

HP 3000 Commercial Systems
HP 3000 Software Update Manual
For MPE V Releases Using Turbo Update
Beginning with Release 40



HP Part No. 32033-90406
Printed in U.S.A. August 1995

R 3532

NOTICE

The information contained in this document is subject to change without notice.

HEWLETT-PACKARD MAKES NO WARRANTY OF ANY KIND WITH REGARDS TO THIS MATERIAL, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Hewlett-Packard shall not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance, or use of this material.

Hewlett-Packard assumes no responsibility for the use or reliability of its software on equipment that is not furnished by Hewlett-Packard.

This document contains proprietary information which is protected by copyright. All rights are reserved. No part of this document may be photocopied, reproduced or translated to another language without prior written consent of Hewlett-Packard Company.

Copyright © 1984 - 1995 by HEWLETT-PACKARD COMPANY
STC/Support Technology Center
8000 Foothills Boulevard
Roseville, CA 95747-5617 USA

HP Computer Museum
www.hpmuseum.net

For research and education purposes only.

CONVENTIONS USED IN THIS MANUAL

NOTATION	DESCRIPTION
nonitalics	Words in syntax statements which are not in italics must be entered exactly as shown. Punctuation characters other than brackets, braces, and ellipses must also be entered exactly as shown. For example: <pre>EXIT;</pre>
<i>italics</i>	In a syntax statement or example, words which are in italics represent a parameter which must be replaced with a user-supplied value. For example: <pre>CLOSE <i>filename</i></pre>
<u>underlining</u>	Within an example that contains interactive dialog, or when necessary for clarity in an example, user input and user responses to prompts are indicated by underlining. In the following example, <u>yes</u> is the users' response to the prompt. <pre>Do you want to continue? >> <u>yes</u></pre> <pre>NEW NAME? <u>ALPHA</u></pre> <p>In addition, brackets, braces, or ellipses appearing in syntax or format statements which must be entered as shown will be underlined. For example: <pre>LET var[<u>[[subscript]]</u>] = value</pre></p>
[]	An element inside brackets in a syntax statement is optional. Several elements stacked inside brackets means the user may select any one or none of these elements. For example: <pre>[A] User <i>may</i> select A or B or neither.</pre>
{ }	When several elements are stacked within braces in a syntax statement, the user must select one of those elements. For example: <pre>{ A } B } User <i>must</i> select A or B or C. C }</pre>
...	A horizontal ellipsis in a syntax statement indicates that a previous element may be repeated. For example: <pre>[, <i>itemname</i>] ... ;</pre> <p>In addition, vertical and horizontal ellipses may be used in examples to indicate that portions of the example have been omitted.</p> <p>A shaded delimiter preceding a parameter in a syntax statement indicates that the delimiter <i>must</i> be supplied whenever (a) that parameter is</p>

included or (b) that parameter is omitted and any *other* parameter which follows is included. For example:

itema[, *itemb*] [, *itemc*]

means that the following are allowed:

itema

itema, itemb

itema, itemb, itemc

itema,, itemc

␣

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

SET[(*modifier*)]␣(*variable*);

shading

Shading represents inverse video on the terminal's screen. In addition, it is used to emphasize key portions of an example.

□

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

CONTROL *char*

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

Contents

1. Introduction	
Introduction to the Turbo Update Process	1-1
Turbo Update Optional Entry Points	1-2
The Turbo Update Program HELP Entry Point	1-2
Updating Add-On Products	1-2
2. Update Preparation	
Preparing to Run the Turbo Update Program	2-1
System Version Verification	2-1
Update Preparation	2-2
Passwords	2-4
HP Security Monitor Preparation	2-4
3. Running the TUINSTAL Program	
Running the Turbo Update Program	3-1
Creating the HPTUINST.SYS Group	3-1
Restoring the Files to the HPTUINST.SYS Group	3-1
Running the TUINSTAL Program	3-2
Updating the System with the Update Tape	3-4
4. Bringing Up the System	
Getting the System Started After the Update	4-1
Starting Disk Caching	4-1
Enabling UDCs	4-1
Replace Passwords	4-2
Re-modify CATALOG.PUB.SYS	4-2
Record the Installation	4-2
Re-enable SYSSTART File	4-3
Restart the System	4-3
Restarting the Security Monitor	4-3
Restart User Logging Processes	4-3
Open the Data Communication Lines	4-3
5. Creating the Standalone Diagnostics	
Creating the Standalone Diagnostics	5-1
How to Format a Cartridge Tape	5-2
How to Format a Flexible Disk on an HP2647F Console.	5-2
How to Format a Flexible Disk on an HP 150 Console.	5-3
Create the DUS Tape	5-3
Create the FLD Disk	5-4
Creating Diagnostics on the HP2647F	5-4
Creating Diagnostics on the HP2647F Terminal	5-6

Warning **All Hewlett-Packard subsystem products on a system are updated by the Turbo Update process. The Turbo Update process does not allow the user to select the subsys products to be updated. If you have Hewlett-Packard subsystem products that you do not want to update, please contact your Hewlett-Packard Response Center.**

Turbo Update Optional Entry Points

There are two optional entry points that may be used when running the Turbo Update program (TUINSTAL.HPTUINST.SYS). The first is the HELP entry point which allows the user to access the HELP file described below. The second is the DIAG entry point, which allows the user to create the DUS (Diagnostic Utility System) tape for stand-alone diagnostics and the FLD (Fault Locating Diagnostics) flexible disk for S6X/7X systems. Instructions for using the DIAG entry point can be found in Chapter 5, or enter DIAG at the HELP facility prompt (>) for further information on these entry points.

The Turbo Update Program HELP Entry Point

The TUINSTAL program has two ways to get HELP information. One method is to run the TUINSTAL.HPTUINST.SYS program with the HELP entry point. To do this, log onto the system as MANAGER.SYS,HPTUINST and issue the following command:

```
:RUN TUINSTAL,HELP
```

The program will use the MPE HELP facility to provide information about the Turbo Update process. When the EXIT command is issued to exit from the HELP facility, the TUINSTAL program will terminate.

The second method is to enter a question mark ? anywhere the TUINSTAL program prompts the user for information. When ? is entered, the TUINSTAL program will print a few lines of information to help the user determine the correct response to the prompt. Help is available using the ? key during the installation process, or when using the DIAG entry point to create the stand-alone diagnostic media. To receive the full help text, use the HELP entry point.

Updating Add-On Products

When you purchase another subsystem, you will be asked what version of MPE V you are currently running so the correct version of the product may be shipped. The subsystem software will be sent to you on a separate tape which must be installed using the AUTOINST process. If you are running MPE V Release 3P or earlier, simply run the AUTOINST program as documented in the HP 3000 Software Add-On Manual or the HP 3000 Software Add-On Using the HP-IB CD-ROM Drive manual.

Once you receive the subsystem tape that contains the add-on product, you will have to use the AUTOINST process to install the subsystem. Then, when the subsystem is installed, you must perform the Turbo Update process to get the updated files and system SL segments for that product. When you perform the Turbo Update process, it will update everything again because the Turbo Update program will not know that you have just added a subsystem and will therefore, update all the subsystems on the system. However, updating all of your software again should not cause any problems.

Once you have completed the Turbo Update process to update your software, your base version will always be Release 3P. Therefore, if you purchase a subsystem after doing the Turbo Update process, always specify Release 3P as the base version for the new subsystem.

Note Always perform the Turbo Update process after installing 3P or earlier versions of the purchased subsystem. Many purchased products require other “dependent” products which are installed during the subsystem installation process. The only way to guarantee that all the software has been upgraded to the latest version, and is therefore compatible, is to make sure the Turbo Update process is performed after installing the purchased product or subsystem.



.

.



.

.



Update Preparation

Preparing to Run the Turbo Update Program

The following tasks must be performed before the Turbo Update program can be completed successfully.

- System Version Verification
- Update Preparation
- Passwords
- HP Security Monitor Preparation

System Version Verification

The Turbo Update process will only work on MPE V systems that are currently running the Release 2P or later version of MPE V. If you do not know what version of MPE you are currently running, use the following procedure to find the Release version and match this version number against the list of Turbo Update supported versions below:

1. Ensure that the system has been properly backed up before continuing.

2. Log on and enter:

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

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

```
:SHOWME
```

The system will display a message similar to the following:

```
USER: #S1,MANAGER.SYS,PUB          (NOT IN BREAK)
RELEASE: G.3P.00 MPE V HP32033 G.12.00  USER VERSION: G.3P.00
CURRENT: WED, OCT 26, 1994,  1:20 PM
LOGON:  MON, OCT 26, 1994, 10:29 AM
CPU SECONDS: 9          CONNECT MINUTES: 75
$STDIN LDEV: 20        $STDLIST LDEV: 20
```

4. Match the Release version displayed to the following list. If the version does not appear in the list, contact the Hewlett-Packard Response Center for information about getting updated to one of the versions listed below.

- Release 2P G.2P.00
- Release 30 G.30.00
- Release 31 G.31.00
- Release 3P G.3P.00
- Release 40 G.40.00 (for updating products added to Release 40)

Update Preparation

Advise users in advance of the planned system down time. If you have not done a full system backup and tape verification, do so now. The installation will take from 3/4 hour to 2 1/2 hours with disk caching enabled to complete, depending on the number of SUBSYS products purchased and the type of computer and peripherals being used.

Note If the system segmented library (system SL) contains non-HP software, the update process will *NOT* remove it from the system.

System Setup

1. From the console log on and enter:

```
:HELLO MANAGER.SYS,PUB
:CONSOLE 20
:LIMIT 1,1
:JOBFENCE 7
:SHOWJOB
:STREAMS ldev                                (where ldev is the configured STREAMS device)
```

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

```
:WARN@ PLEASE LOG OFF!
:ABORTJOB #Jnnn                                (for jobs)
:ABORTJOB #Snnn                                (for sessions)
```

3. The Turbo Update process will be using the group USL.SYS. If you have files in this group that you wish to save, store the files to tape and keep the tape for archival purposes.
4. If the file SYSSTART.PUB.SYS exists on the system, rename the file and record the new name:

```
:RENAME SYSSTART,filename
```

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

```
:SHOWLOGSTATUS
```

Record the logids shown for use in both stopping the user logging process in the next step and for use in starting the user logging process when bringing the system up after completing the Turbo Update process.

