Field Feature Bill of Material (FFBM)

Installation of Microcode Level F12720 and other Suffix On 3746-900 attached to 3745-XXA or on 3746-950 alone With Service Processor Type 6275 (FC 5053), 7585-P02 (FC 5052), or 3172-P90 (FC 5021)

Written by: C. Vallee
Checked by: C. Franoux
Approved by: A.Badino
Reviewed by: R. Lympany

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Before Installation (Steps 1-8)

1.0 Machines Affected

3746 Models 9X0

- With Service Processor Type: 6275 Model 56U or 83U (FC 5053), or 7585-P02 (FC 5052), or 3172-P 90 (FC 5021)
- Without Microcode Level F12720.

  Checkpoint: Check that the APPN EC level is F12721.000.

  If level is not present you must upgrade the Service Processor and the 3746-9x0 according to this instruction.

Note: Refer to **Chapter 3, Displaying the EC Level of Code** in the *Service Processor Installation and Maintenance (Based on 7585, 3172, and 9585)*, SY33-2120, or to **Chapter 2, Displaying the EC Level of Code** in the *Service Processor and Network Node Processor Service User's Guide* if your service processor is based on 6275.

2.0 Related BMs and ECs

2.1 Prerequisites

(Must be installed prior to this installation)

IMPORTANT NOTES

If you are installing at the same time the **conversion** of the MAE **FC 3000** to MAE **FC 3001** (II PN 02L1268). Check that:

1. Your customer has migrated his configuration files using the instructions documented in the SA33-0475, *MAE Configuration Migration Guide from FC 3000 to FC 3001*.
2. If the **PN** of the **MAE system card** currently plugged in your MAE is one of the following: **78H6297, 11J7464, or 89H8395**, you must have received the installation instructions PN **02L4064** to replace this card.

If one of the condition listed above is not met, do **NOT** install this EC. Call your support center for help.

2.2 Co-requisite

(Must be installed together)

None

2.3 Companion

(May be installed together)

None

3.0 BMs to be Installed

FBM	Title
42L2447	Installation of Microcode level F12720 on 3746-9x0 attached to 3745-XXA, and/or an 3746-950 stand-alone.

4.0 Preparation

- Familiarize yourself with the purpose and details of the installation instruction before negotiating machine time with the customer (refer to Figure 2 on page 8).
- Check all items listed on the BM(s) to determine that all parts have been received.
- Call your Support Center to obtain the Microcode Fixe(s) (MCF) to be installed with the new LIC.
  Or, connect to **http://www.lagaude.ibm.com/3746pe** and download the mandatory fixe(s).
- Obtain the maintenance password from the Customer.
- Ensure that both the 3745 and 3746-9x0, types and models, are registered in RETAIN (CCPF).

  For U.S.A machines, please call the Raleigh Multiplexor Support Center and verify your machine's registration in CCPF for:

  – The seven digit serial number of the 3745 and 3746-9x0 are correct.
  – The three digit model designation for the 3745 and 3746-9x0 are correct.

5.0 Programming

None.

6.0 Purpose and Description

Install the new level microcode level F12720.

- On the Service Processor, NNP(s) and MAE (if any), and
- Install on the 3746-9x0(s).

7.0 Installation Time

The installation time depends on the number of 3746-9x0 and if any NNP and MAE are installed. In the case of multiple 3746-9x0 connected to a Service Processor, global maintenance window must be requested to the customer. This will allow the customer to upgrade the 3746-900, and/or the 3746-950.
This global maintenance will be divided in up to 3 sub windows, one corresponding to each phase of the upgrade:

1. Phase 1 is used to upgrade the Service Processor, the NNP and the MAE (if any). The upgrades of the NNP and MAE are disruptive for the traffic running thru these units.
2. Phases 2 and 3, are used to update each 3746-9x0 machine attached to the Service Processor.
   These phases are disruptive, but may be performed serially to avoid disrupting all machines at the same time.

The procedure used to reload the code is the '**LIC restore**' and this procedure is disruptive for the traffic. Only the load of the code on the SP can be done while the traffic is still running.

- Nondisruptive operation estimated time: 3746-9x0/MOSS-E Code level upgrade on the Service Processor: 35 up-to 60 minutes for LIC install.
- Disruptive operation estimated times per 3746-9x0:
  - Update the NNP: about 45 minutes.
  - Update the MAE: about 30 minutes.
  - 3746-9x0 General IML: 6 minutes.
  - 3746-9x0 EEPROM Upgrade: 6 minutes.

