

**HP 3000 Commercial Systems**

# **HP 3000 SOFTWARE INSTALLATION MANUAL**

**Version G.03.05 of MPE V/E (V-Delta-5)**



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# CONVENTIONS USED IN THIS MANUAL

NOTATION	DESCRIPTION
nonitalics	Words in syntax statements which are not in italics must be entered exactly as shown. Punctuation characters other than brackets, braces and ellipses must also be entered exactly as shown. For example:  EXIT;
<i>italics</i>	Words in syntax statements which are in italics denote a parameter which must be replaced by a user-supplied variable. For example:  CLOSE <i>filename</i>
[ ]	An element inside brackets in a syntax statement is optional. Several elements stacked inside brackets means the user may select any one or none of these elements. For example:  $\begin{bmatrix} A \\ B \end{bmatrix}$ User <i>may</i> select A or B or neither.
{ }	When several elements are stacked within braces in a syntax statement, the user must select one of those elements. For example:  $\begin{Bmatrix} A \\ B \\ C \end{Bmatrix}$ User <i>must</i> select A or B or C.
...	A horizontal ellipsis in a syntax statement indicates that a previous element may be repeated. For example:  [, <i>itemname</i> ]...;  In addition, vertical and horizontal ellipses may be used in examples to indicate that portions of the example have been omitted.
	A shaded delimiter preceding a parameter in a syntax statement indicates that the delimiter <i>must</i> be supplied whenever (a) that parameter is included or (b) that parameter is omitted and any <i>other</i> parameter which follows is included. For example:  <i>itema</i> [, <i>itemb</i> ][, <i>itemc</i> ]  means that the following are allowed:  <i>itema</i> <i>itema,itemb</i> <i>itema,itemb,itemc</i> <i>itema,,itemc</i>

# CONVENTIONS (continued)

$\Delta$  When necessary for clarity, the symbol  $\Delta$  may be used in a syntax statement to indicate a required blank or an exact number of blanks. For example:

SET[(*modifier*)] $\Delta$ (*variable*);

underlining When necessary for clarity in an example, user input may be underlined. For example:


NEW NAME? ALPHA

In addition, brackets, braces or ellipses appearing in syntax or format statements which must be entered as shown will be underlined. For example:

LET *var*[[subscript]] = *value*

**shading** Shading represents the terminal's screen or key portions of an example.



The symbol  may be used to indicate a key on the terminal's keyboard. For example, RETURN indicates the carriage return key.

CONTROL *char*

Control characters are indicated by CONTROL followed by the character. For example, CONTROLY means the user presses the control key and the character Y simultaneously.

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# INTRODUCTION

## SECTION

## 1

This document provides the steps necessary to install any purchased software subsystems (SUBSYS) on a new machine. Read this document thoroughly to familiarize yourself with the process.

A full system back-up is required before beginning this procedure. The installation will take from three to four hours to complete, depending on how many products have been purchased, and what type of computer and peripherals are being used. Additional time may be needed to configure new data communications products.

### NOTE

The length of time specified for any procedural step is an estimate.

The following storage media will be necessary:

- A Fundamental Operating System (FOS) tape, supplied by Hewlett-Packard.
- An optional software subsystem (SUBSYS) tape, supplied by Hewlett-Packard.
- One blank 2400-foot tape for the coldload medium. (A second tape may be necessary.)
- One blank tape for the Diagnostic Utility System (DUS) tape.
- One floppy disc to create the Fault Locating Diagnostics (FLD), if using a Series 64/68/70.

### NOTE

If you are running a multi-volume cartridge tape operation on a Series 37, use either the same size cartridge tapes throughout the installation, or a 600-foot cartridge before you use a 150-foot cartridge.

A few purchased software products require manual installation. The procedures for these are supplied in this manual.

It is advised that you consult your Software Engineer before beginning the installation if you are installing HPWORD/3000, HP DeskManager/3000, HP TELEX II, or any data communications product. He will assist you with database and system configuration needs.

HP DeskManager/3000 may take up to a half a day to complete for a new installation.

## 1.1 INSTALLATION PROCESS OVERVIEW

### CAUTION

This manual assumes that the *HP 3000 Fundamental Operating System Installation Manual* (P/N 32033-90046) has been used to perform the initial RELOAD operation.

The Fundamental Operating System (FOS) and the optionally purchased subsystem (SUBSYS) tapes contain software that is shipped from the factory.

The FOS tape contains all software supplied as a standard part of an HP 3000 computer system. This includes the MPE operating system, system utilities, online diagnostics, and various data-handling subsystems (e. g. TurboIMAGE, KSAM, QUERY).

The SUBSYS tape contains the HP software products purchased separately from the FOS.

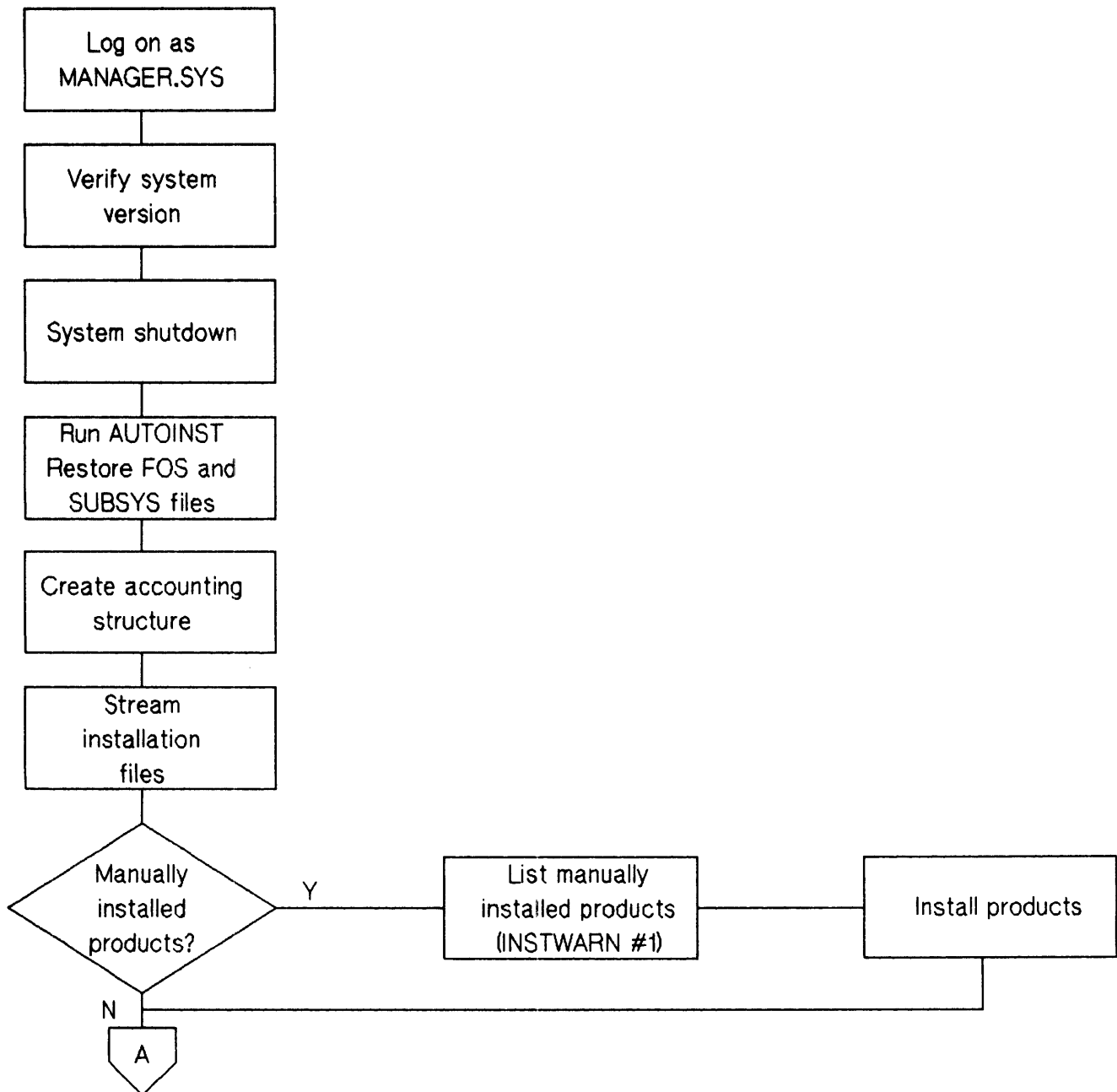
It is necessary to determine the base system configuration, and make changes (using the program SYSDUMP), as required, to accommodate specific product requirements. Note that any device configured on the base system must be physically connected to the CPU.