6. If any User Logging processes are running, terminate them as follows:

```
:LOG logid,STOP
```

7. Print out or STORE off system log files in PUB.SYS for future reference, then purge the files from the system. This frees up disk space that may be needed for the installation. Enter the following commands to locate the log files:

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

If you are running Release 30 (G.30.00) or later of MPE V and want to use the wildcard feature of the purge command to delete the log files, use the following commands:

```
:PURGE LOG#0  
:PURGE NML?#0
```

If you are on a release earlier than Release 30, you will have to use the :PURGE command specifying each file name individually:

```
:PURGE LOG##### (where ##### is the five digit number from the file name.)
```

8. Enter the following to determine if spool files are present:

```
:SHOWOUT SP
```

Print or store to tape any existing spool files, and delete the files from the system.

If you are using Release 31 or later of MPE you can use the following MPE and SPOOK5 commands to store all of the spool files to tape and delete the files:

```
:RUN SPOOK5  
>0;;P
```

If you are using Release 30 or earlier of MPE, you will need to use the following MPE and SPOOK5 commands to store all of the spool files to tape:

```
:FILE SPOOKOUT;DEV=TAPE  
:RUN SPOOK5  
>00.0;*SPOOKOUT  
>D ###
```

(where ### is the spool file number. Issue this command once for each spool file on the system.)

Note If spool files are not deleted from the system, the space they occupy will NOT be reallocated to free space when the system is updated after the SYSDUMP job completes.

9. Disable data communication products as applicable:

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

Note If you have DS or NRJE subsystems installed, you must now shut down the system and perform a coolstart. Make sure that no commands that perform any networking operations are entered after the system is restarted (ex. DSCONTROL, NRJECONTROL, etc.)

10. Disabling UDCs

If user, account, or system level UDCs are set, the UDCs could affect the work accomplished by the Turbo Update program. To make sure this does not happen, issue the following commands:

```
:SHOWCATALOG           (Record the names of the files being used)
:SETCATALOG;SYSTEM     (Disables System level UDCs)
:SETCATALOG;ACCOUNT    (Disables Account level UDCs)
:SETCATALOG            (Disables User level UDCs)
```

11. Ensure Free Space on the System Disk

Turbo Update can require up to 35,000 sectors of free space on the system disk to bring in the system files from the Turbo Update master tape and complete the SYSDUMP operation. Follow the steps below to ensure there is enough free space.

a. Build a dummy file of 35,000 sectors, as follows:

```
:BUILD TAKESPAC;DEV=1;DISC=35000,1,1
```

```
:PURGE TAKESPAC
```

If there is not enough free space on the system disk, store files to tape and purge them, or move them to another disk on the system.

```
:BUILD TEMPSPAC;DISC=35000,1,1
```

```
:PURGE TEMPSPAC
```

If there is not enough free space on disk class "disc", store files to tape and purge them.

Caution If you do not ensure that there is enough free disk space, the Turbo Update process will produce a warning message displaying the minimum amount of free space you must have. Failure to ensure you have the minimum disk space required may force you into a RELOAD.

Passwords

The only time a password is needed is when the TUINSTAL program streams the TUSYSDMP job to do a SYSDUMP.

HP Security Monitor Preparation

To determine if you have HP Security Monitor, enter the following command:

```
:LISTF SECCONF.PUB.SYS
```

If the message "FILE NOT FOUND. (CIERROR 907)" is displayed, you do not have the HP Security Monitor product. Skip to to Chapter 3; Running the TUINSTAL Program.

If no error message is displayed, you have the HP Security Monitor product on your system. Follow steps 1, 2, and 3 below to set the global options, and steps 4 and 5 to suspend command disabling.

2-4 Update Preparation

1. To determine if passwords are required for the users listed in the worksheet (see appendix E), perform the following:

```
:RUN LISTDIR5.PUB.SYS
>LISTUSER MANAGER.SYS
>LISTUSER MANAGER.HPTELEX
>LISTUSER MGR.TELESUP
>LISTUSER FIELD.SUPPORT
>LISTUSER MGR.HPOFFICE
>LISTUSER WP.HPOFFICE
>LISTUSER MGR.HPWORD
```

The LISTDIR5 utility will display information about each user. For any user where

PASSWORD REQUIRED: ON *(indicating a password is required)*

is displayed, issue the following command for those users.

```
:ALTUSER username;USERPASS=OPT
```

Be sure to note these changes on the worksheet which USERS have had the REQ option removed. Appendix E.

2. If the HP Security Monitor is installed, ensure the following settings are correct before running the Turbo Update program.

```
:RUN SECCONF.PUB.SYS
```

3. Respond to the prompts in the dialog as shown:

```
HP SECURITY MONITOR  HP 30392A.nn.nn  (C) HEWLETT-PACKARD CO., 1986

MAIN MENU

0. Exit
1. Global Security Options
2. Device Logging and Access
3. Command Logging and Access

Please enter your choice (0-3): 1
```

GLOBAL SECURITY OPTIONS

0. Exit to Main Menu
1. Password Encryption
2. Minimum Length for Passwords
3. Maximum Invalid Logons per Device
4. Mandatory Password Prompt
5. Idle Session Timeout
6. Generic Logon Message Option
7. UDC Failure Termination Option
8. File Open Logging Option
9. Global User Password Expiration
10. Batch Submission Security Options
11. Assurance of Auditability Option
12. File Maximum Protection Option

Please enter your choice (0-12): 10

STREAM MENU

0. Exit to Global Security Menu
1. Embedded Password Disallowed Option
2. Cross Streaming Restriction Option
3. Stream Privilege Option

Please enter your choice (0-3): 1

You have just selected the function to configure whether embedded passwords in job card are allowable. When this option is ON, MPE will reject any !JOB command with passwords embedded in it.

EMBEDDED PASSWORD DISALLOWED is currently OFF (disabled).

Please specify your new choice (ON/OFF): OFF

EMBEDDED PASSWORD DISALLOWED is now DISABLED

STREAM MENU

0. Exit to Global Security
1. Embedded Password Disallowed Option
2. Cross Streaming Restriction Option
3. Stream Privilege Option

Please enter your choice (0-3): 2

You have just configured whether streaming of other people's jobs is allowable. When this option is ON, a person will not be allowed to stream another person's job unless specifically authorized.

Cross Streaming Restriction is currently OFF (cross streaming is allowed). Please specify your new choice (ON/OFF): OFF

CROSS STREAM RESTRICTION is now DISABLED

STREAM MENU

0. Exit to Global Security Menu
1. Embedded Password Disallowed Option
2. Cross Streaming Restriction Option
3. Stream Privilege Option

Please enter your choice (0-3): 0

GLOBAL SECURITY OPTIONS

0. Exit to Main Menu
1. Password Encryption
2. Minimum Length for Passwords
3. Maximum Invalid Logons per Device
4. Mandatory Password Prompt
5. Idle Session Timeout
6. Generic Logon Message Option
7. UDC Failure Termination Option
8. File Open Logging Option
9. Global User Password Expiration
10. Batch Submission Security Options
11. Assurance of Auditability Option
12. File Maximum Protection Option

Please enter your choice (0-12): 12

You have just selected the function to configure whether a newly created file is to be maximally protected. When this option is ON, the default access for new files will be set as (R,W,X,L,A: CR) only.

MAXIMUM PROTECTION is currently OFF (disabled).

Please specify your new choice (ON/OFF): OFF

MAXIMUM PROTECTION is now DISABLED

GLOBAL SECURITY OPTIONS

0. Exit to Main Menu
1. Password Encryption
2. Minimum Length for Passwords
3. Maximum Invalid Logons per Device
4. Mandatory Password Prompt
5. Idle Session Timeout
6. Generic Logon Message Option
7. UDC Failure Termination Option
8. File Open Logging Option
9. Global User Password Expiration
10. Batch Submission Security Options
11. Assurance of Auditability Option
12. File Maximum Protection Option

Please enter your choice (0-12): 0

MAIN MENU

- 0. Exit
- 1. Global Security Options
- 2. Device Logging and Access
- 3. Command Logging and Access

Please enter your choice (0-3): 0

Your security configuration changes will now take effect.

Thank you for using the Security Configurator.

4. Run SECCONF to display the RESET menu for HP Security Monitor:

:RUN SECCONF,RESET

5. Respond to the prompts in the dialog as shown:

HP SECURITY MONITOR HP30392A.nn.nn (C) HEWLETT-PACKARD CO., 1986

RESET MENU

- 0. Exit
- 1. Hard Reset
- 2. Soft Reset - Reset Global Options
- 3. Soft Reset - Reset Command Options
- 4. Soft Reset - Reset Device Passwords
- 5. Suspend - Suspend Command Disabling



Please enter your choice (0-5): 5

WARNING -- This option will temporarily suspend the command disabling feature. To re-enable the function either RUN SECCONF again or restart the system.

Proceed with the SUSPEND (YES/NO)? YES

Suspend - Command Disabling now Suspended.

Your security configuration changes will now take effect.

Thank you for using the Security Configurator.

END OF PROGRAM



Running the TUINSTAL Program

Running the Turbo Update Program

The Turbo Update program (TUINSTAL.HPTUINST.SYS) determines which purchased subsystems exist on your system and updates all Fundamental Operating System (FOS) products or utilities, and all purchased products that are on the system as needed. The process of using the Turbo Update master tape and program is designed to be very simple, and maximize the amount of time your system is available for production work. Running the Turbo Update program is the second step in the process and will accomplish the items listed here.

Creating the HPTUINST.SYS Group
 Restoring the Files
 Running the TUINSTAL Program
 Updating the System with the COLDLOAD Tape

Caution If your configured streams output device is not spooled, it must be online for jobs to be streamed.

Creating the HPTUINST.SYS Group

The TUINSTAL program and associated files use the group HPTUINST.SYS. This group must be created on the system. Log onto the system as MANAGER.SYS,PUB and create the new group as follows:

```
:HELLO MANAGER.SYS,PUB
:NEWGROUP HPTUINST;CAP=PH,DS,MR,PM,IA,BA
```

Restoring the Files to the HPTUINST.SYS Group

To restore the TUINSTAL program and associated data files, do the following:

1. On the system console, log onto the system as follows:

```
:HELLO MANAGER.SYS,HPTUINST
```

2. Mount the Turbo Update master tape on the tape drive or insert the Turbo Update cartridge tape into the cartridge tape drive.

