HEWLETT PACKARD

Part Number: FOS2542-051/9095

| Description | Unit of Measure | Part Class | Part Status | Inventory Segment |
|---|---|---|---|---|
| T-D-3 FOS 1600 BPI | EA | F | | SDPKIT |

| Component Part | Config Code | Description | UM | Quantity Per | Phantom Flag |
|---|---|---|---|---|---|
| 32033-11018/2542 | | FOS TAPE/T-D-3(2542) | EA | 1.0000 | N |
| 32033-90036R2542 | | UPDATE INSTL PROC/T-D-3(2542) | EA | 1.0000 | N |
| 5957-7029E0684 | | MATERIAL REPLACEMENT FORM | EA | 1.0000 | N |
| 5957-7032R2542 | | SW UPDATE LETTER/T-D-3 | EA | 1.0000 | N |

End of retrieval

# MATERIALS REPLACEMENT FORM

Date: .....

## *CUSTOMER INFORMATION*

( information in this section should be taken off the material list )

System Manager: .....
Company Name: .....
Company Address: .....
.....
.....

Sys: .....

FOS/3000
Support Contract: .....

## *REPLACEMENT INFORMATION*

( check box and fill in information )

☐ *Missing Media or Documentation* ( information for this section comes from the material list )

| KIT ( eg. 05957-70320/2345 ) | DESCRIPTION |
|---|---|
| | |

☐ *Defective Media*

- Description of Problem: .....
  .....
- If FOS tape is defective: ( information found on the FOS tape label )

| DESCRIPTION | VUF | DATE CODE | PART NUMBER | MEDIA |
|---|---|---|---|---|
| | | | | |

- If SUBSYS tape is defective: ( information found on the SUBSYS tape label )

| DESCRIPTION | SYSTEM HANDLE | PART NUMBER | DATE CODE |
|---|---|---|---|
| | | | |

☐ *Missing Product*

- List products missing: 1. ..... 2. .....

( information found on the SUBSYS tape label )

| DESCRIPTION | SYSTEM HANDLE | PART NUMBER | DATE CODE |
|---|---|---|---|
| | | | |

P/N: 5957-7029 E0684

HEWLETT PACKARD

SOFTWARE DISTRIBUTION CENTER • 3150 Central Expressway, Santa Clara, CA. 95051

FOS/SUBSYS: T-Delta-3 (G.01.03)
Datecode: 2542

Dear HP3000 Customer:

Enclosed you will find your customized tapes and installation procedures needed to successfully perform the installation of T-Delta-3 (G.01.03), date code 2542. Prior to updating your system to the enclosed software release I would like to take this time to review Hewlett-Packard's system software offering with you. As you know, we have been offering MPE V/P-based and MPE V/E-based operating systems on current HP3000 systems. MPE V/E has proved to be the most reliable base for HP3000 software in years, and it provides greater expandability and flexibility in adding new applications and peripherals. MPE V/E T-Delta-3 is an example of this reliability and provides you with our most advanced versions of the HP software products you require.

Since we believe that quality and expandability of MPE V/E will provide you with the best foundation for meeting your future computing needs, all HP3000 installations with MPE V/P or MPE V/E-based support contracts are receiving T-Delta-3. If your system is currently running on an MPE V/P-based software release, you may update to T-Delta-3 when you feel that it is appropriate. For Series 39, 40, 42, 44, and 48 systems, we will continue to support your old firmware after you update to T-Delta-3 or any other MPE V/E-based software release. When you do decide to order the new firmware, you will be able to take full advantage of the added expandability which MPE V/E has to offer.

By providing you with the T-Delta-3 software and its corresponding, carefully tested installation procedures, we are confident that you can successfully perform the installation. While most users will prefer installing the update themselves, Hewlett-Packard will still be available to assist you either by telephone or by visiting your site.

**Before initiating the installation, there are three steps which must be performed: (1) verify the usability of the kit, (2) review the installation procedures, and (3) schedule the installation.**

Verify Usability of the Kit

The following steps should be performed in order to verify the usability of your customized update kit:

(1) Review the "Material List" carefully to ensure all products for which you have purchased support are on the SUBSYS tape.

(2) Verify that the SUBSYS tape does indeed correspond to the material list. This can be done by checking that the system-handle is the same on both the "Material List" and the SUBSYS tape.

(3) Since media can be damaged while in transit, verify the readability of the media well in advance of the installation. To verify the readability perform the steps in the first addendum.

Should you determine that any portion of the kit is missing or defective, a Materials Replacement Form has been included. Please fill out appropriate sections of the form, then contact the Hewlett-Packard Engineering Administrator (AEA) at the local support office.

Document P/N: 5957-7032 R2542
issue date 11/11/85

Review Installation Procedures

The enclosed installation procedures have been written specifically for the T-Delta-3 (G.01.03) software contained in this kit. It is recommended that the procedures be read entirely, including the Special Considerations Section, prior to beginning the installation. **During the installation, the procedures must be performed in the specified order to ensure your success.**

Schedule the Installation

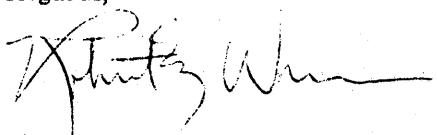
Once you are satisfied that the material is complete and tested, and that you understand the installation procedures, you should schedule the installation for a convenient time. If you have a CSS or AMS contract, contact your Account SE, discuss any questions regarding the installation, and inform your SE of your intended installation date and time. This will ensure that HP support is available, should you require it.

Once the installation has been performed, be sure to clearly label and archive all tapes and printed output for future reference.

If you have support related questions or concerns, contact your local Hewlett-Packard sales office or your Account SE. For your reference, Addendum 2 provides a list of all subsystem product versions which have been integrated and are supported on this release. Also, Section 1 of the HP3000 Software Update Manual specifies the software releases currently supported by Hewlett-Packard.

Comments or suggestions regarding the Installation Procedures are welcome; fill out and mail the comment card attached to the Installation Procedures. This will help us in our continuous efforts to improve our products and services.

Regards,



Bob Wrenn
Support Engineering Manager
Software Update Management Group

# ADDENDUM 1

The following steps should be performed to verify the readability of the enclosed media. All media should be verified before taking any action.

a. Create a job file (if you are verifying a cartridge tape, replace "TAPE" with "CTAPE" in the third command below)-

```
!JOB TAPECHK,MANAGER/pass.SYS/pass
!COMMENT  This job verifies media readability.
!FILE T;DEV=TAPE;REC=4096,1,U,BINARY
!FCOPY FROM=*T;TO=$NULL;FILES=ALL
!EOJ
```

b. Stream the job -

```
:STREAM jobfilename
```

c. Mount FOS tape and reply to the tape request -

```
=REPLY pin,ldev
```

d. When complete, mount SUBSYS tape and stream the job -

```
:STREAM jobfilename
=REPLY pin,ldev
```

e. Examine the line printer output. If the tapes are readable, the job should abort in one of two ways:

1. Abort with the error message "MAGNETIC TAPE RUNAWAY", or
2. Abort with any other error message preceded by:

```
*143*WARNING:  FROMFILE IS EMPTY
0 RECORDS PROCESSED *** 0 ERRORS

*143*WARNING:  FROMFILE IS EMPTY
0 RECORDS PROCESSED *** 0 ERRORS

*143*WARNING:  FROMFILE IS EMPTY
0 RECORDS PROCESSED *** 0 ERRORS
```

Any other error message is an indication that the tape may be defective, in which case the update should not be performed and you should contact your local HP Sales Office. The "Materials Replacement Form" should be completed and you should contact the AEA at the area support office shown on the return address of this package. Replacement media will be shipped to you within ten working days.

ADDENDUM 2

INTEGRATED SOFTWARE ON G.01.03

| Product Number | Product Description | Version |
|---|---|---|
| 19550 | HPCOPYCAT/3000 | A.00.04 |
| 27205 | SPEECH LIBRARY/3000 | A.01.01 |
| 27500 | HPCONVERT/3000 | A.00.01 |
| 27510 | PPC BASE PACK/3000 | A.00.00 |
| 27511 | PPC WORD PROC PACK/3000 | A.00.00 |
| 27513 | PPC ADVANCED PACK/3000 | A.00.00 |
| 27516 | PPC WORD PROC PACK/3000 | A.00.00 |
| 30131 | CS/3000 | A.55.28 |
| 30196 | ATP/3000 | G.50.48 |
| 30239 | WORKSTATION CONFIG/3000 | A.00.02 |
| 30245 | DSN/SNA NRJE/3000 | A.50.04 |
| 30246 | DSN/SNA LINK/3000 | A.51.04 |
| 30247 | SNA/IMF/3000 | A.51.00 |
| 30248 | DSN/RJE/3000 | A.53.40 |
| 30249 | MRJE/3000 | A.54.31 |
| 30250 | DSN/IMF/3000 | A.52.10 |
| 30302 | SILHOUETTE/3000 | A.00.00 |
| 30539 | DISC CACHE/3000 | A.00.01 |
| 32047 | MODCAL LIBRARY/3000 | A.00.00 |
| 32100 | SPL/3000 | A.08.06 |
| 32102 | FORTRAN/3000 | B.01.11 |
| 32103 | BASICOMP/3000 | B.00.20 |
| 32104 | RPG/3000 | A.06.06 |
| 32106 | PASCAL/3000 | A.01.10 |
| 32108 | HPDRAW/3000 | A.03.01 |
| 32109 | HPEASYCHART/3000 | A.03.00 |
| 32111 | BASIC/3000 | B.00.20 |
| 32112 | HPMENU/3000 | A.02.00 |
| 32113 | HPMAP/3000 | A.01.00 |
| 32115 | HP BUSINESS BASIC/3000 | A.00.01 |
| 32116 | FORTRAN 77/3000 | A.00.01 |
| 32119 | HPWORD INTRINSICS/3000 | A.01.00 |
| 32120 | HPWORD/3000 | A.05.01 |
| 32122 | AGL/3000 | A.04.02 |
| 32123 | PPC ADVANCED PACK/3000 | A.00.00 |
| 32132 | HPLISTKEEPER/3000 | A.00.03 |
| 32133 | DELUXE VISICALC/3000 | B.01.01 |
| 32134 | SDTODIF/3000 | A.00.01 |
| 32180 | APS/3000 | A.01.03 |
| 32185 | DSN/DS/3000 | B.51.04 |
| 32187 | DSN/X.25/3000 | B.51.04 |
| 32193 | MTS/3000 | A.57.07 |
| 32196 | ADCC/3000 | G.50.58 |
| 32201 | EDITOR/3000 | A.07.17 |
| 32205 | SCIENTIFIC LIB/3000 | B.00.05 |
| 32206 | DEL/3000 | A.01.11 |
| 32208 | KSAM/3000 | A.04.02 |
| 32209 | VPLUS/3000 | B.04.12 |

## INTEGRATED SOFTWARE ON G.01.03

| Product Number | Product Description | Version |
|---|---|---|
| 32211 | COMPILER LIB/3000 | D.01.08 |
| 32212 | FCOPY/3000 | A.03.20 |
| 32213 | COBOL/3000 | C.02.12 |
| 32214 | SORT/MERGE/3000 | C.05.00 |
| 32215 | IMAGE/3000 | B.04.66 |
| 32216 | QUERY/3000 | B.01.10 |
| 32232 | COBOL LIB/3000 | A.01.02 |
| 32233 | COBOL II/3000 | A.00.15 |
| 32238 | OPT/3000 | A.00.21 |
| 32243 | DATACAPTURE/3000 | A.01.01 |
| 32244 | DICTIONARY/3000 | A.02.01 |
| 32245 | REPORT/3000 | A.02.07 |
| 32246 | INFORM/3000 | A.02.07 |
| 32247 | TRANSACT/3000 | A.02.07 |
| 32248 | PROG. PRODUCTIVITY/3000 | A.02.07 |
| 32249 | RAPID/3000/PROCESSOR | A.02.07 |
| 32250 | DSG/3000 | A.04.00 |
| 32345 | PRINT SPOOLER/3000 | A.00.03 |
| 32350 | HPTOOLSET/3000 | A.01.06 |
| 32414 | NLS/3000 | A.00.00 |
| 32433 | INSTALLER/3000 | G.01.03 |
| 32434 | CUSTOMIZER/FTD/3000 | A.00.05 |
| 32452 | PPC PROF SYSTEM/3000 | A.00.00 |
| 32453 | PPC WORKGROUP SYSTEM/3000 | A.00.00 |
| 32595 | TRANSPARENT PRINT/3000 | A.00.04 |
| 35074 | COLOSSUS/3000 | A.00.01 |
| 36561 | HPSPELL/3000 AMERICAN | A.01.01 |
| 36562 | HPSPELL/3000 AM/BR | A.01.01 |
| 36570 | HPDESKMANAGER/3000 | A.03.00 |
| 36572 | HPTELEX/3000 | A.02.01 |
| 36576 | HPSLATE/3000 | A.04.03 |
| 36578 | TDP/3000 | A.04.00 |
| 36580 | IFS/3000 | A.02.06 |
| 36581 | IDS/3000 | A.02.01 |
| 36583 | LASER PRINTER GRAPH./3000 | A.02.02 |
| 36584 | LASER PRINTER SUPT./3000 | A.03.01 |
| 36891 | PRINT CENTRAL S/37 | A.00.00 |
| 36892 | PRINT CENTRAL S 4x/6x | A.00.00 |
| 36894 | HPACCESS CENTRAL S/37 | A.00.04 |
| 36895 | HPACCESS CENTRAL S 4x/6x | A.00.04 |
| 36896 | HPACCESS REMOTE/3000 | A.01.04 |
| 36899 | PCSERVER/3000 | A.01.03 |

