37	LY20-0932-0			TEST DATA GENERATOR SYSTEMS GUIDE PROGRAM NO. 5796-PBB FEATURE NUMBER 8064
50	LY20-0937-0			DATA COMMUNICATIONS ANALYZER DCANALYZER PROGRAM NUMBER 5796-PCA
50	LY20-0946-1			3270 SCREEN IMAGE PROCESSOR FOR IMS AND IMS/V5 - IUP 5796-AFC, SYSTEM GUIDE
50	LY20-0947-0			DB PROTOTYPE/V5 - IUP 5796-PCX, SYSTEM GUIDE
34	LY20-1996-0			VM/370 RESOURCE MANAGEMENT LOGIC, PROG 5799-ARQ
50	LY20-2043-0	**LN20-3350		DISPLAY MANAGEMENT SYSTEM II -- DOS/V5 DMS II LOGIC MANUAL, PROG. PROD. 5736-XC4
50	LY20-2045-0			FASTER LANGUAGE FACILITY FOR THE CUSTOMER INFORMATION CONTROL SYSTEM CICS/V5, LOGIC PROG. NOS. 5746-XX3 CICS/DOS/V5, 5740-XX1 CICS/OS/V5 :
				FEATURES 6019, 6020,6021,6022,6023,6024
50	LY20-2050-0			IMSMAP/V5 - IUP 5796-PCY, SYSTEM GUIDE
50	LY20-2051-0			BTS/V5 - IUP 5796-PCZ, SYSTEM GUIDE
50	LY20-2052-0			TEST IMS/V5 UTILITIES, DESCRIPTION/OPERATIONS, IUP 5796-PDA
50	LY20-2053-0			DOSMAP - DL/I DATA BASE MAPPING PROGRAMS SYSTEMS GUIDE PROG. NO. 5796-PCW
34	LY20-2059-0			VM/SGP STATISTICS GENERATING PACKAGE - IUP 5796-PDD, SYSTEM GUIDE
36	LY20-2064-0			JOB CONTROL LANGUAGE EDITOR, IUP 5796-PDC SYSTEMS GUIDE
50	LY20-2072-0			INTERACTIVE QUERY AND REPORT PROCESSOR - IQRP - IUP 5796-PDG, SYSTEMS GUIDE
34	LY20-2073-0			VM/370 GRAPHIC MONITOR, IUP 5796-PDT
30	LY20-2080-0			TELECOMMUNICATIONS CONTROL SYSTEM TCS PROGRAMMING RPQEF0378, - PROG. NO. 5799-AKL, LOGIC
30	LY20-2085-0	**LN20-3535		DATA BASE DESIGN AID LOGIC, PROG PROD 5740-XY8, 5746-XXQ
39	LY20-2090-0			3270 FULL SCREEN SUPPORT FOR PL/I AND ASSEMBLER APPLICATION UNDER TSO IUP 5796-AGH
40	LY20-2094-0			VM/370 SYSTEM FOR ONLINE TAPE AND DISK LIBRARIES - IUP 5796-AGN, SYSTEM GUIDE
37	LY20-2113-0	**LN20-3415		AUTOMATED UNIT TEST, IUP 5796-PBB, GUIDE

37	LY20-2114-0			AUTOMATED UNIT TEST, IUP 5796 - PEC, SYSTEMS GUIDE
50	LY20-2126-0	**LN20-3566		TELECOMMUNICATIONS ACCESS METHOD IMS/VIS INTERFACE LOGIC, PROG PROD 5740-XXC
50	LY20-2175-3			EXTENDED TELECOMMUNICATIONS MODULES EXTIM FEATURE OF CICS/DOS/VIS - PROG. PROD. 5746-XXB, LOGIC
34	LY20-2180-0			VS/REPACK, IUP 5796-PDZ, SYSTEMS GUIDE
30	LY20-2181-0			WIDEBAND COMMUNICATIONS PROGRAM, IUP 5796-PDJ SYSTEMS GUIDE
21	LY20-2183-0			IBM CONVERSION AID FOR RCA/TDOS ASSEMBLER TO OS/VIS ASSEMBLER, SYSTEMS GUIDE, IUP 5796-PEX, FEATURE 8634
50	LY20-2193-3			EXTENDED TELECOMMUNICATIONS MODULES FEATURE OF CICS/DOS/VIS PROBLEM DETERMINATION GUIDE PROGRAM NUMBER: 5746 XXB
24	LY20-2196-0			COBOL MAINTENANCE AND DOCUMENTATION AID IUPS 5796-AHY, 5796-AHZ SYSTEMS GUIDE
25	LY20-2199-0			FORTRAN CONVERSION AID, IUP 5796-PFG SYSTEMS GUIDE
24	LY20-2204-0			COBOL PROGRAM TRANSLATION FOR DOS AND DOS/VIS IUP 5796-PFB SYSTEMS GUIDE
24	LY20-2205-0			COBOL PROGRAM TRANSLATOR FOR OS OS/VSI AND VM/370 IUP 5796-PFC, SYSTEMS GUIDE
50	LY20-2208-0			DOS MAP - DLI, IUP 5796-PCW, SYSTEMS GUIDE
34	LY20-2217-1			SVS/MVS SYSTEM AND JOB IMPACT ANALYSIS, IUP 5796-AJF SYSTEMS GUIDE
39	LY20-2220-0			TSO-3270 STRUCTURED PROGRAMMING FACILITY LOGIC, PROG PROD 5740-XT2
50	LY20-2227-0	**LN20-3621		SYSTEM/370 DISPLAY MANAGEMENT SYSTEM PROGRAMMING RPQ Z06076 LOGIC PROG 5799-AFD
36	LY20-2228-0	**LN20-3622		IBM SYSTEM/370 SPECIAL REAL TIME OPERATING SYSTEM PROGRAMMING RPQ Z06751 SYSTEMS LOGIC, PROG 5799-AHE
30	LY20-2240-0			GTF I/O CURRENCY REPORT, IUP 5796-PGD, SYSTEMS GUIDE
22	LY20-2247-0			APL FUNCTION EDITOR FOR APLSV IUP 5796-PGX, FEATURE 8676, SYSTEM GUIDE
22	LY20-2248-0			APL FUNCTION EDITOR FOR VSAPL IUP 5796-PGY, SYSTEM GUIDE, FEATURE 8677
39	LY20-2255-0			VS APL FOR TSO, IUP 5796-ALB
34	LY20-2268-0			SMF JOB DATA COMPRESSION AID JDCA - IUP 5796-PHN, SYSTEMS GUIDE
34	LY20-2269-0	**LN20-3632		STORAGE DEVICE MIGRATION AID SDMA - IUP 5796-PHP SYSTEMS GUIDE
25	LY20-2280-0			FORTRAN INTERACTIVE SUBROUTINE LIBRARY - IUP 5796-PHT, SYSTEM GUIDE
50	LY20-2304-0			IMS SPACE MANAGEMENT UTILITIES II - LIC IUP 5796-PJJ, SYSTEMS GUIDE
50	LY20-8004-6#	**LN20-9212	**LN20-9219	IMS/VIS VERS 1, LOGIC VOL 1 OF 3, PROG PROD 5740-XX2
50	LY20-8005-3#	**LN20-9220		IMS/VIS VERS 1 LOGIC, VOL 2 OF 3, PROG PROD 5740-XX2