3. Restore the nine files from the Turbo Update master tape as follows:

For reel tape drives:

```
:RESTORE;@.HPTUINST.SYS;SHOW
```

For Cartridge tape drives:

```
:FILE TU;DEV=CTAPE
```

```
:RESTORE *TU;@.HPRINST.SYS;SHOW
```

Nine files should be restored from the tape. These files are:

- TUINSTAL (TUINSTAL program file)
- TUCAT000 (TUINSTAL Message Catalog file)
- TUHELP (TUINSTAL HELP file)
- TUACCT (File of Needed Accounting Structures)
- TUSUBSYS (File list of purchased subsystems that have changes)
- TUSLINFO (File of needed SYSDUMP System Program & SL changes)
- TUTAPE (Program file to handle the Turbo Update Master tape)
- TUCOPY (Program to copy the Turbo Update Master Tape)
- TUCATSRC (Source for TUCAT000)

4. When the tape finishes rewinding after restoring the files, remount the Turbo Update Master tape and place the drive online.

Running the TUINSTAL Program

The TUINSTAL program will:

1. Enable disk caching on ldev 1 if the disk caching product is on the system and caching has not been enabled on ldev 1.
2. Verify that all of the data files are the correct version(s).
3. Verify that the program is being run from the system console and that it is being run from the HPTUINST.SYS group.
4. Check that enough disk space is available for the sysdump job.
5. Check to determine what purchased subsystems you have on your system that have had changes.
6. Build a SYSDUMP job file in the HPTUINST.SYS group which will make all of the changes required to the system SL (SL.PUB.SYS) for MPE, FOS products or utilities, and all purchased products that are on the system
7. RESTORE all of the files needed to update MPE, FOS products or utilities, and all purchased products that are on the system from the Turbo Update Master tape.
8. STREAM the job file TUSYSDMP.HPTUINST.SYS to perform the SYSDUMP operation.

Note

The TUINSTAL program can only be run:

1. From the system console.
 2. The user must be logged on as MANAGER.SYS,HPTUINST.
 3. No jobs can be running.
 4. Only one session can be logged onto the system.
 5. All data communication lines must be shut down.
-

To run the program, issue the following command:

```
:RUN TUINSTAL
```

When the TUINSTAL program starts, it will display the following msg:

```
TUINSTAL is determining the products to install. This will take
```

3-2 Running the TUINSTAL Program

from 1-15 minutes, depending on CPU speed and products installed.

After determining the products to install, TUINSTAL will ask the following questions about the tape drive.

```
Enter the LDEV or device class of your tape device (? for help) >>
Device "x" will be used to read the Turbo Update master tape.
Enter the LDEV number for SYSDUMP to write to "x" (? for help) >>
Logical device number "x" will be used later in the SYSDUMP job.
```

("x" is the device number or class name you entered.)

To find out more about any of the questions, enter a ?. The TUINSTAL program will display three to six lines of information about the question and ask the question again, providing another chance to answer the question.

Note Once the Turbo Update master tape has been rewound and put off line by the program, remove the tape and mount a 2400' scratch tape or a 600' cartridge tape as appropriate. The scratch tape will be used by the SYSDUMP job to create a COLDLOAD tape to be able to update the system SL and appropriate system programs and drivers.

Unless some kind of error is detected, the only other action that is required before shutting down the system is to answer the I/O request for the tape drive from the SYSDUMP job.

Once the SYSDUMP job has completed, look for a message on the system console stating whether the job successfully completed or had problems. If the SYSDUMP job completes successfully, it will issue the following message on the system console and the spool file will be deleted.

```
SYSDUMP job completed successfully.
Shut down the system and update the system
with the created UPDATE tape.
```

If a problem is detected by the SYSDUMP job, it will issue the following message on the system console and the spool file will be left on the system for troubleshooting purposes:

```
SYSDUMP failed. Check spool file for errors.
```

To check the spool file for errors, use the MPE SPOOK5 utility to look at the spool file. To do this, use the following steps to look at the spool file:

1. Use the following command to run the MPE SPOOK5 utility:

```
:RUN SPOOK5.PUB.SYS
```

2. Obtain the spool file number by using the SPOOK5 SHOW command:

```
>S
```

There should only be one spool file listed because you should have saved off and deleted any other spool files as part of the setup items to be accomplished. If, however, there are multiple spool files, the correct spool file can be identified by the job number shown on the console when the SYSDUMP job logged onto the system. Using the spool file number, use the SPOOK5 TEXT command to be able to look at the file:

```
>T ##### (where ##### is the spool file number)
```

3. Use the SPOOK5 LIST command to look at the end of the spool file:

```
>L L-20/L,UNN
```

4. Look at the listing to see what error message was issued. After determining what corrective action to take, delete the spool file by using the SPOOK5 DELETE command:

```
>D*
```

5. Exit the SPOOK5 utility by using the EXIT command:

```
>E
```

Note If there was an error message, take the appropriate action as indicated by the error message and restart the SYSDUMP job by using the MPE STREAM command:

```
:STREAM TUSYSDMP
```

Updating the System with the Update Tape

1. MPE V Shutdown

Shut down the system:

```
CONTROL-A  
=SHUTDOWN
```

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

- a. On a Series 37, MICRO 3000, or MICRO 3000/XE enter:

```
CONTROL B
```

- b. On all other systems enter:

```
CONTROL B  
->HALT
```

2. Update from the update tape created by the Turbo Update TUSYSDMP job.

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

- a. Mount the FOS tape and put the tape drive online.

- b. Enter:

```
->LOAD
```

- c. Respond to the dialog as shown below. (If the DRT number given by the system for LDEV 1 differs from the value displayed, use the value from the system I/O Configuration listing.)

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

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

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

ANY CHANGES? N

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

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

BANK 0 DEPENDENT MEMORY USED -xxxxxx

- d. On a Series 37 or MICRO/3000 Series system:

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

day,date,time? (Y/N)

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

- e. On all other systems:

Respond to the date prompt as requested.

DATE (M,D,Y)?

(mm/dd/yy)

TIME (H:M)?

*(hh:mm - ** 24 hour format)*

Confirm the date and time as prompted.

The system has now been fully updated. The next task is to make the system fully operational for the users.

Note

If you have any patches that need to be applied, please refer to your Patch Installation Instructions and install them at this time.



Bringing Up the System

Getting the System Started After the Update

Once the system has been updated, you will need to set up the system for normal operation. This is almost the reverse of the steps done to get ready to do the Turbo Update process. Perform the following tasks:

- Start Disk Caching
- Enable UDCs
- Replace Passwords
- Modify the System Catalog File
- Record the Installation
- Re-enable the SYSSTART File
- Restart the System
- Restart Security Monitor
- Restart User Logging Processes
- Open the Data Communication Lines



Before you get started, log on to the system as follows:

```
:HELLO MANAGER.SYS
```

Starting Disk Caching

To enable disk caching, issue the following commands for each disk where software caching is applicable.

```
:STARTCACHE ldev#
```

Enabling UDCs

To enable the SYSTEM, ACCOUNT, and USER level UDCs previously disabled, use the following commands, inserting the file names as appropriate:

```
:SETCATALOG udcfilename,udcfilename;SYSTEM      (SYSTEM Level UDCs)
:SETCATALOG udcfilename,udcfilename;ACCOUNT      (ACCOUNT Level UDCs)
:SETCATALOG udcfilename,udcfilename              (USER Level UDCs)
```

Replace Passwords

Replace any passwords that were previously removed. If Turbo Update changed the password, the new password will be recorded at the end of the file TUDMPJOB.HPTUINST.SYS.

Hewlett-Packard recommends that you set passwords for the accounts and users listed below. These accounts and users could be created or modified during the Turbo Update process as required by the products on the tape regardless of whether or not the products were on your system. Some of these accounts may not contain files after you complete the update.

CONV
HPOFFICE
HPPL85
HPPL87
HPPL96
HPPL89
ITF3000
RJE
SUPPORT
TELESUP

The following users are created or modified to have OP and/or PM capabilities. We recommend that you set passwords for these users.

MGR.HPOFFICE
FIELD.HPPL85
FIELD.HPPL87
FIELD.HPPL89
MGR.TELESUP

Record the passwords and keep them in a secure place.

Re-modify CATALOG.PUB.SYS

If any modifications were made to the old CATALOG.PUB.SYS file, re-enter the modifications in the new file.

Note If you make modifications to CATALOG.PUB.SYS, you will need to create a new coldload tape with the sysdump program in order to save your changes.

Record the Installation

Record the installation in the system logbook.

Re-enable SYSSTART File

Reinstate the original filename of SYSSTART as follows:

```
:RENAME filename,SYSSTART
```

Note The commands in your SYSSTART file will only be executed when you START (Warm or Cool) or LOAD (Update, Coldload or Reload) your system.

Restart the System

At this point, the system is set up so that in most cases, if the system was shutdown and restarted, the rest of the work listed below would be automatically accomplished. It is not a requirement that the system be restarted at this point, however most of the time it is the easiest way to get everything set to a known working state. If you do not feel comfortable with shutting down the system and doing a COOLSTART, then continue with the steps below to finish preparing the system for the users.

Restarting the Security Monitor

If you have Security Monitor, re-enable your security configuration as follows:

```
:RUN SECCONF
```

The program will display the MAIN MENU. Select option 0 (zero), EXIT. You will see:

```
Your security configuration changes will now take effect.
```

```
Thank you for using the Security Configurator.  
END OF PROGRAM
```

If you have Security Monitor, add the USERPASS=REQ option to any USERS which have had the option removed (refer to the worksheet). Do so by entering the following:

```
:ALTUSER username;USERPASS=REQ
```

Restart User Logging Processes

Restart logging processes you previously stopped as follows:

```
:LOG logid,START
```

Open the Data Communication Lines

Open the applicable communication lines as follows:

```
:LIMIT n,nn (n=jobs, nn=sessions)
```

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

Creating the Standalone Diagnostics

Creating the Standalone Diagnostics

There are two standalone diagnostics that might need to be created for your system. For all systems, there should be a DUS (Diagnostic Utility System) tape created and kept available for use by Hewlett-Packard Customer Engineers. For customers who have a S/68, S/67, or S/70 system with an HP150 or an HP2647F system console, there should also be a FLD (Fault Locating Diagnostic) flexible disk available. Either one or both of the diagnostics media can be created using the TUINSTAL program by specifying the DIAG entry point. However, this entry point can only be used if the system is on Release 30 or greater because the TUINSTAL program uses the MPE RUN command using the COMMAND Intrinsic. Therefore, if you are not on MPE Release 30 or later, you must perform the Turbo Update process before creating the standalone diagnostic media.