To be reported as **MES** installation.

FB/M Installed	Machine Hrs	System Hrs	CE Hour	Nbr of CE
42L2447	2 to 3	0.0	3	1

8.0 Tools/Materials Required

None.

Installation (Steps 9-12)

9.0 Safety

Not applicable.

10.0 Details of Installation

The largest configuration will be upgraded in 3 phases:

Phase 1: 3746-9x0/MOSS-E code level upgrade on the Service Processor as described in 10.1, “Procedure 1 - 3746-9x0/MOSS-E Code Level Upgrade.”

Phase 2: Code level upgrade on the first 3746-9x0, as described in 10.3, “Procedure 2 - 3746-9x0 Code Level Upgrade..”

Phase 3: Code level upgrade on the second 3746-9x0 (if any), as described in 10.3, “Procedure 2 - 3746-9x0 Code Level Upgrade..”

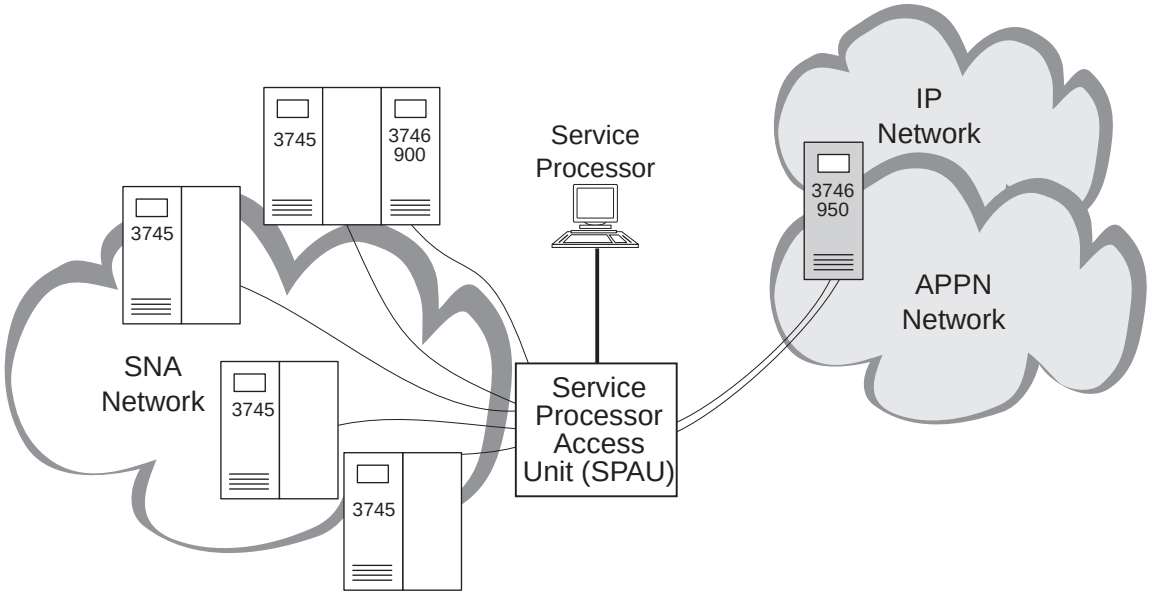


Figure 1. Service Processor Maximum Configuration.

If you are migrating a MAE from FC 3000 to FC 3001, refer to Figure 2 to get the sequence of the installation tasks and the documentation to be used.