50	LY20-8010-0	**LN20-9074	**LN20-9226	GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE GIS/VIS PROGRAM LOGIC MANUAL VOLUME 1 - PROG. PROD. 5740-XX7
50	LY20-8011-0	**LN20-9227		GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE GIS/VIS PROGRAM LOGIC MANUAL VOLUME 2 - PROG. NO. 5740-XX7
50	LY20-8012-0	**LN20-9228		GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE GIS/VIS PROGRAM LOGIC MANUAL VOLUME 3 - PROG. NO. 5740-XX7
50	LY20-8013-0	**LN20-9229	**LN20-9241	GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE GIS/VIS PROGRAM LOGIC MANUAL SUPPLEMENT FOR THE ADVANCED QUERY FEATURE PROG. NO. 5740-XX7
50	LY20-8014-0			GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE GIS/VIS PROGRAM LOGIC MANUAL SUPPLEMENT FOR THE MODIFY FEATURE PROG. NO. 5740-XX7
50	LY20-8015-0			GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE GIS/VIS PROGRAM LOGIC MANUAL SUPPLEMENT FOR THE UPDATE/CREATE FEATURE - PROG. NO. 5740-XX7
25	LY20-8031-0	**LN20-9250		VSPC FORTRAN PROGRAM LOGIC, PROG PROD 5748-F02
22	LY20-8032-1			VS APL PROGRAM LOGIC, PROG PROD 5748-AP1
39	LY20-8036-1#	**LN20-9172	**LN20-9199	OS/VSI AND OS/VIS2 MVS VS PERSONAL COMPUTING VSPC LOGIC, PROG PRODS 5740-XR5, -XR6, -XRA
50	LY20-8037-0	**LN20-9239		DB/DC DATA DICTIONARY, PROG PRODS 5740-XXF, 5746-XXC, LOGIC
39	LY20-8039-0	**LN20-9200		DOS/VIS VS PERSONAL COMPUTING VSPC LOGIC PROG PROD 5746-XR3
50	LY20-8041-1#	**LN20-9213	**LN20-9221	IMS/VIS VERSION 1 LOGIC VOLUME 3 OF 3, PROG PROD 5740-XX2
		**LN20-9267		
32	LY20-8047-0			OS/MVT ANALYSIS PROGRAM-1 AP-1 LOGIC, PROG 5799-ARG, PRQ EG4653 FOR 3350 & 3330 MODEL 11 ON SYSTEM/370
32	LY20-8049-0			OS/MVT AND OS/VIS DASDR LOGIC - PROG PROD 5740-UT1
50	LY20-8050-0	**LN20-9249		IMS/VIS VERSION 1 FAILURE ANALYSIS STRUCTURE TABLES FAST FOR DUMP ANALYSIS, PROG PROD 5740-XX2
30	GY21-0012-2			OS BSAM LOGIC FOR IBM 1419/1275
30	GY21-0013-2			OS DATA MANAGEMENT MACRO LOGIC FOR IBM 1285/1287/1288
28	LY21-0014-2#	**LN20-9125		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
		**LN21-5199		
32	LY21-0022-0	**LN21-5167		IBM 1288 BASIC UNFORMATTED READ SYSTEM MFT/MVT/VSI/VS2 : LOGIC MANUAL, PROG. NO. 5734-UT3
30	SY21-9203-2			APPLICATION CONTROL LANGUAGE SUPPORT LOGIC MANUAL FOR IBM 3741 MODELS 3 & 4 PROGRAMMING WORK STATION
35	LY24-3606-0	**LN33-7043	**LN33-7056	IBM EMULATOR FOR HONEYWELL SERIES 200 ON SYSTEM/370 USING DOS & DOS/VIS: LOGIC, PROG. NO. 5799-ADT
35	LY24-3607-0	**LN33-7044	**LN33-7057	EMULATOR FOR RCA 301 ON SYSTEM/370 USING DOS & DOS/VIS: LOGIC, PROG. NO. 5799-ADR
37	GY24-5154-3	**GN28-2565		DOS OLTEP LOGIC
36	SY24-5155-5#	**SN24-5559		OS/VSI SUPERVISOR LOGIC
30	SY24-5156-5#	**SN24-5563	**SN24-5573	OS/VSI I/O SUPERVISOR LOGIC MANUAL
36	SY24-5159-3			OS/VSI CHECKPOINT/RESTART LOGIC
36	SY24-5160-4#	**SN24-5555		OS/VSI IPL AND NIP LOGIC
30	SY24-5162-0			OS/VIS IBM 3886 OPTICAL CHARACTER READER MODEL 1 LOGIC
30	SY24-5163-0	**SN24-5502		OS/VIS IBM 3890 DOCUMENT PROCESSOR LOGIC
20	GY24-5164-1			OS/VSI MASTER INDEX OF LOGIC

30	SY24-5165-0	**SN24-5493		OS/V5 DISKETTE COPY PROGRAMMING SUPPORT PROGRAM LOGIC
30	SY24-5166-1	**SN24-5534		OS/VS1 LOGIC FOR IBM 3540 DISKETTE INPUT/OUTPUT UNIT
30	SY24-5167-0			OS/VS2 LOGIC FOR IBM 3540 DISKETTE INPUT/OUTPUT UNIT
36	SY24-5168-0	**SN24-5524		OS/VS1 JOB MANAGEMENT LOGIC, VOLUME 1
36	SY24-5169-0	**SN24-5532		OS/VS1 JOB MANAGEMENT LOGIC, VOLUME 2
37	SY24-5170-0	**SN24-5574		OS/VS1 RECOVERY MANAGEMENT SUPPORT LOGIC
36	SY24-6000-0	**SN25-0143		OS/VS2 MVS JES2 R4 LOGIC
36	LY24-6001-0	**LN25-0146	**LN25-0144	NETWORK JOB ENTRY FACILITY FOR JES2 PROG 5740-XR8, LOGIC
36	**SY24-6051-0	**SN25-0145	**SN25-0157	JES2 RELEASE 4.1 SELECTABLE UNIT SUPPLEMENT: MVS JES2 LOGIC, SUID 5752-825
37	**SY24-6052-0			SUPPLEMENT FOR SU33: MVS DUMPING IMPROVEMENTS, 5752-833
36	**SY24-6053-0			OS/VS2 MVS JES3 3850 MASS STORAGE SYSTEM, SUID 5752-812, JES3 LOGIC SUPPLEMENT
36	**SY24-6054-0			OS/VS2 MVS 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT SUPPLEMENT, SUID 5752-829