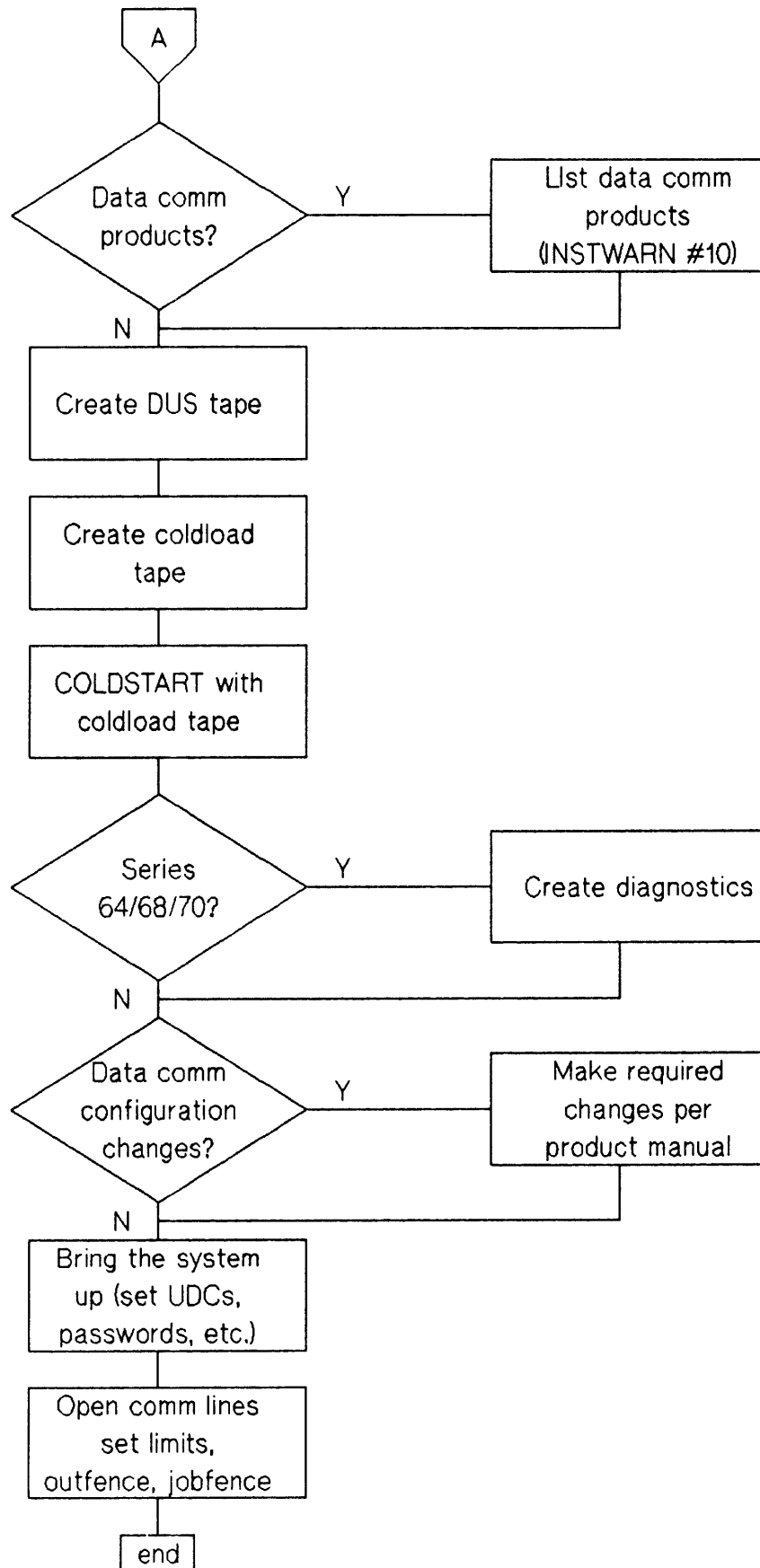
The program AUTOINST.PUB.SYS is on the FOS tape, restores the user files from the FOS tape, and streams and monitors a set of jobstreams which creates the accounting structure required by HP software.

AUTOINST restores the contents of the SUBSYS tape. If you have not purchased any SUBSYS products, the installation is complete.

There are several products which AUTOINST cannot fully install. These products require special handling, as described in Section 4, "Manually Installed Products".

The data flow diagram on the following page provides a step-by-step description of this process.





# VERIFY THE SYSTEM VERSION

SECTION

2

This manual provides procedures for new HP 3000 software. Error messages and resolutions (see Appendix B, "Error Messages and Warnings"), and a tear-out worksheet (see Appendix C, "Worksheet") are provided in the appendices. Variations for procedures or displays for the Series 37 computer have been specified.

## NOTE

When installing HPWORD, HP DeskManager, or HPTELEX II for the first time, it is recommended that you contact your HP Software Engineer for assistance with database configurations.

1. Ensure that the system has been properly backed up before continuing.
2. Log on and enter:

```
:HELLO MANAGER.SYS,PUB  
:ALTUSER MANAGER;HOME=PUB
```

3. Use the SHOWME command to verify the current version of the operating system:

```
:SHOWME
```

The system will display a message similar to the following:

```
USER: #S1,MANAGER.SYS,PUB          (NOT IN BREAK)  
MPE VERSION: HP32033x.xx.xx.  (BASE x.xx.xx).  
CURRENT: FRI, NOV 20, 1987, 7:25 AM  
LOGON:   FRI. NOV 20, 1987, 6:10 AM  
CPU SECONDS: 9          CONNECT MINUTES: 75  
$STDIN LDEV: 20          $STDLIST LDEV: 20
```

4. Record the v.uu.ff number highlighted in the display above in your worksheet.



# INSTALLATION PREPARATION

## SECTION

## 3

Advise users in advance of the planned system down time. If you have not done a full system backup as indicated in Section 1, "Introduction", do so at this time. The installation will take from two to four hours to complete, depending on the number of SUBSYS products purchased and the type of computer and peripherals being used.

### 3.1 SYSTEM SETUP

1. Enter the following commands:

```
:CONSOLE 20  
:LIMIT 1,1  
:JOBFENCE 7  
:SHOWJOB
```

2. Issue a warning using the WARN@ command, asking users to log off. MANAGER.SYS should be the only session logged on the system. Abort any jobs or sessions still executing.

```
:ABORTJOB #Jnnn      ** for jobs **  
:ABORTJOB #Snnn      ** for sessions **
```

3. AUTOINST requires that the group USL be purged prior to beginning the update. Store any files in this group to tape; then, purge the group as follows:

```
:PURGEGROUP USL
```

4. If SYSSTART.PUB.SYS exists on the system, rename the file and record the new name on the worksheet.

```
:RENAME SYSSTART, filename
```

5. Enter the following command to determine if logging processes are running:

```
:SHOWLOGSTATUS
```

6. Terminate logging processes, as follows:

```
:LOG logid,STOP
```

7. Print or store to tape any system logfiles in PUB.SYS, and purge them from the system. This action will free up disc space that may be needed for the installation. Enter the following commands to locate the logfiles:

```
:LISTF LOG#@  
:LISTF NML?#@
```

## Installation Preparation

8. Enter the following to determine if spoolfiles are present:

:SHOWOUT SP

Print or store to tape any existing spoolfiles, and purge them from the system.

### NOTE

If spoolfiles are not purged from the system, the space they occupy will not be reallocated to free space.

9. Disable data communication products as applicable:

:DSCONTROL ldev;SHUT  
:MRJECONTROL SIGNOFF;hostid  
:MPLINE ldev,SHUT,NOW  
:IMFCONTROL STOP imfconfigfile  
:NRJECONTROL STOP;WSID=wsidname  
:SNACONTROL STOP;NODE=nodename;TYPE=stoptype  
:NSCONTROL STOP  
:NETCONTROL STOP

## 3.2 REMOVE PASSWORDS

AUTOINST requires that you remove passwords from the accounts, groups, and users listed on the worksheet.

### 3.2.1 Non-Encrypted Passwords

Use the LISTDIR5 utility to determine the passwords. Syntax is provided on the worksheet, with space to record the passwords.

### 3.2.2 Encrypted Passwords

During the installation, AUTOINST will prompt you for required passwords. If you do not supply the correct password in three tries, AUTOINST will change the password to stream the job(s).

The user, group and account containing changed passwords will be written to the file AUTOHIST.PUB.SYS. At the end of the installation, you can refer to AUTOHIST to determine which user, group, and account passwords were changed. You will need to supply a new password for these users, groups, and accounts during "System Startup".

## 3.3 DISABLE UDCS

Use the SHOWCATALOG command to determine UDC filenames for the users, groups, and accounts listed on the worksheet. Syntax for disabling UDCs is provided on the worksheet, with space to record the UDC filenames.



You will be reminded to enable UDCs at the end of the installation.

### 3.4 SYSTEM CONFIGURATION

The system configuration may need to be changed to accommodate certain purchased products. Determine the current configuration by running SYSDUMP \$NULL.

1. The following depicts the console dialog of SYSDUMP \$NULL. Necessary responses are highlighted; other prompts require only a (RETURN). All SYSDUMP worksheet entries are highlighted below. Lines of the dialog that are marked with an asterisk (\*) beside them are displayed only if you have data communications products configured on your system.

:SYSDUMP \$NULL

```

ANY CHANGES? Y
SYSTEM ID = HP32033G.00.00.?
MEMORY SIZE = 3072.?
I/O CONFIGURATION CHANGES? Y
LIST I/O DEVICES? Y

```

LOG DEV #	DRT #	U N	C H	T Y	SUB TYPE	TERMINAL TYPE	SPEED	REC WIDTH	OUTPUT DEV	MODE	DRIVER NAME	DEVICE CLASSES
1	nn	0	0	0	9			128	0		HIOMDSC1	DEVICE SYSDISC SPOOL
6	33	0	0	32	4			66	0	S	HIOLPRT0	LP LP2608
7	17	0	0	24	0			128	0		HIOTAPE0	TAPE DDUMP
10	17	3	0	24	0			128	LP	JA	HIOTAPE0	JOBTAPE
20	8	0	0	16	0	10	960	40	20	JAID	HIOTERM1	TERM CONSOLE
21	8	1	0	16	0	10	960	40	21	JAID	HIOTERM1	TERM
22	8	2	0	16	0	10	960	40	22	JAID	HIOTERM1	TERM
23	8	3	0	16	0	10	960	40	23	JAID	HIOTERM1	TERM

•  
•  
•

```

* LIST CS DEVICES?
LIST DEVICE DEFAULTS?
HIGHEST DRT = 327.?
LOGICAL DEVICE #?
MAX # OF OPEN SPOOLFILES = 50.?
LIST I/O DEVICES?
* LIST CS DEVICES?
TERMINAL TYPE CHANGES?
CLASS CHANGES?
LIST I/O DEVICES?
* ADDITIONAL DRIVER CHANGES?
I/O CONFIGURATION CHANGES?
SYSTEM TABLE CHANGES? Y
CST = 192.?
EXTENDED CST = nnnn.?
DST = 768.?
PCB = nnn.?
I/O QUEUE = 128.?
DISC REQUEST QUEUE = nnn.?
TERMINAL BUFFERS PER PORT = 3.?
SYSTEM BUFFERS = 64.?
SWAP TABLE = nnnn.?
PRIMARY MESSAGE TABLE = nnn.?
SECONDARY MESSAGE TABLE = nn.?
SPECIAL REQUEST TABLE = 20.?
ICS = 1500.?
LOADER SEGMENT TABLE = 16384.?
UCOP REQUEST QUEUE = 50.?
TIMER REQUEST LIST = 255.?
BREAKPOINT TABLE = 30.?
MAX NUMBER OF USER LOGGING PROCESSES = 2.?
MAX NUMBER OF USERS PER LOGGING PROCESS = 3.?
MISC CONFIGURATION CHANGES?
LOGGING CHANGES?
DISC ALLOCATION CHANGES?
SCHEDULING CHANGES?
SEGMENT LIMIT CHANGES? Y
MAX # OF CONCURRENT RUNNING PROGRAMS = nn.?
MAX CODE SEGMENT SIZE = nnnnn.?
MAX # OF CODE SEGMENTS/PROCESS = nn.?
MAX STACK SIZE = nnnnn.?
MAX EXTRA DATA SEG SIZE = nnnnn.?          ** Must = 32764 **
MAX # OF EXTRA DATA SEGMENTS/PROCESS = nnn.?
STD STACK SIZE = 1200.?
SYSTEM PROGRAM CHANGES?
SYSTEM SL CHANGES?
ENTER DUMP DATE?
ILLEGAL TAPE FILE OPEN PARAMETERS          ** Normal SYSDUMP $NULL **
                                           ** Termination **

ABORT :SYSDUMP.PUB.SYS.%5.%174
PROGRAM ERROR #18 :PROCESS QUIT

PROGRAM TERMINATED IN AN ERROR STATE. (CIERR 976)

```

1. Compare your current system configuration recorded on the worksheet, against the following values. If your configuration does not meet these conditions, note the necessary values on the worksheet.

