X11 Maintenance Meridian 1

PSDL Installation Guide

X11 Maintenance

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General

The purpose of this document is to convey instructions to the user on how to install PSDL files to the M1 systems.

Install Procedures for 61C/81/81C

Note: This procedure does not include instructions on general software installation nor does it cover installing new IODU/C cards. To use this procedure you must already be equipped with IODU/C cards that have the X11 software installed.

Use the parallel reload procedures to convert from one X11 release of PSDL files to a later release or to change the PSDL file within the same X11 release. Parallel reloads can be done from either CPU. For the purposes of this document, we begin with CPU 0.

Table 1 summarizes the required steps to perform this procedure.

Table 1 : Options 61C,81,81C parallel reload summary

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3. Split the Cores	Pg. 6
4. Install PSDL file on Core/Net 1	Pg. 7
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Perform a data dump

1. Load the Equipment Data Dump Program (LD 43). At the prompt, enter: **LD 43** to load the program
2. When EDD000 appears on the terminal, enter: **EDD** to begin the data dump
3. When "DATABASE BACKUP COMPLETE" or "DATADUMP COMPLETE" appears on the terminal, enter: ******** to exit the program

CAUTION If the data dump is not successful, do not continue; contact your technical support organization. A data dump problem must be corrected before proceeding.

STAT the hardware

1. Load LD 137 and get status of the hard disks. Note: Be sure the hard disks are synchronized. If not, synchronize before proceeding.

   LD 137

STAT	Get the status of the hard disks
SYNC	Synchronize hard disks if necessary. Synchronization may take up to 50 minutes
TEST CMDU	Performs hard and floppy disk test.
********	exit program

2. Load LD 135 and get status of the CPs, CNIs and memories.

   LD 135

STAT CPU	Get the status of both CPs and memory
STAT CNI	Get the status of all configured CNIs

3. Test the standby (inactive) CP. Then switch CPs, and test again.

TEST CPU	Test standby (inactive) CP

Install software on Core/Net 1

1. Place the CP Install disk that corresponds with the installed CP card type into the IODU/C in Core/Net 1.
2. Install the CD-ROM into the CD drive:
   " press the button on the CD-ROM drive to open the CD-ROM disk holder
   " place the CD-ROM disk into the holder with the disk label showing
   " use the four tabs to secure the CD-ROM drive
   " press the button again to close the CD-ROM disk holder (don t push the holder in by hand)
3. In Core/Net 1, perform the following three steps in uninterrupted sequence:
   " press and hold the MAN RST button on the CP card
   " set the MAINT/NORM switch on the CP card to MAINT
   " release the MAN RST button

   A sysload will begin (cold start). Wait for the Main Menu to appear on the terminal before proceeding.

   Note 1: If the CD-ROM is not in the CD drive of the IODU/C, the installation procedure will not continue. Please insert the CD-ROM into the drive to continue.

   Note 2: If a problem is detected during the system verification, Install stops, prints an error message, and aborts the installation. If the verification is not successful, do not continue; contact your technical support organization.
4. Press <CR> to continue.
5. Log into the system and enter the time and date, when prompted.
6. Initiate the installation by selecting the following command from the menu:
   <u> to Install menu
7. Remove the CP Install Program diskette and insert the Keycode diskette, when prompted.
   <a> to continue with keycode validation
   <y> to confirm that the keycode matches the CD-ROM release
8. When the Install Menu is displayed, select the following option
   <p> To install 3900 set Languages.
9. The PSDL Installation Menu appears. Select
   2. List 3900 set languages

   This will display what PSDL file is currently installed on the machine and what PSDL files are available to install.

   Hit <cr> untill the main menu appears
10. When the Install Menu is displayed, select the following option
    <p> To install 3900 set Languages
11. The PSDL Installation Menu appears. Select
    1. Install 3900 set languages
12. The list of PSDL files that can be downloaded appears. Select the PSDL file you desire.

    The install program will backup your current PSDL file and will install the new file. When it is complete you will be returned to the Main Install menu

13. From the main menu choose the following
    <q> to quit (remove any diskettes from the floppy drive)
    <y> Yes, to confirm quit
    <a> to reboot the system

    The system will automatically perform a sysload during which several messages will appear on the system terminal. Wait for DONE and then INI messages to be displayed before continuing.