37	SY25-7701-1#			IBM VIRTUAL MACHINE FACILITY/370: ENVIRONMENTAL RECORDING EDITING AND PRINTING EREP, LOGIC
21	LY26-3737-1	**LN33-8215		IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION ASSEMBLER PROMPTER PROGRAM LOGIC MANUAL PROGRAM NUMBER 5734-CP2
21	LY26-3760-3	**LN33-8218		OS ASSEMBLER H LOGIC PROG. NO. 5734-AS1
31	SY26-3814-0	**SN26-8022	**SN26-8032	OS/VS LOADER LOGIC
		**SN26-0771		
31	SY26-3815-0	**SN26-8020	**SN26-8033	OS/VS LINKAGE EDITOR LOGIC
		**SN26-0770	**SN26-0822	
36	SY26-3820-4#	**SN26-0844		OS/VS2 CHECKPOINT/RESTART LOGIC
30	SY26-3823-3	**SN28-2736	**SN28-2618	OS/VS2 I/O SUPERVISOR LOGIC REL 3, 3.6 WITH SN28-2618 AND SN28-2736, REL 3.7
		**SN28-2643	**SN28-2639	
30	SY26-3825-1#	**SN26-0835	**SN26-0867	OS/VS2 VSAM LOGIC
		**SN26-0895		
30	SY26-3826-3#	**SN26-0866	**SN26-0834	OS/VS2 CATALOG MANAGEMENT LOGIC
		**SN26-0890		
30	SY26-3827-1	**SN26-0823	**SN26-0843	OS/VS2 OPEN/CLOSE/EOV LOGIC: REL 3, 3.6; WITH SN26-0823, REL 3.7
		**SN26-0846	**SN26-0841	
30	SY26-3828-1	**SN26-0819	**SN26-0862	OS/VS2 MVS JES3 3850 MSS SELECTABLE UNIT: DADSM LOGIC SUPPLEMENT, SUID 5752-818
30	SY26-3831-1#			OS/VS2 BDAM LOGIC
30	SY26-3832-1	**SN26-0864		OS/VS2 SAM LOGIC
30	SY26-3833-1#			OS/VS2 ISAM LOGIC
30	SY26-3834-1	**SN26-0798	**SN26-0838	OS/VS2 VIO LOGIC
30	SY26-3836-0	**SN26-0788		OS/VS1 BDAM LOGIC
30	SY26-3837-1	**SN26-0807		OS/VS1 DADSM LOGIC: REL 4; WITH SN26-0807, REL 5
30	SY26-3838-0	**SN26-0812		OS/VS1 ISAM LOGIC
30	SY26-3839-3#			OS/VS1 OPEN/CLOSE/EOV LOGIC
30	SY26-3840-2	**SN26-0880		OS/VS1 SAM LOGIC
30	SY26-3841-1	**SN26-0818	**SN26-0883	OS/VS1 VIRTUAL STORAGE ACCESS METHOD VSAM LOGIC: REL 4; WITH GN26-0818, REL 5; AND SN26-0883, REL 6
32	SY26-3851-0	**SN26-0889		OS/VS ANALYSIS PROGRAM-1 AP-1 LOGIC
32	SY26-3852-1			DOS/VS ANALYSIS PROGRAM-1 AP-1 LOGIC
30	SY26-3853-0			OS/VS2 SVS INDEPENDENT COMPONENT: IBM 3350 & 3340/3344 LOGIC
30	SY26-3854-0			OS/VS2 SVS INDEPENDENT COMPONENT: 3800 PRINTING SUBSYSTEM LOGIC, SCP 5742-017, FEATURES 5081, 5082, 5470, AND 5471
30	SY26-3856-0			OS/VS2 SVS INDEPENDENT COMPONENT: ACCESS METHOD SERVICES LOGIC
30	SY26-3857-0			OS/VS2 SVS INDEPENDENT COMPONENT: VIRTUAL STORAGE ACCESS METHOD VSAM LOGIC
30	SY26-3858-0			OS/VS2 DADSM LOGIC COLLATED VERSION
30	SY26-3859-0			OS/VS2 VIO LOGIC COLLATED VERSION
30	SY26-3860-0			OS/VS2 CVOL PROCESSOR LOGIC COLLATED VERSION
30	SY26-3861-0			OS/VS2 SVS INDEPENDENT COMPONENT: IBM 3850 MASS STORAGE SYSTEM MSS LOGIC
30	**SY26-3864-0			OS/VS2 MVS JES3 3850 MSS SELECTABLE UNIT: DADSM SUPPLEMENT SUID 5752-818
30	SY26-3865-0			OS/VS2 MVS JES3 MSS SUPPLEMENT, SUID 5752-818
36	**SY26-3868-0			OS/VS2 MVS SYSTEM SECURITY SUPPORT SUPPLEMENT, SUID 5752-832
30	**SY26-3869-0			OS/VS2 MVS SYSTEM SECURITY SUPPORT SELECTABLE UNIT: DADSM LOGIC SUPPLEMENT, SUID 5752-832
30	**SY26-3870-0			OS/VS2 MVS SYSTEM SECURITY SUPPORT SUPPLEMENT, SUID 5752-832
32	**SY26-3871-0			OS/VS2 MVS SYSTEM SECURITY SUPPORT SELECTABLE UNIT SUPPLEMENT SUID 5752-832
37	GY27-7198-2			IBM SYSTEM/360 OPERATING SYSTEM: MACHINE-CHECK HANDLER FOR SYSTEM/370 MODELS 155 THRU 168 LOGIC, P/N 360S-DN-539
35	GY27-7228-1	**GN33-7084		7074 OS EMULATOR ON MODELS 165/168 - LOGIC
35	GY27-7229-1	**GN33-7087		PROG. NOS. 360C-EU-739 OS, 5744-AK1 VS1, VS2 7080 OS EMULATOR ON MODELS 165/168: LOGIC, PROG. NOS. 360C-EU-737 MFT/MVT, 5744-AL1 VS1/VS2
50	LY27-7230-2			VIDEO/370 LOGIC MANUAL - PROGRAM NUMBERS 5734-RC5, 5736-RC3
37	GY27-7237-1			IBM SYSTEM/360 OPERATING SYSTEM: MACHINE-CHECK HANDLER FOR SYSTEM/370 MODELS 135 AND 145 LOGIC, P/N 360S-DN-539
35	GY27-7238-0	**GN27-1409	**GN33-7085	7074 OS EMULATOR ON MODELS 155/158 LOGIC PROG. NOS. 360C-EU-741 OS; 5744-AJ1 VS1, VS2
37	SY27-7239-2			OS/VS RECOVERY MANAGEMENT SUPPORT LOGIC: SVS REL 1.6; VS1 REL 4, 5
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
36	SY27-7243-1			OS/VS2 IPL AND NIP LOGIC: REL 1.6 ONLY
36	SY27-7244-1#			OS/VS2 SUPERVISOR LOGIC THROUGH RELEASE 1.6 ONLY
30	GY27-7245-1			DOS VERSION 4 BTAM LOGIC, PROG. NO. 370N-CQ-469
30	SY27-7246-2#	**SN30-3062		OS/VS BTAM LOGIC
30	SY27-7249-0	**SN27-1492		DOS/VS QTAM LOGIC MANUAL