- The configured value for the PRIMARY MESSAGE TABLE must be greater than or equal to one-half the number of entries in the PCB table, and less than 1024.
- The configured value for the SECONDARY MESSAGE TABLE must be greater than or equal to one-eighth the number of entries in the PCB table, and less than 1024.
- The purchased subsystems below require these specific values:

Subsystem Configuration Specifications Table

Subsystems	Specific Subsystem Requirements						
DISC CACHE/3000	>=255	>=5xPCB					
HPDRAW/3000 HPMAP DSG/3000 HPEASYCHART/3000 HP GRAPHICS CURATOR/3000			>=8192	>=30			
Figure files for HPWORD or TDP/3000			>=16384	>=63			
VISICALC/3000			>=16384				
HP FORTRAN 77/3000			>=16384	>=5			
HP Business BASIC/3000			>=16384	>=5			
HP DESK PLUS			>=16384	>=30			
HP Business Report Writer/V			>=16384	>=64			
DB Change			>=16384				
HP Easytime					>=70	>=20	>=240
<div> <div>DISC REQUEST TABLE = nnn.?</div> <div>SWAP TABLE = nnnn.?</div> <div>MAX CODE SEG SIZE = nnnnn.?</div> <div>MAX # OF EXTRA DATA SEGMENTS/PROCESS = nnn.?</div> <div>PCB = nnn.?</div> <div>MAX # OF CONCURRENT RUNNING PROGRAMS = nn.?</div> <div>EXTENDED CST = nnnn.?</div> </div>							

2. If your system configuration does not satisfy these requirements, proceed to the appendix, "Running SYSDUMP".



# UPDATE EXISTING OPERATING SYSTEM

SECTION

4

## 4.1 ENSURE FREE SPACE ON THE SYSTEM DISC

AUTOINST requires a minimum of 17,000 sectors of free space on the system disc to bring in the system files from the FOS tape. Follow the steps below to ensure this free space.

1. Build a dummy file of 17,000 sectors, as follows:

: BUILD TAKESPAC;DEV=1;DISC=17000,1,1

If there is not enough free space on the system disc, store files to tape and purge them. (Other alternatives are presented in Appendix E, "Error Messages and Warnings.")

2. Purge the dummy file:

: PURGE TAKESPAC

## 4.2 MPE V/E SHUTDOWN

For MPE version G.01.00 or later, perform the following steps to shutdown the system.

1. Shut down the system:

CONTROL A  
=SHUTDOWN

If the system does not halt within 60 seconds, manually halt the system as follows:

**On a Series 37, MICRO 3000, or MICRO 3000/XE:**

To shut down the system, enter:

CONTROL B

**On all other systems:**

To shut down the system, enter:

CONTROL B  
->HALT

## 4.3 UPDATE FROM THE FOS TAPE

For all versions of MPE, update the operating system as follows:

1. Mount the FOS tape and put the tape drive online.
2. Enter:

->LOAD

3. Respond to the dialog as shown below. (If the DRT number given by the system for LDEV 1 differs from the worksheet entry, use the value from the worksheet.)

```
WHICH OPTION (COLDSTART/RELOAD/UPDATE)? UPDATE
```

```
SYSTEM DISC DRT = xxxx(MIN=8, MAX=127)?      ** S/39, 4X, 58 **
```

or

```
SYSTEM DISC DRT = xxxx(MIN=8, MAX=511)?      ** S/37, 6X, 70 **
```

```
ANY CHANGES? N
```

```
***WARNING*** AFTER THIS POINT DO NOT INTERRUPT THE STARTUP  
PROCESS UNTIL AFTER THE MESSAGE " WELCOME " APPEARS
```

```
DIRECTORY MAINTENANCE COMPLETED  
LOADING OF SYSTEM FILES IN PROGRESS  
LOADING OF SYSTEM FILES COMPLETED  
PART 1 OF 6 COMPLETED - MEMORY RESIDENT TABLES SET UP  
PART 2 OF 6 COMPLETED - SL BINDING  
PART 3 OF 6 COMPLETED - SYSTEM I/O PROCESS CREATION  
PART 4 OF 6 COMPLETED - DRIVER LOADING  
PART 5 OF 6 COMPLETED - DISC RESIDENT TABLES SET UP  
PART 6 OF 6 COMPLETED - SYSTEM PROCESS CREATION
```

```
BANK 0 DEPENDENT MEMORY USED -xxxxxxx
```

**On a Series 37, MICRO 3000, or MICRO 3000/XE:**

Respond to the date prompt as requested. (If you do not respond Y or N within 60 seconds, the system by default, assumes the displayed time and date to be correct.)

```
day,date,time? (Y/N)
```

If N, respond to the prompts as indicated (use 24 hour time).

**On all other systems:**

Respond to the date prompt as requested.

```
DATE (M,D,Y)? mm/dd/yy
TIME (H:M)? hh:mm    ** 24 hour format **
```

Confirm the date and time as prompted.

4. The system will be up and running and will display the following message:

```
THE MPE OPERATING SYSTEM HAS JUST BEEN INSTALLED.
TO BEGIN THE INSTALLATION OF HP-SUPPORTED SOFTWARE,
ENTER:

:RUN AUTOINST.PUB.SYS
```

Please continue with Section 5, "Restore the Files".





# RESTORE THE FILES

## SECTION

## 5

The AUTOINST program sets up the environment necessary for the installation and will install most HP-purchased software products.

### 5.1 START AUTOINST

1. Enter:

:RUN AUTOINST

### 5.2 RESTORE THE FOS TAPE

1. Mount the FOS tape as requested:

```
MOUNT THE FOS TAPE AND PUT THE TAPE DRIVE ONLINE.  
THE FILES FROM THE FOS TAPE WILL NOW BE RESTORED.
```

```
**** PLEASE STAND BY ****  
THE FOS TAPE FILES ARE BEING RESTORED.
```

2. The tape drive will be active, then inactive for about fifteen minutes while the restore file is being verified. When the tape drive becomes active and the files have been restored, the following message will be displayed:

```
THE FILES FROM THE FOS TAPE WERE SUCCESSFULLY RESTORED.
```

3. Dismount the FOS tape.

## 5.3 RESTORE THE SUBSYS TAPE

When the restore of the FOS files is complete, AUTOINST prompts you, as follows:

```
HAS A SUBSYS TAPE BEEN INCLUDED IN YOUR  
INSTALLATION PACKAGE (Y/N)?  
>>
```

If you do not have a SUBSYS tape included in your package, and you respond N, AUTOINST will continue, automatically, to create the accounting structure (please see 3.4, "Create the Accounting Structure").

1. Mount the SUBSYS tape as requested:

```
MOUNT THE SUBSYS TAPE AND PUT THE TAPE  
DRIVE ONLINE. THE HP-SUPPORTED SOFTWARE  
FILES WILL BE RESTORED.  
  
**** PLEASE STAND BY ****  
THE HP-SUPPORTED SOFTWARE FILES ARE BEING RESTORED.  
  
THE SUBSYS HAS BEEN SUCCESSFULLY RESTORED.
```

The time required to restore the SUBSYS tape is dependent on the number of products purchased, and may take up to 30 minutes (per 2400-foot reel).

## 5.4 CREATE THE ACCOUNTING STRUCTURE

1. The accounting structure will be created. MPE displays logon, logoff, and TELLOP messages of the accounting structure jobs during this (approximately) fifteen-minute process. It may take 1 - 2 minutes before the first message appears on the screen.

```

SUCCESSFUL COMPLETION OF SUPACCT!
      .
      .
      .
SUCCESSFUL COMPLETION OF FIELDJOB!
THE ACCOUNTING STRUCTURE HAS BEEN SUCCESSFULLY CREATED.

```

If the CE performed a RELOAD other than RELOAD NULL, the accounting structure jobs will not be streamed (it is assumed they were streamed by the CE).

## 5.5 STREAM INSTALLATION FILES

AUTOINST automatically streams installation jobs, if there are jobs to be streamed. This completes the installation of most products. AUTOINST displays progress messages, indicating completion of each job.

```

BEGIN PROCESSING INSTALLATION FILES.

PROCESSING n INSTALLATION FILES.
. . .      ** where number of dots equals value of 'n' **

```

When all installation jobs are complete, AUTOINST displays a verification message, as follows:

```

ALL PRODUCT INSTALLATION JOBS HAVE BEEN STREAMED SUCCESSFULLY.

```

## Restore the Files

1. If you have purchased any software which requires manual installation, a warning message (INSTWARN #1) will be displayed, listing those products. List these products on the worksheet.

```
*WARNING--THIS PROGRAM CANNOT INSTALL THE PRODUCTS
LISTED BELOW. IF YOU WANT TO CONTINUE WITH AUTOINST,
THE COLDLOAD TAPE WILL NOT INCLUDE THESE PRODUCTS.
(INSTWARN #1)
.
.
.
DO YOU WANT TO INSTALL THESE PRODUCTS NOW AND CONTINUE
WITH AUTOINST AFTER INSTALLING THESE PRODUCTS (Y/N)?
>>
```

### CAUTION

Be sure to install **all** of the products which require manual steps now, or install **all** of these products after installation. You can not install a few now and a few later.