HP 3000 Computer Systems

# HP 3000 SOFTWARE UPDATE MANUAL

## Version G.01.03 of MPE V/E ("T-DELTA-3)

HEWLETT PACKARD
19447 PRUNERIDGE AVENUE, CUPERTINO, CA 95014

Part No. 32033-90036
R2542

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# CONVENTIONS USED IN THIS MANUAL

| NOTATION | DESCRIPTION |
|---|---|
| COMMAND | Commands are shown in CAPITAL LETTERS. The names must contain no blanks and be delimited by a nonalphabetic character (usually a blank). |
| KEYWORDS | Literal keywords, which are entered optionally but exactly as specified, appear in CAPITAL LETTERS. |
| ***parameter*** | Required parameters, for which you must substitute a value, appear in ***bold italics***. |
| *parameter* | Optional parameters, for which you may substitute a value, appear in *standard italics*. |
| [ ] | An element inside brackets is optional. Several elements stacked inside a pair of brackets means the user may select any one or none of these elements.<br>Example: [ A ]<br>[ B ] user may select A or B or neither.<br><br>When brackets are nested, parameters in inner brackets can only be specified if parameters in outer brackets or comma placeholders are specified.<br>Example: [*parm1*[,*parm2*[,*parm3*]]] may be entered as:<br><br>*parm1*,*parm2*,*parm3* or<br>*parm1*,,*parm3* or<br>,,*parm3* , etc. |
| { } | When several elements are stacked within braces the user ***must*** select one of these elements.<br>Example: { A }<br>{ B } user must select A or B. |
| ... | An ellipsis indicates that a previous bracketed element may be repeated, or that elements have been omitted. |
| user input | In examples of interactive dialog, user input is underlined.<br>Example: NEW NAME? ALPHA1 |
| superscript$^{C}$ | Control characters are indicated by a superscript$^{C}$. Example: A$^{C}$. (Press A and the CNTL key simultaneously.) |
| ⎕ | ⎕ indicates a terminal key. |
| <<COMMENT>> | Programmer's comments in listings appear within << >>. |
| ** Comment ** | Editor's comments appear in this form. |

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# PREFACE

This manual describes how to update your system to the latest HP 3000 software release: version G.01.03 of MPE V/E (known as "T-Delta-3"). The technical content of the manual is at a level of understanding that a System Manager should be familiar with. **Do not attempt the installation if you have not been through the System Management training course.**

You will be installing software from a FOS tape and, possibly, a SUBSYS tape, both supplied by Hewlett-Packard. The term FOS refers to the Fundamental Operating Software, and SUBSYS refers to the optional set of subsystems that you may have purchased. If you, as System Manager, have any problems or questions during the installation, contact your Response Center or local Application Engineering Organization (AEO).

---

This document includes two sections and eleven appendices, which are presented in a logical order with easy referencing.

The first section, Special Considerations, contains information that highlights any changes made from past installation procedures. **Be sure to read this section with considerable care, since it also describes various steps that you might have to perform before you begin the installation.**

Section II, Installation Procedures, is the focal point of this manual; **there have been considerable changes made to this section since the last software release.** After finishing Section II, the installation will be complete, since all eleven appendices are referenced here.

The eleven appendices are next, starting with Appendix A and Appendix B. These two appendices lead you through a :SYSDUMP dialog. They will be referenced when it is necessary to record or change your system configuration values.

Appendix C contains procedures for installing or updating HPOFFICE products, specifically HPSPELL/3000, HPWORD/3000, TDP/3000, HPMENU/3000, HPTELEX/3000, and HPDESKMANAGER/3000.

The next three appendices describe the procedures for installing or updating the following products: Appendix D for the data base for DSN/X.25/3000, Appendix E for the configuration file for NRJE/3000, and Appendix F for the Speech Library/3000.

Appendix G describes how to create both the Fault Locating Diagnostics (FLD) and the Stand-Alone Diagnostics for an HP 3000 Series 64/68.

Appendix H gives procedures to follow if the update from the FOS tapes fails.

The next two appendices describe the procedures for installing the following products: Appendix I for the HP Access Central and Appendix J for the Print Central/3000.

Appendix K gives the appropriate actions to follow if AUTOINST terminates.

Appendix L is the Installation Worksheet, which is used to record passwords, UDC file names, system configuration values, and other information.

# SPECIAL CONSIDERATIONS

SECTION I

This section contains important information specifically relating to the installation of version G.01.03 of MPE V/E. Some of the information in this section is discussed in greater detail in the sections that follow.

## A. MPE INFORMATION

1. The :SHOWME command allows you to determine the *V.UU.FF* (MPE version) currently on the system. If your *V.UU.FF* does not match any of those in the following list, contact your response center or local Application Engineering Organization (AEO) for assistance with the installation:

| V.UU.FF | BASE | CODE NAMES | DATE CODE | |
|---|---|---|---|---|
| C/D.x1.00 | MPE IV | Q-MIT | (2244) | ↑ |
| C/D.x1.01 | MPE IV | Q-Delta-1 | (2323) | MPE IV |
| C/D.x1.x2 | MPE IV | Q-Delta-2 | (2338) | |
| E/F.x0.x0 | MPE V/P | MPE V/P | (2348) | ↓ |
| G.xx.xx | MPE V/E | S-MIT | (2412) | ↑ |
| E/F.x0.x1 | MPE V/P | MPE Delta-1 V/P | (2424) | MPE V |
| G.x1.xx | MPE V/E | T-MIT | (2448) | |
| G.x1.x1 | MPE V/E | T DELTA-1 | (2510) | ↓ |
| G.x1.x2 | MPE V/E | T DELTA-2 | (2531) | |
| G.x1.x3 | MPE V/E | T DELTA-3 | (2542) | |

2. If you are performing the installation from an MPE IV- or an MPE V/P-based system, you will be instructed to restore and then run the conversion program PCONVERT.PUB.SYS before performing the update with the FOS tape. Running this program will purge all of the MPE IV-, MPE V/P-based utilities residing in PUB.SYS as a part of its conversion process.

   If a particular MPE IV-, MPE V/P-based utility (for example, FREE2) has been moved out of PUB.SYS, PCONVERT will not purge it. An attempt to run any MPE IV-, MPE V/P-based utility on any version of MPE V/E will cause anything from a system hang to a system failure. (For a discussion on utilities, refer to "MPE V/E Utilities" in the Communicator 3000 (5955-1770; Volume 2, Issue 1).)

3. The group USL.SYS, and the files CATALOG.PUB.SYS and SL.PUB.SYS will be treated in the following ways:

   - The group USL.SYS will be purged and rebuilt during the installation. The program AUTOINST will purge all files from this group, but will leave the accounting structure intact. If any user files reside in this group, they should be moved to another group before you begin Section II, "INSTALLATION PROCEDURES".

   - The file CATALOG.PUB.SYS will be overwritten during the installation. If any modifications have been made to it, reenter these modifications after the installation is complete.

   - The file SL.PUB.SYS will be overwritten during the installation. If any user SL segments reside in SL.PUB.SYS, replace them after the installation is complete. A new coldload tape should also be made after the installation, if you did install user SL segments.

   (The very end of Section II, "INSTALLATION PROCEDURES", contains a discussion on what to do with the files CATALOG.PUB.SYS and SL.PUB.SYS after the installation is complete.)

4. If you have Private Volumes on the system refer to the MPE V/E System Operation And Resource Management Reference Manual (32033-90005) for information on restoring to a private volume. Specifically, refer to the section entitled SUBSYSTEMS AND UTILITIES, subsections "Private Volumes Overview", "Private Volumes Applications, and "Mounting And Dismounting Private Volumes".

## B. SUBSYSTEM INFORMATION

1. The program AUTOINST will ensure that accounts HPPL85, HPPL87, HPPL89, and HPPL96 exist during the installation. At the very end of the installation, the program AUTOINST will purge these accounts. If any user files reside in any of these accounts, they should be moved to other accounts before you begin Section II, "INSTALLATION PROCEDURES".

2. HPSPELL/3000, HPWORD/3000, TDP/3000, HPMENU/3000, HPTELEX/3000, HPDESKMANAGER/3000, the data base needed for DSN/X.25/3000, the configuration file needed for a new installation of NRJE/3000, and SPEECH LIBRARY/3000 are not automatically installed. Appendices C, D, E, and F will explain how to install these products when directed in the Installation Procedures.

3. You should not attempt to install/update the HPWORD/3000, HPTELEX/3000, or HPDESKMANAGER/3000 products without consulting your HP Software Engineer.

4. Source code for the VPLUS/3000 entry program (ENTRY.PUB.SYS) is available in five different languages: COBOL, RPG, FORTRAN, SPL, and BASIC. The source files are stored in the group HP32209.HPPL89.

5. With version G.01.03 of MPE V/E, system-wide UDCs must be set in order to allow users to invoke the HP FORTRAN 77/3000 compiler and the HP Business BASIC interpreter and compiler. Record the following UDC file names on the Installation Worksheet (Appendix J) under number 2, System-wide UDC(s):

   ```
   FTNUDC.PUB.SYS
   HPBBUDC.PUB.SYS
   ```

   Near the completion of the installation you will be instructed to set all UDCs listed on the Installation Worksheet.

6. If you are planning to update HPDESKMANAGER/3000 record the version number of the HPDESKMANAGER/3000 currently on the system (run HPDESKMANAGER/3000 to get the version number that it displays). This step is important because later on in the installation (see Appendix C) the steps that you take will depend on which version you currently have.

7. If updating HPTELEX/3000 from version A.01.*xx* or A.02.00, ensure that all telexes have been sent.

8. SNA/IMF is not listed by the program AUTOINST as a product which may require I/O configuration changes. If SNA/IMF was ordered, please list it now on number 5 of the Installation Worksheet.

# INSTALLATION PROCEDURES

SECTION II

This section enables you to install version G.01.02 of MPE V/E. Follow the procedures step-by-step, verifying the successful completion of one step before performing the next.

## A. PREPARE FOR THE SYSTEM UPDATE

Perform the following steps to prepare for a system update:

1. Ensure that a full backup of the system has been performed before proceeding.

2. Advise users of the planned update, so they can prepare for the lack of availability of the system during the update process.

3. The following storage media are required for the installation:

   - A FOS tape and an optional SUBSYS tape from Hewlett-Packard. The tape(s) should be verified before starting the installation to ensure their readability, as instructed in the cover letter.

   - One scratch tape for the coldload medium (another scratch tape may be necessary if you have additional files in PUB.SYS).

   - A 600' scratch tape for the creation of the Diagnostic Utility System (DUS) tape (referred to as the CE Diagnostics tape in this manual). Do not reuse the previous DUS tape.

   - If on a Series 64/68, a floppy disc and an additional scratch tape to create the Fault Locating Diagnostics (FLD) and the Stand-Alone Diagnostics.

   - An additional scratch tape may be needed for an extra coldload at the beginning of the installation.

4. The :SHOWME command allows you to determine the *V.UU.FF* (MPE version) currently on your system, for example:

```
:SHOWME
USER: #S2,MANAGER.SYS,PUB     (NOT IN BREAK)
MPE VERSION: HP32033G.01.03.  (BASE G.01.03).
CURRENT: THU, OCT 25, 1984,  5:27 PM
LOGON:   THU, OCT 25, 1984,  5:13 PM
CPU SECONDS: 8          CONNECT MINUTES: 2
$STDIN LDEV: 20         $STDLIST LDEV: 20
```

   If you have not already done so, confirm that you have an appropriate *V.UU.FF* (they are listed in Section I). If the *V.UU.FF* is inappropriate, contact your Response Center or local AEO for assistance with the installation.

5. Log onto the system from the System Console, as follows:

```
:HELLO MANAGER/password.SYS/password,PUB;HIPRI
```

**NOTE**

The procedures that follow assume that the following users have Account Manager (AM) capability (use the utility LISTDIR2/5 to check user capabilities):

| | |
|---|---|
| FIELD.SUPPORT | FIELD.HPPL96 |
| FIELD.HPPL85 | MGR.HPOFFICE |
| FIELD.HPPL87 | MANAGER.ITF3000 |
| FIELD.HPPL89 | MGR.TELESUP |

6. Enter the following commands to ensure that no other sessions or jobs are running:

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

Only MANAGER.SYS should be logged on. If any other sessions are executing, issue a warning via the :WARN@ command advising users that they must log off; jobs that are running and sessions still executing will need to be aborted by entering the following commands:

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

You may wish to tear out Appendix L, the Installation Worksheet. On this worksheet, you will frequently be recording information that will be needed later during the installation.