37	SY27-7250-1	**SN27-1505	**SN28-2644	OS/VS2 RECOVERY MANAGEMENT SUPPORT LOGIC REL 2; WITH
		**SN28-2641		SN27-1505, REL 3, 3.6, 3.7
30	SY27-7251-1	**SN27-1513	**SN30-3047	DOS/VS BTAM LOGIC MANUAL
		**SN30-3076		
36	GY27-7255-0	**GN27-1555	**GN25-0122	OS/VS2 HASP II VERSION 4 LOGIC MANUAL - PROGRAM NUMBER
				370H-TX-001
30	SY27-7256-3#	**SN27-1552		INTRODUCTION TO VTAM LEVEL 2 LOGIC: MVS; SVS REL 1.7;
				VS1 REL 5; WITH SN27-1552, VS1 REL 6; DOS/VS PLANNING ONLY
30	SY27-7257-1	**SN27-1550	**SN27-1551	OS/VS1 VTAM LOGIC
35	GY27-7259-0	**GN33-7089		7094 OS EMULATOR ON MODELS 165/168: LOGIC, PROG. NOS.
				360C-EU-740 MFT/MVT & 5744-AM1 VS1/VS2
30	SY27-7260-0	**SN27-1465		OS/VS2 GRAPHIC ACCESS METHOD LOGIC
30	SY27-7262-3#			DOS/VS VTAM LOGIC
30	SY27-7265-2#			DOS/VS VTAM LEVEL 2 DATA AREAS
30	SY27-7266-1	**SN27-1541		OS/VS1 VTAM DATA AREAS
30	SY27-7267-2#	**SN31-0663		OS/VS2 MVS VTAM LEVEL 2 DATA AREAS
30	SY27-7269-0	**SN31-0676		OS/VS2 MVS VTIOC AND TCAS LOGIC
30	SY27-7270-1#			DOS/VS VTAM LEVEL 2 EXECUTION SEQUENCES
30	SY27-7271-0			OS/VS VTAM LEVEL 2 EXECUTION SEQUENCES
30	SY27-7272-0			OS/VS2 MVS VTAM LEVEL 2 EXECUTION SEQUENCE LOGIC
30	SY27-7273-0			SUPPLEMENT TO DOS/VS REL 32 LOGIC PUBLICATION FOR RUNNING
				THE BATCH TRANSFER PROGRAM BTP AS A SUBTASK OF VTAM
30	SY27-7276-0			OS/VS2 SVS VTAM LOGIC
30	SY27-7277-0			OS/VS2 SVS VTAM DATA AREAS
30	SY27-7278-0			OS/VS2 SVS VTAM EXECUTION SEQUENCES
30	**LY27-8026-0			NETWORK OPERATION LOGIC, PROG PROD 5735-XX2 DOS/VS, OS/VS
20	GY28-0603-0			OS/VS MASTER INDEX OF LOGIC
36	SY28-0605-5#	**SN24-5558		OS/VS1 SYSTEM DATA AREAS
36	SY28-0612-0	**SN28-2623		OS/VS2 JES3 LOGIC
36	SY28-0620-0			OS/VS2 JOB MANAGEMENT LOGIC SVS
30	SY28-0621-1#	**SN27-1549		OS/VS2 MVS VTAM LEVEL 2 LOGIC
36	SY28-0622-2#			OS/VS2 JES2 LOGIC: VS2 REL 1.6 THROUGH 3.6
36	SY28-0623-1#	**SN28-2617	**SN28-2642	OS/VS2 SYSTEM INITIALIZATION LOGIC REL 2, 3, 3.6; WITH
		**SN28-2640	**SN28-2638	SN28-2617, REL 3.7
36	SY28-0626-1			OS/VS2 SCHEDULER AND SUPERVISOR LOGIC VOLUME 3 OF 3
37	SY28-0635-2#			OS/VS1 SERVICE AIDS LOGIC
37	SY28-0643-4#			OS/VS2 SERVICE AIDS LOGIC
39	SY28-0650-2	**SN28-2631	**SN28-2661	OS/VS2 TSO TERMINAL MONITOR PROGRAM AND SERVICE ROUTINES
		**SN28-2645		LOGIC REL 3; WITH SN28-2631, REL 3.7
39	SY28-0651-2#			OS/VS2 TSO COMMAND PROCESSOR LOGIC VOLUME I: ACCOUNT
39	SY28-0652-2	**SN28-2630	**SN28-2662	OS/VS2 TSO COMMAND PROCESSOR LOGIC VOLUME IV
				REL 3; WITH SN28-2630, REL 3.7
39	SY28-0653-0			OS/VS2 TSO ENHANCEMENTS NO. 2 LOGIC
39	SY28-0654-2#	**SN28-2646	**SN28-2663	OS/VS2 TSO TERMINAL MESSAGES DIRECTORY
39	SY28-0655-0			OS/VS2 TSO SUPPORT FOR VS BASIC LOGIC: REL 1.6, 1.7
39	SY28-0659-0			OS/VS2 TSO ENHANCEMENTS LOGIC
38	SY28-0660-0			OS/VS1 RES ACCOUNT FACILITY LOGIC
37	SY28-0662-2#	**SN25-0330		OS/VS1 OLTEP LOGIC
37	SY28-0664-2#			DOS/VS AND OS/VS TOLTEP LOGIC
37	SY28-0669-3			OS/VS1, SYS1.LOGREC ERROR RECORDING LOGIC
37	SY28-0672-0			OS/VS1 DYNAMIC SUPPORT SYSTEM LOGIC
37	SY28-0676-1#	**SN25-0329		OS/VS2 OLTEP LOGIC
37	SY28-0678-4#			OS/VS2 SYS1.LOGREC ERROR RECORDING LOGIC
37	SY28-0679-0			OS/VS2 DYNAMIC SUPPORT SYSTEM LOGIC
37	SY28-0685-4			OS/VS SYSTEM MODIFICATION PROGRAM SMP LOGIC
36	SY28-0687-0			OS/VS POWER WARNING FEATURE PWF SUPPORT LOGIC-ICR GUIDE
36	SY28-0713-1#	**SN28-2892		OS/VS2 SYSTEM LOGIC LIBRARY - VOLUME 1 OF 7
	SY28-0713-0#			
36	SY28-0714-1#			OS/VS2 SYSTEM LOGIC LIBRARY - VOLUME 2 OF 7
	SY28-0714-0#			
36	SY28-0715-1#			OS/VS2 SYSTEM LOGIC LIBRARY - VOLUME 3 OF 7
	SY28-0715-0#			
36	SY28-0716-1#			OS/VS2 SYSTEM LOGIC LIBRARY - VOLUME 4 OF 7
	SY28-0716-0#			
36	SY28-0717-1#			OS/VS2 SYSTEM LOGIC LIBRARY - VOLUME 5 OF 7
	SY28-0717-0#			
36	SY28-0718-1#			OS/VS2 SYSTEM LOGIC LIBRARY - VOLUME 6 OF 7
	SY28-0718-0#			
36	SY28-0719-1#			OS/VS2 SYSTEM LOGIC LIBRARY - VOLUME 7 OF 7
	SY28-0719-0#			
30	LY28-0730-1#	**LN28-2888		OS/VS2 MVS RACF LOGIC MANUAL, PROG PROD 5740-XXH