When the DIAG entry point is used, the TUINSTAL program will not perform any of the work needed to update MPE or any of the subsystem products. To create the standalone diagnostics, log onto the system as MANAGER.SYS,HPTUINST and issue the following command:

```
:RUN TUINSTAL,DIAG
```

When the DIAG entry point is used, the program will ask if you wish to create the DUS tape. If you do, follow the procedure in "Create the DUS Tape" later in this chapter. If you do not wish to create this tape or when the DUS tape has been successfully created, the program will test to see if you are using one of the system types that needs to create the FLD (S6X/7X). If you are using one of these system types, the program will ask if you want to create an FLD flexible disk. To create the FLD flexible disk, follow the procedure listed in "Create the FLD Disk" later in this chapter.

- Format a Cartridge Tape
- Format a Flexible Disk for an HP2647F
- Format a Flexible Disk for an HP150
- Create the DUS Tape
- Create the FLD Disk
- Create the FLD Disk on an HP2647F console
- Create the FLD Disk on an HP150 console

How to Format a Cartridge Tape

To format, scratch, or serialize a cartridge tape or to perform any combination of these items, use the VINIT utility. This utility is fully documented in the MPE V System Operation and Resource Management manual (P.N. 32033-90005). Listed below, however, is the information needed to make a cartridge tape ready to be used for a scratch tape for the SYSDUMP job streamed by the Turbo Update program and to use as a tape to create a DUS tape. This procedure should be performed from the system console.

1. Load the cartridge tape in the tape drive making sure the tape is write-enabled.
2. When the tape has loaded, notice the LDEV number displayed in the message on the system console.
3. Do the following MPE command:

```
:DOWN ldev (where ldev is the ldev number obtained in step 2.)
```
4. Run the VINIT utility by issuing the following command:

```
:VINIT
```
5. Issue the VINIT command to format the cartridge tape:

```
>FORMAT ldev (where ldev is the ldev number obtained in step 2.)
```
6. Issue the VINIT command to scratch the tape:

```
>SCRATCH ldev (where ldev is the ldev number obtained in step 2.)
```
7. Issue the VINIT command to mark the tape as a serial tape:

```
>SERIAL ldev (where ldev is the ldev number obtained in step 2.)
```
8. Exit the VINIT utility:

```
>EXIT (Note that the command cannot be abbreviated.)
```
9. Issue the following MPE command to make the tape drive accessible from the TUINSTAL program:

```
:UP ldev where ldev is the ldev number obtained in step 2.
```
10. The tape must be unloaded from the drive and loaded back into the drive before it can be used by the TUINSTAL program.

How to Format a Flexible Disk on an HP2647F Console.

Before you attempt to create the S64/68/70 FLD program on a flexible disk using an HP2647F console, you must format the disk as follows:

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

```
FORMAT VOLUME ON DISC#
```

4. Enter:

1

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

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

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

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

The flexible disk is now ready to be used by the TUINSTAL program to write the FLD test program.

How to Format a Flexible Disk on an HP 150 Console.

Before you attempt to create the S64/68/70 FLD program on a flexible disk using an HP150 console, you must format the disk as follows:

1. Ensure the disk is write-enabled and insert it in the drive.
2. Select the FORMAT option on the Personal Applications Manager (PAM) menu. Press **RETURN**.
3. A menu will prompt you to select Drive A or B. Type *B* and press **RETURN**.
4. You will be prompted to supply DISK LABEL. If you wish, you can type a name (perhaps for archiving purposes). This is optional, and won't interfere with creating the diagnostics. If you do not need a label, simply press **RETURN**.
5. Notice that the function keys now show a new set of options, Select the **START FORMAT** option. A message is displayed when the disk format is complete.

The flexible disk is now ready to be used by the TUINSTAL program to write the FLD test program.

Create the DUS Tape

To create the DUS tape, logon as follows:

```
:HELLO MANAGER.SYS,HPTUINST
```

```
:RUN TUINSTAL,DIAG
```

```
Do you want to make a DUS tape (Y/[N])? Y
```

The following will be displayed:

```
DUS COPY ROUTINE REVISION 1.09
```

```
ENTER MEDIA TYPE (FLOPPY DISC, CARTRIDGE TAPE, MAG TAPE):
```

Enter cart or mag as appropriate for your system

The following message will be displayed:

```
INSTALL SCRATCH TAPE.
```

```
Reply to 'MTAPE' on the system console.
```

Mount the tape as requested, using a 1200' or 2400' tape, and place the drive online.

On the system console, issue the following command (where "pin" is the process identification number from the I/O request on the system console and "ldev" is the logical device number of the tape drive where the tape was mounted):

```
=REPLY pin,ldev
```

The following message will be displayed:

```
BEGIN TRANSFER OF DATA.
```

```
OPENED FILE:  TAPEDUS.HP32231.SUPPORT           or CARTDUS.HP32231.SUPPORT  
THE DUS DATECODE IS 3303
```

```
BEGIN VERIFICATION OF DATA
```

```
END OF PROGRAM
```

When the DUS tape is created, label the tape:

```
DUS TAPE datecode
```

Where the *datecode* is the one displayed in the datecode message.

Create the FLD Disk

The procedures for creating the FLD differ, depending on which terminal you are using as the system console, the HP 2647F, or the HP 150. To start the process of creating the FLD, do the following steps (you will not do the :HELLO command if you have just created the DUS tape):

```
:HELLO MANAGER.SYS,HPTUINST  
:RUN TUINSTAL,DIAG  
Do you want to make a DUS tape (Y/[N])?  N  
Do you want to make an FLD disk (Y/[N])?  Y
```

Creating Diagnostics on the HP2647F

The following are instructions for creating the FLD using an HP2647F terminal as a system console.

If you are going to create the FLD on an HP2647F, you may want to read through the dialog of the FLDCOPY program shown below. The dialog gives specific instructions. The appropriate responses are shown.

The program FLDCOPY.HP32342.SUPPORT will then be running to create the FLD disk. The output of this program will look as follows:

This utility program is intended to make copies of Fault Locating Diagnostics (binary) to HP9164-0128 flexible disc media by using the HP2647F 3000/64 System Console.

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

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

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

TYPE 'GO' TO CONTINUE: GO

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

1. press **BREAK**
2. press **ESC** & **:** keys (turn on terminal echo)
3. type **ABORT** **RETURN**
4. type **RUN CBON** **RETURN** (enable control B)
5. type **CONSOLE 20** **RETURN** (switch System Console back)

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

What is the name of the permanent file? S64FLDS

Do you want instructions to prepare the T0 disc for copying? NO

Press **RETURN** when the disc is ready and inserted

Do not enter anything on the keyboard until the following prompt is displayed:

Do you want to make another copy?

The values given in the example below may differ from those on your display.

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

```
3 RECORDS RECORDED, FILE 1  
7 RECORDS RECORDED, FILE 2  
16 RECORDS RECORDED, FILE 3  
15 RECORDS RECORDED, FILE 4  
14 RECORDS RECORDED, FILE 5  
6 RECORDS RECORDED, FILE 6  
3 RECORDS RECORDED, FILE 7  
90 RECORDS RECORDED, FILE 8  
121 RECORDS RECORDED, FILE 9  
97 RECORDS RECORDED, FILE 10  
65 RECORDS RECORDED, FILE 11  
146 RECORDS RECORDED, FILE 12  
10 RECORDS RECORDED, FILE 13  
170 RECORDS RECORDED, FILE 14  
14 FILES COPIED.
```

```
WRITE COMPLETED
```

```
Do you want to make another copy?
```

* To make another copy, reply YES

The following prompt will be displayed:

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

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

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

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

Creating Diagnostics on the HP2647F Terminal

The following are the instructions for creating the FLD using an HP2647F terminal as a system console.

You may want to read through the dialog of the FLDCOPY program shown below. The dialog gives specific instructions. The appropriate responses are shown.

The following dialog will be displayed:

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

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

TYPE 'GO' TO CONTINUE: GO

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

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

1. press (break to MPE)
2. press (turn on terminal echo)
3. type ABORT (abort FLDCOPY)

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

What is the name of the permanent file? S64FLDS

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

NO

Press when disc is ready and inserted.

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

BEGIN WRITE (approximately 15 minutes)

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

To make another copy, reply *YES*.

You will be prompted:

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

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

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

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

Appendix A

Purchased Products That Are Updated

The following purchased products have changes on this version of the Turbo Update Master tape. The Turbo Update process will only update the products that exist on your system. Also, you may not recognize some of the listed products as products that you have directly purchased. This is because some of the products are dependent products. Dependent products are products that two or more regularly purchased products depend on and therefore are handled by the Turbo Update process as separate products. The Turbo Update program (TUINSTAL.HPTUINST.SYS) tells you what products are being updated. Do not be alarmed if you do not recognize some of the products since they are probably these dependent products. Also, as a record of what subsystems were updated by the Turbo Update process, look at the file TUSWINFO.HPTUINST.SYS or in the file HPSWINFO.PUB.SYS.

Following is a list of the subsystems that have changed files or system SL segments on the Turbo Update master tape. They are grouped according to the MPE V Release where the product was changed. Note that all of the changes are included in the Release 40 Turbo Update tape.