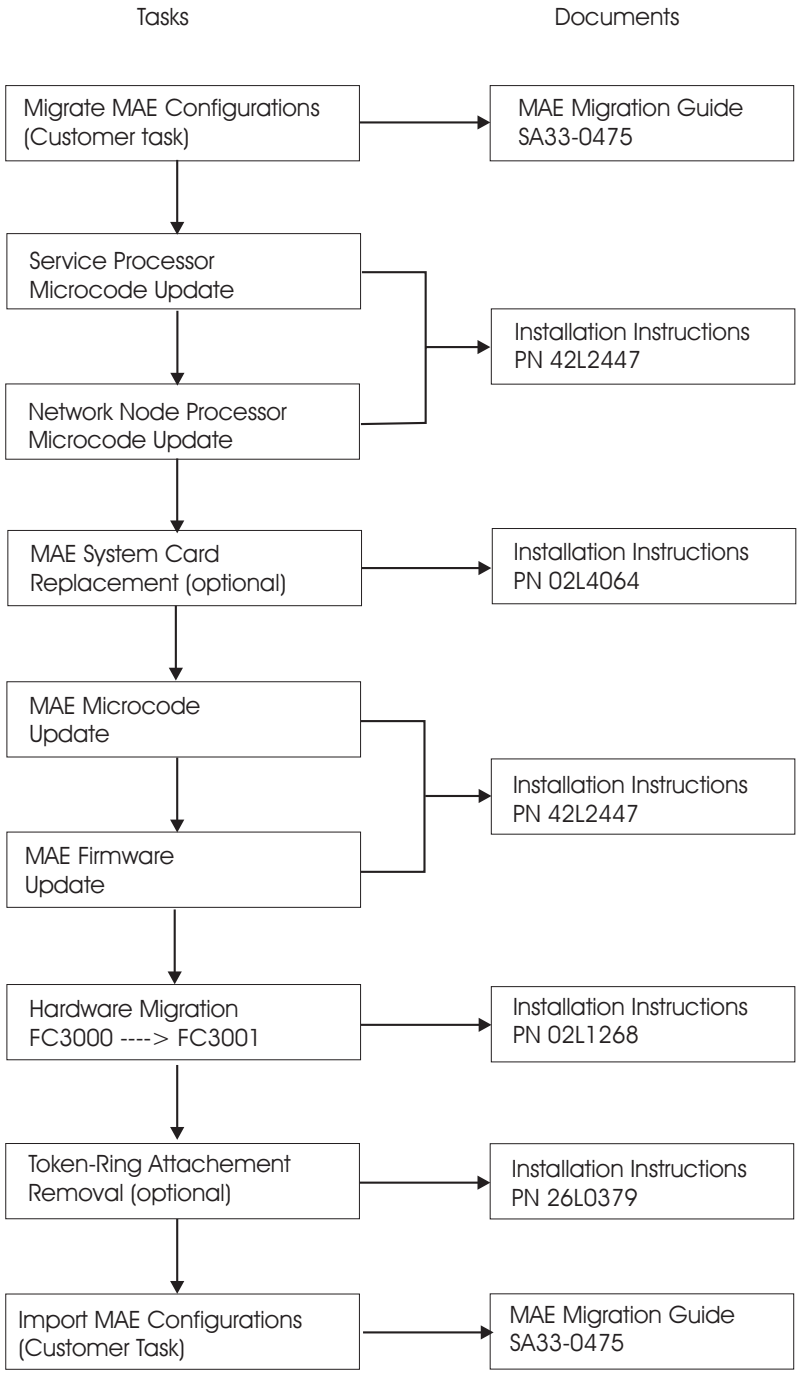


Figure 2. MAE FC 3000 to 3001 Migration Scenario

10.1 Procedure 1 - 3746-9x0/MOSS-E Code Level Upgrade

Go To

What is the EC level of the code currently installed on your SP?

- Microcode EC **F12380** or above (microcode available on **CD-ROM**), go to 10.1.5, “Saving Configuration on Diskette” on page 12
- Any other EC level **prior to F12380** (microcode available on **OD**) , go to 10.1.1, “Saving the Configuration on the Optical Disk.”

10.1.1 Saving the Configuration on the Optical Disk

__ 1. If not already logged, enter the **Service Processor maintenance password** (default is IBM3745).

__ 2. Double click on the **"Service Processor icon"**.

__ 3. Click on **"Operation Management"**.

__ 4. Double click on **"Manage Disks and Databases"**

__ 5. Click on **Save databases on optical disk** radio button.

__ 6. Click on **"OK"** and follow the prompts.

__ 7. When prompted, Insert the optical disk.

__ 8. When completed, click on **OK**, then click on **"Cancel"** to exit from the function.

10.1.2 Installing MES Data Save Function.

__ 1. Insert the **Customer Data Migration diskette** (PN 02L3850) in the Service Processor diskette drive.

__ 2. Click on **"Change Management"**.

__ 3. Double click on **"Manage Microcode Fixes"**

__ 4. Click on **"OK"** for use of PE function.

__ 5. On **Manage Microcode Fixes** window, click on **"View"** (On function bar). Then, click on **"Change directory path"** (On pull down menu)