34	LY28-0739-0			OS/VS2 I/O SUPERVISOR LOGIC COLLATED VERSION
				OS/VS2 RECOVERY MANAGEMENT SUPPORT LOGIC COLLATED VERSION
39	LY28-0749-0			OS/VS2 SYSTEM INITIALIZATION LOGIC COLLATED VERSION
30	SY28-0757-0			OS/VS ENVIRONMENTAL RECORDING EDITING AND PRINTING EREP
37	SY28-0758-0	**SN28-2832		PROGRAM LOGIC, SUID 5741-601, 5752-827, ICR 5742
36	SY28-0759-0	**SN28-2831		SUPPLEMENT FOR SU 24: MSS PROG ENHANCEMENTS, 5752-824
37	SY28-0773-0			SUPPLEMENT FOR SU 24: MSS PROG ENHANCEMENTS, 5752-824
				OS/VS2 MVS MSS ENHANCEMENTS SELECTABLE UNIT: SYSTEM
				LOGIC LIBRARY SUPPLEMENT VOL. 2 SUID 5752-824
36	**SY28-0792-0			OS/VS2 MVS MSS ENHANCEMENTS SELECTABLE UNIT: SYSTEM
				LOGIC LIBRARY SUPPLEMENT VOL. 3 SUID 5752-824
36	**SY28-0793-0			OS/VS2 MVSS MSS ENHANCEMENTS SELECTABLE UNIT: SYSTEM
				LOGIC LIBRARY SUPPLEMENT VOL. 6 SUID 5752-824
36	**SY28-0794-0			SUPPLEMENT FOR SU 24: MSS PROG ENHANCEMENTS, 5752-824
36	**SY28-0795-0			OS/VS2 MVS MSS ENHANCEMENTS SELECTABLE UNIT: SYSTEM
				INITIALIZATION LOGIC SUPPLEMENT SELECTABLE UNIT ID 5752-824
36	**SY28-0796-0			OS/VS2 MVS JES3 3850 MASS STORAGE SYSTEM SELECTABLE UNIT:
				SYSTEM LOGIC LIBRARY VOL 3 - SUPPLEMENT SUID 5752-818
36	**SY28-0797-0			OS/VS2 MVS DUMPING IMPROVEMENTS, SELECTABLE UNIT 5752-833:
36	**SY28-0798-0			SUPPLEMENT TO SYSTEM INITIALIZATION LOGIC
36	SY28-0808-0			
36	SY28-0826-0			

36	SY28-0827-0			OS/VS2 MVS DUMPING IMPROVEMENTS SELECTABLE UNIT SYSTEM LOGIC LIBRARY VOL 1 SUPPLEMENT, SUID 5752-833
36	SY28-0828-0			OS/VS2 MVS DUMPING IMPROVEMENTS SELECTABLE UNIT SYSTEM LOGIC LIBRARY VOL 2 SUPPLEMENT, SUID 5752-833
36	SY28-0830-0			OS/VS2 MVS DUMPING IMPROVEMENTS SELECTABLE UNIT SYSTEM LOGIC LIBRARY VOL 4 SUPPLEMENT, SUID 5752-833
36	SY28-0831-0			OS/VS2 MVS DUMPING IMPROVEMENTS SELECTABLE UNIT SYSTEM LOGIC LIBRARY VOL 5 SUPPLEMENT, SUID 5752-833
36	SY28-0832-0			OS/VS2 MVS DUMPING IMPROVEMENTS SELECTABLE UNIT SYSTEM LOGIC LIBRARY VOL 6 SUPPLEMENT, SUID 5752-833
36	SY28-0833-0			OS/VS2 MVS DUMPING IMPROVEMENTS SELECTABLE UNIT SYSTEM LOGIC LIBRARY VOL 7 SUPPLEMENT, SUID 5752-833
36	**SY28-0837-0			OS/VS2 MVS MSS ENHANCEMENTS SYSTEM LOGIC LIBRARY - VOL 1, SUPPLEMENT - SUID 5752-824
39	**SY28-0850-0			OS/VS2 MVS SYSTEM SECURITY SUPPORT SUPPLEMENT: TSO TERMINAL MESSAGES DIRECTORY SU ID 5752-832
36	**SY28-0855-0			OS/VS2 MVS SYSTEM SECURITY SUPPORT SU32 SYSTEM LOGIC LIBRARY SUPPLEMENT VOL 1, SUID 5752-832
36	**SY28-0856-0			OS/VS2 MVS SYSTEM SECURITY SUPPORT SU32 SYSTEM LOGIC LIBRARY SUPPLEMENT VOL 3, SUID 5752-832
36	**SY28-0857-0			OS/VS2 MVS SYSTEM SECURITY SUPPORT SU32 SYSTEM LOGIC LIBRARY SUPPLEMENT VOL 7, SUID 5752-832
36	SY28-0858-0			OS/VS2 MVS JES3 3850 MASS STORAGE SYSTEM SELECTABLE UNIT: SYSTEM LOGIC LIBRARY VOL 1 - SUPPLEMENT SUID 5752-818
37	**SY28-0859-0			OS/VS2 MVS DUMPING IMPROVEMENTS SELECTABLE UNIT: OS/VS ENVIRONMENTAL RECORDING EDITING AND PRINTING EREP PROGRAM LOGIC SUPPLEMENT SELECTABLE UNIT ID 5752-833
36	**SY28-0860-0			OS/VS2 MVS SYSTEM SECURITY SUPPORT SU32 SYSTEM LOGIC LIBRARY SUPPLEMENT VOL 2, SUID 5752-832
30	**SY28-0863-0			OS/VS2 MVS 3895 DEVICE SUPPORT SUID 5752-830: I/O SUPERVISOR LOGIC
36	SY28-0875-0			OS/VS2 MVS ATTACHED PROCESSOR SYSTEM FOR 370 MODELS 158, 168 SELECTABLE UNIT: SYSTEM INITIALIZATION LOGIC, SUID 5752-847 SUPPLEMENT
36	SY28-0876-0			OS/VS2 MVS ATTACHED PROCESSOR SYSTEM SU 47 SYSTEM LOGIC LIBRARY VOL 2 SUPPLEMENT, SUID 5752-847
36	SY28-0877-0			OS/VS2 MVS ATTACHED PROCESSOR SYSTEM SU 47 SYSTEM LOGIC LIBRARY VOL 4 SUPPLEMENT, SUID 5752-847
37	SY28-0878-0			OS/VS2 MVS ATTACHED PROCESSOR SYSTEM FOR 370 MODELS 158, 168 SELECTABLE UNIT SU ID 5752-847 : RECOVERY MANAGEMENT SUPPORT LOGIC SUPPLEMENT
37	**SY28-0880-1			SUPPLEMENT FOR SU47: MVS ATTACHED PROCESSOR SYSTEM FOR MODELS 158/168, 5752-847
30	**SY28-0893-0			OS/VS2 MVS HARDWARE RECOVERY ENHANCEMENTS: I/O SUPERVISOR LOGIC SUPPLEMENT - SUID 5752-855