All of the files which were changed on Release 2P have been changed in subsequent releases. Therefore, there is no reference to Release 2P in this list.

```

PRODUCTS CHANGED ON RELEASE 40 G.40.00 DATECODE: 3532
Product Name      Product #  VV.UU.FF
-----
Bus.BasiC Assembly ASSYBBH   A.01.03
Bus.BasiC Assembly ASSYBBT   A.01.02
BSTORE DATABASE   BSTORE    G.40.00
CS/INP DOWNLOAD   HP30131   A.55.50
MPE OPERATING SYST HP32002   G.13.00
MPE OPERATING SYS  HP32033   G.13.00
MODCAL LIB        HP32047   A.00.04
RPG               HP32104   A.08.10
HP BUSINESS BASIC HP32115   A.02.12
FORTRAN 77        HP32116   A.02.09
OPT/3000          HP32238   A.00.33
RAPID/INFORM      HP32246   A.10.00
RAPID/TRANSACT    HP32247   A.10.02
Transact          RAPIDO    A.10.02
Transact          RAPID1    A.10.02

```

PRODUCTS CHANGED SINCE RELEASE 3P G.3P.00 DATECODE: 3419

Product Name	Product #	VV.UU.FF
IMF/3000 SNA IMF	DCSIMF	A.53.13A
DS COMMON MODULES	DSCOMMON	B.56.09B
ERROR MSG. HELP	EXPLAIN	A.01.01
FORMATTER GROUP	FMT	A.01.23A
HP SRC/V	HP30234	A.01.20
DSN/SNA NRJE	HP30245	A.70.06B
SNA IMF	HP30247	A.53.13A
IMF/3000	HP30250	A.53.13
DS NETWORK SERVICE	HP32185	B.56.09D
X.25 NETWORK LINK	HP32187	B.56.09B
EDITOR	HP32201	A.09.00
KSAM INTRINSICS	HP32208	A.05.12B
FCOPY	HP32212	A.05.03
SORT/MERGE	HP32214	C.05.11B
HPIB DIAG.(DUS)	HP32231	3303B
ON LINE DIAGNOSTIC	HP32340	2719B
NETWORK TRANSPORT	HP32343	A.01.23G
NS/3000	HP32344	A.00.16A
HP NETDELIVERY/V	HP32346	A.02.06A
NLS/3000	HP32414	A.03.09B
HP BRW/V	HP36070	A.02.83
HP GLANCE/V	HP50733	B.01.02B
HP PREDICTIVE	HP51467	A.02.07
NODE MGMT.SERVICES	NMS	A.01.23
NS CORE	NSC	A.00.16A
NSPAD SERVICE	NSPAD	A.00.16A
HPDesk Components	NWOMAIL	A.04.00
RPM	RPM	A.00.16A
VT ONLY	VTO	A.00.16A
X.25 PROTOCOL MDL	X25PM	A.01.23B

PRODUCTS CHANGED SINCE RELEASE 31 G.31.00 DATECODE: 3330

Product Name	Product #	VV.UU.FF
Information Access	ACCESSV	A.06.05
NWO (Access)	B1726B	A.06.05
Perf Collector V	B1793B	B.00.04
CCSY ACCESS SVR	B3161A	A.06.05
TurboSTORE	HP30167	A.00.14
MPE SEGMENTER	HP32050	A.03.11
BASIC	HP32101	B.00.24A
PASCAL	HP32106	A.01.32
HPLISTKEEPER	HP32132	A.03.23
ADCC	HP32196	G.51.51
VPLUS/3000	HP32209	B.06.05
TURBO IMAGE	HP32215	C.01.01
RAPID/PROCESSOR	HP32249	A.09.02
HI-LI	HP32424	A.00.11

HP BRW-DESK/V	HP35365	A.00.03
HPSLATE	HP36576	A.05.03
TDP	HP36578	A.05.05
INP DOWNLOAD	INPDLL	A.02.42
INP DRIVER	IOINP	A.55.42
INP DRIVER	IOINP1	A.55.42
LINK SUPPORT	LSS	B.02.23A
RAPID2	RAPID2	A.09.02

PRODUCTS CHANGED SINCE RELEASE 30 G.30.00 DATECODE: 3248

Product Name	Product #	VV.UU.FF
--------------	-----------	----------

HPDESKOMGATE	HP27567	A.00.04
COMPILER LIB	HP32211	D.01.11
QUERY	HP32216	C.02.22
COBOL LIB	HP32232	A.03.04
COBOL II	HP32233	A.02.05
HP-COLOSSUS	HP35074	A.00.06
DECHANGE	HP36020	A.01.03



Appendix B

Accounting Structures Used

Following is a list of accounts and groups that may have been created on your systems, or if they already existed, the capabilities and/or access specifications may have been altered to HP specifications. These accounts and/or groups will be created and/or modified even though you do not have any products that use these accounting structures.

Account	Group
HPPL85	HP36576 HP36578
HPPL87	HP30245 HP30247
HPPL89	HP32115
ITF3000	BRWEXEC BRWONLNE BRWSPEC
SUPPORT	HP32231 HP32340 HP32342
SYS	APPC CONVALL HPMAIL HPMMGR HPTUINST NET NRJE PPC SCOPE USL



Error Messages and Warnings

This appendix contains the error messages that could be displayed by the TUINSTAL program, the cause of the error, and a suggested course of action to be take in order to correct the problem.

ERROR #: TUERR1

MESSAGE This error message is reserved for future use and is not currently used. (TUERR 1)

ERROR #: TUERR2

MESSAGE Error reading message catalog. TUINSTAL Terminating (TUERR 2)

CAUSE An I/O error occurred while trying to read the message catalog (TUCAT000.HPTUINST.SYS) for the TUINSTAL program.

ACTION Restore the file from the Turbo Update Master tape and try the TUINSTAL program again.

ERROR #: TUERR3

MESSAGE File TUCAT000 is not a GENCAT formatted file. (TUERR 3)

CAUSE The file TUCAT000.HPTUINST.SYS has been replaced with a file that is not an NLS (Native Language Support) formatted message catalog file.

ACTION Restore the file from the Turbo Update Master tape and try the TUINSTAL program again.

ERROR #: TUWARN4

MESSAGE Cannot open localized TUINSTAL message catalog. (TUWARN 4)

CAUSE An NLS (Native Language Support) language other than default (0) is configured on the system as the default language and

a corresponding localized language message catalog file (TUCATxxx.HPTUINST.SYS where xxx = the default configured language) does not exist.

ACTION No specific action is required. The TUINSTAL program will try to open the default message catalog file TUCAT000.

ERROR #: TUERR5

MESSAGE Cannot open TUCAT000, TUINSTAL terminating. (TUERR 5)

CAUSE The TUINSTAL program message catalog file TUCAT000.HPTUINST.SYS does not exist.

ACTION Restore the file from the Turbo Update Master tape and try the TUINSTAL program again.

ERROR #: TUWARN6

MESSAGE Open of localized catalog TUCATxxx failed. Opening TUCAT000. (TUWARN 6)

CAUSE The TUINSTAL program tried to open an NLS (Native Language Support) localized message catalog file when the NLS configured language is a language other than default (0) and couldn't open the localized file. The TUINSTAL program then tries to open the default message catalog file TUCAT000.

ACTION NONE - This is just an informative message in case the user expected to be using an NLS localized message catalog file.

ERROR #: TUERR7

MESSAGE Error writing to \$STDLIST, TUINSTAL terminating. (TUERR 7)

CAUSE An I/O error occurred while trying to write to the \$STDLIST device specified for the TUINSTAL program.

ACTION No specific action can be suggested here. If required, call your HP field service representative to help identify the problem and run the TUINSTAL program again.

ERROR #: TUERR8

MESSAGE Error closing message catalog. (TUERR 8)

CAUSE An error occurred while trying to close the TUINSTAL program

message catalog file (TUCAT000.HPTUINST.SYS or other NLS localized catalog file).

ACTION Other file system information should have also been printed on the terminal. Analyze this information, take appropriate action, and run the TUINSTAL program again if there is any indication that the program did not end in a normal manner.

ERROR #: TUERR9

MESSAGE Unable to read from \$STDINX - TUINSTAL Terminating (TUERR 9)

CAUSE An I/O error occurred while trying to read from the \$STDIN device for the TUINSTAL program.

ACTION No specific action can be suggested here. If required, call your HP field service representative to help identify the problem and run the TUINSTAL program again.



ERROR #: TUWARN10

MESSAGE WARNING: Disk caching is installed but not enabled. TUINSTAL will run 20-40% slower without caching enabled. (TUWARN 10)

CAUSE The TUINSTAL program has determined that disk caching is installed on your system, but was unable to start disk caching on LDEV 1.

ACTION Manually enable disk caching on all disks before running TUINSTAL, by using the STARTCACHE MPE command.

ERROR #: TUWARN11

MESSAGE WARNING: This system does not have disk caching installed. TUINSTAL will run approximately 20-40% slower. (TUWARN 11)

CAUSE The TUINSTAL program has determined that the disk caching product is not installed on your system.

ACTION None. If you believe that the disk caching product (HP30539) should be installed, contact your HP Support Representative.

ERROR #: TUWARN12

MESSAGE CACHING STARTED ON LDEV 1. (TUWARN 12)

CAUSE The TUINSTAL program has determined that the disk caching product is installed on your system, but caching was not enabled for logical device 1 (the system disk). The

TUINSTAL program has started caching on logical device 1.

NOTE: You may want to ensure that disk caching is enabled on all of your disk drives before running TUINSTAL.

ACTION NONE - This is just an informative message.

ERROR #: TUWARN13

MESSAGE TUINSTAL was unable to START/STOP the SEGMENTER process SEGPROC.PUB.SYS. See TULOGFIL.HPTUINST.SYS for the error messages. (TUWARN 13)

CAUSE An error occurred when the TUINSTAL program attempted to START or STOP the SEGMENTER process. Additional error messages can be found in the file TULOGFIL.HPTUINST.SYS.

ACTION Other file system information should have been logged in the file TULOGFIL.HPTUINST.SYS. Analyze this information, take appropriate action, and run the TUINSTAL program again. If required, call your HP field service representative to help identify the problem and run the TUINSTAL program again.

ERROR #: TUERR14

MESSAGE This error message is reserved for future use and is not currently used. (TUERR 14)

ERROR #: TUERR15

MESSAGE This error message is reserved for future use and is not currently used. (TUERR 15)

ERROR #: TUERR16

MESSAGE This error message is reserved for future use and is not currently used. (TUERR 16)

ERROR #: TUERR17

MESSAGE This error message is reserved for future use and is not

currently used. (TUERR 17)

ERROR #: TUERR18

MESSAGE This error message is reserved for future use and is not currently used. (TUERR 18)

ERROR #: TUERR19

MESSAGE This error message is reserved for future use and is not currently used. (TUERR 19)

ERROR #: TUERR20

MESSAGE The following command could not be executed by MPE (TUERR 20)

CAUSE The TUINSTAL program tried to issue an MPE command through the COMMAND Intrinsic and the command got an MPE error.

ACTION TUERR 21 will be issued along with this message giving the CIERR number. Take appropriate corrective action according to the CIERR listed and run the TUINSTAL program again.

ERROR #: TUERR21

MESSAGE COMMAND ERROR #! OCCURRED (TUERR 21)

CAUSE The TUINSTAL program tried to issue an MPE command through the COMMAND Intrinsic and the command got an MPE error.

ACTION TUERR 20 will be issued along with this message. Take appropriate corrective action according to the CIERR listed and run the TUINSTAL program again.

ERROR #: TUERR22

MESSAGE The DIAG entry point cannot be used on this version of MPE (TUERR 22)

CAUSE The version of MPE you are currently running is Release 30 or earlier and does not support using the MPE RUN command through the COMMAND Intrinsic.

ACTION Use the Turbo Update Master Tape to update the system to the latest released version of MPE and rerun the TUINSTAL program using the DIAG entry point.