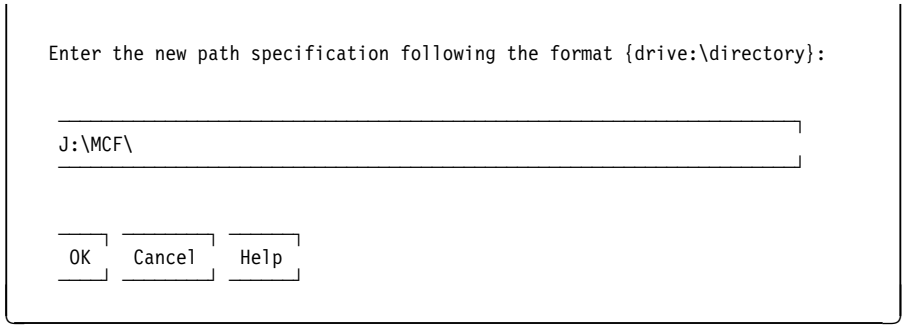
__ 6. On **Change Directory Path** window, enter **A:*.***. Then, click on **"OK"**.

__ 7. On **Manage Microcode Fixes** window, click on the **fixes** to be applied.

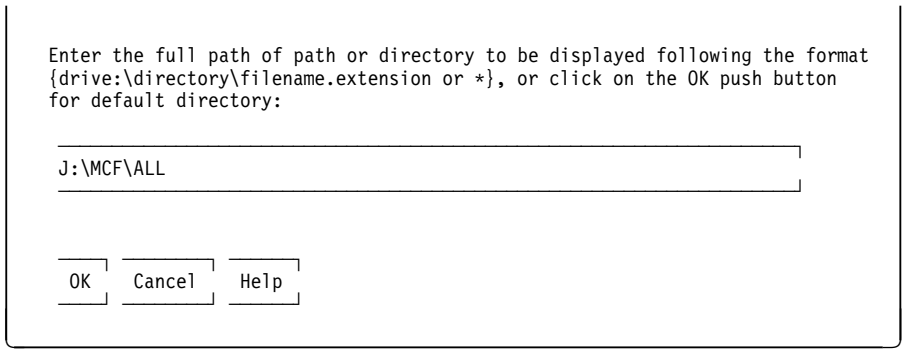
Driver	If LIC EC Level	Apply MCF
607	D2251X	MD22426.418
810	D2256X	MD22726.418
830	D4612X	MD22526.418
840	D4613X	MD22326.418

__ 8. Click on **"File"** (On the function bar). Then, click on **"Move"** (On pull down menu).

__ 9. On the **Move Microcode Fix files** window, enter **J:\MCF**. Then, click on **"OK"**.



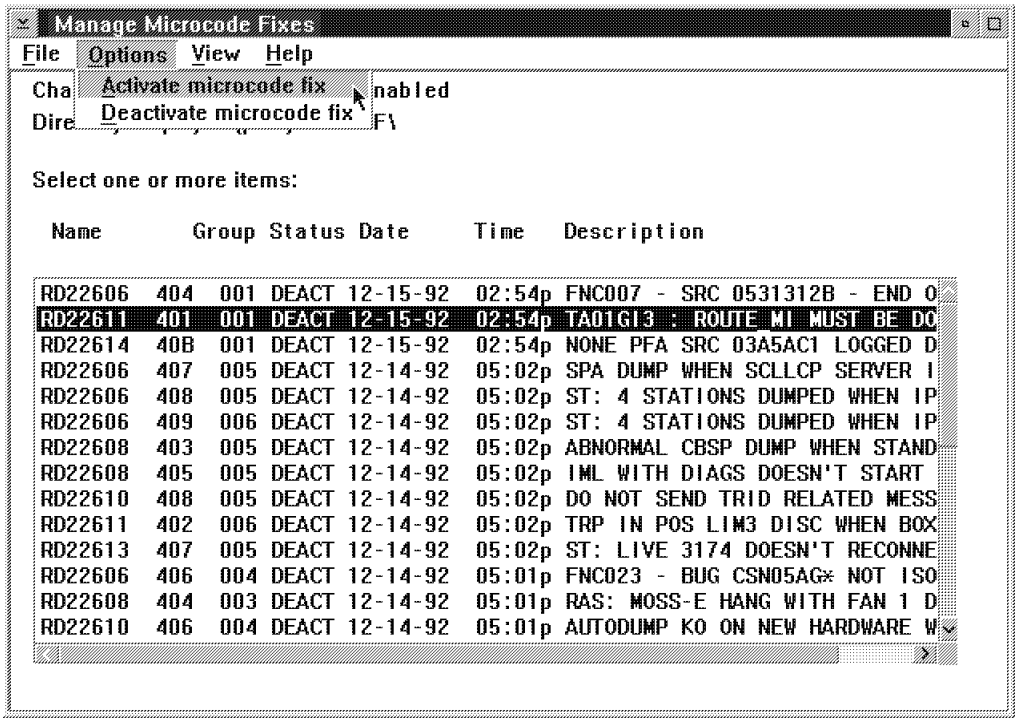
__ 10. On the **Change Directory Path** window, enter **J:\MCF\ALL**. Then, click on **"OK"**.