37	**SY28-0894-0			SUPPLEMENT FOR SU55: HARDWARE RECOVERY ENHANCE, 5752-855
36	**SY28-0895-0			OS/VS2 MVS HARDWARE RECOVERY ENHANCEMENTS: SYSTEM INITIALIZATION LOGIC SUPPLEMENT - SUID 5752-855
36	**SY28-0896-0			OS/VS2 MVS HARDWARE RECOVERY SYSTEM LOGIC LIBRARY VOL 1 SUPPLEMENT - SUID 5752-855
36	**SY28-0897-0			SUPPLEMENT FOR SU55 TO VOL 2 LOGIC: HARDWARE RECOVERY ENHANCEMENTS, 5752-855
36	**SY28-0898-0			SUPPLEMENT FOR SU55 TO VOL 4 LOGIC: HARDWARE RECOVERY ENHANCEMENTS, 5752-855
36	**SY28-0899-0			SUPPLEMENT FOR SU55 TO VOL 5 LOGIC: HARDWARE RECOVERY ENHANCEMENTS, 5752-855
36	**SY28-0901-0			SUPPLEMENT FOR SU55 TO VOL 7 LOGIC: HARDWARE RECOVERY ENHANCEMENTS, 5752-855
34	**LY28-0923-1#			OS/VS2 MVS RESOURCE MEASUREMENT FACILITY RMF VERSION 2 LOGIC, PROG PROD 5740-XY4
30	LY28-0923-0#			OS/VS2 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT SELECTABLE UNIT SUPPLEMENT: I/O SUPERVISOR LOGIC, SUID 5752-829
36	**SY28-0929-0			OS/VS2 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT SELECTABLE UNIT SUPPLEMENT: SYSTEM INITIALIZATION LOGIC, SUID 5252-829
36	**SY28-0930-0			OS/VS2 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT SUPPLEMENT: SYSTEM LOGIC LIBRARY VOL1, SUID 5752-829
36	**SY28-0931-0			OS/VS2 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT SUPPLEMENT, SYSTEM LOGIC LIBRARY VOL 2, SUID 5752-829
36	**SY28-0932-0			OS/VS2 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT SUPPLEMENT, SYSTEM LOGIC LIBRARY VOL 3, SUID 5752-829
36	**SY28-0933-0			OS/VS2 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT SUPPLEMENT, SYSTEM LOGIC LIBRARY VOL 6, SUID 5752-829
36	**SY28-0934-0			OS/VS2 3838 VECTOR PROCESSING SUBSYSTEM SUPPORT SUPPLEMENT, SYSTEM LOGIC LIBRARY VOL 7, SUID 5752-829
36	GY28-2009-2	**GN28-3146	**GN28-3193	IBM TIME SHARING SYSTEM -- SYSTEM LOGIC SUMMARY
		**GN28-3219		
25	LY28-6403-0	**LN28-0604		FORTRAN IV H EXTENDED COMPILER FOR OS AND VM/370 CMS , LOGIC - PROG PROD 5734-FO3
24	LY28-6406-2#	**LN20-9167		OS TSO COBOL PROMPTER LOGIC, PROG PROD 5734-CP1
24	LY28-6407-2			IBM SYSTEM/360 OPERATING SYSTEM FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3 PROGRAM LOGIC MANUAL, PROGRAM NUMBER 5734-CB1
25	LY28-6408-1			FORTRAN IV LIBRARY MOD I FOR OS & VM/370 CMS : PROGRAM LOGIC MANUAL, PROGRAM NUMBER 5734-LM1
25	LY28-6409-1#			FORTRAN IV LIBRARY MOD II FOR OS AND VM/370 CMS LOGIC, PROG PROD 5734-LM3
24	LY28-6412-0	**LN28-0462	**LN28-0485	DOS FULL ANS COMPILER VERSION 3, LOGIC, PROG PROD 5736-CB2
		**LN28-1031	**LN20-9127	
24	LY28-6413-1#			DOS FULL ANS COBOL SUBROUTINE LIBRARY VER 3, LOGIC, PROG PROD 5736-LM2
24	LY28-6414-1#			DOS SUBSET ANS COBOL COMPILER AND LIBRARY LOGIC PROG PROD 5736-CB1
25	LY28-6415-0			SYSTEM/360 OS FORTRAN IV H EXTENDED PLUS COMPILER AND LIBRARY, PRPQ LOGIC SUPPLEMENT, PROG 5799-AAW

24	LY28-6419-1	**LN20-9195		OS FULL ANS COBOL SUBROUTINE LIBRARY VERSION 4 LOGIC, PROG PROD 5734-LM2
24	LY28-6420-1#	**LN20-9196		OS FULL ANS COBOL COMPILER VERS 4 LOGIC, PROG PROD 5734-CB2
23	LY28-6422-2#			SYSTEM/370 VS BASIC: PROGRAM LOGIC, PROG. PROD. 5748-XX1
24	LY28-6423-1	**LN20-9119	**LN20-9182	IBM DOS/VS COBOL COMPILER PROGRAM LOGIC - PROGRAM NUMBER 5746-CB1
24	LY28-6424-1#	**LN20-9183	**LN20-9237	IBM DOS/VS COBOL SUBROUTINE LIBRARY PROGRAM LOGIC - PROGRAM NUMBER 5746-LM4
24	LY28-6425-1#	**LN20-9122		OS/VS COBOL SUBROUTINE LIBRARY LOGIC, PROG PROD 5740-LM1
24	LY28-6486-2#			IBM OS/VS COBOL COMPILER PROGRAM LOGIC PROGRAM NUMBERS: 5740-CB1
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
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	LY28-6766-2			OS/MVT & OS/VS2 TSO DATA UTILITIES: COPY, FORMAT, LIST, MERGE: LOGIC MANUAL, PROG. NO. 5734-UT1
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	**LN28-0429	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		CODE AND GO FORTRAN PROCESSOR FOR OS & VM/370 Cms : PROGRAM LOGIC, PROG. NO. 5734-FO1