If you choose to install these products after completing this installation, you will then need to create a second coldload tape.

To install these products now, reply Y.

2. A second warning message (INSTWARN #10) will list any special products which need further attention. List these products on the worksheet. You will be reminded to make the necessary configuration changes at the end of the installation.

```
*WARNING--THE FOLLOWING PRODUCTS MAY REQUIRE
CONFIGURATION CHANGES. HOWEVER, THIS WILL NOT AFFECT
THE SOFTWARE INSTALLATION FOR THESE PRODUCTS. THE
CONFIGURATION CHANGES MAY BE DONE AFTER COMPLETION OF
THE INSTALLATION.
(INSTWARN #10)
```

3. If you replied Y, AUTOINST will stop to allow for the installation of manually installed products after displaying the following message:

```
PLEASE CONTINUE WITH "MANUALLY INSTALLED PRODUCTS"  
IN THE INSTALLATION MANUAL.
```

```
END OF PROGRAM  
;
```

<b>NOTE</b>
-------------

If the warning message, INSTWARN #1, does not appear, go to the step, "Create the DUS Tape" in Section 7, "The DUS and Coldload Tapes."



# MANUALLY INSTALLED PRODUCTS

SECTION

6

The following subsections provide installation procedures for the products listed in INSTWARN #1. Install all of the products listed on the worksheet.

## NOTE

If you are installing HP DeskManager/3000 (and therefore, HPWORD Intrinsics/3000) as part Business System Plus, follow the installation instructions in the BUSINESS SYSTEM PLUS: *Business System Plus: System Administration Manual* (P/N 32510-90003).

## 6.1 HP LISTKEEPER

To install HP ListKeeper, perform the following:

:HELLO MANAGER.SYS  
:STREAM JOBLIST.PUB.SYS

End of HP ListKeeper installation

## 6.2 HP WORDSERVICES

HP WordServices is basically auto-installable. However, there are some commands that must be processed before the product is fully functional.

Log on to the system (use any convenient account). Use an editing program to print out the file **README.JFPS.HPOFFICE**. This file will give you the information you need to complete the installation. It will also provide you with instructions for printing the manual, *HP WordServices Administrator's Guide*.

## 6.3 HP WORD/3000

To install HP Word/3000, perform the following steps.

1. Log on:

:HELLO MANAGER.SYS

2. The American version is installed automatically by AUTOINST as the default. To install the British version, an additional job must be streamed, as follows:

:STREAM INWORD2.HP32120.HPPL85 \*\* British Version \*\*

## Manually Installed Products

3. If disc space is limited and the default language interface only is required, enter the following to delete unnecessary files:

:STREAM INWORD4.HP32120.HPPL85

4. If disc space is limited, HPWORD may be reduced in two ways:

- If the self-paced training course is not required, enter:

:PURGEACCT HPWORD

- If an HP2680 or HP2688 laser printer will not be used, purge environment files by entering:

:STREAM INWORD3.HP32120.HPPL85

5. To create a new user for the self-paced training course, log on and enter:

:HELLO MGR.HPWORD

:NEWPUPIL *name*

The user *name* with the home group of *name* will be created in the HPWORD account. The training files, in PUB.HPWORD, will be copied to the *name* group.

6. If this is a new installation, create a configuration file. Log on and enter:

:HELLO WP.HPOFFICE,WP

:GETRIN WORDRIN

RIN *nn*

:RUN HPWORD.PUB.SYS,WORDUTIL

Respond to the dialog as follows:

```
HP32120A.05.04 HPWORD (C) Hewlett-Packard Co. 1986
```

```
Select task: CONF
```

```
File name      (WORDCONF.WP.HPOFFICE) RETURN
```

```
WORDCONF.WP.HPOFFICE does not exist or cannot be accessed.
```

```
You are now creating a new configuration.
```

```
HPWORD RIN: nn      ** 2-digit RIN obtained in the GETRIN command **
```

```
>S
```

```
File Name      (WORDCONF.WP.HPOFFICE) RETURN
```

```
Configuration file saved.
```

```
Any new queue files needed, have been created.
```

```
>E
```

```
Select task: EXIT
```

```
END OF PROGRAM
```

```
:
```

7. Refer to the *HPWORD Administration Manual* (P/N 32120-90061) for other product configuration details.



## 6.4 HP WORD INTRINSICS

To install HP Word Intrinsic, perform the following steps.

1. Log on and enter:

```
:HELLO MANAGER.SYS
:STREAM INSTAR1.HP32119.HPPL85
```

2. Refer to the *HPWORD Administration Manual* (P/N 32120-90061) for product configuration, if the following message is displayed:

```
** A new WORDCONF.WP.HPOFFICE file is required.    **
** Refer to GUSTAR1.HP32119.HPPL85 for instructions **
** on its creation.                                **
```

Create a configuration file as described in the HP Word/3000 installation.

## 6.5 HP FILE/LIBRARY

To install HP File/Library, perform the following steps.

1. Log on and enter:

```
:HELLO MGR.HPOFFICE
:SETCATALOG LIBUDCS.MAILLIB.HPOFFICE
```

Include all other UDC files to be enabled.

2. To complete the installation, log on and enter:

```
:HELLO MANAGER.SYS
:SETCATALOG LIBUDCS.MAILLIB.HPOFFICE
```

Include all other UDC files to be enabled.

## 6.6 HP DESKMANAGER

The installation of HP DeskManager is quite a complex process and, depending on the type of installation you are performing, may take a while to complete. If you are installing HP DeskManager for the first time, you should allow yourself up to half a day. You should have completed your plans for the initial configuration of the HP DeskManager databases. These plans should include full details of the users, mailnodes, computer, and routes you will require in your HP DeskManager network.

## INSTALLING HPDESK FOR THE FIRST TIME

The installation of HP DeskManager is quite a complex process, for which you should allow yourself up to half a day. You should have completed your plans for the initial configuration of the HPDESK databases. These plans should include full details of the users, mailnodes, computer, and routes you will require in your HPDESK system and network.

Perform the following steps:

1. Log on as follows:

**:HELLO MGR.HPOFFICE,MAILDB**

Set up the HPDESK operator commands:

**:SETCATALOG OPERUDC.MAILLIB.HPOFFICE**

2. To activate the correct SL, stream the following job:

**:STREAM SETSL.MAILJOB.HPOFFICE**

3. The American version of the product is supplied as default; however, if a British version is to be installed, enter the command:

**:STREAM UKDICT.MAILJOB.HPOFFICE**

### WARNING

Step 4 is configuration dependent.

4. If you are running HP DeskManager on a **stand-alone** system, and Distributed Systems (DS) or Network Services (NS) is not installed, enter the command:

**:STREAM DSNSEGS.MAILJOB.HPOFFICE**

5. Refer to Chapter 8 of the *HP DeskManager : 1 Administration Tasks Manual* (P/N 36570-90051) and Chapter 1 of the *HP DeskManager : 2 Administration Reference Manual* (P/N 36570-90052) about setting up and configuring your databases. Enter the command:

**:MAILCONFIG**

and proceed to CREATE your databases as described in these manuals.

### NOTE

If you intend to use HP Schedule, ensure that you have configured sufficient resources and resource classes for your purposes.

6. To activate the HPDESK system, use the command **MAILON** in accordance with the *HP DeskManager : 2 Administration Reference Manual*.

**:MAILON**

<b>NOTE</b>
-------------

The first **MAILON** command will take some time to complete, as it will automatically start the final phase of the installation process.

7. Installation of HPDESK is complete.

## 6.7 HP TELEX II

To install HP Telex II, perform the following steps. If you are updating from an MPE version prior to G.02.00, one database TELBAS.HPTELEX.HPOFFICE must be converted from Image to TurboIMAGE. Refer to the *TurboIMAGE Reference Manual* (P/N 32215-90050) for details.

1. Log on:

**:HELLO FIELD.HPPL85,HP36572**

2. The American version of HP Telex will be installed automatically. British users must stream an additional job, as follows:

**:STREAM INTELEX1**

A message will be displayed indicating completion of the job.

3. Enable UDCs for HP Telex II users as follows:

**:HELLO MGR.HPOFFICE,HPTELEX**  
**:SETCATALOG TELUDC,otherudcs...**

4. Refer to the *Administrator's Guide to HP Telex II* (P/N 36572-90013) for configuration instructions.

## 6.8 HPOFFICE CONNECT TO PROFS

To install HPOffice Connect to PROFS, perform the following steps.

1. Log on and enter:

**:HELLO MGR.HPOFFICE,HPPROFS**  
**:SETCATALOG PROFSUDC**

2. Refer to the *Administrator's Guide to HPOFFICE Connect to PROFS* (P/N 27521-90001) for configuration instructions.

## 6.9 HPOFFICE CONNECT TO DISOSS

If you are installing HP OfficeConnect to DISOSS on a GATEWAY system (an HP 3000 physically connected to an IBM mainframe), perform the following steps:

1. Log on:

:HELLO MGR.HPOFFICE

Set the UDCs with the following command:

:SETCATALOG DIAUDC.DIALIB.HPOFFICE,otherUDCs;ACCOUNT

2. If you have renamed your SYSSTART.PUB.SYS file during system preparation, modify the renamed file by adding the following line:

:ALLOW @. @;COMMANDS=LOG

After the original, renamed SYSSTART file has been modified, purge the new SYSSTART file which DISOSS created.

<b>NOTE</b>
-------------

Do not purge the SYSSTART file if:

- \* The original SYSSTART file was not renamed.
- \* There was no original SYSSTART file on the system.

3. Refer to the *Administrator's Guide to HPOFFICE Connect to DISOSS* (P/N 27515-90001) for any configuration changes.

## 6.10 HPTREND

To install HPTREND, perform the following steps.

1. Log on and enter:

:HELLO MGR.TELESUP,HP35136A  
:STREAM I01I136A

2. When the installation job completes, the following message will be displayed:

```
time/job/pin/FROM/MGR.TELESUP/*****
time/job/pin/FROM/MGR.TELESUP/Successful installation of HPTREND
time/job/pin/FROM/MGR.TELESUP/*****

Terminating Jobstream IO11136A
```

3. Refer to the *HPTREND User's Guide* (P/N 35136-9001) for configuration instructions.

## 6.11 NEW DS DATABASES

X.25/3000 requires a new version of a network configurator database. If your database is old (or if a database does not exist), you need to create a new version by following the steps in this section.