7. Ensure that the file HPINSTFL.PUB.SYS is not present on the system by entering the following command:

```
:RENAME HPINSTFL.PUB.SYS,filename
```

or

```
:PURGE HPINSTFL.PUB.SYS
```

8. Under number 1 of the Installation Worksheet, Appendix L, record and remove the passwords for the users MANAGER.SYS and OPERATOR.SYS, and the account SYS. You may want to use the utility LISTDIR2/5 to reveal passwords. Refer to the MPE V Utilities Reference Manual (32033-90008) for information on LISTDIR2/5. Remove the passwords as follows:

```
:ALTUSER MANAGER;PASS=
:ALTUSER OPERATOR;PASS=
:ALTACCT SYS;PASS=
```

Ensure that the home group of MANAGER.SYS is PUB by entering the following command:

```
:ALTUSER MANAGER;HOME=PUB
```

If the SUPPORT account exists (use the :LISTACCT command to find out), record and remove the passwords for the user FIELD.SUPPORT and the account SUPPORT. Remove the passwords as follows:

```
:ALTACCT SUPPORT;PASS=
:HELLO FIELD/password.SUPPORT,PUB
:ALTUSER FIELD;PASS=
:HELLO MANAGER.SYS;HIPRI
```

If the TELESUP account exists (use the :LISTACCT command to find out), record and remove the passwords for the users MGR.TELESUP and FIELD.TELESUP, the group PUB in the TELESUP account, and the account TELESUP. Remove the passwords as follows:

```
:ALTACCT TELESUP;PASS=
:HELLO MGR/password.TELESUP
:ALTUSER MGR;PASS=
:ALTGROUP PUB;PASS=
:ALTUSER FIELD;PASS=
:HELLO MANAGER.SYS;HIPRI
```

If the HPOFFICE account exists (use the :LISTACCT command to find out), record and remove the passwords for the users MGR.HPOFFICE and SPOOLMAN.HPOFFICE, the groups PUB, MAILDB, HPTELEX, and TDPDATA, and the account HPOFFICE. Remove the passwords as follows:

```
:ALTACCT HPOFFICE;PASS=
:HELLO MGR/password.HPOFFICE,PUB
:ALTUSER MGR;PASS=
:ALTGROUP WP;PASS=
:ALTGROUP PUB;PASS=
:ALTGROUP MAILDB;PASS=
:ALTGROUP HPTELEX;PASS=
:ALTGROUP TDPDATA;PASS=
:ALTUSER SPOOLMAN;PASS=
:HELLO MANAGER.SYS;HIPRI
```

If the HPWORD account exists (use the :LISTACCT command to find out), record and remove the passwords for the user MGR.HPWORD, the group PUB, and the account HPWORD. Remove the passwords as follows:

```
:ALTACCT HPWORD;PASS=
:HELLO MGR/password.HPWORD
:ALTUSER MGR;PASS=
:ALTGROUP PUB;PASS=
:HELLO MANAGER.SYS;HIPRI
```

Record and remove passwords for the accounts HPPL85, HPPL87, HPPL89, and HPPL96 as follows:

```
:ALTACCT HPPL85;PASS=
:HELLO FIELD/password.HPPL85,PUB
:ALTUSER FIELD;PASS=
:ALTGROUP PUB;PASS=
:HELLO MANAGER.SYS;HIPRI
```

Do the same for HPPL87, HPPL89, and HPPL96 supplying the appropriate account each time.

Record and remove passwords for the ITF3000 account as follows:

```
:ALTACCT ITF3000;PASS=
:HELLO MANAGER/password.ITF3000,PUB
:ALTUSER MANAGER;PASS=
:ALTGROUP PUB;PASS=
:HELLO MANAGER.SYS;HIPRI
```

9. If the file COMMAND.PUB.SYS exists on the system then perform the following steps to display and disable UDCs. Otherwise, skip to Step 10. Record the file names given by the :SHOWCATALOG commands on number 2 of the Installation Worksheet:

```
:SHOWCATALOG
:SETCATALOG; SYSTEM
:SETCATALOG; ACCOUNT
:SETCATALOG

:HELLO OPERATOR.SYS;HIPRI
:SHOWCATALOG
:SETCATALOG
:HELLO MGR.HPOFFICE;HIPRI
:SHOWCATALOG
:SETCATALOG;ACCOUNT
:SETCATALOG

:HELLO FIELD.SUPPORT,PUB;HIPRI
:SHOWCATALOG
:SETCATALOG;ACCOUNT
:SETCATALOG

:HELLO MGR.TELESUP;HIPRI
:SHOWCATALOG
:SETCATALOG;ACCOUNT
:SETCATALOG

:HELLO FIELD.HPPL85;HIPRI
:SHOWCATALOG
:SETCATALOG;ACCOUNT
:SETCATALOG

:HELLO FIELD.HPPL87;HIPRI
:SHOWCATALOG
:SETCATALOG;ACCOUNT
:SETCATALOG

:HELLO FIELD.HPPL89;HIPRI
:SHOWCATALOG
:SETCATALOG;ACCOUNT
:SETCATALOG

:HELLO FIELD.HPPL96;HIPRI
:SHOWCATALOG
:SETCATALOG;ACCOUNT
:SETCATALOG
```

```
:HELLO MANAGER.ITF3000;HIPRI
:SHOWCATALOG
:SETCATALOG;ACCOUNT
:SETCATALOG
:HELLO MANAGER.SYS;HIPRI
```

10. If your system is currently on version G.01.0X of MPE V/E, rename the file SYSSTART.PUB.SYS if it exists on your system and record the new name on number 3 of the Installation Worksheet (otherwise, proceed to Step 11):

```
:RENAME SYSSTART, filename
```

11. Enter the following command to ensure that no spoolfiles are present:

```
:SHOWOUT SP
```

If spoolfiles are present, either allow them to complete printing, store them off to tape with the SPOOK utility (refer to the MPE V Utilities Reference Manual (32033-90008) for further information), or purge them with the :DELETESPOOLFILE command if they are unnecessary.

12. If you have data communications products on your system, disable them by entering the following commands:

```
:DSCONTROL ldev; SHUT
:MRJECONTROL SIGNOFF; hostid
:SNACONTROL STOP
:MPLINE ldev, SHUT, NOW
```

13. Print or store off any system log files in PUB.SYS, if necessary. Then purge them from the system.

14. To determine the system configuration, perform a :SYSDUMP $NULL exactly as shown in Appendix A. Refer to this appendix now; there will be instructions for you to follow as you proceed through the dialog.

15. Check your system's current configuration values, which you recorded on the Installation Worksheet, against the following values. They must be configured as described:

- The configured value for the "PRIMARY MESSAGE TABLE" must be no lower than one-half the number of entries in the "PCB" table and no higher than 1023. The configured value for the "SECONDARY MESSAGE TABLE" must be no lower than one-eighth the number of entries in the "PCB" table and no higher than 1023.

- For DISC CACHE/3000, the following values are required (depending on which MPE version you have on your system, SYSDUMP dialog prompts may vary, as shown):

```
DISC REQUEST TABLE = xxx     ** With G.00.00:  xxx must be >= 255 **
or
DISC REQUEST QUEUE = xxx     ** With G.01.0x:  xxx must be >= 255 **
        .
        .
        .
SWAP TABLE = xxx             ** xxx must be >= 5*PCB **
```

- For HPDRAW/3000, HPEASYCHART/3000, HPMap, or DSG/3000, the following values are required (depending on which MPE version you have on your system, SYSDUMP dialog prompts may vary, as shown):

```
MAX CODE SEG SIZE = xxxxx      ** With G.00.00:  xxxx must be >= 8192 **
or
MAX CODE SEGMENT SIZE = xxxxx ** With G.01.0x:  xxxx must be >= 8192 **
     •
     •
     •
MAX STACK SIZE = xxxxxx          ** xxxxx must be = 31232 **

MAX EXTRA DATA SEG SIZE = xxxxxx          ** With G.00.00:  xxxxx must
                                             be >= 32764 **
or
MAX EXTRA DATA SEGMENT SIZE = xxxxxx      ** With G.01.0x:  xxxxx must
                                             be >= 32764 **

MAX # OF EXTRA DATA SEGMENTS/PROCESS = xx     ** xx must be >= 30 **
```

**NOTE**

If you are going to use figure files with HPWORD or TDP then enter a value >= 63 for "MAX# OF EXTRA DATA SEGMENTS/PROCESS".

- For VISICALC/3000, the following value is required (depending on which MPE version you have on your system, SYSDUMP dialog prompts may vary, as shown):

```
MAX EXTRA DATA SEG SIZE = xxxxxx          ** With G.00.00:  xxxxx must
                                             be >= 32764 **
or
MAX EXTRA DATA SEGMENT SIZE = xxxxxx      ** With G.01.0x:  xxxxx must
                                             be >= 32764 **
```

- To complete the installation of HP FORTRAN 77/3000 (Product no. HP32116) the system must be configured with SYSDUMP as follows:

```
MAX CODE SEGMENT SIZE = xxxxxx       ** must be >= 16384 **
MAX # OF EXTRA DATA SEGMENTS/PROCESS = xx      ** must be >= 5 **
```

- To complete the installation of HP Business BASIC/3000 (Product no. HP32115) the system must be configured with SYSDUMP as follows:

```
MAX CODE SEGMENT SIZE = xxxxxx    ** must be = 16384 **
MAX # OF CODE SEGEMENTS/PROCESS = xx  ** must be = 63 **
MAX STACK SIZE = xxxxxx      ** must be = 31232 **
MAX EXTRA DATA SEGMENT SIZE = xxxxxx ** must be =32764 **
MAX # OF EXTRA DATA SEGMENTS/PROCESS = xx ** must be >= 3 **
```

If your configured values agree with the values specified here, skip Steps "a." through "l." below and proceed to Step 16.

If your configured values do not agree with the values specified here, perform a :SYSDUMP to produce a coldload tape, as follows:

a. If you have a cartridge tape drive, such as the HP 9144, ensure that the arrow points away from SAFE. Then insert the cartridge tape in the tape drive. The cartridge tape will automatically be placed online. Mount a scratch tape (with write enabled) on the tape drive that is used as the coldload device. Put the tape drive online.

b. Enter the following commands:

```
:FILE T;DEV=devclass
:FILE SYSDLIST;DEV=LP
:SYSDUMP *T
```

Refer to number 4 on the Installation Worksheet for the device class (*devclass*) of the coldload device.

c. Go through the dialog exactly as you did in Step 14 (refer to Appendix A once again); this time, however, change the configuration so that the appropriate values, as described earlier in this step, are assigned.

d. At the end of the dialog, after responding with a [RETURN] to "ENTER DUMP DATE?", one of two possible tape requests may appear on your System Console:

```
?time/job/pin/LDEV# FOR "T" ON devclass (NUM)?
```

or

```
?time/job/pin/LDEV# FOR "T" ON devclass (NUM),WRITE RING? (Y/N)
```

If you get a tape request, respond:

```
A^C
=REPLY pin,ldev      (use ,Y if responding to the second message)
```

Refer to number 4 on the Installation Worksheet for the LDEV # (*ldev*) of the coldload device.

e. After the "END OF SUBSYSTEM" message appears on the System Console, enter the following command to shut down the system:

```
A^C
=SHUTDOWN
```

The system will halt with a "Halt 15" message after"SHUT" appears on the System Console. If "SHUT" and "Halt 15" do not appear within 60 seconds, manually halt the system by entering B^C and HALT (if your system is a Series 37, then turn the keyswitch to "2", enter B^C, and return the keyswitch to "1").

f. Put the tape drive that contains the coldload tape online. If you have a cartridge tape drive, the tape will automatically be place online.

g. Enter LOAD on the System Console (or press the LOAD switch on the system control panel).

h. MPE will show the System ID, and then begin an interactive dialog:

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

i. If you are on version G.01.0X of MPE V/E, a warning message will be displayed, telling you not to enter B^C or turn off the keyswitch. Progress messages will gradually appear as well:

```
**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
```

If you are on any other version of MPE, nothing will be displayed for approximately five minutes.

j. If you are on a Series 37, you will see the following (if you are on a system other than a Series 37, skip to Step "k." below):

```
BANK 0 DEPENDENT MEMORY USED - xxxxx
day,date,time? (Y/N)
```

Answer Y to the date/time prompt if the date and time are correct. Answer N to the prompt if the date and time are incorrect, in which case you will be prompted for the correct date and time (respond to the time prompt with 24-hour time). If you fail to respond to the date/time prompt within 60 seconds, the system will assume that the current values are correct.

Now the system will be up and running, and will attempt to log on as OPERATOR.SYS; skip to Step "1." below.

k. If you are on a system other than a Series 37, the following will be displayed, prompting you for today's date and time:

```
BANK 0 DEPENDENT MEMORY USED - xxxxxx
DATE (M/D/Y)?mm/dd/yy
TIME (H:M)?hh:mm   ** 24-hour time **
```

You will be asked to confirm the date and time; reply Y. Now the system will be up and running, and will attempt to log on as OPERATOR.SYS.

l. Log back on as:

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

16. If your system is currently running MPE V/E or later (G.0X.0X), proceed to Step C, entitled "IF ON MPE V/E, SHUTDOWN THE SYSTEM".

**CAUTION**

If, while on MPE V/E (G.0X.0X), you perform Step B, entitled "PREPARE FOR AND PERFORM THE MPE V/E CONVERSION", you will be forced into a RELOAD situation.

## B. PREPARE FOR AND PERFORM THE MPE V/E CONVERSION

1. The program PCONVERT.PUB.SYS needs 14,000, 2,000, and 1,000 contiguous sectors on LDEV 1. Enter the following commands to ensure this space:

```
:BUILD TAKESPC1;DEV=1;DISC=14000,1,1
:BUILD TAKESPC2;DEV=1;DISC=2000,1,1
:BUILD TAKESPC3;DEV=1;DISC=1000,1,1
```

If any of these builds fail, run FREE2.PUB.SYS on each one to determine the amount of space that must be released. Then, try one of three possible options to free your disc space:

- First option (most recommended) - Purge files until you have enough free space.
- Second option - Use the :VINIT command with the >COND 1 option.
- Third 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.