30	SY28-6849-4#	**SN24-5580		OS/VS1 RES RTAM AND WORKSTATION SUPPORT LOGIC
25	LY28-6856-0	**LN28-1013		FORTRAN IV G1 COMPILER FOR OS & VM/370 CMS , LOGIC, PROG PROD 5734-F02
30	**GY30-1024-0	**GN30-3089		OS/VS TCAM PROGRAM REFERENCE SUMMARY TCAM LEVEL 10: 5741-602 OS/VS1 SUID ; 5742-UY99915 OS/SVS ICR ; 5752-836 OS/MVS SUID
38	GY30-2011-1	**GN28-0599	**GN28-0614	OS/MFT, OS/MVT, AND OS/VS1: CRJE LOGIC
		**GN28-0617		
30	SY30-2039-3			OS/VS TCAM LOGIC - PROGRAM NUMBER 5741-SC1-21
30	SY30-2040-1	**SN30-3512	**SN30-3050	OS/VS2 TCAM LEVEL 8 LOGIC
		**SN30-3038		
30	SY30-2049-2#	**SN30-3042		OS/VS TCAM LEVEL 5 LOGIC
30	SY30-2059-0			OS/VS TCAM LEVEL 6 LOGIC: VS2 REL 2
30	SY30-2069-1	**SN30-3509	**SN30-3051	OS/VS1 TCAM LEVELS 8 & 9 LOGIC
30	GY30-3000-1			IBM 3735 PROGRAMMABLE BUFFERED TERMINAL FORM DESCRIPTION MACRO INSTRUCTIONS AND FORM DESCRIPTION UTILITY PROGRAM LOGIC MANUAL OS, DOS, AND VS SYSTEMS
30	SY30-3001-2	**SN30-3072		3704 & 3705 COMMUNICATION CONTROLLERS EMULATION PROGRAM: PROGRAM LOGIC MANUAL
30	LY30-3004-2			GENERATION AND LOGIC MANUAL FOR PROGRAMMING RPQ P85007 SPECIAL START-STOP LINE CONTROL FOR IBM 3704 & 3705 EMULATION PROGRAM, PROG. NO. 5799-AGK
30	LY30-3005-0			GENERATION AND LOGIC MANUAL FOR PROGRAMMING RPQ P85004, SIX BIT TRANSCODE FOR IBM 3705 EMULATION PROGRAM PROGRAM NO. 5799-AGA
14	SY30-3006-1			IBM 3705 EMULATION PROGRAM GENERATION AND LOGIC MANUAL FOR PROGRAM SUPPORT FOR HARDWARE RPQ M26099 SABRE LINE CONTROL
30	SY30-3007-0			3704 & 3705 NETWORK CONTROL PROG/VS VERSION 2 LOGIC
30	LY30-3009-0			IBM 3705 EMULATION PROGRAM GENERATION AND LOGIC MANUAL FOR PROGRAMMING RPQ P85005, SPECIAL SYNCHRONOUS LINE CONTROL PROGRAM NO. 5799-AFY
30	LY30-3010-1			3704 & 3705 EMULATION PROGRAM GENERATION & LOGIC MANUAL FOR PROGRAMMING RPQ P85003 USASCII TRANSPARENCY BSC LINE CONTROL PROGRAM NUMBER 5799-AFZ
30	GY30-3012-5#	**GN30-3096		IBM 3704 AND 3705 PROGRAM REFERENCE HANDBOOK
30	GY30-3012-4#			
30	SY30-3013-3#	**SN30-3080		3704 & 3705 NCP/VS VERSION 5 LOGIC
14	SY30-3014-0			IBM 3705 EMULATION PROGRAM GENERATION AND LOGIC MANUAL FOR RPQ 858663, PLOTTER ADAPTER - PSHPQ P85008 - PROG. NO. 5799-WFA
30	LY30-3016-0			IBM 3705 EMULATION PROGRAM GENERATION AND LOGIC MANUAL FOR PROGRAMMING RPQ P85015, VIRTUAL 50 LINE SUPPORT - PROG. NO. 5799-AKQ
30	SY30-3017-5#	**SN27-1587		SYSTEM/370 SUBSYSTEM SUPPORT SERVICES LEVEL 4 LOGIC

30	LY30-3023-0			1Bm 3704 AND 3705 EMULATION PROGRAM GENERATION AND LOGIC MANUAL FOR PROGRAMMING RPO P85010, TELEGRAPH FULL - DUPLEX LINE CONTROL - PROG. NO. 5799-AGN
30	SY30-3024-0			IBM 3650 SUBSYSTEM PROGRAM PREPARATION SUPPORT TRANSFORMATION DEFINITION LANGUAGE TRANSLATOR LOGIC
30	SY30-3026-0			SYSTEM/370 SUBSYSTEM SUPPORT SERVICES LEVEL 3.1 COMPONENT RELEASE LOGIC
30	SY30-3031-1	**SN30-3095		IBM 3705 COMMUNICATIONS CONTROLLER EMULATION LOGIC OS/VS2 TCAM LEVEL 10 LOGIC SELECTABLE UNIT SU IDENTIFIERS: 5741-602 OS/VS1 SU ID, 5742-UY99915 OS/SVS ICR; 5752-836 OS/MVS SU ID
30	SY30-3032-1			PL/I LANGUAGE SPECIFICATIONS OS PL/I OPTIMIZING COMPILER: PROGRAM LOGIC MANUAL PROGRAM NUMBER 5734-PL1
29	GY33-6003-2			SYSTEM/360 OPERATING SYSTEM PL/I RESIDENT LIBRARY: PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5734-LM4
29	LY33-6007-1	**LN33-6176		OS PL/I TRANSIENT LIBRARY: PROGRAM LOGIC MANUAL PROGRAM NUMBER 5734-LM5
29	LY33-6008-1#	**LN33-6181		DOS PL/I OPTIMIZING COMPILER: PROGRAM LOGIC PROGRAM PRODUCT 5736-PL1
29	LY33-6009-1#	**LN33-6149	**LN33-6182	DOS PL/1 RESIDENT LIBRARY: PROGRAM LOGIC MANUAL PROGRAM NUMBER 5736-LM4
29	LY33-6010-1	**LN33-6079	**LN33-6115	DOS PL/I TRANSIENT LIBRARY - PROGRAM LOGIC MANUAL PROGRAM NUMBER 5736-LM5
29	LY33-6011-1	**LN33-6175	**LN33-6179	DOS PL/I OPTIMIZING COMPILER: PROGRAM LOGIC PROGRAM PRODUCT 5736-PL1
29	LY33-6012-1	**LN33-6180		DOS PL/1 RESIDENT LIBRARY: PROGRAM LOGIC MANUAL PROGRAM NUMBER 5736-LM4