ERROR #: TUWARN23

MESSAGE If using a cartridge tape, it must be formatted first.
(TUWARN 23)

CAUSE If you are using a cartridge tape, the tape must be formatted and serialized and marked as a scratch tape before it can be used by the TUINSTAL program.

ACTION Use the VINIT subsystem to format, serialize, and scratch the cartridge tape. Instructions for formatting cartridge tapes are included in chapter 5 of this manual or in the MPE Operation and Resource Management manual (P.N. 32033-90005).

ERROR #: TUWARN24

MESSAGE If using an HP150/HP2647F, the flexible disk must be formatted first. (TUWARN 24)

CAUSE If you are using a flexible disk, the disk must be formatted before it can be used by the TUINSTAL program.

ACTION Instructions for formatting flexible disks are included in chapter 5 of this manual.

ERROR #: TUERR25

MESSAGE Disk error accessing sysdump/initial Comm Record. (TUERR 25)

CAUSE A disk error occurred while trying to access the SYSDUMP/Initial Communications Record while trying to update the MPE VUF.

ACTION There is a possibility that you will have to reload your system. If you did not back up your system before starting to accomplish the Turbo Update process, you should do so at this time. DO NOT SHUTDOWN YOUR SYSTEM. Call Hewlett-Packard to have your disks checked out as soon as possible.

ERROR #: TUERR26

MESSAGE This error message is reserved for future use and is not currently used. (TUERR 26)

ERROR #: TUERR27

MESSAGE This error message is reserved for future use and is not currently used. (TUERR 27)

ERROR #: TUERR28

MESSAGE The Turbo Update tape has NOT been successfully restored. Check the messages that were displayed during the retrieval of the Turbo Update files to determine the appropriate action to take. (TUERR 28)

CAUSE The cause of this error should have been displayed on the system console. Other causes could include a power failure on either the system or tape drive.

ACTION Examine the displayed error messages, take corrective action as appropriate, and restart the TUINSTAL program. If files for the DS/3000 or NRJE subsystems are not restored because they are in use, then you must coolstart the system to deactivate the programs. Ensure that no commands are executed after the coolstart that will enable any network subsystems (DSCNTROL, NETCONTROL, etc.)

ERROR #: TUERR29

MESSAGE An error has occurred trying to open the tape file on ldev or class "!". Correct the error and run TUINSTAL again. (TUERR 29)

CAUSE The cause of this error should have been displayed on the system console. Other causes could include a power failure on either the system or tape drive.

ACTION Examine the displayed error messages, take corrective action as appropriate, and restart the TUINSTAL program.

ERROR #: TUERR30

MESSAGE The Turbo Update tape that was mounted on the tape drive does not match the version of the Turbo Update data files. (TUERR 30)

CAUSE The Turbo Update Master Tape mounted is not the same version as the TUINSTAL program. This could be caused by the TUINSTAL program not being successfully restored from the front of the Turbo Update Master Tape.

ACTION Restore the files from the front of the Turbo Update Master

Tape again. Be sure to use the ';SHOW' option on the :RESTORE command and verify that all of the files are restored and rerun the TUINSTAL program.

ERROR #: TUERR31

MESSAGE The Turbo Update files must be restored into the HPTUINST.SYS group. (TUERR 31)

CAUSE The files from the front of the Turbo Update Master Tape were not restore into the HPTUINST.SYS group.

ACTION If the HPTUINST.SYS group does not exist with the proper capabilities, create the group using the NEWGROUP command, restore the files from the front of the Turbo Update Master Tape, and rerun the TUINSTAL program.

ERROR #: TUERR32

MESSAGE The tape mounted on the tape drive is not a Turbo Update format tape. Please mount the correct tape, and run TUINSTAL again. (TUERR 32)

CAUSE A tape other than the Turbo Update Master Tape was mounted on the tape drive (perhaps a scratch tape in preparation of the sysdump operation).

ACTION Remount the Turbo Update Master Tape and rerun the TUINSTAL program.

ERROR #: TUERR33

MESSAGE This error message is reserved for future use and is not currently used. (TUERR 33)

ERROR #: TUERR34

MESSAGE This error message is reserved for future use and is not currently used. (TUERR 34)

ERROR #: TUERR35

MESSAGE This error message is reserved for future use and is not currently used. (TUERR 35)

ERROR #: TUERR36

MESSAGE This error message is reserved for future use and is not currently used. (TUERR 36)

ERROR #: TUERR37

MESSAGE "!" is not a configured Device Class name. (TUERR37)

CAUSE The device class entered for the Turbo Update Master tape restore device OR for the TUSYSDMP job output does not exist in your system configuration.

ACTION Enter a device class name that is configured for the tape device that you will use.

ERROR #: TUERR38

MESSAGE A : is an invalid response to Ldev or Class number. (TUERR 38)

CAUSE A : was entered in response to a question asking for an Ldev number or a Class name, perhaps to try to issue an MPE command. The TUINSTAL program does not allow issuing MPE commands in response to a question.

ACTION Enter the information requested. If you do need to issue an MPE command, the TUINSTAL program must be terminated. Since BREAK is disabled at this point, the program can be terminated by issuing the MPE command :EOD. To restart the Turbo Update process, rerun the TUINSTAL program.

ERROR #: TUERR39

MESSAGE This error message is reserved for future use and is not currently used. (TUERR 39)

ERROR #: TUERR40

MESSAGE TUINSTAL logon must be MANAGER.SYS,HPTUINST. (TUERR 40)

CAUSE The TUINSTAL program was run without the current logon being MANAGER.SYS,HPTUINST.

ACTION Re-logon using the logon of MANAGER.SYS,HPTUINST.

ERROR #: TUERR41

MESSAGE This error message is reserved for future use and is not

currently used. (TUERR 41)

ERROR #: TUERR42

MESSAGE This error message is reserved for future use and is not currently used. (TUERR 42)

ERROR #: TUERR43

MESSAGE TUINSTAL must be run from the system console. (TUERR 43)

CAUSE The TUINSTAL program was run from a terminal that was not the system console.

ACTION Rerun the TUINSTAL program from the system console.

ERROR #: TUERR44

MESSAGE *WARNING -- THIS SYSTEM DOES NOT HAVE ENOUGH DISK SPACE ON LDEV 1. FOR TUINSTAL TO CONTINUE "!" CONTIGUOUS SECTORS ARE REQUIRED ON LDEV 1. (TUERR 44)

CAUSE Logical Device 1 does not have enough contiguous sectors of disk space to complete the SYSDUMP and UPDATE operation.

ACTION Delete files residing on LDEV 1 or move them to other disk drives on the system then rerun the TUINSTAL program.

ERROR #: TUERR45

MESSAGE This error message is reserved for future use and is not currently used. (TUERR 45)

ERROR #: TUERR46

MESSAGE This error message is reserved for future use and is not currently used. (TUERR 46)

ERROR #: TUERR47

MESSAGE TUINSTAL cannot be run in JOB mode. (TUERR 47)

CAUSE A job was created that tried to run the TUINSTAL program. The TUINSTAL program can only be run from a session on the console logged onto MANAGER.SYS,HPTUINST.

ACTION Run the TUINSTAL program from a session.

ERROR #: TUERR48

MESSAGE TUINSTAL requires 0 JOBS and 1 SESSION to be logged on.
(TUERR 48)

CAUSE Either one or more jobs or one or more sessions other than the one on the system console being used to run the TUINSTAL program is logged onto the system. If any jobs or sessions are logged onto the system while the TUINSTAL program is running, the program might not be able to do all operations correctly.

ACTION Stop all jobs running using the MPE ABORTJOB command and take appropriate action to get all sessions logged off of the system. Then, rerun the TUINSTAL program.

ERROR #: TUERR49

MESSAGE TUINSTAL cannot be run on an MPE iX system. (TUERR 49)

CAUSE The TUINSTAL program is being run on an MPE iX system. The TUINSTAL program is only intended to install software on MPE V systems running Release 2P or later.

ACTION The TUINSTAL program cannot be run on MPE iX systems.

ERROR #: TUERR50

MESSAGE TUINSTAL requires a Series 37,4X,5X,6X,70 or Micro. (TUERR 50)

CAUSE The TUINSTAL program is being run on an MPE IV system. The TUINSTAL program is only intended to install software on MPE V systems running Release 2P or later.

ACTION The TUINSTAL program cannot be run on MPE IV systems (SII/III/30/33).

ERROR #: TUERR51

MESSAGE TUINSTAL requires MPE V version 2P or later. (TUERR 51)

CAUSE The TUINSTAL program is being run on an MPE V system that is currently running a version of MPE V that is earlier than release 2P.

ACTION Use the AUTOINST process to install a version of MPE V that is Release 2P, 30, 31, or 3P. Then, rerun the TUINSTAL program.

ERROR #: TUERR52

MESSAGE File system error attempting to open SL.PUB.SYS. (TUERR 52)

CAUSE A file system error occurred while attempting to FOPEN the file SL.PUB.SYS. Other file information should be displayed on the system console along with this message helping to identify the specific error.

ACTION Take appropriate action as indicated by the information on the system console and rerun the TUINSTAL program.

ERROR #: TUERR53

MESSAGE FGETINFO error on SL.PUB.SYS. (TUERR 53)

CAUSE A problem occurred when the FGETINFO Intrinsic was called to get information about the size of the file SL.PUB.SYS. Other file information should be displayed on the system console along with this message helping to identify the specific error.

ACTION Take appropriate action as indicated by the information on the system console and rerun the TUINSTAL program.

ERROR #: TUERR54

MESSAGE File System error closing SL.PUB.SYS. (TUERR 54)

CAUSE A file system error occurred while attempting to FCLOSE the file SL.PUB.SYS. Other file information should be displayed on the system console along with this message helping to identify the specific error.

ACTION Take appropriate action as indicated by the information on the system console and rerun the TUINSTAL program.

ERROR #: TUERR55

MESSAGE TUINSTAL was run as "!", but must be run as TUINSTAL.HPTUINST.SYS. (TUERR 55)

CAUSE The program file TUINSTAL.HPTUINST.SYS has been renamed.

ACTION Rename the file back to the name TUINSTAL.HPTUINST.SYS and rerun the TUINSTAL program.

ERROR #: TUERR56

MESSAGE This system does not have job streaming enabled. Please issue the STREAMS command and run TUINSTAL again. (TUERR 56)

CAUSE The MPE STREAMS command has not been issued on the system console, so jobs cannot be streamed.