Switch call processing to Core/Net 1

CAUTION Call Processing will be interrupted! Perform these next steps carefully. This is the point at which your service is interrupted. Calls in process will be interrupted, especially if Peripheral Software Download takes place. Some calls may be dropped.

Perform the next four steps in succession. Call processing will be switched from Core/Net 0 to Core/Net 1.

1. In Core/Net 0, set the DIS/ENB faceplate switch on the IODU/C card to DIS.
2. In Core/Net 0, disable the CNI cards by setting the ENB/DIS faceplate switches to DIS.
3. In Core/Net 1, enable the CNI cards by setting the ENB/DIS faceplate to ENB.
4. In Core/Net 1, press the MAN INT button.
   Note: Call processing is now switched from Core/Net 0 to Core/Net 1.

Test Core/Net 1

1. Test Call Processing. This includes, but is not limited to the following:
   " Check for dial tone.
   " Make internal, external, and network calls.
   " Check attendant console activity.
   " Check DID trunks.
   " Check any auxiliary processors.

   Note: From this point forward you will be upgrading Core/Net 0.

Install software on Core/Net 0

1. Move the CPSI port cable from J25 on Core/Net 1 to J25 on Core/Net 0.
2. Set the IODU/C faceplate switch to ENB.
3. Place the CP Install disk that corresponds with the installed CP card type into the IODU/C in Core/Net 0.
   " press the button on the CD-ROM drive to open the CD-ROM disk holder
   " place the CD-ROM disk into the holder with the disk label showing
   " use the four tabs to secure the CD-ROM drive
   " press the button again to close the CD-ROM disk holder (don t push the holder in by hand)
4. Press the MAN RST button on the CP card in Core/Net 0 to reboot the system and start the Software Installation Tool. (The terminal displays SYSLOAD messages during file loading. When SYSLOAD is completed, the NT logo appears.)
5. When the NT logo appears, press <CR> to continue.
6. When the Main Menu appears, select the following options in sequence:
   <u> to Install menu
7. Remove the CP Install Program diskette and insert the Keycode diskette. Select the following when prompted:
   <a> to continue with keycode validation
   <y> to confirm that the keycode matches the CD-ROM release
   <q> to quit (remove any diskettes from the floppy drive)
   <y> Yes, to confirm quit
   <a> to reboot the system
   The system will automatically perform a sysload during which several messages will appear on the system terminal. Wait for DONE and then INI messages to be displayed before continuing.
8. When the Install Menu is displayed, select the following option
   <p> To install 3900 set Languages.
9. The PSDL Installation Menu appears. Select
   2. List 3900 set languages

   This will display what PSDL file is currently installed on the machine and what PSDL files are available to install.

Hit <cr> untill the main menu appears

10. When the Install Menu is displayed, select the following option
    <p> To install 3900 set Languages
11. The PSDL Installation Menu appears. Select
    1. Install 3900 set languages
12. The list of PSDL files that can be downloaded appears. Select the PSDL file you desire.

    The install program will backup your current PSDL file and will install the new file. When it is complete you will be returned to the Main Install menu

13. From the main menu choose the following
    <q> to quit (remove any diskettes from the floppy drive)
    <y> Yes, to confirm quit
    <a> to reboot the system
    The system will automatically perform a sysload during which several messages will appear on the system terminal. Wait for DONE and then INI messages to be displayed before continuing.

Exiting split mode

1. Connect CPSI port or maintenance SDI port
2. Enable the CNI cards by setting the ENB/DIS faceplate switch to ENB in Core/Net 0.
3. Perform the following in uninterrupted sequence:
   " Press and release the MAN RST button in Core/Net 0.
   " When SYS700 messages appears on LCD display on Core/Net 0, set the MAINT/NORM switch to NORM in Core/Net 0.
   In 60 seconds, the LCD will display and confirm your processes with:
   RUNNING ROM OS
   ENTERING CP VOTE
   An HWI534 message indicates the start of memory synchronization. In 10 minutes, an HWI533 message on Core/Net 1 CSPI or SDI terminal indicates the memory synchronization is complete.
4. In Core/Net 1, set the MAINT/NORM switch on the CP card to NORM.