29	LY33-6013-2#	**LN33-6177		DOS PL/I TRANSIENT LIBRARY - PROGRAM LOGIC MANUAL PROGRAM NUMBER 5736-LM5
29	LY33-6014-1	**LN33-6178		OS PL/I CHECKOUT COMPILER: PROGRAM LOGIC VOLUME 1 OF 2, PROGRAM NUMBER 5734-PL2
50	LY33-6028-0	**LN33-6212	**LN33-6230	SYSTEM/360 OPERATING SYSTEM PL/I CHECKOUT COMPILER PROGRAM LOGIC, VOLUME 2 OF 2 - PROGRAM NUMBER 5734-PL2
50	LY33-6029-0	**LN33-6229		CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE CICS/VS LOGIC DOS/VS, PROG PROD 5746-XX3
35	SY33-7008-0	**SN33-7019	**SN33-7022	CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE CICS/VS PROGRAM LOGIC OS/VS - PROGRAM NUMBER 5740-XX1
35	SY33-7009-0	**SN33-7042	**SN33-7033	1401/1440/1460 DOS EMULATOR ON SYSTEM/370: LOGIC, PROG. NOS. 370N-EU-490 DOS, 5745-SC-EML DOS/VS
35	SY33-7010-1	**SN33-7054	**SN33-7023	1410/7010 DOS EMULATOR ON SYSTEM/370 LOGIC, PROG. NOS. 370N-EU-490 DOS, 5745-SC-EML DOS/VS
35	SY33-7015-0	**SN33-7031	**SN33-7055	MODEL 20 EMULATOR ON SYSTEM/370 USING DOS AND DOS/VS LOGIC - PROG. NOS. 370N-IC-002 AND 5745-SC-E20
35	SY33-7016-0	**SN33-7053	**SN33-7064	DOS TO OS/VS EMULATOR: LOGIC, PROG. NO. 5744-AS1
35	SY33-7017-0	**SN33-7069	**SN33-7082	1401/1440/1460 OS/VS EMULATOR ON SYSTEM/370, LOGIC - PROG. NO. 5744-AH1
35	GY33-7018-0	**SN33-7099		1410/7010 OS/VS EMULATOR ON SYSTEM/370 - LOGIC, PROG. NO. 5744-AG1
35	GY33-7019-0			DOS TO OS EMULATOR - LOGIC PROGRAM NUMBER 360C-EU-738 1401/1440/1460 OS/MFT AND OS/MVT EMULATOR ON SYSTEM/370 - LOGIC, PROG. NO. 360C-EU-735
35	GY33-7020-0			1410/7010 OS/MFT AND OS/MVT EMULATOR ON SYSTEM/370 LOGIC PROG. NO. 360C-EU-736
33	LY33-8038-0	**LN33-8189	**LN33-8224	DOS/VS SORT/MERGE LOGIC - PROGRAM NUMBER 5746-SM1
33	LY33-8039-1#			DOS SORT/MERGE PROGRAM LOGIC MANUAL PROGRAM NUMBER 5743-SM1
21	SY33-8041-1	**SN33-8192		OS/VS, VM/370 ASSEMBLER LOGIC OS/VS SORT/MERGE LOGIC - PROG. PROD. 5740-SM1
33	LY33-8042-5			DOS/VS SORT/MERGE VERSION 2 LOGIC, PROG PROD 5746-SM2
33	LY33-8044-0			DOS VERSION 4 LOGICAL TRANSIENTS, LOGIC - PROG. 370N-CL-453
36	GY33-8532-0	**GN33-8725		INTRODUCTION TO DOS VERSION 4 LOGIC - PROGRAM NUMBER 370N-CL-453
36	GY33-8533-0			DOS VERSION 4 SUPERVISOR AND RELATED TRANSIENTS - PROGRAM LOGIC MANUAL - PROGRAM NUMBER 370N-CL-453
36	GY33-8534-0	**GN33-8727	**GN33-8755	DOS VERSION 4 SYSTEM SERVICE PROGRAMS - PROGRAM LOGIC, PROG. NO. 370N-CL-453
36	GY33-8537-0	**GN33-8728		DOS VERSION 4 LINKAGE EDITOR MANUAL - PROGRAM LOGIC, PROG. NO. 370N-CL-453
31	GY33-8538-0	**GN33-8729		SYSTEM/370 DOS VERSION 4 LIBRARIAN-PROGRAM LOGIC MANUAL - PROGRAM NUMBER 370N-CL-453
31	GY33-8539-0			DOS VER. 4 IPL AND JCL LOGIC - PROG. NO. 370N-CL-453
36	GY33-8542-0	**GN33-8731	**GN33-8751	DOS VERSION 4 LIOCS INTRODUCTION VOLUME 1 - PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 370N-CL-453, 370N-IO-454, 370N-IO- 455, -456, -457, -458, -477, -478
30	GY33-8543-0	**GN33-8732		DOS VERSION 4 LIOCS VOL. 2, LOGIC - PROG. NO. 370N-CL-453 370N-IO-477, 370N-IO-456, 370N-IO-478, 370N-IO-458
30	GY33-8544-0	**GN33-8733	**GN33-8749	DOS VERSION 4 LIOCS VOLUME 3-SAM AND DAM FOR DASD- PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 370N-IO-455, 370N-IO-454
30	GY33-8545-0	**GN33-8734		DOS VERSION 4 LIOCS VOLUME 4 - ISAM - PROGRAM LOGIC MANUAL - PROGRAM NUMBER 370N-IO-457
30	GY33-8546-0			DOS VERSION 4 SYSTEM UTILITIES - PROGRAM NUMBER 370N-UT-491 OS/VS2 TSO COMMAND PROCESSOR LOGIC VOLUME II: EDIT DOS/VS SUPERVISOR LOGIC
32	GY33-8547-0			DOS/VS ERROR RECOVERY AND RECORDING TRANSIENTS LOGIC
39	SY33-8548-3#			DOS/VS LOGICAL TRANSIENTS LOGIC
36	SY33-8551-4#	**SN33-9234		DOS/VS SYSTEM SERVICEABILITY AIDS LOGIC
37	SY33-8552-2	**SN33-9235		DOS/VS IPL AND JOB CONTROL LOGIC
36	SY33-8553-3#	**SN33-9236		DOS/VS LINKAGE EDITOR LOGIC
37	SY33-8554-3#	**SN33-9238		DOS/VS LIBRARIAN LOGIC
36	SY33-8555-3	**SN33-9237		DOS/VS SYSTEM UTILITIES LOGIC
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