Repeat the :BUILD command for each unsuccessful build until successful.

2. Enter the following commands to purge the dummy files:

```
:PURGE TAKESPC1
:PURGE TAKESPC2
:PURGE TAKESPC3
```

3. Enter the following command to shut down the system:

```
A^C
=SHUTDOWN
```

The system will halt with a "Halt 15" message after "SHUT" appears on the Console. If "SHUT" and "Halt 15" do not appear within 60 seconds, halt the system by entering B^C and HALT.

4. COOLSTART the system, as follows:

   a. Enter START on the Console (or press the START button on the system control panel).

   b. MPE will show the System ID and then begin an interactive dialog:

```
WHICH OPTION (WARMSTART/COOLSTART)?  COOLSTART
ANY CHANGES? N
```

   c. After approximately five minutes, the following messages will be displayed, prompting you for today's date and time:

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

   You will be asked to confirm the date and time; reply Y. Now the system will be up and running, and will attempt to log on as OPERATOR.SYS.

5. Log on and enter the following commands, as indicated:

```
:HELLO MANAGER.SYS,PUB;HIPRI
:LIMIT 1,1
```

6. Mount the FOS tape on the tape drive that is used as the coldload device. Put the tape drive online.

7. Enter the following commands:

```
:FILE T;DEV=devclass
:RESTORE *T;PCONVERT.PUB.SYS;SHOW
```

   Refer to number 4 on the Installation Worksheet for the device class (*devclass*) of the coldload device.

8. After the following tape request appears, respond:

```
?time/job/pin/LDEV# FOR "T" ON devclass (NUM)?
A^C
=REPLY pin,ldev
```

   Refer to number 4 on the Installation Worksheet for the LDEV # (*ldev*) of the coldload device.

9. When the restore is complete, enter the following to run PCONVERT, a conversion program that purges all of the MPE IV-, MPE V/P-based utilities as a part of its conversion process:

```
:RUN PCONVERT.PUB.SYS
```

10. After the system successfully verifies the running of PCONVERT, the prompt "OK TO PROCEED (Y/N)?" will appear; reply Y. The program will run for about five seconds and then it will halt the system.

**NOTE**

If a particular MPE IV-, MPE V/P-based utility (for example, FREE2) has been moved out of PUB.SYS, PCONVERT will not purge it, so it will still exist on your system when you update to version G.01.02 of MPE V/E. An attempt to run any MPE IV-, MPE V/P-based utility will cause anything from a system hang to a system failure. (For a discussion on utilities, refer to "MPE V/E Utilities" in the Communicator 3000 (5955-1770; Volume 2, Issue 1).)

11. You have successfully completed the MPE V/E conversion. Proceed to Step D, entitled "PERFORM THE UPDATE WITH THE FOS TAPE".

## C. IF ON MPE V/E, SHUTDOWN THE SYSTEM

1. The update needs 12,000 contiguous sectors on LDEV 1. Enter the following commands to ensure this space:

```
:BUILD TAKESPAC;DEV=1;DISC=12000,1,1
```

If this build fails, run FREE5.PUB.SYS to determine the amount of space that must be released. Then, try one of three possible options to free your disc space:

- First option (most recommended) - Purge files until you have enough free space.
- Second option - Use the :VINIT command with the >COND 1 option.
- Third 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.

Repeat the :BUILD command until successful.

2. Enter the following command to purge the dummy file:

```
:PURGE TAKESPAC
```

3. Enter the following command to shut down the system:

```
A^C
=SHUTDOWN
```

The system will halt with a "Halt 15" message after "SHUT" appears on the System Console. If "SHUT" and "Halt 15" do not appear within 60 seconds, manually halt the system by entering B^C and HALT (unless your system is a Series 37, in which case you would only need to enter B^C).

# D. PERFORM THE UPDATE WITH THE FOS TAPE

1. If you have not already done so, mount the FOS tape on the tape drive that is used as the coldload device. Put the tape drive online. If you have a cartridge tape drive, such as the HP 9144, ensure that the arrow points towards SAFE. Then, insert the cartridge tape in the tape drive. The cartridge tape will automatically be placed online.

2. Enter LOAD on the System Console (or press the LOAD switch on the system control panel).

3. MPE will show the System ID and then begin an interactive dialog:

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

4. Next, you will see:

```
SYSTEM DISC DRT = xx (MIN=8, MAX=511)?   ** On a Series 37 or 6X  **
```

or

```
SYSTEM DISC DRT = xx (MIN=8, MAX=127)?   ** On a Series 39 or 4X **
```

If the value indicated by *xx* is not the DRT # for LDEV 1 listed on number 4 of the Installation Worksheet, enter the correct value prior to proceeding; otherwise, press (RETURN) .

5. Continue:

```
ANY CHANGES? N
```

A warning message will be displayed, telling you not to enter B^C or turn off the key/power switch. Progress messages will gradually appear as well:

```
**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
```

6. If you are on a system other than a Series 37, proceed to Step 7. If you are on a Series 37, there are two possible outcomes:

   - The following should be displayed:

     ```
     BANK 0 DEPENDENT MEMORY USED - xxxxx
     day,date,time? (Y/N)
     ```

     Answer Y to the date/time prompt if the date and time are correct. Answer N to the prompt if the date and time are incorrect, in which case you will be prompted for the correct date and time (respond to the time prompt with 24-hour time). If you fail to respond to the date/time prompt within 60 seconds, the system will assume that the current values are correct.

     Now the system will be up and running, and will attempt to log on as MANAGER.SYS. Do not remove the FOS tape at this time. Proceed to Step E, entitled "RESTORE THE FILES FROM THE FOS TAPE".

   - If one of the following error messages appears, refer to Appendix H for recovery:

     ```
     ERROR #326  OUT OF DISC SPACE ON LDEV1
     ERROR #350  OUT OF MEMORY
     ERROR #351  OUT OF BANK 0
     ```

     If the update fails with any other error message, call your Response Center or local AEO.

7. If you are on a system other than a Series 37, there are two possible outcomes:

   - The following should be displayed, prompting you for today's date and time:

     ```
     BANK 0 DEPENDENT MEMORY USED - xxxxxx
     DATE (M/D/Y)?mm/dd/yy
     TIME (H:M)?hh:mm   ** 24-hour time **
     ```

     You will be asked to confirm the date and time; reply Y. Now the system will be up and running, and will attempt to log on as MANAGER.SYS.

   - If one of the following error messages appears, refer to Appendix H for recovery:

     ```
     ERROR #326  OUT OF DISC SPACE ON LDEV1
     ERROR #350  OUT OF MEMORY
     ERROR #351  OUT OF BANK 0
     ```

     If the update fails with any other error message, call your Response Center or local AEO.

# E. RESTORE THE FILES FROM THE FOS TAPE

1. When the system comes up after the UPDATE, the following message will be displayed on the System Console:

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

    :RUN AUTOINST.PUB.SYS
```

Before running AUTOINST refer to Step 4 of the Installation Worksheet. Refer to the item "Driver name and LDEV#...". If all driver names recorded there are IOMPLP0 then enter the following:

:OPENQ *ldev#*

Where *ldev#* is one of the logical device numbers recorded.

Enter the following command:

:RUN AUTOINST.PUB.SYS.

The AUTOINST program will set up the environment necessary for the installation, which requires 12,000 contiguous sectors on LDEV 1.

**NOTE**

As you proceed through the AUTOINST program, progress messages that indicate success or failure of various checkpoints will be displayed. If you encounter an AUTOINST error message, and if it is not documented in this manual (Appendix I), contact your Response Center or local AEO for assistance.

2. To restore the program/data files and the files needed to establish the accounting structure, mount the FOS tape on the tape drive. If you have a cartridge tape drive such as the HP 9144, ensure that the arrow is pointing away from 'SAFE'. Then, insert the cartridge tape in the tape drive. The tape will automatically be placed online.

3. The following message should appear on the console:

```
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.
```

First, AUTOINST will verify the file used to restore the program/data files from the FOS tape. This will take approximately fifteen minutes, during which time the tape drive will be inactive. Next, the restore will begin. This takes approximately ten minutes, during which time the tape drive will be active. The stated time frames are for the larger HP3000 machines. The time it takes for a cartridge tape drive to perform these steps will be longer.

4. The following message should appear on the console:

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

If error message " INSTERR #5" appears, AUTOINST will terminate. Refer to Appendix K for the appropriate action to follow.

5. The AUTOINST program will now create the accounting structure; various deferred jobs will begin logging on and off at this time. The entire process should take about fifteen minutes.

The following messages should appear while jobs are logging on and off:

*time/job/pin*/FROM/MGR.TELESUP/ SUCCESSFUL COMPLETION OF TELEACCT!

*time/job/pin*/FROM/FIELD.SUPPORT/SUCCESSFUL COMPLETION OF SUPACCT!

*time/job/pin*/FROM/FIELD.HPPL85/SUCCESSFUL COMPLETION OF PL85ACCT!

*time/job/pin*/FROM/FIELD.HPPL87/SUCCESSFUL COMPLETION OF PL87ACCT!

*time/job/pin*/FROM/FIELD.HPPL89/SUCCESSFUL COMPLETION OF PL89ACCT!

*time/job/pin*/FROM/FIELD.HPPL96/SUCCESSFUL COMPLETION OF PL96ACCT!

*time/job/pin*/FROM/MANAGER.ITF3000/SUCCESSFUL COMPLETION OF OFICACCT!

The message verifying the creation of the accounting structure should appear:

```
THE ACCOUNTING STRUCTURE HAS BEEN SUCCESSFULLY CREATED.
```

If this message appears, proceed to Step F, entitled "RESTORE THE PRODUCTS FROM THE SUBSYS TAPE".

If the creation of the accounting structure was not successful, this message will be displayed:

```
CREATION OF THE ACCOUNTING STRUCTURE HAS
FAILED.  TO CONTINUE WITH THE INSTALLATION,
CONSULT THE CUSTOMER INSTALLATION PROCEDURES. (INSTERR #4)
```

Proceed to Appendix K for the appropriate action to take.

# F. RESTORE THE PRODUCTS FROM THE SUBSYS TAPE

1. The following message should be displayed on your console:

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

Depending upon your response, AUTOINST will follow different steps, outlined below:

If N, then proceed to step H, entitled "CREATE THE CE DIAGNOSTICS TAPE".

If Y, then the following messages will be displayed on the console:

```
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.
```

2. Mount the SUBSYS tape on the tape drive. If you have a cartridge tape drive, ensure that the arrow points away from SAFE. Insert the cartridge tape in the tape drive. The cartridge tape will automatically be placed online.

When the restore is complete, the following message should appear:

```
THE SUBSYS TAPE HAS BEEN SUCCESSFULLY RESTORED.
```

or

```
THE SUBSYS TAPE HAS NOT BEEN SUCCESSFULLY RESTORED.
TO CONTINUE WITH THE INSTALLATION, CONSULT THE
CUSTOMER INSTALLATION PROCEDURES. (INSTERR #6)
```

If error message "INSTERR # 6" appears, refer to Appendix K for the appropriate action to take.

3. Depending on whether or not AUTOINST can install all the products on the SUBSYS tape, the following warning message may appear:

```
*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)

    product name
    product name
    product name
    •
    •
    •

DO YOU WANT TO INSTALL THESE PRODUCTS NOW AND CONTINUE
WITH AUTOINST AFTER INSTALLING THESE PRODUCTS (Y/N)?
>>
```

If this message does not appear, proceed to Step G, entitled "BEFORE CREATING THE CE DIAGNOSTICS TAPE".

If you answer N to the above question, proceed to Step G, entitled "BEFORE CREATING THE CE DIAGNOSTICS TAPE".

If you answer Y to the above question, AUTOINST will check your system for data communtication products. If you have any of the listed products, the following message will appear:

```
*WARNING -- THE FOLLOWING DATA COMMUNICATION PRODUCTS MAY
REQUIRE I/O CONFIGURATION CHANGES.  HOWEVER, THIS WILL
NOT AFFECT THE SOFTWARE INSTALLATION FOR THESE PRODUCTS.
THE I/O CONFIGURATION CHANGES MAY BE DONE AT THIS TIME
OR AFTER COMPLETION OF THE INSTALLATION. (INSTWARN # 11)

    product name
    product name
    product name
    •
    •
    •
```

For the optional warning message "INSTWARN # 11", it is not advised to make the the I/O configuration changes at this time. Instead, list the data communication products on number 5 of the Installation Worksheet; at the end of the installation, you will be reminded to make the I/O configuration changes by performing a COOLSTART.

4. You are now ready to install/update any of the products in Table 2-1 that have appeared in warning messages "INSTWARN # 1" or "INSTWARN # 11". Refer to the appropriate appendix(es) listed in Table 2-1.

Table 2-1. Product Reference List

| Product Name | Product Number | Appendix |
|---|---|---|
| HPSPELL/3000 (American) | HP 36561 | C |
| HPSPELL/3000 (American/British) | HP 36562 | C |
| HPWORD/3000 | HP 32120 | C |
| TDP/3000 | HP 36578 | C |
| HPMENU/3000 | HP 32112 | C |
| HPTELEX/3000 | HP 36572 | C |
| HPDESKMANAGER/3000 | HP 36570 | C |
| DSN/X.25/3000 Data Base | HP 32185<br>HP 32187 | D |
| NRJE/3000 Configuration File | HP 30245 | E |
| SPEECH LIBRARY/3000 | HP 27205 | F |

5. When you are finished installing these products, enter

   :RUN AUTOINST.PUB.SYS again.

   to resume the execution of AUTOINST.

   Proceed to Step 2 of "G. BEFORE CREATING THE CE DIAGNOSTICS TAPE".

# G. BEFORE CREATING THE CE DIAGNOSTICS TAPE

1. Depending on whether or not you have any data communication products that require I/O configuration changes, the warning message "INSTWARN # 10" may appear:

```
*WARNING -- THE FOLLOWING DATA COMMUNICATION PRODUCTS MAY
REQUIRE I/O CONFIGURATION CHANGES.  HOWEVER, THIS WILL
NOT AFFECT THE SOFTWARE INSTALLATION FOR THESE PRODUCTS.
THE I/O CONFIGURATION CHANGES MAY BE DONE AFTER COMPLE-
TION OF THE INSTALLATION. (INSTWARN # 10)

    product name
    product name
    product name
    •
    •
    •
```

For the optional warning message "INSTWARN # 10", list the data communication products on number 5 of the Installation Worksheet. At the end of the installation, you will be reminded to make the I/O configuration changes by performing a COOLSTART.

2. If a user file named FILELIST.PUB.SYS exists, and has a lockword, the following message will appear:

```
LOCKWORD: FILELIST.PUB.SYS?
```

If you do not need to keep the file, enter the lockword. AUTOINST will then purge the file. Otherwise, enter (RETURN), at which time you will see:

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

If error message "INSTERR # 7" appears, AUTOINST will terminate. Refer to Appendix K for the appropriate action to take.

3. The following message may appear on the System Console, depending on whether or not your tape drive can be used with variable density tapes. If this message appears, answer Y or N:

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

For the optional message (above): If your response is N, then an additional question will be printed, at which time you should enter the tape density:

```
TAPE DENSITY = (800, 1600)?   ** On an HP 7974A tape drive **
>>
```

or

```
TAPE DENSITY = (1600, 6250)?  ** On an HP 7976A or 7978A tape drive **
>>
```

Now the following message will appear:

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

## H. CREATE THE CE DIAGNOSTICS TAPE

1. If you have a cartridge tape drive, such as the HP 9144, ensure that the arrow points away from SAFE. Then, insert the cartridge tape in the tape drive. The cartridge tape will automatically be placed online. Mount a scratch tape (with write enabled) on the tape drive that is used as the coldload device. Put the tape drive online to create the CE diagnostics tape.

2. If successful, the following messages will appear. Follow the instructions in the first message and then proceed to Step I, entitled "CREATE THE COLDLOAD TAPE".

```
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.

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

If unsuccessful, the following messages will appear, but AUTOINST will not terminate:

```
THE CE DIAGNOSTICS TAPE WAS NOT SUCCESSFULLY CREATED.
HOWEVER, THIS WILL NOT AFFECT THE INSTALLATION.
AFTER COMPLETING THE INSTALLATION, CONSULT THE
CUSTOMER INSTALLATION PROCEDURES TO CREATE A NEW
DIAGNOSTICS TAPE. (INSTWARN # 2)

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

For the unsuccessful message (above): You will be reminded in Step J, entitled "IF NECESSARY, CREATE DIAGNOSTICS", to create a new diagnostics tape. Proceed to Step I.

# I. CREATE THE COLDLOAD TAPE

1. If you have a cartridge tape drive, such as the HP 9144, ensure that the arrow points away from SAFE. Then, insert the cartridge tape in the tape drive. The cartridge tape will automatically be placed online. Mount another scratch tape (with write enabled) on the tape drive that is used as the coldload device. Put the tape drive online to create the coldload tape.

   This phase of the installation creates and streams a job, which performs a :SYSDUMP to incorporate the SL segments and system programs on the SUBSYS tape into the operating system. Progress messages will appear, indicating the percentage of the store operation that is complete.

2. The following message should appear on the System Console; follow its instructions:

```
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.
```

   If you are on a Series 37, you should then see:

```
THE SYSTEM MUST NOW BE SHUTDOWN TO COMPLETE THE
INSTALLATION:  ENTER A CONTROL-A SHUTDOWN (=SHUTDOWN).
NEXT, MOUNT THE COLD LOAD TAPE AND PUT THE TAPE DRIVE
ONLINE AND ENTER CONTROL-B COLD (>COLD).
```

   Otherwise, on a system other than a Series 37, you should see:

```
THE SYSTEM MUST NOW BE SHUTDOWN TO COMPLETE THE
INSTALLATION.  ENTER CONTROL-A SHUTDOWN (=SHUTDOWN).
NEXT, MOUNT THE COLD LOAD TAPE AND PUT THE TAPE DRIVE
ONLINE AND ENTER LOAD (COLDSTART).
```

   If error message "INSTERR # 8" appears, AUTOINST will terminate. Refer to Appendix K for the appropriate action to follow.

3. Enter the following command to shut down the system:

```
A^C
=SHUTDOWN
```

   The system will halt with a "Halt 15" message after "SHUT" appears on the System Console. If "SHUT" and "Halt 15" do not appear within 60 seconds, manually halt the system by entering B^C and HALT (unless your system is a Series 37, in which case you would only need to enter B^C).

4. Put the tape drive that contains the newly created coldload tape online.

5. If you are on a system other than a Series 37, proceed to Step 8. If you are on a Series 37, enter COLD on the System Console.

6. MPE will show the system ID, and then a warning message will be displayed, telling you not to enter B^C or turn off the key/power switch. Progress messages will gradually appear as well:

```
** PERFORMING A COLDSTART **

**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
```

7. The following will then be displayed:

```
BANK 0 DEPENDENT MEMORY USED - xxxxx
day,date,time? (Y/N)
```

Answer Y to the date/time prompt if the date and time are correct. Answer N to the prompt if the date and time are incorrect, in which case you will be prompted for the correct date and time (respond to the time prompt with 24-hour time). If you fail to respond to the date/time prompt within 60 seconds, the system will assume that the current values are correct.

Now the system will be up and running, and will attempt to log on as OPERATOR.SYS; proceed to Step J, entitled "IF NECESSARY, CREATE DIAGNOSTICS".

8. If you are on a system other than a Series 37, enter LOAD on the System Console (or press the LOAD button on the system control panel). MPE will show the System ID, and then begin an interactive dialog:

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

9. A warning message will then be displayed, telling you not to enter B^C or turn off the key/power switch. Progress messages will gradually appear as well:

```
**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
```

10. The following will be displayed, prompting you for today's date and time.

```
BANK 0 DEPENDENT MEMORY USED - xxxxxx
DATE (M/D/Y)?mm/dd/yy
TIME (H:M)?hh:mm   ** 24-hour time **
```

You will be asked to confirm the date and time; reply Y. Now the system will be up and running, and will attempt to log on as OPERATOR.SYS.

## J. IF NECESSARY, CREATE DIAGNOSTICS

If you received the following message during Step H, entitled "CREATE THE CE DIAGNOSTICS TAPE", create the diagnostics tape now:

```
THE CE DIAGNOSTICS TAPE WAS NOT SUCCESSFULLY CREATED.
HOWEVER, THIS WILL NOT AFFECT THE INSTALLATION.
AFTER COMPLETING THE INSTALLATION, CONSULT THE
CUSTOMER INSTALLATION PROCEDURES TO CREATE A NEW
DIAGNOSTICS TAPE.  (INSTWARN # 2)
```

Enter the following command to do so:

```
:RUN COPYDUS.HP32231.SUPPORT
```

If you are on a Series 64 or 68, refer to Appendix G for instructions on creating a FLD floppy disc and stand-alone diagnostics tape.

## K. INSTALLATION OF PROFESSIONAL PRODUCTIVITY CENTER

1. Refer to Appendix I to install HPACCESS CENTRAL.

2. Refer to Appendix J to install PRINT CENTRAL.

# L. RETURN THE SYSTEM TO ITS ORIGINAL STATE

Perform the following steps:

1. Enter :SHOWME to ensure that you are logged on as MANAGER.SYS. If you are not, log back on as follows:

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

2. The group CREATOR.SYS contains files for Hewlett-Packard use only. It should be purged at this time, as follows:

```
:PURGEGROUP CREATOR
```

3. Replace your passwords to protect your system. (Refer to number 1 of the Installation Worksheet for the passwords that were removed earlier.) For example:

```
:ALTUSER MANAGER;PASS=password
:ALTUSER OPERATOR;PASS=password
:ALTACCT SYS;PASS=password
```

If applicable, replace the passwords for the user FIELD.SUPPORT and the account SUPPORT:

```
:ALTACCT SUPPORT;PASS=password
:HELLO FIELD.SUPPORT/password,PUB
:ALTUSER FIELD;PASS=password
:HELLO MANAGER/password.SYS/password;HIPRI
```

If applicable, replace the passwords for the users FIELD.TELESUP and MGR.TELESUP, the group PUB in the TELESUP account, and the account TELESUP:

```
:ALTACCT TELESUP;PASS=password
:HELLO MGR.TELESUP/password
:ALTUSER MGR;PASS=password
:ALTGROUP PUB;PASS=password
:ALTUSER FIELD;PASS=password
:HELLO MANAGER/password.SYS/password;HIPRI
```

If applicable, replace the passwords for the users MGR.HPOFFICE and SPOOLMAN.HPOFFICE, the groups PUB, MAILDB, HPTELEX, TDPDATA, and the account HPOFFICE:

```
:ALTACCT HPOFFICE;PASS=password
:HELLO MGR.HPOFFICE/password
:ALTUSER MGR;PASS=password
:ALTGROUP PUB;PASS=password
:ALTGROUP MAILDB;PASS=password
:ALTGROUP HPTELEX;PASS=password
:ALTGROUP TDPDATA;PASS=password
:ALTGROUP WP;PASS=password
:ALTUSER SPOOLMAN;PASS=password
:HELLO MANAGER/password.SYS/password;HIPRI
```

4. Enable any UDCs that were disabled earlier. (Refer to number 2 of the Installation Worksheet for a list of these UDCs):

```
:SETCATALOG udcfile;SYSTEM
:SETCATALOG udcfile;ACCOUNT
:SETCATALOG udcfile

:HELLO OPERATOR/password.SYS/password;HIPRI
:SETCATALOG udcfile
:HELLO MGR.HPOFFICE
:SETCATALOG UDCFILE;ACCOUNT
```

5. If applicable, rename the file recorded on number 3 of the Installation Worksheet back to SYSSTART.PUB.SYS, as follows (otherwise, proceed to Step 6):

```
:HELLO MANAGER/password.SYS/password;HIPRI
:RENAME filename, SYSSTART
:HELLO OPERATOR/password.SYS/password;HIPRI
```

6. Restore any user files and re-enter any modifications to the system, as follows:

   - If the user file FILELIST was renamed during the installation, rename this file back to FILELIST with the :RENAME command.
   - If any modifications had been made to the old CATALOG.PUB.SYS file, re-enter the modifications in the new one.
   - If any user SL segments resided in SL.PUB.SYS before the installation, replace them. A new coldload tape should also be made at this time.

7. Perform the necessary startup procedures, as indicated:

```
:LIMIT numberjobs, numbersessions
:STREAMS ldev
:DSCONTROL ldev;OPEN
:MRJECONTROL SIGNON
:MPLINE ldev,OPEN
:SNACONTROL START
:ALLOCATE filename
```

8. Record the installation in the System Support Log (Gold Book), under the System History Log.

9. If necessary, have your HP Software Engineer finish the installation by performing the following tasks:

   - Install the subsystems that we advise that you not install.
   - Configure the data communication products that require I/O configuration changes by performing a COOLSTART. Check number 5 of the Installation Worksheet for a list of the products that require these changes.

**NOTE**

If additional I/O configuration changes are made after the installation is complete, you will need to create another coldload tape to save the changes.

10. To safeguard the security of the system, please destroy the Installation Worksheet after the installation is complete.

# SAMPLE SYSDUMP DIALOG

APPENDIX
A

Follow the sample SYSDUMP dialog, recording the specified information on the Installation Worksheet, Appendix J. The comment lines, below, will inform you what to record. (To bypass a prompt, press RETURN.)

**NOTE**

The SYSDUMP dialog illustrated below represents version G.00.00 of MPE V/E. Depending on which version of MPE you currently are running, the prompts that appear on your console screen might differ slightly from those in this appendix. Also, you might see prompts that are not documented here, in which case you should press RETURN.