ACTION Issue the MPE STREAMS command to enable the MPE input spooling facility and rerun the TUINSTAL program.

ERROR #: TUERR57

MESSAGE This error message is reserved for future use and is not currently used. (TUERR 57)

ERROR #: TUERR58



MESSAGE This error message is reserved for future use and is not currently used. (TUERR 58)

ERROR #: TUERR59

MESSAGE Creation of TUTAPE.HPTUINST.SYS failed. Create error = !. (TUERR 59)

CAUSE An error occurred when the TUINSTAL program tried to create and activate the program TUTAPE.HPTUINST.SYS. The error number is displayed as part of the message.

ACTION Take appropriate action as indicated by the error number displayed as part of the error message and rerun the TUINSTAL program.

ERROR #: TUERR60

MESSAGE This error message is reserved for future use and is not currently used. (TUERR 60)

ERROR #: TUERR61

MESSAGE Data file "!" is missing. (TUERR 61)

CAUSE One of the data files from the front of the Turbo Update Master Tape did not get restored from the tape. The name of the file will be inserted as part of the message.

ACTION Restore the files from the Turbo Update Master Tape using the ';SHOW' option of the RESTORE command and verify that the files are all restored from the tape. Then, rerun the TUINSTAL program.

ERROR #: TUERR62

MESSAGE TUINDIR could not be created due to invalid "!". (TUERR 62)

CAUSE An error occurred while trying to create the file TUINDIR.HPTUINST.SYS. Additional information about the error is included as part of the message and could possibly appear as additional messages on the system console.

ACTION Take appropriate action as indicated by the error message(s) and rerun the TUINSTAL program.

ERROR #: TUERR63

MESSAGE TUSYSDMP could not be created due to invalid "!". (TUERR 63)

CAUSE An error occurred while trying to create the file TUSYSDMP.HPTUINST.SYS. Additional information about the error is included as part of the message and could possibly appear as additional messages on the system console.

ACTION Take appropriate action as indicated by the error message(s) and rerun the TUINSTAL program.

ERROR #: TUERR64

MESSAGE TUSYSDMP could not be streamed due to CIERR !. (TUERR 64)

CAUSE An error occurred when the TUINSTAL program tried to stream the job file TUSYSDMP.HPTUINST.SYS. The error number is displayed as part of the message.

ACTION Take appropriate action as indicated by the error number displayed as part of the error message and using the MPE STREAM command, restream the job file TUSYSDMP.HPTUINST.SYS.

ERROR #: TUERR65

MESSAGE Data file "!" is invalid. (TUERR 65)

CAUSE One or more of the files on the HPTUINST.SYS group are not the same version as the TUINSTAL program. This could be caused by one or more of the files not being restored from the front of the Turbo Update Master Tape.

ACTION Restore the files from the front of the Turbo Update Master Tape. Be sure to use the ';SHOW' parameter with the RESTORE command and verify that the files are restored. Then, rerun the TUINSTAL program.

ERROR #: TUERR66

MESSAGE Subsystem search failed due to invalid data file "!".
(TUERR 66)

CAUSE One of the data files from the front of the Turbo Update Master Tape is not a correct file. The name of the file will be inserted as part of the message.

ACTION Restore the files from the front of the Turbo Update Master Tape. Be sure to use the ';SHOW' parameter with the RESTORE command and verify that the files are restored. Then, rerun the TUINSTAL program.

ERROR #: TUERR67

MESSAGE Could not create TUSWINFO file. (TUERR 67)

CAUSE An error occurred while trying to create the file TUSWINFO.HPTUINST.SYS. Additional information about the error is included as part of the message and could possibly appear as additional messages on the system console.

ACTION Take appropriate action as indicated by the error message(s) and rerun the TUINSTAL program.



Copying the Turbo Update Master Tape

The TUCOPY Program

The TUCOPY program copies the Turbo Update Master Tape. It does this by either

1. copying from tape to tape, or
2. making a copy of the image of the tape to a large disk file on the system and then copying the tape image back to a tape.

This allows copying the tape on a system that only has one tape drive or copying the tape to a tape media different than the type of media on which you received the Turbo Update Master Tape.

The TUCOPY program has one special entry point called LOCALIZE which allows adding a localized message catalog to the front part of the Turbo Update Master Tape. Procedures for localizing the TUINSTAL message catalog and for using the entry point are in this appendix after the following procedures for using the TUCOPY program without the entry point.

The TUCOPY program is a modified version of the STORCOPY utility. You will be prompted to select an INPUT file and an OUTPUT file. You may enter a carriage return at either prompt to select a tape file. If a Turbo Update tape has already been read into a disk file, you can supply the disk file name as the input file and carriage return as the output file to make a copy to tape. A file equation may be issued to override the default specifications, as follows:

Note

You only need to issue a file equation to override the default specifications. For example, if you want to use a cartridge tape as the input file, you should issue a file equation with either the ldev number of the cartridge tape OR a device class name (such as CTAPE) that is configured for the cartridge tape drive that you would like to use.

If the tape device you are copying to/from does not have device class name tape configured, you must issue a file equation.

Input file default specifications:

```
FILE INPUT;DEV=TAPE;REC=8192
```

or if a disk file name is entered at the SELECT INPUT FILE prompt,

```
FILE INPUT=filename,(OLD or TEMP)
```

Note

Do not add any parameters other than file name and file domain to a file equation for a disk file.

Output file default specifications:

FILE OUTPUT;DEV=TAPE;REC=8192 (or 4096 if 1600 BPI)

or if a disk file name is entered

FILE OUTPUT=filename,NEW;SAVE

To make a copy using INPUT from a tape device, to OUTPUT on disk, you would not need to issue a file equation, just enter the disk file name that you would like to use at the select output file prompt.

Note Do not add any parameters other than file name and file domain to a file equation for a disk file.

To access this information, just press the Enter key to display the information about the next item or enter the item name as shown in the brackets:

Running the TUCOPY Program
Installing the Localized Message Catalog
Localizing the TUINSTAL Message Catalog

Running the TUCOPY Program

To make a copy of the Turbo Update Master Tape without adding a localized message catalog file, do the following:

To make a disk copy of the Turbo Update Master Tape, or to do a copy from tape to tape:

1. Log onto MANAGER.SYS,HPTUINST.
2. Enter a file equation for the INPUT file. This is normally the Turbo Update Master tape the first time the program is run. You would normally copy from the Turbo Update Master tape to a disk file, unless you have more than 1 tape device.

If your input is from a device that does not have device class name 'TAPE' configured on it, or if it is a 9140/9144/9145 cartridge tape, issue a file equation for file INPUT. For example, if the INPUT is from a cartridge tape device with device class name CTAPE configured, you would issue the INPUT file equation as follows:

```
:FILE INPUT;DEV=CTAPE
```

You could also use the logical device number in place of the class name as follows:

```
:FILE INPUT;DEV=7
```

If your input is from a previously created disk file, you do not need to issue a file equation.

3. Enter a file equation for the OUTPUT file. This would normally be a disk file name to copy the Turbo Update Master tape into. If you have more than 1 tape drive, you can copy from tape to tape. If you have 2 different types of tape drives (a cartridge tape and a 6250 BPI 1/2" reel tape, for example) you can still copy from tape to tape.

If your output is to a device that does not have device class name TAPE configured on it, or if it is a 9140/9144/9145 cartridge tape, issue a file equation for file OUTPUT. For example, if the OUTPUT is to a cartridge tape device with device class name CTAPE configured, you would issue the OUTPUT file equation as follows:

```
:FILE OUTPUT;DEV=CTAPE
```

You could also use the logical device number in place of the class name as follows:

```
:FILE INPUT;DEV=7
```

If your output is to a disk file that you are going to create, you do not need to issue a file equation.

4. Issue the following command to run the TUCOPY program:

```
:RUN TUCOPY
```

5. If you select a disk file for output, and a disk file already exists with the name that you specified, the TUCOPY program will ask if you want to purge the OUTPUT file. If it is ok to purge the disk file, enter a Y. The TUCOPY program will purge the old disk file and create a new disk file with the name you specified. If you do NOT want to purge the old disk file, enter either an N or just a carriage return. The TUCOPY will prompt you for the OUTPUT file again. Enter a filename for the OUTPUT file that is not the same as an already existing disk file.
6. Answer the I/O request on the system console for INPUT and/or OUTPUT with the information requested.
7. If copying to a disk file, the Turbo Update Master tape will be read into the disk file name selected, and the TUCOPY program will complete with an END OF PROGRAM message.
If a tape to tape copy was done, the TUCOPY program will terminate with an END OF PROGRAM message if no errors occurred.
8. If a disk file was created, repeat steps 2 thru 7 above, but use the file name entered for the OUTPUT file as the INPUT file, and a carriage return for the OUTPUT file. (Be sure and issue a file equation for OUTPUT if the tape device does NOT have device class name *TAPE* configured).
9. After the copy is made, answer the question as to whether or not you want to make another copy. Enter either a N or just a carriage return will terminate the TUCOPY program. If you want to make another copy, answer the question with a Y. Then, repeat steps 7 through this step.

Installing the Localized Message Catalog

To make a copy of the Turbo Update Master Tape and at the same time add a localized message catalog file (there is a limit of only one localized message catalog file that can be added), do the following:

Note You can only use the LOCALIZE entry point when copying from the original Turbo Update Master Tape. Your INPUT must be from the Turbo Update Master Tape. You can output to either a disk file or to another tape device.

1. Log onto MANAGER.SYS,HPTUINST.
2. Enter a file equation for the INPUT file.

This is **MUST** be the Turbo Update Master Tape in order to use the localize entry point.

If your input is from a device that does not have device class name *TAPE* configured on it, or if it is a 9140/9144/9145 cartridge tape, issue a file equation for file INPUT. For

example, if the INPUT is from a cartridge tape device with device class name CTAPE configured, you would issue the INPUT file equation as follows:

```
:FILE INPUT;DEV=CTAPE
```

You could also use the logical device number in place of the class name as follows:

```
:FILE INPUT;DEV=7
```

3. Enter a file equation for the OUTPUT file.

This would normally be a disk file name to copy the Turbo Update Master tape into. If you have more than 1 tape drive, you can copy from tape to tape. If you have 2 different types of tape drives (a cartridge tape and a 6250 BPI 1/2" reel tape, for example) you can still copy from tape to tape.