### 6.11.1 Verify Database Version

To determine if your database is an old or new version, follow these steps:

1. Logon:

**:HELLO MANAGER.SYS**

2. Check to see if a network configurator database exists:

**:LISTF NET@.PUB.SYS,2**

3. If the files NETCON, NETCON01, NETCON02, etc. appear, the database exists. Check the following table to determine the database version:

File Name	EOF Old Version	EOF New Version
NETCON	5	6 (IMAGE) 9 (TurboIMAGE)
NETCON04	137	187
NETCON05	16	85

4. If your database is new, you are all done. If your database is an old version, or if it does not exist, create a new version as explained on the following page.

## 6.11.2 Create New Version

To create a new database, continue as follows:

<b>NOTE</b>
-------------

To transfer the database contents from the old to the new version, make sure you have a DBSTORE tape.

1. Purge the old database:

```
: RUN DBUTIL.PUB.SYS  
>>PURGE NETCON  
>>EXIT
```

2. Create the new version:

```
: FILE DBSTEXT=K20K131A.HP30131.HPPL87  
: RUN DBSCHEMA.PUB.SYS; PARM=1  
: RUN DBUTIL.PUB.SYS  
>>CREATE NETCON/NETDBMGR  
>>EXIT
```

<b>NOTE</b>
-------------

Do not transfer the NETCON files to another system. These files are system dependent.

# THE DUS AND COLDLOAD TAPES

## SECTION

## 7

### 7.1 RESTART AUTOINST

When all products have been manually installed, run AUTOINST as indicated below to resume execution.

1. Log on and enter:

```
:HELLO MANAGER.SYS;HIPRI  
:RUN AUTOINST
```

AUTOINST will create a coldload tape used to incorporate products that are stored in the system library.

### 7.2 CREATE THE DUS TAPE

The CE Diagnostics (DUS) tape needs to be created before the coldload tape process begins.

1. For a dual-density drive, the following message will be displayed:

```
THE CE DIAGNOSTICS AND COLD LOAD TAPES WILL  
NOW BE CREATED.  SHOULD THE TAPE DRIVE DEFAULT  
DENSITY <nnnn> BE USED TO CREATE THESE TAPES (Y/N)?
```

If N, supply the appropriate density at the prompt.

2. Respond to the tape mount request:

```
TO CREATE A CE DIAGNOSTICS TAPE, ENSURE THAT  
WRITE IS ENABLED ON A SCRATCH TAPE.  MOUNT THE  
TAPE AND PUT THE TAPE DRIVE ON LINE.
```

3. When the DUS tape is created, follow the instructions given for tape labeling in the message displayed:

```
THE CE DIAGNOSTICS TAPE HAS BEEN SUCCESSFULLY CREATED.  
LABEL THIS TAPE "DUS TAPE <V.UU.FF>".  REFER TO  
THE FOS TAPE LABEL FOR THE <V.UU.FF>.  
ENSURE THAT WRITE IS NOW DISABLED.
```

## 7.3 CREATE THE COLDLOAD TAPE

The coldload process takes approximately two hours. However, it can take as little as 15 minutes, depending on the number of products on the SUBSYS. The tape drive will appear to be inactive during the process of compiling the data to be written to tape. When the compilation is complete, the tape drive will become active. As the data is written to tape, progress messages will be displayed, indicating the percentage of the store operation completed.

To create the coldload tape, follow the steps below:

1. Mount a blank write-enabled tape when prompted as follows:

```
TO CREATE A COLD LOAD TAPE, ENSURE THAT WRITE IS  
ENABLED ON A SCRATCH TAPE. MOUNT THE TAPE AND PUT  
THE TAPE DRIVE ONLINE.
```

2. When the coldload tape has been created, the following message will be displayed. Label the tape as specified.

```
THE SYSTEM COLD LOAD TAPE HAS BEEN SUCCESSFULLY CREATED.  
LABEL THIS TAPE "COLD LOAD <V.UU.FF>". REFER TO  
THE FOS TAPE LABEL FOR THE <V.UU.FF>. ENSURE THAT  
WRITE IS NOW DISABLED.
```

3. The spoolfiles from the creation of the coldload tape will be lost when you perform the coldstart. Allow them to complete printing, or store them off to tape with the SPOOK utility and purge them.

<b>NOTE</b>
-------------

If spoolfiles are not purged from the system, the space they occupy will not be reallocated to free space.



## 7.4 COLDSTART THE SYSTEM

Update the system from the coldload tape by performing the following steps.

1. Halt the system and load the new coldload tape, as specified below.
2. Enter:

CONTROL A  
=SHUTDOWN

The system will halt with the following message:

```
SESSION ABORTED BY SYSTEM MANAGEMENT  
SHUT
```

3. If the system does not halt within 60 seconds, manually halt the machine, as follows:

CONTROL B  
->HALT

4. Remount the coldload tape (write-protected) and place the tape drive online. Enter:

->LOAD

Respond to the prompts as shown:

```
WHICH OPTION (COLDSTART/RELOAD/UPDATE)? COLDSTART  
ANY CHANGES? N
```

## The DUS and Coldload Tapes

5. Do not interrupt processing until you are prompted for the date and time. The coldstart will take approximately 15 minutes.

```
***WARNING** AFTER THIS POINT DO NOT INTERRUPT THE STARTUP  
PROCESS UNTIL AFTER THE MESSAGE "WELCOME" APPEARS
```

```
DIRECTORY MAINTENANCE COMPLETED  
LOADING OF SYSTEM FILES IN PROGRESS  
LOADING OF SYSTEM FILES COMPLETED  
PART 1 OF 6 COMPLETED - MEMORY RESIDENT TABLES SET UP  
PART 2 OF 6 COMPLETED - SL BINDING  
PART 3 OF 6 COMPLETED - SYSTEM I/O PROCESS CREATION  
PART 4 OF 6 COMPLETED - DRIVER LOADING  
PART 5 OF 6 COMPLETED - DISC RESIDENT TABLES SET UP  
PART 6 OF 6 COMPLETED - SYSTEM PROCESS CREATION
```

```
BANK 0 DEPENDENT MEMORY USED - xxxx
```

Respond to the date prompt as requested.

```
DATE (M,D,Y)? mm/dd/yy  
TIME (H:M)? hh:mm ** 24 hour format **
```

Confirm the date and time as prompted.

6. If you are installing LAN Link, the following message may appear:

```
UNABLE TO OPEN SOCKET LOGGING; NM ERROR=nn  
SOCKETS 702
```

This message is normal following the installation of LAN Link software if the product configuration is not complete. (The NM configuration will be performed later.)

7. The system will be up and running. Log on:

```
:HELLO MANAGER.SYS
```

# BRING THE SYSTEM UP

SECTION

8

All files have been restored and the system is operational. Certain products require additional procedures to make the software functional. The system can then be brought up for normal production.

## 8.1 CREATE 64/68/70 DIAGNOSTICS

If you are running a Series 64, 68, or 70 machine, refer to the Appendix A, "Series 64/68/70 Diagnostics" at this time to create the Fault Locating Diagnostics (FLD).

## 8.2 INSTALL NS/3000 & OFFICESHARE LAN/3000

To install NS/3000 and OFFICESHARE LAN/3000, follow these steps:

1. Logon:

:HELLO MANAGER.SYS

2. Enable the streams device, and build the configuration file, as follows:

:STREAMS 10  
:STREAM CONFJOB.NET.SYS

After two or three minutes a completion notice is displayed:

CONFIGURATION CREATION SUCCESSFUL

## 8.3 CONFIGURE SPECIAL PRODUCTS

If you have special products (flagged by INSTWARN #10) listed on the worksheet, consult the applicable manual in the table below. The product will not be operational until the necessary configuration changes have been made.

### Products Requiring Configuration Changes

PRODUCT	PRODUCT #	MANUAL & NUMBER
SNA NRJE	HP30245	SNA Link Services Reference Manual (30246-90003)
SNA LINK	HP30246	SNA Link Services Reference Manual (30246-90003)
SNA IMF	HP30247	SNA Link Services Reference Manual (30246-90003)
MRJE/3000	HP30249	MRJE/3000 Multileaving Remote Job Entry User/Programmer's Reference Manual (30249-90001)
IMF/3000	HP30250	DSN/IMF Interactive Mainframe Facility Reference Manual (32229-90001)
LU 6.2 BASE	HP30252	SNA Link Services Reference Manual (30246-90003)
LU 6.2 API	HP30253	SNA Link Services Reference Manual (30246-90003)
HP ADVANCENET DMI	HP30264 HP30288	Digital Multiplexed Interface (DMI) Reference Manual (30288-90001)
MTS/3000	HP32025	DSN/MTS Multipoint Terminal Software Reference Manual (32193-90002)
DS NETWORK SERVICES	HP32185	DS/3000 HP 3000 to HP 3000 User/Programmer Reference Manual (32185-90001)
DS/X.25 NETWORK LINK	HP32187	X.25/Link for the HP 3000 Reference Manual (32187-90001)
NS/3000 Services	HP32344	Vol 1: NS/3000 Network Manager Reference Manual (32344-90002)

## Products Requiring Configuration Changes (Continued)

PRODUCT	PRODUCT #	MANUAL & NUMBER
INFORMATION ACCESS <sup>1</sup>	HP32596	HPAccess Central: System Management (36899-90003)
RESOURCE SHARING <sup>1</sup>	HP32597	Resource Sharing: System Management (32597-90001) <sup>2</sup>
PRINT CENTRAL	HP36891 HP36892 HP32593	Print Central: System Management (36890-90003) and Print Spooler Utility (32345-90001)
HPACCESS CENTRAL	HP36894 HP36895 HP36896	HPAccess Central: System Management (36899-90003)
NS Point-to-Point Link ASYNC Serial Network Link OfficeShare LAN LINK NS X.25 LINK	HP30284 HP30285 HP32003 HP30240 HP24405	Vol 1: NS/3000 Network Manager Reference Manual (32344-90002) Vol 2: NS/3000 Network Manager Reference Manual (32344-90012)
NetDelivery/V	HP32346	NetDelivery/V Utility User's Guide (32346-90002)

<sup>1</sup>If you are installing this product as part of Business System Plus, follow the installation instructions in the *Business System Plus: System Administration Manual* (P/N 32510-90003)

<sup>2</sup>This manual also contains the Installation/Migration notes.