```
:SYSDUMP $NULL

ANY CHANGES? Y
SYSTEM ID = HP32033G.00.00.?
MEMORY SIZE = 3072.?
I/O CONFIGURATION CHANGES? Y
LIST I/O DEVICES? Y
       •
       •              ** Refer to Appendix B for sample I/O configuration **
       •
LIST CS DEVICES?      ** Appears only if datacomm products configured **
HIGHEST DRT = 327.?
LOGICAL DEVICE #?
MAX # OF OPEN SPOOLFILES = 50.?
LIST I/O DEVICES?
LIST CS DEVICES?            ** Appears only if datacomm products configured **
TERMINAL TYPE CHANGES?
CLASS CHANGES?
LIST I/O DEVICES?
ADDITIONAL DRIVER CHANGES?  ** Appears only if datacomm products configured **
I/O CONFIGURATION CHANGES?
SYSTEM TABLE CHANGES? Y
CST = 192.?
EXTENDED CST = 1024.?
DST = 768.?
PCB = 256.?                       ** Record on number 4 of the worksheet **
I/O QUEUE = 128.?
DISC REQUEST TABLE = 255.?        ** Record on number 4 of the worksheet **
TERMINAL BUFFERS PER PORT = 3.?
SYSTEM BUFFERS = 64.?
SWAP TABLE = 1024.?               ** Record on number 4 of the worksheet **
PRIMARY MESSAGE TABLE = 128.?     ** Record on number 4 of the worksheet **
SECONDARY MESSAGE TABLE = 25.?    ** Record on number 4 of the worksheet **
```

```
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 = 64.?
MAX CODE SEG SIZE = 16384.?        ** Record on number 4 of the worksheet **
MAX # OF CODE SEGMENTS/PROCESS = 63.?
MAX STACK SIZE = 31232.?           ** Record on number 4 of the worksheet **
MAX EXTRA DATA SEG SIZE = 32767.?  ** Record on number 4 of the worksheet **
MAX # OF EXTRA DATA SEGMENTS/PROCESS = 255.?  ** Record on number 4 **
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)
```

Return to Section II and continue from where you left off.

# SAMPLE I/O CONFIGURATION

APPENDIX
B

Answering Y to "LIST I/O DEVICES" will give you a configuration listing similar to the one listed here:

| LOG DEV # | DRT # | UNIT | CHAN | TYPE | SUB TYPE | TERMINAL TYPE | TERMINAL SPEED | REC WIDTH | OUTPUT DEV | MODE | DRIVER NAME | DEVICE CLASSES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *1 | 25 | 0 | 0 | 0 | 9 | | | 128 | 0 | | HIOMDSC1 | DISC<br>SYSDISC<br>SPOOL |
| 6 | 33 | 0 | 0 | 32 | 4 | | | 66 | 0 | S | HIOLPRT0 | LP<br>LP2608 |
| 7 | 17 | 0 | 0 | 24 | 0 | | | 128 | 0 | | HIOTAPE0 | TAPE<br>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<br>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 |

* LDEV 1 is always the system disc.
** JOBTAPE may not always be LDEV 10.

Record the following information under number 4 on the Installation Worksheet for later use during the installation:

- The DRT # for LDEV 1.
- The device class for the cold load device (such as TAPE or SDISC).
- The LDEV # for the cold load device, which is usually LDEV 7.
- The LDEV # for the streams device. The class name is usually JOBTAPE and the LDEV # is usually 10. If you don't see the JOBTAPE class name, look for a tape class whose output device is LP and whose mode is JA.
- Locate the OUTPUT DEV of the streams device. Record the DRIVER NAME and LDEV # of any device using this as a DEVICE CLASS.

Return to Appendix A and proceed through the dialog.

# INSTALL/UPDATE HPOFFICE

APPENDIX C

Before starting a new installation or update of any HPOFFICE account product, read the appropriate sections in this appendix. If there is a problem with any of the installations, check the line printer listings for a possible solution.

You should not attempt to install/update the HPWORD/3000, HPTELEX/3000, or HPDESKMANAGER/3000 products without consulting your HP Software Engineer.

Table C-1 shows a list of products and their associated accounting structures. Before installing/updating any product, remove the passwords from the account, group, and user, as appropriate to your system; record them on the Installation Worksheet, Appendix K.

Table C-1. Product Accounting Structures

| PRODUCT | ACCOUNT | GROUP | USER |
|---|---|---|---|
| HPSPELL/3000 | HPOFFICE | PUB | MGR |
| HPWORD/3000 | HPOFFICE | PUB | MGR |
| | | WP | WP |
| | HPWORD | PUB | MGR |
| TDP/3000 | HPOFFICE | PUB | MGR |
| | | TDPDATA | SPOOLMAN |
| | SYS | DOCUMENT | MANAGER |
| HPDESKMANAGER/3000 | HPOFFICE | PUB | MGR |
| | | HPMAIL | MAILMAN |
| | | | MAILROOM |
| | | MAILLIB | |
| | | MAILDB | |
| | | MAILJOB | |
| | SYS | HPMAIL | |
| HPMENU/3000 | HPOFFICE | PUB | MGR |
| | | HPMENU | |
| HPTELEX/3000 | HPOFFICE | HPTELEX | MGR |
| | SYS | HPTELEX | |

# INSTALL OR UPDATE HPSPELL/3000

The files necessary to install or update HPSPELL/3000 are present in the groups HP36561A.HPPL85 (American version) and HP36562A.HPPL85 (American/British version).

Perform the following steps:

1. Enter :SHOWME to ensure that you are logged on as MANAGER.SYS. If you are not, log back on as follows:

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

2. Depending on the version of HPSPELL/3000 you have purchased, perform Step "a" or "b" below:

   **NOTE**

   If both the American and American/British versions are contained on the SUBSYS tape then perform only step b.

   a. If you purchased HP36561A.HPPL85 (American version), enter the following command:

      ```
      :STREAM INSPELL1.HP36561A.HPPL85
      ```

   b. If you purchased HP36562A.HPPL85 (American/British version), enter the following command:

      ```
      :STREAM INSPELL1.HP36562A.HPPL85
      ```

3. If no more HPOFFICE product installations are to be performed, restore the password(s) to the HPOFFICE account. (Refer to of the Installation Worksheet for the password(s) removed earlier.)

   Return to Table 2-1 in Section II for the next subsystem to install.

# INSTALL OR UPDATE HPWORD/3000

The installation of HPWORD/3000 may be complex. For this reason, if you have never installed or updated this subsystem, it is highly recommended that you contact your HP Software Engineer for assistance.

A Self-Paced Training Facility is included with HPWORD/3000. It is automatically installed as part of the overall installation.

The files necessary to install or update HPWORD/3000 are present in the group HP32120.HPPL85.

**NOTE**

The install file for HPWORD/3000 will potentially destroy existing files in the WP.HPOFFICE group. You can retrieve these files after performing the installation from your backup tapes if you need them.

Perform the following steps:

1. Enter :SHOWME to ensure that you are logged on as MANAGER.SYS. If you are not, log back on as follows:

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

2. Print a hard copy of the file GUWORD1.HP32120.HPPL85. Read this document thoroughly for installation details, which discuss software/configuration requirements, hardware dependencies, and setting up training accounts for the Self-Paced Training Facility.

3. Enter the following command; the job stream will install/update HPWORD/3000 with American English as the default language interface:

   ```
   :STREAM INWORD1.HP32120.HPPL85
   ```

4. If applicable, change the default language interface to British English, as follows:

   ```
   :STREAM INWORD2.HP32120.HPPL85
   ```

5. To verify the success of the HPWORD/3000 installation, enter the command:

   ```
   :RUN HPWORD.PUB.SYS,WORDUTIL
   ```

   Check the line printer listing or the output on your terminal to see if HPWORD/3000 (version A.05.01) has been successfully installed.

6. If no more HPOFFICE product installations are to be performed, restore the password(s) to the HPOFFICE account. (Refer to the Installation Worksheet for the password(s) removed earlier.)

   Return to Table 2-1 in Section II for the next subsystem to install.

# INSTALL OR UPDATE TDP/3000

The files necessary to install or update TDP/3000 are present in the group HP36578.HPPL85 .

**NOTE**

The TDP/3000 install job will purge files in PUB.SYS from previous versions that are not needed by the new version of TDP/3000. You can retrieve these files from your backup tapes if you need them.

Perform the following steps:

1. Enter :SHOWME to ensure that you are logged on as MANAGER.SYS. If you are not, log back on as follows:

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

2. Enter the following:

   ```
   :STREAM INTDP1.HP36578.HPPL85
   ```

3. If the installation was successful, the install file will terminate with the following message:

   ```
   ** TDP/3000 (HP36578A.04.00) IS INSTALLED. **
   ```

4. If no more HPOFFICE product installations are to be performed, restore the password(s) to the HPOFFICE account. (Refer to number 1 of the Installation Worksheet for the password(s) removed earlier.)

   Return to Table 2-1 in Section II for the next subsystem to install.

## INSTALL OR UPDATE HPMENU/3000

The files necessary to install or update HPMENU/3000 are present in the group HP32112.HPPL85.

Perform the following steps:

1. Enter :SHOWME to ensure that you are logged on as MANAGER.SYS. If you are not, log back on as follows:

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

2. Enter the following command:

   ```
   :STREAM I01I112A.HP32112.HPPL85
   ```

3. If the installation was successful, the install file will terminate with the following message:

   ```
   HPMENU/3000 (HP32112A.02.00) IS INSTALLED
   ```

4. If no more HPOFFICE product installations are to be performed, restore the password(s) to the HPOFFICE account. (Refer to the Installation Worksheet for the password(s) removed earlier.)

   Return to Table 2-1 in Section II for the next subsystem to install.

## INSTALL OR UPDATE HPTELEX/3000

The installation of HPTELEX/3000 may be complex. For this reason, if you have never installed this subsystem, it is highly recommended that you contact your HP Software Engineer for assistance.

The files necessary to install or update HPTELEX/3000 are present in the group HP36572.HPPL85.

Perform the following steps:

1. If you are installing HPTELEX/3000 on your system for the first time, print a hard copy of the file GUTELEX1.HP36572.HPPL85. Read this document thoroughly for installation details.

2. Logon as follows:

   ```
   :HELLO FIELD.HPPL85,HP36572
   ```

3. Enter the following command:

   ```
   :STREAM INTELEX1.HP36572.HPPL85
   ```

   If updating HPTELEX/3000 from version A.02.00, a tape will be requested for the database to be unloaded and loaded.

   When this job is finished, check the line printer listing to see if HPTELEX/3000 has been successfully installed.

4. Logon again, as follows:

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

5. If no more HPOFFICE product installations are to be performed, restore the password(s) to the HPOFFICE account. (Refer to the Installation Worksheet for the password(s) removed earlier.)

   Return to Table 2-1 in Section II for the next subsystem to install.

## INSTALL OR UPDATE HPDESKMANAGER/3000

The installation of HPDESKMANAGER/3000 may be quite lengthy and complex. For this reason, if you have never installed or updated this subsystem, it is highly recommended that you contact your HP Software Engineer for assistance. Your Software Engineer will also help you carefully plan the data base configuration, including the set up of initial users, computers, and routes.

Perform the following steps:

1. Print a hard copy of the file GUDESK1.HP36570.HPPL85. Read this document thoroughly for installation details.

2. Log onto the system as follows:

```
:HELLO MGR.HPOFFICE,MAILDB
```

3. Enter the following command to run the HPDESKMANAGER/3000 installation program:

```
:RUN INSTALL.HPMAIL.SYS;LIB=G
```

   This program will ask for new passwords if the database passwords were altered from the defaults. If the passwords were not changed, the first request seen will be for the required date format. Next, it will stream the job INDESK1.HP36570.HPPL85, allow this job to complete.

4. If updating HPDESKMANAGER/3000 from versions A.00.*xx* or A.01.*xx*, then follow the instructions for the job INDESK1. This job will ask for two tapes onto which the current data bases will be unloaded (first LOCAL.MAILDB.HPOFFICE and then GLOBAL.MAILDB.HPOFFICE).

   If updating HPDESKMANAGER/3000 from version A.02.*xx*, then allow a second job, INDESK2, to complete. Once completed, proceed to Step 7.

5. Create/expand the data bases by running the HPDESKMANAGER/3000 configurator program, as follows:

```
:RUN CONFIG.HPMAIL.SYS;LIB=G
```

If this is the first time HPDESKMANAGER/3000 has been installed, then the data bases must now be created, as described by the file GUDESK1.

If updating HPDESKMANAGER/3000 from versions A.00.*xx* or A.01.*xx*, then the data bases must be expanded, as described by the file GUDESK1.

6. Enter the following command to stream the second installation job:

```
:STREAM INDESK2.HP36570.HPPL85
```

If updating HPDESKMANAGER/3000 from versions A.00.*xx* or A.01.*xx*, then the job will reload the data bases, this time in reverse order: first GLOBAL.MAILDB.HPOFFICE and then LOCAL.MAILDB.HPOFFICE.

7. Log on again, as follows:

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

8. Purge the file INSTALL.HPMAIL.SYS, as follows:

```
:PURGE INSTALL.HPMAIL.SYS
```

9. When finished with the installation/update of HPDESKMANAGER/3000, restore the password(s) to the HPOFFICE account. (Refer to the Installation Worksheet for the password(s) removed earlier.)

Return to Table 2-1 in Section II for the next subsystem to install.

# INSTALL/UPDATE THE DATA BASE FOR DSN/X.25/3000

APPENDIX D

X.25/3000 requires the existence of a network configurator database. Since the format of this database has been changed, it may need to be recreated. The way to check if a network configurator database exists, and its version, is as follows:

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

If a set of files appears (NETCON, NETCON01, NETCON02, etc), the database exists. Check the EOF information, as defined below, to see if the database is "old" or "new":

| FILE NAME | EOF FOR OLD VERSION | EOF FOR NEW VERSION |
|---|---|---|
| NETCON | 5 | 6 |
| NETCON04 | 137 | 187 |
| NETCON05 | 16 | 85 |

If no database exists, or if an "old" database is present, then perform the following steps:

1. Enter :SHOWME to ensure that you are logged on as MANAGER.SYS. If you are not, log back on as follows:

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

2. If you are replacing an "old" database, enter the following commands (otherwise, proceed to Step 3):

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

3. Enter the following commands:

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

**NOTE**

The NETCON*nn* files created are system dependent. They should not be transferred to another system as part of an installation.

Return to Table 2-1 in Section II for the next subsystem to install.

# INSTALL THE CONFIGURATION FILE FOR NRJE/3000

APPENDIX E

To run NRJE/3000, the NMCONFIG.PUB.SYS configuration file must be installed from a sample configuration file (which may be customized). Perform the following to install NMCONFIG.PUB.SYS:

1. Enter :SHOWME to ensure that you are logged on as MANAGER.SYS. If you are not, log back on as follows:

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

2. Copy and rename the following file into PUB.SYS, as follows:

```
:FCOPY FROM=Z99Z246A.HP30246.HPPL87;TO=NMCONFIG.PUB.SYS;NEW
```

**NOTE**

Included as part of the NRJE/3000 product, the sample configuration file Z99Z246A.HP30246.HPPL87 contains a default configuration that may be customized by running NMMGR.PUB.SYS. Refer to the SNA Link Node Management Reference Manual (30246-90001) for configuration details.

Return to Table 2-1 in Section II for the next subsystem to install.

# INSTALL/UPDATE SPEECH LIBRARY

APPENDIX F

The files necessary to install SPEECH LIBRARY/3000 are present in the group HP27205.SUPPORT. Perform the following steps:

1. Enter :SHOWME to ensure that you are logged on as MANAGER.SYS. If you are not, log back on as follows:

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

2. If SPEECH LIBRARY/3000 already exists on your system then it will be necessary to purge the database VXROOT.

   **NOTE**

   If you have customized the SPEECH LIBRARY/3000 database with additional words then these words must be re-inserted after the installation of SPEECH LIBRARY/3000 is complete.

   To purge the database VXROOT enter the following:

   ```
   :RUN DBUTIL.PUB.SYS,PURGE
   ```

   The following will be displayed (type in VXROOT as shown):

   ```
   Data base name:VXROOT
   Data base has been PURGED.
   ```

3. Enter the following command:

   ```
   :STREAM I00I205A.HP27205.SUPPORT
   ```

4. The installation job will take at least 25 minutes. If successful, it will terminate with the following message:

   ```
   SPEECH LIBRARY/3000 IS INSTALLED
   ```

5. To find out more about the installation procedures, specifically on proper installation testing, read the contents of G00G205A.HP27205.SUPPORT.

6. Purge the group HP27205.SUPPORT by entering the following commands:

   ```
   :HELLO FIELD.SUPPORT,PUB
   :PURGEGROUP HP27205
   ```

7. Log back on as System Manager, as follows:

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

8. You are now finished installing the products in Table 2-1. Proceed to Step 5 of "F. RESTORE THE PRODUCTS FROM THE SUBSYS TAPE" in Section II.

# CREATE 64/68 DIAGNOSTICS

APPENDIX G

Creating diagnostics on a Series 64/68 requires that you produce Fault Locating Diagnostics (FLD) and Stand-Alone Diagnostics.

## FAULT LOCATING DIAGNOSTICS

To run the FLD utility program, FLDCOPY, you must have a 5 1/4 inch floppy disc with the appropriate floppy disc unit configured on your Series 64/68. The old FLDCOPY floppy disc may be reused.

## FORMAT A DISC FOR FAULT LOCATING DIAGNOSTICS

Your floppy disc must be preformatted to run FLDCOPY. If your disc has been formatted, skip this step and proceed to the next step, entitled "STORE THE FAULT LOCATING DIAGNOSTICS". If the disc has not been formatted, or if you are unsure about this, make certain that it is not write-protected and insert it into the unit (label facing up, toward the unit's outer end). Next, close the door; the red light on the floppy unit will blink on and off for a moment. Now, follow the procedures listed below:

1. Press the COMMAND key on the System Console keyboard.

2. Press the softkeys in the designated order: [f8] [f1] [f3] . The following message will appear:

```
* FORMAT VOLUME ON DISC#
```

3. Enter 1, then press [RETURN].

4. Depending on whether or not your disc is preformatted, follow the instructions in "a." or "b.":

   a. If your disc has not already been formatted, the following message will appear in inverse video:

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

      After a couple minutes, another message will appear in inverse video:

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

      Finally, when a "*" prompt appears, press the COMMAND key to exit.

      **NOTE**

      If "** Disc VERIFY FAIL **" appears in inverse video and you have another floppy disc, press the COMMAND key followed by the RESET TERMINAL key twice in rapid succession, and then press (RETURN). Remove the floppy disc and start over with another disc.

      If "** Disc VERIFY FAIL **" appears and you do not have another floppy disc, consult your HP Software Engineer for assistance.

   b. If your disc is preformatted, the following message will appear in inverse video:

      ```
      ** FORMAT VOLUME not allowed **
      ```

      To exit, press the COMMAND key. Next, press the RESET TERMINAL key twice in rapid succession, and then press (RETURN).

      **NOTE**

      If you have a preformatted floppy disc and cannot get a colon prompt after resetting your terminal, consult your HP Software Engineer for assistance.

5. Remove the floppy disc from the unit.

# STORE THE FAULT LOCATING DIAGNOSTICS

To store the Fault Locating Diagnostics onto your floppy disc, follow these instructions:

1. Logon as:

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

2. Enter:

   ```
   :RUN FLDCOPY
   ```

3. To store the Fault Locating Diagnostics, follow either the instructions described below or those on your System Console; they are identical. (You may prefer to follow the instructions documented here, since you can check off the steps as you go along.)

   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

   The program will pause here. Follow the steps 1 through 4 (above) to continue:

   ```
   [BREAK]
   :CONSOLE ldev
   CONSOLE HAS BEEN SWITCHED FROM LDEV 20 TO LDEV ldev .
   :RESUME
   READ pending
   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 when- ever 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?

The program will wait for a response. Answer YES.

What is the name of the permanent file?

The program will wait for a response. Enter S64FLDS.

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

The program will wait for a response. Answer 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> )
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
```

The program will pause here. Follow Steps 1 through 3. After Step 3, the "Press RETURN when disc is ready and inserted." message will disappear and the following message will appear:

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

The program will pause once again so that you may continue with steps 4 through 8 (above).

**NOTE**

After completing Step 6, the softkeys will disappear for approximately five seconds before reappearing. Wait until they reappear before continuing with Step 7.

When you are finished with Step 8, the red light will blink on and off, and the following messages will appear; do not enter anything on the keyboard until you see "Do you want to make another copy?":

```
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?
```

The program will wait for a response. If you are finished, answer NO. (If you want to make another copy, answer YES and the program will return you to the prompt: "Do you want the instructions to prepare the TO disc for copying?".) If your response was NO, the following message will appear on the System Console, terminating the program.

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

4. Remove the disc from the floppy disc unit.

# CREATE THE STAND-ALONE DIAGNOSTICS TAPE

To create the stand-alone diagnostics tape (which requires the use of a scratch tape), follow the procedures as described below.

1. If you have not already done so, log onto the System Console as:

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

2. Copy and rename a file into the group you are logged onto, as follows:

   ```
   :FCOPY FROM=SYSWCS64.PUB.SYS;TO=SYSWCS55;NEW
   ```

3. Enable streams by entering the following:

   :STREAMS *ldev*

   Refer to number 4 on the Installation Worksheet for the LDEV # (*ldev*) of the streams device.

4. Start the standalone diagnostic job by entering the following:

   ```
   :STREAM SER64LNK
   ```

5. A job will log on and send the following messages to the System Console:

   *time/job/pin*/FROM/FIELD.SUPPORT/PLEASE MOUNT STAND/ALONE CPU DIAGNOSTIC TAPE

   ?*time/job/pin*/LDEV# FOR "SDUP" ON TAPE (NUM)?

   If you have a cartridge tape drive, such as the HP 9144, ensure that the arrow points away from SAFE. Then, insert the cartridge tape in the tape drive. The cartridge tape will automatically be placed online. Mount a scratch tape (with write enabled) on the tape drive that is used as the coldload device. Put the tape drive online to create the Stand-Alone CPU Diagnostics tape.

6. Enter the following command in response to the "SDUP" prompt:

   ```
   A^C
   =REPLY pin,ldev
   ```

   Refer to number 4 on the Installation Worksheet for the LDEV # of the cold load device. The *pin* number is from the tape request "LDEV# FOR "SDUP" ON TAPE (NUM)?".

7. Dismount and label the tape appropriately.

8. Log back onto the System Console as:

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

9. Proceed to Step L in Section II, entitled "RETURN THE SYSTEM TO ITS ORIGINAL STATE".

# IF THE UPDATE FAILS

APPENDIX H

As noted in Section II, "INSTALLATION PROCEDURES", any of the following errors may cause the update to fail:

```
ERROR #326  OUT OF DISC SPACE ON LDEV1
ERROR #350  OUT OF MEMORY
ERROR #351  OUT OF BANK 0
```

If one of these error messages appears, you can still update to the new operating system. Begin by performing one of the following steps:

- On a Series 37, ensure that the keyswitch is turned to position 2 and enter B^C on the System Console.
- On a system other than a Series 37, enter B^C followed by HALT on the System Console (or press the HALT switch on the system control panel).

Now, depending on which of these errors caused the failure, read the appropriate section(s) discussed below.

## OUT OF DISC SPACE ON LDEV1

If the update fails with an "ERROR #326 OUT OF DISC SPACE ON LDEV1" message, perform a COOLSTART, answering Y to the "RECOVER LOST DISC SPACE" step. (Performing a COLDSTART with your backup will not work). It takes approximately 10 minutes per every 1,000 files to recover the disc space. After the COOLSTART, use the :VINIT command with the >COND 1 option.

If, at this point, the COOLSTART still fails, perform a RELOAD from your backup tapes.

## OUT OF MEMORY OR OUT OF BANK 0

If the update fails with either an "ERROR #350 OUT OF MEMORY" or "ERROR #351 OUT OF BANK 0" message, COOLSTART the system by performing one or more of the following steps (performing a COLDSTART with your backup will not work):

- If your system table sizes are too large, reconfigure them (refer to Section VII of the MPE V System Operation and Resource Management Reference Manual (32033-90005)).

- If there are gaps in logical device numbers and if the gaps exceed the current number of spoolfiles, an reconfigure the devices without the gaps to reduce the I/O Configuration. d/or

- If your system does not have the new CST expansion firmware board installed, you will have to decrease your table sizes as described above. Contact your response center or local AEO for information on the advantages of installing the new firmware board.

If, at this point, the COOLSTART still fails, perform a RELOAD/SPREAD from your backup tapes.

# INSTALLATION CONFIGURATION HP ACCESS CENTRAL

APPENDIX I

HP Access Central requires the creation of its configuration and control dictionary databases to run. Additionally, diagnostics and sample databases are needed to use the diagnostic and tutorial features of the product.

When you ran the AUTOINSTALL program to install HP Access Central, all the components necessary for creation of these databases were also installed. To create the required databases and other associated files, you need to stream certain jobs as explained below. Also, for your convience, we have provided a set of UDCs. The activation and use of these are discussed below.

## Special Installation Procedures

Once the standard installation is complete, you need to stream some jobs that are specific to the HP Access Central installation. Review the headings below and follow the instructions appropriate to your system. Although some steps may not apply to your system, review them all. The headings that note **ALL SYSTEMS** explain jobs that must be run for all systems loading HP Access Central. To minimize any potential resource conflicts, set your job LIMIT to 1.

Please note that all INFO strings are to be entered in CAPS.

**ALL SYSTEMS: CREATE THE DATA DICTIONARIES.** You and the Database Administrator need to review the data dictionary schemas and either accept the default capacities, or modify them. Appendix C of the Database Administrator's Guide, Data Dictionary Information, explains when and how to modify capacities, defines their characterisctics, and gives the default and maximum capacities. When you are satisfied that the capacities are appropriate for your operation, build the data dictionaries based on the schema entries, by streaming this job:

```
:STREAM JDICTBLD.PPCUTIL.HPOFFICE
```

**ALL SYSTEMS: ACTIVATE THE UDCs.** HP Access Central provides the UDCs (user-defined commands) listed below. If you've set lockwords on the programs run by these UDCs, you may want to consider adding them to the UDCs, to prevent interruption of the UDCs for a user entry.

- ADMIN runs the Administrator Utility.
- TRANS runs the Translator Utility.
- ENABLEAC flags HP Access Central as available to users.
- DISABLEAC flags HP Access Central as unavailable to users.
- CLEARAC disables HP Access Central, then immediately enables it again. This UDC is used only when recovering from a power failure.
- HOSTVERIFY runs the host verification test, and is run only after product installation. It is explained fully in under the **Verifying the Installation** heading later in this section.

When the UDC file ACUDC is installed on your system, its security is set to "Creator Only" (CR); the creator is MGR.HPOFFICE. We recommend that these UDCs be activated only for use by MGR.HPOFFICE, or another protected user that is responsible for HP Access Central control:

- Logon as MGR.HPOFFICE.
- Enter :SETCATALOG ACUDC.PPCUTIL

**IF YOUR SYSTEM IS A SERIES 37.** The ADMIN and TRANS programs that run on the Series 37 are modified versions of the standard programs; they are names ADMIN37 and TRANS37 on the subsystem tape. Because HP Access Central looks for the names ADMIN and TRANS, you must rename the Series 37 versions. If you skip this step, MPE gives an error, telling you the ADMIN and TRANS programs do not exist. To rename ADMIN37 and TRANS37, enter