Test Core/Net 1 and Core/Net 0

1. Perform a redundancy sanity test using the following sequence:
   LD 135
   STAT CNI Get status of CNI cards
   STAT CPU Get status of CPU and memory
   TEST CPU Test the inactive Core/Net
   TEST CNI c s Test each inactive CNI card
2. Switch Cores and test the other side (Core/Net 0)
   SCPU Switch cores
   TEST CPU Test the inactive Core/Net
   TEST CNI c s Test each inactive CNI card
   Note: Testing the CP and CNI cards and synchronizing memory can take up to 20 minutes for each test. When the CP test is complete, the CP the memory is automatically synchronized.
3. Clear the display and minor alarms on both Cores.
   CDSP Clear the displays on the Cores
   CMAJ Clear major alarms
   CMIN ALL Clear minor alarms
4. Get the status of the Cores, CNIs, and memory.
   STAT CPU Get the status of both Cores
   STAT CNI Get the status of all configured CNIs and memory

   Note: You may need to execute the STAT CNI command twice before receiving a response from the system.

**** exit program

Synchronize the hard disks

1. Load LD 137 and synchronize the hard disks. Synchronization may take up to 50 minutes. To be sure that the contents of IODU/C 1 are copied to IODU/C 0, verify that IODU/C 0 is disabled.
   LD 137
   STAT Get the status of the IODU/C and redundancy
   SYNC Enter "Yes" to synchronize disks. Wait until the memory synchronization successfully completes before continuing. TEST CMDU Performs hard and floppy disk test.
2. Get the status of the CMDU's and be sure CMDU 0 is active. Switch if necessary.
   STAT Get the status of IODU/C and redundancy
   SWAP Switch CMDU if necessary
   STAT CMDU Get the status of the IODU/Cs. Be sure the same IODU/C and CPU are active.
   **** exit program

Perform a data dump

1. Load the Equipment Data Dump Program (LD 43). At the prompt, enter
   LD 43 to load the program
2. When EDD000 appears on the terminal, enter
   EDD to begin the data dump
3. When DATABASE BACKUP COMPLETE or DATADUMP COMPLETE appears on the terminal, enter
   **** to exit the program

CAUTION If the data dump is not successful, do not continue; contact your technical support organization. A data dump problem must be corrected before proceeding.

The PSDL file has now been installed on your switch.

Install procedure for Option 51C

Use this procedure to convert from one X11 release of PSDL files to a later release or to change the PSDL file within the same X11 release for Option 51C systems only

Table 2 summarizes the required steps to perform this procedure.

Table 2 : Option 51C installation procedure

Step	Page
1. Perform a data dump	Pg. 11
2. STAT the hardware	Pg. 11
3. Install PSDL file	Pg. 11
4. Test the system	Pg. 12
5. Perform a data dump	Pg. 12

Perform a data dump

1. Load the Equipment Data Dump Program (LD 43). At the prompt, enter: **LD 43** to load the program
2. When EDD000 appears on the terminal, enter: **EDD** to begin the data dump
3. When "DATABASE BACKUP COMPLETE" or "DATADUMP COMPLETE" appears on the terminal, enter: ******** to exit the program

CAUTION If the data dump is not successful, do not continue; contact your technical support organization. A data dump problem must be corrected before proceeding.

STAT the hardware

1. Load LD 137 and get status of the hard disks.
   LD 137
   STAT Get the status of the hard disks
2. Load LD 135 and get status of the CP, CNI and memory.
   LD 135
   STAT CPU Get the status of the CPU and memory
   STAT CNI Get the status of the CNI.

Install PSDL File

1. Select the CP Install diskette which matches the Call Processor (CP) type on your system.
2. Insert the CP Install diskette into the floppy drive of the IODU/C.
3. Press MAN RST on the CP card. The system will be booted from the floppy and the Install tool will be automatically invoked.
4. Press <CR> to continue.
5. Log into the system and enter the time and date, when prompted.
6. Initiate the database installation by selecting the following command from the menu:
7. Remove the CP Install Program diskette and insert the Keycode diskette, when prompted.
   <u> to Install menu
   <a> to continue with keycode validation
   <y> to confirm that the keycode matches the CD-ROM release
8. When the Install Menu is displayed, select the following options in sequence when you are prompted to do so
   <p> To install 3900 set Languages.
9. The PSDL Installation Menu appears. Select
   2. List 3900 set languages

   This will display what PSDL file is currently installed on the machine and what PSDL files are available to install.