## 8.4 SYSTEM STARTUP

Perform the following steps (on the system console):

1. Log on:

**:HELLO MANAGER.SYS**

2. Purge the group CREATOR.SYS. It contains Hewlett-Packard maintenance files which are no longer needed.

**:PURGEGROUP CREATOR**

3. Set the passwords and UDCs for the users, groups, and accounts, as applicable to products installed, as listed on the worksheet.
4. Reinstate the original filename of SYSTART (check the name you recorded on the worksheet), as follows:

## Bring the System Up

:RENAME filename,SYSSTART

5. If any modifications were made to the old CATALOG.PUB.SYS file, re-enter the modifications in the new file.
6. If any user SL segments resided in SL.PUB.SYS before the installation, replace them. A new coldload tape should be made.
7. Open the applicable communication lines as follows:

```
:LIMIT n,nn    ** n=jobs, nn=sessions **  
:STREAMS 10  
:DSCONTROL ldev;OPEN  
:MRJECONTROL SIGNON  
:MPLINE ldev,OPEN  
:SNACONTROL START;NODE=nodename  
:IMFCONTROL START imfconfigfile  
:NRJECONTROL START;WSID=wsidname  
:NETCONTROL START  
:NSCONTROL START  
:OUTFENCE n  
:JOBFENCE n
```

### NOTE

When opening the network communications lines listed above, the NS subsystems may indicate that a configuration file conversion is required. The conversion can be accomplished by running NMMGRVER.PUB.SYS.

Further assistance with this utility program can be found in the *NS/3000/V Network Reference Manual, Vol. 1* (P/N 32344-90002), Appendix C, "Converting Configuration Files". A generic error message and conversion is shown below.

### Sample Error Message:

```
:NETCONTROL START  
.  
.  
.  
**NETXPORT Control Process:IRRECOVERABLE ERROR:Bad CONFIG file version**
```

**Sample Conversion Syntax:**

```
:RUN NMMGRVER
:
:
:
Fileset to be scanned? @.NET
OK to convert NSCONFX.NET.SYS? Y
CONVERSION completed successfully. (NMMGRVERMSG 0)

END OF PROGRAM
:
```

8. Enable disc caching, if applicable:

```
:STARTCACHE ldev#
```

9. Record the installation in the system logbook.





This appendix provides instructions for creating the Fault Locating Diagnostics (FLD) on the Series 6X and 70 machines.

The procedures for creating the FLD differ, depending on which terminal you are using as the system console: The HP 2647F, or the HP 150. The disc formatting instructions have been separated from FLDCOPY program dialog for each type of terminal. Follow the instructions for your system console.

## A.1 CREATING DIAGNOSTICS ON THE HP 2647F

Before you run the FLDCOPY program, you must format the disc, as follows:

### A.1.1 Format the Disc

1. Ensure the disc is write-enabled and insert it in the drive.
2. When the red light stops flashing on the drive, press the command key on the console keyboard.
3. Press **F8**, **F1**, and **F3** in sequence. The following message will be displayed:

```
FORMAT VOLUME ON DISC#
```

4. Enter:

1

5. Two messages will be displayed (the second in inverse video):

```
** Disc FORMAT in progress **  
** Disc VERIFY in progress **
```

6. When the \* prompt is displayed, press the COMMAND key to terminate the process.

## A.1.2 Run FLDCOPY

1. Log on and enter:

```
:HELLO FIELD.SUPPORT,HP32342  
:RUN FLDCOPY
```

### FLDCOPY

This utility program is intended to make copies of Fault Locating Diagnostics (binary) to HP9164-0128 flexible disc media by using the HP2642A 3000/64 System Console.

Successful operation of this utility requires that the MPE Console ( ldev#20 ) be temporarily moved to another appropriately configured terminal. Perform the following operations:

1. Press: "BREAK" key
2. Type: "CONSOLE <ldev#>" to move System Console
3. Type: "RESUME"
4. Type: "GO" to continue

The console will be switched back to ldev#20 programmatically upon successful completion of the program.

TYPE "GO" TO CONTINUE GO

Pressing control Y will transfer control to a trap procedure, which switches the Console back to device 20, sets terminal echo on, and terminates the program. It should be used to abort the program whenever possible. However, during binary data transfer, control Y is regarded as data by the system. If it is necessary to abort the program during binary read or write, and control Y seems to be ignored, do the following instead:

1. press "BREAK" key
2. press "ESC" & ";" keys (turn on terminal echo)
3. type "ABORT", CR
4. type "RUN CBON", CR (enable control B)
5. type "CONSOLE 20", CR (switch System Console back)

.  
.  
.

Do you have a permanent file (saved from previous execution of this program) you want to copy the discs from? YES

What is the name of the permanent file? S64FLDS

Do you want instructions to prepare the TO disc for copying? YES

To prepare the TO disc for copying, do the following:

1. Make sure the disc media is not write protected and then insert the disc into the unit and close the door.
2. Push the COMMAND key.

NOTE: Steps 3-7 require usage of the System Console soft keys. They are preprogrammed and should be pushed in the sequence stated.

3. SHOW VOLUME ( Press F3,F2,<CR> )

VOLUME NAME		HP-IB ADDRESS		
-----		-----		
Local	Disc	Start of	Space	Write
Volume	Type#Unit	Free Space	Left	Protect
-----		-----		
<i>name</i>	<i>type#</i>	<i>###</i>	<i>###</i>	<i>NO</i>

4. If volume name is "nonsif" or "nonfmat" then go to Step 6.
5. PURGE VOLUME <volume name> ( press F8,F4,F5, type volume name to be purged, <CR> )
6. CREATE VOLUME <volume name> ON DISC#1 ( press F8,F5,F6, type in a volume name, press F2, type "1", <CR> )
7. VERIFY ENABLE ( press F1 twice, F4 twice, <CR> )
8. Press COMMAND key, <CR>.

Press RETURN when disc is ready and inserted

Do not enter anything on the keyboard until you see "Do you want to make another copy?" (The values given in the example below may differ from those on your display.)

```
BEGIN WRITE (approximately 15 minutes)
```

```
3 RECORDS RECORDED, FILE 1
7 RECORDS RECORDED, FILE 2
16 RECORDS RECORDED, FILE 3
15 RECORDS RECORDED, FILE 4
14 RECORDS RECORDED, FILE 5
6 RECORDS RECORDED, FILE 6
3 RECORDS RECORDED, FILE 7
90 RECORDS RECORDED, FILE 8
121 RECORDS RECORDED, FILE 9
97 RECORDS RECORDED, FILE 10
65 RECORDS RECORDED, FILE 11
146 RECORDS RECORDED, FILE 12
10 RECORDS RECORDED, FILE 13
170 RECORDS RECORDED, FILE 14
14 FILES COPIED.
WRITE COMPLETED
Do you want to make another copy?
```

2. To make another copy, reply YES. You will be prompted: "Do you want the instructions to prepare the TO disc for copying?"

If N, the following message will be displayed, and the program will terminate.

```
CONSOLE HAS BEEN SWITCHED FROM LDEV 21 TO LDEV 20 .
END OF PROGRAM
:
```

3. Remove the disc from the drive and label it with "FLD", the date, and the v.uu.ff number.

## A.2 CREATING DIAGNOSTICS ON THE HP 150

Before you run the FLDCOPY program, you must format the disc as follows:

### A.2.1 Format the Disc

1. Select the FORMAT option on the Personal Applications Manager (PAM) menu. Press **(RETURN)**.
2. A menu will prompt you to select Drive A or B. Type B, and press **(RETURN)**.
3. You will be prompted to supply DISC LABEL. If you wish, you can type a name (perhaps for archiving purposes). This is optional, and won't interfere with creating the diagnostics. If you do not need a label, simply press **(RETURN)**.

4. Notice the function keys now show a new set of options. Select the START FORMAT option. A message is displayed when the disc format is complete.
5. The disc is now ready to store the diagnostics. Leave the disc in Drive B, and run FLDCOPY as described below.

## A.2.2 Run FLDCOPY

You may want to read through the dialog of the FLDCOPY program shown below. The dialog gives specific instructions. The appropriate responses are shown, underlined in a boldfaced type.

1. To run the program, log on, and enter the following:

```
:HELLO FIELD.SUPPORT,HP32342
:RUN FLDCOPY
```

2. Go through the dialog as shown:

```
run fldcopy
```

```
FLDCOPY - ver 13.0 - ver 13.0
```

```
Terminal= 150B, Ldev= 21, MPE Console Ldev= 20
```

```
This utility program is intended to make copies of Fault Locating
Diagnostics (binary) to HP92190A flexible disc media by using the
HP2647F or to HP92192A micro flexible disc media by using an HP150
running the HP3000 S68 DCU to HP150 Communication Program.
```

```
TYPE 'GO' TO CONTINUE
```

```
go
```

```
Pressing <CTRL> and <Y> will transfer control to a trap procedure,
which sets terminal echo ON and terminates the program.
```

```
The CTRL-Y trap should be used to abort the program whenever pos-
sible. However, during binary data transfer, CTRL-Y is regarded
as data by the system. If it is necessary to abort the program
during binary read or write, and CTRL-Y seems to be ignored, do
the following instead:
```

- |                          |                         |
|--------------------------|-------------------------|
| 1. press <BREAK>         | {break to MPE}          |
| 2. type <ESC> ':'        | {turn on terminal echo} |
| 3. type 'ABORT' <Return> | {abort FLDCOPY}         |

```
Do you have a permanent file (saved from previous execution of this
program) you want to copy the discs from? yes
```

```
What is the name of the permanent file? s64flds
```

```
Do you want the instructions to prepare the T0 disc for copying? yes
```

To prepare the TO disc for copying on the HP150:

1. Make sure the HP150 is running the HP3000 S68 DCU to HP150 Communication Program.
2. Make sure the micro floppy disc is not write-protected and insert the disc into drive B.
3. Press <Shift> and <User/System> at the same time to display the communication program application softkeys.
4. Press <disc (f6) > to access the 'disc' menu keys.
5. Press <FORMAT FLOPPY (f1) > to format the disc in drive B.
6. Wait for the format warning message and type 'Y' to continue the floppy format process.
7. Wait for the 'FORMAT DONE!' message.