```
:STREAM JINST37.PPCUTIL.HPOFFICE
```

**IF YOUR SYSTEM INCLUDES REMOTE HP 3000s.** If you have one or more remote HP 3000s on the network, you must stream this job, to create the environment for remote access:

```
:STREAM JINSTREM.PPCUTIL.HPOFFICE
```

## Verifying the Installation

HP Access Central is now resident on your system. The program files, data and message files, the HP Access Central databases, and the account structures are all in place, and you are ready to verify that the installation is correct. To verify the installation, you will run some diagnostic tests both on the host, and from the PC.

**VERIFYING THE INSTALLATION ON THE HOST.** The HOSTDIAG program checks that the host's software loaded correctly: it checks that all HP Access Central software components are present and that their versions are correct. To verify the installation on the host:

1. Enable HP Access Central by entering :ENABLEAC.
2. Run the host verification diagnostic by entering :HOSTVERIFY (the UDC), or by entering the command.

   ```
   :RUN HOSTDIAG.PPC.SYS;INFO="VERIFY"
   ```

3. The HOSTDIAG program checks the HP Access Central module versions installed on the host. The DHDPMODS.PPCUTIL.HPOFFICE file, loaded during installation, lists the names of all HP Access modules. HOSTDIAG uses this file to find the modules for verification; it checks to see that each is present and that the versions are correct:

   - Each HP Access Central module listed in DHDPMODS must have a version number equal to all other HP Access Central module version numbers.
   - The IMAGE version must be greater than B.04.50.

- The V/3000 version must be equal to or greater than the current version, which is B.04.10. This version of V/3000 supports 4X terminal function keys.

HOSTDIAG creates the DHDPVERS file, which contains all module names and their versions found during the run. If HOSTDIAG finds versions that are incorrect, it directs you to check the DHDPVERS file to find the errors.

**VERIFYING THE INSTALLATION ON A PC.** Once you have determined that the host software loaded correctly, you need to verify the installation from the PC side. Because you enabled HP Access Central during the host verification, it is still available to users; you will disable it after completing the PC verification, to make it unavailable while the DBA configures HP Access Central.

1. Load the HP Access/Touchscreen software on one of the networked PCs, following the steps listed in the **Setting Up HP Access** guide.

2. Load the Personal Productivity Center Diagnostic Utility and the HP Access Diagnostics, following the steps listed in the **Using HP Access** guide.

3. Run the HP Access base tests, Go/No Go and Verify, following the steps listed in the **Using HP Access** guide. These tests are also discussed in Section 5 of theHP Access Central System Managers Guide (Part No. 36899-90003), Under the "PC DIAGNOSTICS" heading.

   - Go/No Go checks the basic functions of HP Access and HP Access Central, to determine if interaction between them is possible.

   - Verify ensures that all software modules are available for HP Access and HP Access Central, and that their versions are correct. It is similar to the host's version verification. The PC Verify test first checks the host versions and creates the host DHDPVERS.PPSAVE.HPOFFICE file, then checks the PC module versions and creates a DHDPVERS.TST file on the PC, listing the PC modules and their versions found during the test.

4. When you have ensured that the installation completed with no errors, initiate the UDC file DISABLEAC. This disables HP Access Central, preventing users from accessing its data while the Database Administrator does the configuration.

# INSTALL THE CONFIGURATION FILE FOR PRINT CENTRAL/3000

APPENDIX J

To run Print Central/3000, the SCONFIG.SBASE.HPOFFICE configuration file must exist on the system. There are two ways to create the file. One way is to create a default configuration with a job file provided. The other way is to run the program PSUTIL.PUB.SYS to create your own configuration.

**NOTE**

Before either of these methods can be used, the Print Spooler must be running. To do this, issue the command :RUN PSUTIL.PUB.SYS, enter the START command at the PSUTIL prompt (PSUTIL>), and enter EXIT at the next PSUTIL prompt.

1. To create the Default configuration, do the following:

```
:STREAM JADDCLAS.PPCUTIL.HPOFFICE
```

When the stream job has completed execution, it will print the message "DONE ADDING DEFAULT CLASSES TO PRINT SPOOLER CONFIGURATION" on the System Console. The System Manager can then modify the contents of the configuration file by following the procedures in Section 3 of the PSUTIL Reference Manual (Part Number 32345-90001). Although not required to use Print Central, there are other items that might need to be considered at this point such as what programs might be allocated, etc. For a full discussion of these items and recommended actions, refer to the Print Central System Manager's Guide (Part Number 36890-90003).

2. Instead of using the stream job listed above, the System Manager can directly create the customized configuration using the utility program PSUTIL.PUB.SYS. For procedures on doing this, refer to Section 3 of the PSUTIL/3000 Reference Manual.

# AUTOINST ERROR MESSAGES

APPENDIX K

AUTOINST error messages and their appropriate actions to follow are listed below. If you encounter an AUTOINST error message that is not in this appendix, contact your response center or local AEO for assistance.

## #1 ERROR MESSAGE

```
INSTALLATION CAN ONLY BE PERFORMED BY MANAGER.SYS,PUB.
```

**ACTION**

If you have followed the procedures in this manual you will not see this message.

## #2 ERROR MESSAGE

```
*WARNING -- THIS SYSTEM DOES NOT HAVE ENOUGH
DISC SPACE ON LDEV 1.  TO CONTINUE WITH THE
INSTALLATION, CONSULT THE CUSTOMER INSTALLATION
PROCEDURES. (INSTERR # 2)
```

**ACTION**

Run FREES.PUB.SYS to determine the amount of disc space that must be released. Then, try one of the three possible options to free your disc space:

- First option (most recommended) - Purge files until you have enough free space.
- Second option - Use the :VINIT command with the >COND 1 option.
- Third 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 12,000 contiguous sectors of disc space, enter :RUN AUTOINST.PUB.SYS, then return to Step 2 of "E. RESTORE THE FILES FROM THE FOS TAPE" in Section II.

## #3 ERROR MESSAGE (OMITTED)

**#4 ERROR MESSAGE**

```
CREATION OF THE ACCOUNTING STRUCTURE HAS
FAILED.  TO CONTINUE WITH THE INSTALLATION,
CONSULT THE CUSTOMER INSTALLATION PROCEDURES.  (INSTERR # 4)
```

**ACTION**

This message may have appeared if:

- One or more passwords exist on groups, users, or accounts of jobs streamed by AUTOINST. Refer to Step 8 of "A. PREPARE FOR THE SYSTEM UPDATE" in Section II. If a password exists, remove the password. Abort all deferred jobs and enter :RUN AUTOINST.PUB.SYS. Return to Step 5 of "E. RESTORE THE FILES FROM THE FOS TAPE" in Section II.

- Other job/sessions logged on (via high priority, HIPRI) under the accounts that AUTOINST was attempting to purge and rebuild.

  If so, abort these jobs/sessions, as well as all deferred jobs, and enter :RUN AUTOINST.PUB.SYS. Return to Step 5 of "E. RESTORE THE FILES FROM THE FOS TAPE" in Section II.

- You failed to disable UDCs at the system, account, or user levels.

  If so, enter the following commands. (Record the file names given by the :SHOWCATALOG commands on number 2 of the Installation Worksheet.)

```
:SHOWCATALOG
:SETCATALOG; SYSTEM
:SETCATALOG; ACCOUNT
:SETCATALOG
:HELLO OPERATOR.SYS;HIPRI
:SHOWCATALOG
:SETCATALOG
:HELLO MANAGER.SYS,PUB;HIPRI
```

Abort all deferred jobs, enter :RUN AUTOINST.PUB.SYS and return to Step 5 of "E. RESTORE THE FILES FROM THE FOS TAPE" in Section II.

If neither of these reasons caused the creation of the accounting structure to fail, contact your Response Center or local AEO.

### #5 ERROR MESSAGE

```
THE FILES FROM THE FOS TAPE WERE NOT SUCCESSFULLY
RESTORED.  TO CONTINUE WITH THE INSTALLATION,
CONSULT THE CUSTOMER INSTALLATION PROCEDURES. (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. If necessary, take appropriate corrective measures and then repeat the process of running AUTOINST.PUB.SYS. Return to Step 2 of "E. RESTORE THE FILE FROM THE FOS TAPE" in Section II. If unsuccessful a second time, consult your Response Center or local AEO.

### #6 ERROR MESSAGE

```
THE SUBSYS TAPE HAS NOT BEEN SUCCESSFULLY RESTORED.
TO CONTINUE WITH THE INSTALLATION, CONSULT THE
CUSTOMER INSTALLATION PROCEDURES. (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. If necessary, take appropriate corrective measures and then repeat the process of running AUTOINST.PUB.SYS. Return to Step 1 of "F. RESTORE THE PRODUCTS FROM THE SUBSYS TAPE" in Section II. If unsuccessful a second time, consult your Response Center or local AEO.

### #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. Run AUTOINST.PUB.SYS again and return to Step 3 of "G. BEFORE CREATING THE CE DIAGNOSTICS TAPE".

## #8 ERROR MESSAGE

```
THE COLD LOAD TAPE WAS NOT SUCCESSFULLY CREATED.
TO CONTINUE WITH THE INSTALLATION, CONSULT THE CUSTOMER
INSTALLATION PROCEDURES.  (INSTERR # 8)
```

### ACTION

Use the utility SPOOK5.PUB.SYS to inspect the spoolfiles generated by AUTOINST for the job DUMP.PUB.SYS. If necessary, take appropriate corrective measures and then repeat the process of running AUTOINST.PUB.SYS. Return to Step 2 of "I. CREATE THE COLDLOAD TAPE" in Section II. If you can not resolve the problem or AUTOINST fails again, consult your Response Center or local AEO.

# INSTALLATION WORKSHEET

APPENDIX
L

During the installation of the new operating system, fill out this worksheet (as specified in Section II, Appendix A, and Appendix B).

1. Record the following passwords:

- SYS Account _____
- MANAGER.SYS _____
- OPERATOR.SYS _____
- SUPPORT Account _____
- FIELD.SUPPORT _____
- TELESUP Account _____
- MGR.TELESUP _____
- FIELD.TELESUP _____
- HPOFFICE Account _____
- MGR.HPOFFICE _____
- SPOOLMAN.HPOFFICE _____
- PUB Group (HPOFFICE) _____
- MAILDB Group (HPOFFICE) _____
- HPTELEX Group(HPOFFICE) _____
- TDPDATA Group(HPOFFICE) _____
- WP.OFFICE _____
- PUB Group (TELESUP) _____
- HPPL85 Account _____
- HPPL87 Account _____
- HPPL89 Account _____
- HPPL96 Account _____
- ITF3000 Account _____
- FIELD.HPPL85 _____
- FIELD.HPPL87 _____
- FIELD.HPPL89 _____
- FIELD.HPPL96 _____
- MANAGER.ITF3000 _____
- PUB Group (HPPL85) _____
- PUB Group (HPPL87) _____
- PUB Group (HPPL89) _____
- PUB Group (HPPL96) _____
- PUB Group (ITF3000) _____

2. Record the following UDC file names:

- System-wide UDC(s) _____
- SYS Account UDC(s) _____
- MANAGER.SYS UDC(s) _____
- OPERATOR.SYS UDC(s) _____
- FIELD.SUPPORT UDC(s) _____
- MGR.TELESUP UDC(s) _____
- MGR.HPOFFICE UDC(s) _____
- USER Account UDC(s) _____
- FIELD.HPPL85 UDC(s) _____
- FIELD.HPPL87 UDC(s) _____
- FIELD.HPPL89 UDC(s) _____
- FIELD.HPPL96 UDC(s) _____
- MANAGER.ITF UDC(s) _____

3. If applicable, record the name given to SYSSTART.PUB.SYS: _____

4. While performing the :SYSDUMP $NULL, record whatever following information is necessary for your installation:

   - DRT # for LDEV 1 _____
   - Device class for the coldload device _____
   - LDEV # for the coldload device _____
   - LDEV # for the streams device _____
   - DRIVER NAME and LDEV# of any devices that use the same device class as the output device of the streams device _____
   - PCB table _____
   - DISC REQUEST TABLE _____
   - SWAP TABLE _____
   - PRIMARY MESSAGE TABLE _____
   - SECONDARY MESSAGE TABLE _____
   - MAX CODE SEG SIZE _____
   - MAX STACK SIZE _____
   - MAX EXTRA DATA SEG SIZE _____
   - MAX # OF EXTRA DATA SEGMENTS/PROCESS _____

5. If you have any data communication products that require I/O configuration changes, list them here:

_____

_____

_____

_____

**CAUTION**

To safeguard the security of the system, please destroy this worksheet after the installation is complete.

## READER COMMENT SHEET

**HP 3000 Software Update Manual**

**32033-90036 NOV 1985**

We welcome your evaluation of this manual. It is one of several that serve as a reference source for HP 3000 Computer Systems. Your comments and suggestions help us to improve our publications and will be reviewed by appropriate technical personnel. HP may make any use of the submitted suggestions and comments without obligation.

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