Hit <cr> untill the main menu appears

10. When the Install Menu is displayed, select the following option
    <p> To install 3900 set Languages
11. The PSDL Installation Menu appears. Select
    1. Install 3900 set languages
12. The list of PSDL files that can be downloaded appears. Select the PSDL file you desire.

    The install program will backup your current PSDL file and will install the new file. When it is complete you will be returned to the Main Install menu

13. Select a database to install.

    When the Install Menu appears, select:
    <d> To install Database only
    When the database installation screen appears, insert the first 2 MB database diskettes in the IODU/C.
    <a> to install the customer database
    <y> to start installation
    Follow the instructions to install the database

    When the data base is installed, the Main Install menu will appear. Select the following options:

    <q> to quit (remove any diskettes from the floppy drive)
    <y> Yes, to confirm quit
    <a> to reboot the system
    The system will automatically perform a sysload during which several messages will appear on the system terminal. Wait for DONE and then INI messages to be displayed before continuing.

Test Call Processing

1. Test Call Processing. This includes, but is not limited to the following:
    " Check for dial tone.
    " Make internal, external, and network calls.
    " Check attendant console activity.
    " Check DID trunks.
    " Check any auxiliary processors.

Complete the upgrade

1. Perform a redundancy sanity test using the following sequence:
    LD 135
    STAT CNI Get status of CNI card
    STAT CPU Get status of CPU and memory
2. Clear the display and minor alarms..
    CDSP Clear the displays on the Cores
    CMAJ Clear major alarms
    CMIN ALL Clear minor alarms **** exit program

The PSDL conversion is complete.

Install Procedure for Option 11C and Option 11 mini

1. Download the software executable file for the software release being installed (M3900 language file – version xx) from the web site to your Software Delivery card.

2. Install the Software Delivery card in slot A of the PCMCIA socket in the faceplate of the SSC or MSC card.

3. Use Overlay 143 to start the Software Installation Program.

4. Select Utilities from the Main Menu.

    The main menu displays:
    Software Installation Main Menu :
    1. New Install or Option 11/11E Upgrade - From Software DaughterBoard
    2. System Upgrade
    3. Utilities
    4. New System Installation - From Software Delivery Card
    [q]uit, [h]elp or [?], <cr> - redisplay

    Enter Selection : 3

5. Select item 9 - Change 3900 series set languages from the Utilities menu

    The Utilities menu displays:
    Utilities Menu:
    1. Restore Backed Up database
    2. Archive Customer defined databases
    3. Install Archived database
    4. Review Upgrade Information
    5. Clear Upgrade Information
    6. Undo Installation
    7. Flash Boot ROM Utilities
    8. Current Installation Summary
    9. Change 3900 series set languages.
    [q]uit, <cr>current menu, [m]ain, [p]revious menu

6. Select item 2 - Change current 3900 series language set.
    The system displays:

    The Change 3900 series language set menu displays:
    Change 3900 series set language menu:
    1. List 3900 series language sets.
    2. Change current 3900 series language set.
    3. Restore 3900 series language set.
    [q]uit, [r]restore, [m]ain menu, [h] help or [?],<cr> - redisplay

7. Specify drive name for 3900 series language set files in PCMCIA
   Enter selection: A

   WARNING: Following selection will overwrite the existing psdl.rec file
   WARNING: Need to perform sysload after psdl file is changed.

   1 Global version 10 Languages - English, French, German, Spanish, Swedish, Italian, Norwegian, Brazilian Portuguese, Finnish, Japanese Katakana

   2 Western Europe 10 Languages - English, French, German, Spanish, Swedish, Norwegian, Danish, Finnish, Italian, Brazilian Portuguese

   3 Eastern Europe 10 Languages - English, French, German, Dutch, Polish, Czech, Hungarian, Russian, Latvian, Turkish

   4 North America 6 Languages - English, French, German, Spanish, Brazilian Portuguese, Japanese Katakana

   5 Rls24 up-issue - English, French, German, Spanish, Swedish, Italian, Norwegian, Brazilian Portuguese, Finnish, Japanese Katakana

   6 North America 6 Languages - English, French, German, Spanish, Brazilian Portuguese, Japanese Katakana (Duplicate of the fourth set)
   [q]uit, [h] help or [?],<cr> - redisplay

8. Enter selection: __ (of your choice)

   Backing up the current psdl.rec file... [wait} 3630080 bytes copied.
   Copying current psdl.rec file... [wait] 3630080 bytes copied.
   3900 series language set file successfully installed. 67 bytes copied.