Press <Return> when disc is ready and inserted.

Do not enter anything on the keyboard until you see "Do you want to make another copy?" (The values given in the example below may differ from those on your display.)

BEGIN WRITE (approximately 15 minutes)

3 RECORDS RECORDED, FILE 1  
7 RECORDS RECORDED, FILE 2  
16 RECORDS RECORDED, FILE 3  
15 RECORDS RECORDED, FILE 4  
14 RECORDS RECORDED, FILE 5  
6 RECORDS RECORDED, FILE 6  
3 RECORDS RECORDED, FILE 7  
90 RECORDS RECORDED, FILE 8  
121 RECORDS RECORDED, FILE 9  
97 RECORDS RECORDED, FILE 10  
65 RECORDS RECORDED, FILE 11  
146 RECORDS RECORDED, FILE 12  
10 RECORDS RECORDED, FILE 13  
170 RECORDS RECORDED, FILE 14  
14 FILES COPIED.  
WRITE COMPLETED  
Do you want to make another copy?

3. To make another copy, reply YES. You will be prompted: "Do you want the instructions to prepare the TO disc for copying?"

If N, the following message will be displayed, and the program will terminate.

```
CONSOLE HAS BEEN SWITCHED FROM LDEV 21 TO LDEV 20 .  
END OF PROGRAM  
;
```

4. Remove the disc from the drive and label it with "FLD", the date, and the v.uu.ff number.





# ERROR MESSAGES AND WARNINGS

APPENDIX

**B**

AUTOINST error messages, and their appropriate resolutions, are provided in this appendix. Also provided are three potential system error messages. Any other programmed messages can be found in the MPE Manual or applicable utility manual.

## B.1 AUTOINST MESSAGES

AUTOINST error messages and warnings are listed in numerical order. Resolutions are provided for each message. If you encounter an AUTOINST error message that is not listed below, please contact your Response Center for assistance.

### B.1.1 Error Messages

#### #1 ERROR MESSAGE

```
INSTALLATION CAN ONLY BE PERFORMED BY MANAGER.SYS,PUB.  
(INSTERR #1)
```

#### ACTION

Log on as follows, and run AUTOINST again.

```
:HELLO MANAGER.SYS,PUB
```

#### #2 ERROR MESSAGE

```
*WARNING -- THIS SYSTEM DOES NOT HAVE ENOUGH  
DISC SPACE ON LDEV 1. (INSTERR #2)
```

#### ACTION

Run FREE5.PUB.SYS to determine the amount of disc space that must be released. Use one of the options below to free your disc space:

- (recommended) Store off to tape, then purge files until you have enough free space.
- Use the :VINIT command with the >COND 1 option.
- Perform a COOLSTART, answering Y to the "RECOVER LOST DISC SPACE" step. It takes approximately 10 minutes for every 1,000 files to recover the disc space. After the COOLSTART, use the :VINIT command with the >COND 1 option.

When you have successfully reserved 17,000 contiguous sectors of disc space, run AUTOINST again.

**#3 ERROR MESSAGE**

```
UNRECOGNIZABLE PARAMETER ENTERED. (INSTERR #3)
```

**ACTION**

Please enter the info parameter as directed when performing an add-on installation.

**#4 ERROR MESSAGE**

```
CREATION OF THE ACCOUNTING STRUCTURE HAS  
FAILED. (INSTERR #4)
```

**ACTION**

This message may have appeared if:

- Other jobs or sessions are logged on to the system. If so, abort these jobs/sessions, and all deferred jobs, and run AUTOINST again.
- Some UDCs were not disabled at the system, account, or user levels. If so, disable them at this time. (Please refer to the Syntax Table on the worksheet for the appropriate syntax.) Abort all deferred jobs, and run AUTOINST again.
- Use SPOOK(2/5).PUB.SYS to inspect the spoolfiles generated by AUTOINST for the accounting structure jobs. If necessary, take the appropriate corrective actions and run AUTOINST again. If you cannot resolve the problem, or if AUTOINST fails again, please contact your Response Center for assistance.

If none of the above conditions caused the creation of the accounting structure to fail, contact your Response Center.

**#5 ERROR MESSAGE**

```
THE FILES FROM THE FOS TAPE WERE NOT SUCCESSFULLY  
RESTORED. (INSTERR #5)
```

**ACTION**

Use the Editor to inspect the file FOSLIST.PUB.SYS. The error messages in this file indicate problems encountered in restoring files from the FOS tape. Take appropriate corrective measures and run AUTOINST again. If unsuccessful a second time, please contact your Response Center for assistance.

**#6 ERROR MESSAGE**

```
THE SUBSYS TAPE HAS NOT BEEN SUCCESSFULLY RESTORED.  
(INSTERR #6)
```

**ACTION**

Use the Editor to inspect the file SUBSLIST.PUB.SYS. The error messages in this file indicate problems encountered in restoring files from the SUBSYS tape. Take appropriate corrective measures and run AUTOINST again. If unsuccessful a second time, contact your Response Center.

**#7 ERROR MESSAGE**

```
COULD NOT PURGE THE FILE FILELIST.PUB.SYS (INSTERR #7)
```

**ACTION**

If a file FILELIST.PUB.SYS already exists, and you need to keep it, rename it using the :RENAME command. Otherwise, purge the file and run AUTOINST again.

**#8 ERROR MESSAGE**

```
THE COLD LOAD TAPE WAS NOT SUCCESSFULLY CREATED. (INSTERR #8)
```

**ACTION**

Use the utility SPOOK(2/5).PUB.SYS to inspect the spoolfiles generated by AUTOINST for the job DUMP.PUB.SYS. If necessary, take appropriate corrective measures and run AUTOINST again. If you cannot resolve the problem or AUTOINST fails again, please contact your Response Center for assistance.

**#9 ERROR MESSAGE**

```
FOUND INVALID COLD LOAD LOGICAL DEVICE NUMBER. (INSTERR #9)
```

**ACTION**

The LDEV number found by AUTOINST was invalid (i.e. less than 0 or greater than 999). Check your system configuration, enter the correct value, and run AUTOINST again. If this error occurs a second time, please contact your Response Center for assistance.

**#11 ERROR MESSAGE**

DLGINFO HAS BEEN PURGED FROM THE SYSTEM. (INSTERR #11)

**ACTION**

Restore DLGINFO.PUB.SYS from the FOS tape, and run AUTOINST again. Be sure to use the appropriate FOS tape.

**#12 ERROR MESSAGE**

PROGRAM FILE INSTALL.PUB.SYS NOT FOUND. (INSTERR #12)

**ACTION**

Restore INSTALL.PUB.SYS from the FOS tape and run AUTOINST again. Be sure to use the appropriate FOS tape.

**#13 ERROR MESSAGE**

THE PROGRAM INSTALL.PUB.SYS WAS NOT SUCCESSFUL. (INSTERR #13)

**ACTION**

This message will appear in conjunction with INSTERR #8. Please refer to the instructions given for INSTERR #8 for the appropriate action.

**#18 ERROR MESSAGE**

TEMPLATE HAS BEEN PURGED FROM THE SYSTEM. (INSTERR #18)

**ACTION**

Restore TEMPLATE.PUB.SYS from the FOS tape, and run AUTOINST again. Be sure to use the appropriate FOS tape.

**#19 ERROR MESSAGE**

```
SUPACCT HAS BEEN PURGED FROM SYSTEM. (INSTERR #19)
```

**ACTION**

Restore SUPACCT.PUB.SYS from the FOS tape and run AUTOINST again. Be sure to use the appropriate FOS tape.

**#20 ERROR MESSAGE**

```
CYCLIC JOB CALL ENCOUNTERED. JOB PROCESSING ifilename  
(INSTERR #20)
```

**ACTION**

Type LISTF I??????? .USL.SYS.

- If the file INDIRECT exists, purge it, and run AUTOINST again.
- If the LISTF lists the *ifilename* identified in the error message, inspect that file for valid job commands. If this inspection shows that the file is not a valid job, either purge the file, or remove it from the group/account USL.SYS.
- If the LISTF lists the *ifilename* identified in the error message, and inspection of the file shows that the file is a valid job, the file may be corrupted. Purge the file, and restore it again from the SUBSYS tape. Then, restart AUTOINST.

If AUTOINST fails again with this error, please contact your Response Center for assistance.

**#21 ERROR MESSAGE**

```
INVALID JOB ENCOUNTERED. JOB PROCESSING: ifilename  
(INSTERR #21)
```

**ACTION**

Please follow the instructions given for INSTERR #20.

**#22 ERROR MESSAGE**

```
AN INSTALLATION JOB STREAM HAS FAILED.  JOB STREAMING: ifilename
(INSTERR #22)
```

**ACTION**

Use SPOOK5 to determine why the job failed. (Text the file in SPOOK5, and read the JCL.) If you need the job number, use EDITOR to text HPINSTFL. The job numbers are listed at the end of HPINSTFL.

**#28 ERROR MESSAGE**

```
INSTALLATION FILE CALLED BY JOB.  JOB PROCESSING: ifilename
(INSTERR #28)
```

**ACTION**

Please follow the instructions given for INSTERR #20.

**#29 ERROR MESSAGE**

```
UNABLE TO RECOVER INSTALLATION FILE PROCESSING.
(INSTERR #29)
```

**ACTION**

A required installation file has been purged from the system. Restore I????????.USL.SYS from the SUBSYS tape, and run AUTOINST again. Be sure to use the appropriate SUBSYS tape.

**#30 ERROR MESSAGE**

```
AUTOINST DOES NOT SUPPORT STREAMING EXTERNAL JOBS
FROM WITHIN INSTALLATION FILE.
JOB PROCESSING: ifilename
(INSTERR #30)
```

**ACTION**

Please follow the instructions given for INSTERR #20.

**#36 ERROR MESSAGE**

ADD-ON CANNOT BE COMPLETED WITHOUT AN ADD-ON  
SUBSYS TAPE.  
(INSTERR #36)

**ACTION**

Your ADD-ON installation package is incomplete if it does not include an ADD-ON SUBSYS tape. Contact your Response Center.

**#37 ERROR MESSAGE**

PATCH CANNOT BE COMPLETED WITHOUT A PATCH TAPE.  
(INSTERR #37)

**ACTION**

Your PATCH installation package is incomplete if it does not include a PATCH tape. Contact your Response Center.