If your output is to a device that does not have device class name TAPE configured on it, or if it is a 9140/9144/9145 cartridge tape, issue a file equation for file OUTPUT. For example, if the OUTPUT is to a cartridge tape device with device class name CTAPE configured, you would issue the OUTPUT file equation as follows:

```
:FILE OUTPUT;DEV=CTAPE
```

You could also use the logical device number in place of the class name as follows:

```
:FILE INPUT;DEV=7
```

If your output is to a disk file that you are going to create, you do not need to issue a file equation.

4. Issue the following command to run the TUCOPY program:

```
:RUN TUCOPY,LOCALIZE
```

5. The TUCOPY program will prompt you for the name of the already localized message catalog. It must start with 'TUCAT' followed by the 3 digit language number (for example TUCAT007 for a catalog localized in FRENCH).
6. If you select a disk file for output, and a disk file already exists with the name that you specified, the TUCOPY program will ask if you want to purge the OUTPUT file. If it is ok to purge the disk file, enter a Y. The TUCOPY program will purge the old disk file and create a new disk file with the name you specified. If you do NOT want to purge the old disk file, enter either an N or just a carriage return. The TUCOPY program will prompt you for the OUTPUT file again. Enter a filename for the OUTPUT file that is not the same as an already existing disk file.
7. Answer the I/O request on the system console for INPUT and/or OUTPUT with the information requested.
8. If copying to a disk file, the Turbo Update Master tape will be read into the disk file name selected, and the TUCOPY program will complete with an END OF PROGRAM message.

If a tape to tape copy was done, the TUCOPY program will terminate with an END OF PROGRAM message if no errors occurred.

9. If a disk file was created, repeat steps 2 thru 7 above, but use the file name entered for the OUTPUT file as the INPUT file, and a carriage return for the OUTPUT file. (Be sure and issue a file equation for OUTPUT if the tape device does NOT have device class name TAPE configured)

D-4 Copying the Turbo Update Master Tape

10. After the copy is made, answer the question as to whether or not you want to make another copy. Enter either a N or just a carriage return will terminate the TUCOPY program. If you want to make another copy, answer the question with a Y. Then, repeat steps 7 through this step.

Localizing the TUINSTAL Message Catalog

The TUINSTAL message catalog is an NLS (Native Language Support) standard catalog file formatted using the NLS utility GENCAT.PUB.SYS. To localize the catalog file, follow the steps listed below:

1. Log onto the system using the logon MANAGER.SYS,HPTUINST.
2. If the files from the front of the Turbo Update Tape have not been restored, issue the following MPE commands:

```
:NEWGROUP HPTUINST.SYS;CAP=IA,BA,PH,PM,MR,DS  
  
:FILE T;DEV=TAPE (or CTAPE if cartridge tape)
```

Place the Turbo Update Master Tape on the tape drive.

```
:RESTORE *T;@.HPTUINST.SYS;SHOW
```

Reply to the console request.

9 files will be restored. The file TUCATSRC.HPTUINST.SYS is the source file for TUCAT000.

3. Using a text editor, and modify the file as desired:

```
:EDITOR  
HP32201A.09.00 EDIT/3000 FRI, JAN 27, 2023, 9:18 AM  
(C) HEWLETT-PACKARD CO. 1993  
/S SHORT;T TUCATSRC  
FILE UNNUMBERED  
/L 11/15,UNN  
20 The following command could not be executed by MPE (TUERR 20)  
21 COMMAND ERROR #! OCCURRED (TUERR 21)  
22 The DIAG entry point cannot be used on this version of  
MPE (TUERR 22)  
23 If using a cartridge tape, it must be formatted first.
```

4. Using GENCAT.PUB.SYS again, format the catalog file into a file that follows the NLS standard naming convention of TUCATxxx where xxx is the NLS defined language number. Following is the sequence needed to accomplish this for a catalog converted to French (NLS defined language 7):

```
:RUN GENCAT.PUB.SYS  
  
HP32414A.03.09 GENCAT/3000 (C) HEWLETT-PACKARD., 1983  
  
ENTER INDEX OF DESIRED FUNCTION  
  
0. EXIT  
1. HELP
```


2. MODIFY SOURCE CATALOG
3. FORMAT SOURCE INTO FORMATTED CATALOG
4. EXPAND FORMATTED CATALOG INTO SOURCE

>>3

ENTER NAME OF SOURCE FILE TO BE FORMATTED

>>TUCATSRC

FORMATTING....

ENTER NAME FOR NEW FORMATTED FILE

>>TUCAT007

TOTAL NUMBER OF SETS FORMATTED = 2

TOTAL NUMBER OF MESSAGES FORMATTED = 65

FORMATTING SUCCESSFUL

ENTER INDEX OF DESIRED FUNCTION

0. EXIT
1. HELP
2. MODIFY SOURCE CATALOG
3. FORMAT SOURCE INTO FORMATTED CATALOG
4. EXPAND FORMATTED CATALOG INTO SOURCE

>>0

END OF PROGRAM

If you do not know what the NLS defined language number is for the language desired, use the LANGINST.PUB.SYS utility to list the languages as follows:

:RUN LANGINST.PUB.SYS

HP32414A.03.09 LANGINST/3000 (C) HEWLETT-PACKARD CO., 1983

0. EXIT
1. ADD LANGUAGE TO LANGDEF
2. DELETE LANGUAGE FROM LANGDEF
3. MODIFY NATIVE FORMATS
4. LIST HP SUPPORTED LANGUAGES
5. MODIFY THE SYSTEM DEFAULT LANGUAGE
6. LIST LANGUAGES CURRENTLY CONFIGURED
7. DISPLAY TRANSLATION TABLES

Enter selection number :4

Once the above procedure is accomplished and the new file is added to the front of the Turbo Update Master Tape using the procedures described at the front of Appendix D, the TUINSTAL program will use the localized message catalog as follows:

When the TUINSTAL program starts running, it will query the operating system to find out the number of the NLS configured default language. The program will then append this number to the file name TUCAT to make the name of the localized message catalog. The program will then attempt to open this file on the .HPTUINST.SYS group. If the program cannot open this file, it will attempt to open the default Turbo Update message catalog file TUCAT000.HPTUINST.SYS. Upon the first successful open of a message catalog file, the program will continue working. If the program cannot successfully open any message catalog file, the program will terminate.



Worksheet

Release V.UU.FF number: _____

SYSSTART.PUB.SYS renamed to _____

Log File Numbers: _____

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

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

DESTROY THIS WORKSHEET WHEN THE INSTALLATION IS COMPLETE

Passwords and UDCs

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

Passwords and UDCs for HPOFFICE

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

* If you have installed COBOLII/V, be sure to add COBUDC.PUB.SYS to your SYSTEM UDC list.

Customer Comment Card

HP 3000 Software Update Manual for Releases Using Turbo Update

HP Part No.: 32033-90406

R3532

We welcome your evaluation of this manual. Your comments and suggestions will help us improve our publications. Attach additional pages if necessary.

Please circle the following Yes or No:

- | | | |
|--|-----|----|
| ■ Is this manual well organized? | Yes | No |
| ■ Is the information technically accurate? | Yes | No |
| ■ Are instructions complete? | Yes | No |
| ■ Are concepts and wording easy to understand? | Yes | No |
| ■ Are the examples and pictures helpful? | Yes | No |
| ■ Are there enough examples and pictures? | Yes | No |

Additional Comments: _____

Please provide:

Name: _____ Title: _____

Company: _____ Address: _____

City: _____ State: _____ Zip Code/Country _____

Please send to:



Thank you for your assistance.

No postage is required. Just remove this card, fold so that the pre-addressed label is on the outside, secure and mail.

Tape closed

PLEASE DO NOT STAPLE

Tape closed

....Fold here.....Fold here....



NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES

BUSINESS REPLY MAIL
FIRST CLASS MAIL PERMIT No. 256 ROSEVILLE CA



- POSTAGE WILL BE PAID BY ADDRESSEE -

LEARNING PRODUCTS MANAGER
HEWLETT-PACKARD COMPANY
SST/SUPPORT TECHNOLOGY CENTER
8000 FOOTHILLS BOULEVARD
ROSEVILLE CA USA 95747-5617



.....Fold here.....Fold here.....

Fold here

Fold here

Detach or fold here ->

Customer Comment Card

HP 3000 Software Update Manual for Releases Using Turbo Update

HP Part No.: 32033-90406

R3532

We welcome your evaluation of this manual. Your comments and suggestions will help us improve our publications. Attach additional pages if necessary.

Please circle the following Yes or No:

- | | | |
|--|-----|----|
| ■ Is this manual well organized? | Yes | No |
| ■ Is the information technically accurate? | Yes | No |
| ■ Are instructions complete? | Yes | No |
| ■ Are concepts and wording easy to understand? | Yes | No |
| ■ Are the examples and pictures helpful? | Yes | No |
| ■ Are there enough examples and pictures? | Yes | No |

Additional Comments: _____

Please provide:

Name: _____ Title: _____

Company: _____ Address: _____

City: _____ State: _____ Zip Code/Country _____

Please send to:



No postage is required. Just remove this card, fold so that the pre-addressed label is on the outside, secure and mail.

Thank you for your assistance.

Tape closed

PLEASE DO NOT STAPLE

Tape closed

...Fold here.....Fold here....

**AIR MAIL
PAR AVION**

IBRS/CCRI No. 256



NE PAS AFFRANCHIR
NO POSTAGE
NECESSARY
IF MAILED
TO THE
UNITED STATES

INTERNATIONAL BUSINESS REPLY MAIL/REPONSE PAYEE

PERMIT No. 256

ROSEVILLE CA

- POSTAGE WILL BE PAID BY ADDRESSEE -

LEARNING PRODUCTS MANAGER

HEWLETT-PACKARD COMPANY

STC/SUPPORT TECHNOLOGY CENTER

8000 FOOTHILLS BOULEVARD

ROSEVILLE CA USA 95747-5617



Fold here

Fold here

If mailed from countries other than those listed, please affix postage:

Argentina	Egypt	Ireland	Portugal
Australia	Fiji	Northern Ireland	Spain
Belgium	Finland	Israel	Sweden
Bermuda	France	Japan	Switzerland
Brazil	Germany	Korea, Republic of	(incl Liechtenstein)
China	Great Britain	Luxembourg	Taiwan
Cyprus	Greece	Netherlands	Uganda
Denmark	Iceland	New Zealand	United Arab Emirates
		Norway	

Detach or fold here ->





Manual Part No.
32033-90406

Copyright © 1995
Hewlett-Packard Company
Printed in USA E0895

Manufacturing Part No.
32033-90408