9. Perform a sysload to enable new 3900 series set language.

——————————— End of Procedure ———————————

Install Procedures for 81C Pentium II Call Processor

Use the parallel reload procedures to convert from one X11 release of PSDL files to a later release or to change the PSDL file within the same X11 release. Parallel reloads can be done from either CPU. For the purposes of this document, we begin with CPU 0.

Table 1 summarizes the required steps to perform this procedure.

Table 3 : Option 81C CP PII parallel reload summary

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1. Perform a data dump	Pg. 16
2. STAT the hardware	Pg. 16
3. Check that Core 0 is active	Pg. 16
4. Split the Cores	Pg. 16
5. Install PSDL file on Core/Net 1	Pg. 16
6. Switch call processing to Core/Net 1	Pg. 17
7. Test Core/Net 1	Pg. 18
8. Install PSDL file on Core/Net 1	Pg. 18
9. Exiting split mode	Pg. 19
10. Test Core/Net 1 and Core/Net 0	Pg. 19
11. Perform a data dump	Pg. 19

Perform a data dump

1. Load the Equipment Data Dump Program (LD 43). At the prompt, enter: **LD 43** to load the program
2. When EDD000 appears on the terminal, enter: **EDD** to begin the data dump
3. When "DATABASE BACKUP COMPLETE" or "DATADUMP COMPLETE" appears on the terminal, enter: ******** to exit the program

CAUTION If the data dump is not successful, do not continue; contact your technical support organization. A data dump problem must be corrected before proceeding.

STAT the hardware

1. Load LD 137 and get status of the hard disks. Note: Be sure the hard disks are synchronized. If not, synchronize before proceeding.

   LD 137

STAT	Get the status of the hard disks
TEST CMDU	Performs hard and floppy disk test.
********	exit program

2. Load LD 135 and get status of the CPs, CNIs and memories.

   LD 135

STAT CPU	Get the status of both CPs and memory
STAT CNI	Get the status of all configured CNIs

Check that Core 0 is active

1. Be sure Core 0 is active. If Core 1 is active, make Core 0 active:

   LD 135

STAT CPU	Get status of the CPUs
SCPU	Switch to Core 0 (if necessary)
********	exit program

Split the Cores

1. From the active side, split the cores:

   LD 135

SPLIT	Enter Split on the active core
	Allow the former active side to INIT before continuing
********	exit program

   The system is now in split mode.

Install PSDL file on Core/Net 1

1. Place the CP PII Install disk into the MMDU floppy drive of Core 1.

2. Install the CD-ROM into the MMDU CD drive of Core 1:
   - ƒ # press the button on the CD-ROM drive to open the CD-ROM disk holder
   - ƒ # place the CD-ROM disk into the holder with the disk label showing
   - ƒ # use the four tabs to secure the CD-ROM drive
   - ƒ # press the button again to close the CD-ROM disk holder (don t push the holder in by hand)

3. Press the manual RESET button on the Core 1 CP II card faceplate.

4. Before the install runs, the system validates hard disk partitioning which takes about five minutes. The screen displays:

   Testing partition 0
   0 percent done… 1 percent done… 99 percent done… 100 percent done
   Testing partition 1
   0 percent done… 1 percent done… 99 percent done… 100 percent done
   Testing partition 2
   0 percent done… 1 percent done… 99 percent done… 100 percent done
   Disk physical checking is completed!
   There are 3 partitions in disk 0:
   The size of partition 0 ix XX MB
   The size of partition 1 ix XX MB
   The size of partition 2 ix XX MB
   Disk partitions and sectors checking is completed!

5. At the terminal, press <cr> to start the software installation.

6. When prompted, remove the CP PII Install Program diskette and insert the Keycode diskette.
   <a> to continue with keycode validation
   <y> to confirm that the keycode matches the CD-ROM release

7. When the Install Menu is displayed, select the following option
   <p> To install 3900 set Languages.

8. The PSDL Installation Menu appears. Select
   1. Install 3900 set languages

9. The list of PSDL files that can be downloaded appears. Select the PSDL file you desire.

   The install program will backup your current PSDL file and will install the new file.
   When it is complete you will be returned to the Main Install menu.