**#38 ERROR MESSAGES**

THE ADD-ON TAPE HAS NOT BEEN SUCCESSFULLY RESTORED.  
(INSTERR #38)

**ACTION**

Please follow the instructions given for INSTERR #6.

**#39 ERROR MESSAGE**

THE PATCH TAPE HAS NOT BEEN SUCCESSFULLY RESTORED.  
(INSTERR #39)

**ACTION**

Please follow the instructions given for INSTERR #6.

## B.1.2 Warning Messages

### #1 WARNING MESSAGE

```
*WARNING -- THIS PROGRAM CANNOT INSTALL THE PRODUCTS
LISTED BELOW.  IF YOU WANT TO CONTINUE WITH AUTOINST
THE COLD LOAD TAPE WILL NOT INCLUDE THESE PRODUCTS.
(INSTWARN #1)
```

#### ACTION

The SUBSYS tape has non-autoinstallable products. Install all of these products before creating the coldload tape. If you do not, you will need to create another coldload tape.

### #2 WARNING MESSAGE

```
THE CE DIAGNOSTICS TAPE WAS NOT SUCCESSFULLY CREATED.
HOWEVER, THIS WILL NOT AFFECT THE INSTALLATION.
(INSTWARN #2)
```

#### ACTION

When AUTOINST has completed, mount a blank (write-enabled) tape. Put the tape drive online, and enter the following:

```
:HELLO FIELD.SUPPORT,HP32231
:RUN COPYDUS
```

Label the tape with the date and date code.

### #3 WARNING MESSAGE

```
LOGICAL DEVICE nn IS AN INVALID COLD LOAD MEDIA DEVICE.
(INSTWARN #3)
PLEASE ENTER ANOTHER LOGICAL DEVICE NUMBER FOR
CREATION OF THE COLD LOAD TAPE.
>>
```

#### ACTION

Please enter the valid logical device number.



**#4 WARNING MESSAGE**

```
CANNOT CREATE DUS TAPE BECAUSE OF INVALID LDEV TYPE.  
(INSTWARN #4)
```

**ACTION**

Please follow the actions described for INSTWARN #2.

**#5 WARNING MESSAGE**

```
COULD NOT CREATE DUS PROCESS.  
(INSTWARN #5)  
CREATEPROCESS ERROR: nn
```

**ACTION**

Please follow the actions described for INSTWARN #2.

**#6 WARNING MESSAGE**

```
AN INVALID LOGICAL DEVICE NUMBER WAS ENTERED.  
(INSTWARN #6)  
PLEASE ENTER ANOTHER LOGICAL DEVICE NUMBER FOR  
CREATION OF THE COLD LOAD TAPE.  
>>
```

**ACTION**

Please enter the valid logical device number.

**#7 WARNING MESSAGE**

```
INVALID DENSITY SPECIFIED.  
(INSTWARN #7)
```

**ACTION**

Please enter a valid tape density.

**#8 WARNING MESSAGE**

```
EXPECTED "YES" OR "NO".
```

**ACTION**

The input to the prompt was invalid. Please enter "YES" or "NO" at the prompt.

**#9 WARNING MESSAGE**

```
INVALID INPUT.  
(INSTWARN #9)
```

**ACTION**

Please respond to the prompt as directed.

**#10 WARNING MESSAGE**

```
*WARNING -- THE FOLLOWING PRODUCTS MAY REQUIRE  
CONFIGURATION CHANGES. HOWEVER, THIS WILL NOT AFFECT  
THE SOFTWARE INSTALLATION FOR THESE PRODUCTS. THE  
THE CONFIGURATION CHANGES MAY BE DONE AFTER COMPLETION OF  
OF THE INSTALLATION. (INSTWARN #10)
```

**ACTION**

Data communication products exist on the system that may require changes to the configuration. Please consult the appropriate reference manual after installation of the product is complete.

## B.2 SYSTEM ERRORS

System-generated error messages, particular to the functioning of AUTOINST, and their resolutions are described below. Any other system errors are referenced in the MPE manual.

### B.2.1 Out of Disc Space on LDEV1

If you received the message:

```
ERROR #326 OUT OF DISC SPACE ON LDEV1
```

Enter the following commands:

**On a Series 37, MICRO 3000, or MICRO 3000/XE:**

Ensure the keyswitch is in position 2. Enter:

**CONTROL B**

**On all other systems:**

Enter:

**CONTROL B**  
**>HALT**

Perform a COOLSTART. When prompted "RECOVER LOST DISC SPACE?", enter Y. It will require approximately ten minutes per 1000 files to recover the disc space. When the COOLSTART has completed, use the MPE VINIT command with the >COND 1 option.

Should the COOLSTART fail, perform a RELOAD from your backup tapes.

## B.2.2 Out of Memory or Out of BANK 0

If you received the message:

ERROR #350 OUT OF MEMORY

or

ERROR #351 OUT OF BANK 0

Enter the following commands:

**On a Series 37, MICRO 3000, or MICRO 3000/XE:**

Ensure the keyswitch is in position 2. Enter:

CONTROL B

**On all other systems:**

Enter:

CONTROL B  
>HALT

Perform a COOLSTART using one or more of the following options:

- If your system table sizes are too large, reconfigure them. Refer to Section VII of the MPE System Operation and Resource Management Reference Manual (32033-90005).
- If there are gaps in the logical device numbers which exceed the current number of spoolfiles, reconfigure the devices without gaps.
- If the new CST expansion firmware board is not installed on your system, decrease the system table sizes. Refer to Section 7 of the MPE System Operations and Resource Management Reference Manual (32033-90005).

If the COOLSTART fails, perform a RELOAD/SPREAD from the backup tapes.

# WORKSHEET

APPENDIX

C

V.UU.FF number: \_\_\_\_\_

SYSSTART.PUB.SYS renamed to \_\_\_\_\_

Manually installed products requiring I/O Configuration Changes (INSTWARN #1):

---

---

---

---

Special products requiring I/O Configuration Changes (INSTWARN #10):

---

---

---

---

## Syntax for Passwords and UDCs

Task	Command Syntax
Remove account passwords	:ALTACCT <i>acctname</i> ;PASS=
Remove user passwords	:ALTUSER <i>username.acctname</i> ;PASS=
Remove group passwords	:ALTGROUP <i>groupname.acctname</i> ;PASS=
Determine associated UDC filename	:SHOWCATALOG
Disable system-wide UDCs ( <b>SYS</b> account only)	:SETCATALOG;SYSTEM
Disable account-level UDCs (including <b>SYS</b> account)	:SETCATALOG;ACCOUNT
Disable logon user-level UDCs (within each account)	:SETCATALOG
Place/replace account passwords	:ALTACCT <i>acctname</i> ;PASS= <i>password</i>
Place/replace user passwords	:ALTUSER <i>username</i> ;PASS= <i>password</i>
Place/replace group passwords	:ALTGROUP <i>groupname</i> ;PASS= <i>password</i>
Enable system-wide UDCs ( <b>SYS</b> account only)	:SETCATALOG <i>udcfilename</i> ;SYSTEM
Enable account-level UDCs (all accounts)	:SETCATALOG <i>udcfilename</i> ;ACCOUNT
Enable logon user-level UDCs (within each account)	:SETCATALOG <i>udcfilename</i>

## Passwords and UDCs

User	User Password	Account	Account Password	Group	Group Password	UDC Filename(s)
MANAGER	_____	SYS	_____	PUB	_____	U) _____ A) _____ S) _____
MGR	_____	TELESUP	_____	HP35136A	_____	U) _____ A) _____

## Passwords and UDCs for HPOFFICE

User	User Password	Account	Account Password	Group	Group Password	UDC Filename(s)
MGR	_____	HPOFFICE	_____	PUB	_____	U) _____
WP	_____			HPPROFS	_____	U) _____
				HPTELEX	_____	A) _____
				WP	_____	
				MAILLIB	_____	
MGR	_____	HPWORD	_____	PUB	_____	U) _____ A) _____

**SYSDUMP \$NULL Configuration Values**

DRT # for logical device 1	
LDEV # for the coldload device	
Device class for the coldload device	
LDEV # of the streams device	
Driver Name and LDEV # of any device with the same device name as the streams output device.	
EXTENDED CST	
PCB	
DISC REQUEST TABLE (QUEUE)	
SWAP TABLE	
PRIMARY MESSAGE TABLE	
SECONDARY MESSAGE TABLE	
MAX # OF CONCURRENT RUNNING PROGRAMS	
MAX CODE SEG SIZE	
MAX # OF CODES SEGMENTS/PROCESS	
MAX STACK SIZE	
MAX EXTRA DATA SEG(MENT) SIZE	
MAX # OF EXTRA DATA SEGMENTS/PROCESS	



# READER COMMENT SHEET

We welcome your evaluation of this manual. Your responses and comments help us to improve our publications for you. Please answer the following questions and return it to us at your earliest convenience.

1. Which of the following most accurately describes your job responsibilities?

\_\_\_ System Manager \_\_\_ Operations Supervisor \_\_\_ Operator \_\_\_ Other: \_\_\_\_\_

2. Which HP 3000 machine(s) are you running?

\_\_\_ Series 37/MICRO 3000 \_\_\_ Series 4X \_\_\_ Series 5X \_\_\_ Series 6X/70

3. How many times have you performed an Installation/Update/Add-On?

\_\_\_ 1 \_\_\_ 2 to 3 \_\_\_ 4 to 6 \_\_\_ 7 or more

4. How would you rate the ease of use/clarity of this manual on a scale from 1 to 4?

(Good) 1 -- 2 -- 3 -- 4 (Poor)

Comment: \_\_\_\_\_

5. How would you rate the quantity of information in this manual, excluding manually installed products, on a scale from 1 to 4?

(Too much) 1 -- 2 -- 3 -- 4 (Not enough)

Comment: \_\_\_\_\_

6. If you installed any manually installed products (e.g. HPWORD, HPDeskManager, etc.), how would you rate the quantity of information for these products on a scale from 1 to 4?

(Too much) 1 -- 2 -- 3 -- 4 (Not enough)

Products installed: \_\_\_\_\_

7. What changes can we make to this Manual to make it more useful for you and your organization?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

---

FROM:

Date: \_\_\_\_\_

Name \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_  
\_\_\_\_\_

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