10. The Main Install menu will appear. Select the following options:

    <q> to quit (remove any diskettes from the floppy drive)
    <y> Yes, to confirm quit
    <a> to reboot the system

    The system will automatically perform a sysload during which several messages will appear on the system terminal. Wait for DONE and then INI messages to be displayed before continuing.

Switch call processing to Core/Net 1

CAUTION Call Processing will be interrupted as Core 1 takes over call processing from Core 0!

1. From the active side (Core 0), switch call processing to Core 1

LD 135	
CUTOVR	Tell Core 1 to warm start and take over call processing. Allow Core 1 to come up before proceeding.
********	exit program

Test Core/Net 1

1. Test Call Processing. This includes, but is not limited to the following:
   - ƒ # Check for dial tone.
   - ƒ # Make internal, external, and network calls.
   - ƒ # Check attendant console activity.
   - ƒ # Check DID trunks.
   - ƒ # Check any auxiliary processors.

   Note: From this point forward you will be upgrading Core/Net 0.

Install PSDL file on Core/Net 1

1. Place the CP PII Install disk into the MMDU floppy drive of Core 0.

2. Install the CD-ROM into the MMDU CD drive of Core 0:
   - ƒ # press the button on the CD-ROM drive to open the CD-ROM disk holder
   - ƒ # place the CD-ROM disk into the holder with the disk label showing
   - ƒ # use the four tabs to secure the CD-ROM drive
   - ƒ # press the button again to close the CD-ROM disk holder (don t push the holder in by hand)

3. Press the manual RESET button on the Core 0 CP II card faceplate.

4. Before the install runs, the system validates hard disk partitioning which takes about five minutes. The screen displays:

   Testing partition 0
   0 percent done… 1 percent done… 99 percent done… 100 percent done
   Testing partition 1
   0 percent done… 1 percent done… 99 percent done… 100 percent done
   Testing partition 2
   0 percent done… 1 percent done… 99 percent done… 100 percent done
   Disk physical checking is completed!
   There are 3 partitions in disk 0:
   The size of partition 0 ix XX MB
   The size of partition 1 ix XX MB
   The size of partition 2 ix XX MB
   Disk partitions and sectors checking is completed!

5. At the terminal, press <cr> to start the software installation.

6. When prompted, remove the CP PII Install Program diskette and insert the Keycode diskette.
   <a> to continue with keycode validation
   <y> to confirm that the keycode matches the CD-ROM release

7. When the Install Menu is displayed, select the following option
   <p> To install 3900 set Languages.

8. The PSDL Installation Menu appears. Select
   1. Install 3900 set languages

9. The list of PSDL files that can be downloaded appears. Select the PSDL file you desire.

   The install program will backup your current PSDL file and will install the new file.
   When it is complete you will be returned to the Main Install menu.

10. The Main Install menu will appear. Select the following options:

    <q> to quit (remove any diskettes from the floppy drive)
    <y> Yes, to confirm quit
    <a> to reboot the system

    The system will automatically perform a sysload during which several messages will appear on the system terminal. Wait for DONE and then INI messages to be displayed before continuing.

Exiting split mode

1. From the active side (Core 1), join with Core 0 to establish redundancy:

LD 135	
JOIN	Tell Core 0 to warm start and update its disk image. Allow Core 0 to come up before proceeding.
********	exit program

Test Core/Net 1 and Core/Net 0

1. Perform a redundancy sanity test using the following sequence:

LD 135	
STAT CNI	Get status of CNI cards
STAT CPU	Get status of CPU and memory
TEST CPU	Test the inactive Core/Net
TEST CNI c s	Test each inactive CNI card

2. Switch Cores and test the other side (Core/Net 0)

SCPU	Switch cores
TEST CPU	Test the inactive Core/Net
TEST CNI c s	Test each inactive CNI card

Perform a data dump

1. Load the Equipment Data Dump Program (LD 43). At the prompt, enter
   LD 43 to load the program
2. When EDD000 appears on the terminal, enter
   EDD to begin the data dump
3. When DATABASE BACKUP COMPLETE or DATADUMP COMPLETE appears on the terminal, enter
   **** to exit the program

CAUTION If the data dump is not successful, do not continue; contact your technical support organization. A data dump problem must be corrected before proceeding.

The PSDL file has now been installed on your switch.

Commands for System wide Flash Download of M3900 sets

LD 97 **– Configure parameters for System-wide Flash Download**

Prompt	Response	Reason
REQ	CHG	Change Flash Download Parameters.
	PRT	Print Flash Download Parameters.
TYPE	FDL	Flash Download for M3900 Sets
FDTP	t	Enter M3900 set type selected for Flash Download
	<CR>	3902 = M3902. 3903 = M3903. 3904 = M3904. 3905 = M3905. ALL = All of the above. NONE = None of the above (default). No further prompt; returns to “REQ”.
FDTM	(NO)	Time interval restriction for Flash Download
	YES	NO = Do not change time intervals (default).
	<CR>	YES = Proceed to change time intervals **Note 1:** Flash Download is automatically paused one hour before virtual midnight (see TODR in LD 17) to allow midnight routines to run. **Note 2:** This option is not applicable to reporting.
FDAY	d n	Enter day and number of time intervals for Flash Download.
	<CR>	Prompt appears only if FDTM = YES Day is re-prompted until carriage return <CR> alone is entered. d = day of the week (0-6 for Sunday to Saturday) n = number of time intervals (0-4); to disallow download for the day, enter 0. **Note:** If two or more intervals are specified, they must be non-overlapping, non-consecutive, and in increasing order.
FINT	s l	Enter starting hour and length for a time interval.
	<CR>	Prompted n times if n>0. s = starting hour (0-23) l = length of interval in hours (1-24)
FTNR	(NO)	TN range restriction option for Flash Download
	YES	NO = no TN restriction (default)
	<CR>	YES = specify TN range
FSTN	l s c u	Starting terminal number for Flash Download
	c u	Prompt appears only if FTNR = YES.
FETN	l s c u	Ending terminal number for Flash Download

	c u	Prompt appears only if FTNR = YES.
FDNR	(NO) YES <CR>	DN range restriction option for Flash Download NO = no DN restriction (default) YES = specify DN range
FDDN	c d1 d2 <CR>	Flash Download Prime Directory Number range Prompt appears only if FDNR = YES. c = Customer number (0-99) d1 = starting Prime DN d2 = ending Prime DN
FRCE	(NO) YES <CR>	System-wide Flash Download control option NO = Conditional (default). System-wide Flash Download (via FDLS in LD 32) applies only to an M3900 series set whose flash firmware version is different from the version currently found on the system disk YES = Forced. Force System-wide Flash Download to all of the specified M3900 series sets regardless of their current flash firmware versions. **Note 1:** Use this option with caution! Once the download tree is built (i.e., after executing FDLS in LD 32), this option automatically reverts to NO. **Note 2:** This option is not applicable to reporting.
FVER	v <CR>	Flash firmware version specified for full report v = Flash firmware version (0-99) If 0, report all versions (default). **Note:** This option is applicable to reporting only (via FSUM ALL in LD 32).

LD 32 – Flash Download commands

Prompt	Response	Description
.	FDLU l s c u	Initiate conditional download to one telephone. Terminal number. l = loop address. s = shelf address. c = card address. u = unit address.
	FDLI l s c u	Initiate conditional download to an M3900 Series telephone when it becomes idle.
	FDLF l s c u	Initiate a forced download to an M3900 Series telephone regardless of its version and state.
	FWVU l s c u	Query and print the firmware versions currently on an M3900 Series telephone.
	FDLS	Initiate system-wide flash download to all, or a specified type of M3900 Series telephones, based on parameters specified in LD 97
	FDLC	Cancel or gracefully stop the system-wide flash download for M3900 Series telephones.
	FSUM	Display summary report of current firmware versions on all M3900 Series telephones. The format of the report is as follows: * * M390x SUMMARY REPORT * * dd - ON DISK ff (cc) - nnnn SETS FOUND ff (cc) - nnnn SETS FOUND Where: x = 2 to 5 for M3902 to M3905 dd = the flash firmware version found on the system disk ff = the downloadable flash firmware version found on the sets cc = the core firmware found on the sets nnnn = the number of sets found with firmware version ff (cc)
	FSUM ALL	Display a complete report on all M3900 Series telephones based on parameters specified in LD 97. The format of the report is as follows: TYPE: tttt CUST: cc PDN: ddddddd TN: l s c u FW: vv Where: tttt = 3902, 3903, 3904 or 3905 cc = 0-99 ddddddd = the Primary DN of the telephone vv = the flash firmware version