__ 11. Remove the diskette from the drive.

__ 12. On the **Manage Microcode Fixes** window, Click on the lines of the MCFs to be applied **"MES-Data Migration"**, click on **"Options"** (On function bar).
Then, click on **Activate microcode fix** (On pull down menu).

__ 13. Answer 'YES' to reboot and shutdown



10.1.3 Verifying the MCF status.

After IML is completed

__ 1. Enter the Service Processor maintenance password

__ 2. Double click on the **"Service Processor object icon"**.

__ 3. Click on **"Change Management"**.

__ 4. Double click on **"Manage Microcode Fixes"**

__ 5. The status of the MCF just applied should be **"ACT"**.

MCF Status ACT?

NO, Call Support..

YES, continue with next step.

__ 6. Exit the **Change Management** functions

10.1.4 Saving Customer Data on Diskette.

__ 1. On the **MOSS-E View** window, click on **Program**.

__ 2. Double click on **Log OFF MOSS-E**, then double click on **Log ON MOSS-E**.

__ 3. Insert the **backup** optical disk on the ODD (backup of the current micro-code).

__ 4. Double click on the **"Service Processor object icon"**.

__ 5. Click on **"Functions to Use Under PE Guidance Only"**.

__ 6. Double click on **"Save Customized data on diskette"**

__ 7. When prompted, insert the **Configuration Parameters diskette** (PN 02L3427) (can be any blank 1.44 diskette) into the diskette drive.

Note: Only **one** diskette is provided, if more than one diskette is required, obtain an additional blank diskette (1.44Mb).

__ 8. Click on **"OK"** follow the prompts and wait for the following message *'operation is successfully completed'*.

__ 9. Click on **"Close"**.

__ 10. Remove the diskette and the optical disk.

Go to, 10.1.6, "Shutdown the Service Processor" on page 14 .

10.1.5 Saving Configuration on Diskette

The following procedures must be done when coming from EC F12380 or above

__ 1. Reboot the service processor by pressing simultaneously the **Ctrl/Alt/Del** keys.

__ 2. For logging on, enter the **Service Processor maintenance password** (default is IBM3745).

__ 3. Double click on the **"Service Processor icon"**.

__ 4. Click on **"Operation Management"**.

__ 5. Double click on **"Manage Disks and Databases"**

__ 6. Click on **Save database on diskette** radio button.

__ 7. Click on **"OK"** and follow the prompts.

__ 8. When prompted, Insert the **Configuration Parameters diskette (PN 02L3427)** in the diskette drive.

Note: Only one **Configuration Parameters diskette** is provided, if more than one diskette is required, obtain an additional blank diskette (1.44Mb).

__ 9. When completed, click on **"OK"** and remove the diskette.

Go to, 10.1.6, “Shutdown the Service Processor” on page 14 .

10.1.6 Shutdown the Service Processor

__ 1. On the **MOSS-E View** window, click on **Program**.

__ 2. Double click on **shut-down**, then enter the maintenance password (default is IBM3745), and click on **OK**.

__ 3. When the pop-up appears saying shut down has completed, power OFF the Service Processor.

What is the type of your Service Processor?

6275 Go to 10.1.8, “LIC Installation” on page 15

7585-P02

- The **OD** drive is **installed**, Go to 10.1.7, “Removing the Optical Disk Drive (ODD) from a 7585.”
- The **OD** drive is **not installed** and did you receive the **FBM 25L4401**?
  - **YES**, using the FBM 25L4401 install the MPA card then, Go to 10.1.8, “LIC Installation” on page 15.
  - **NO**, Go to 10.1.8, “LIC Installation” on page 15.

3172

- The **CD** is **not installed** (EC prior to F12380), install Service Processor Upgrade MES (FC 5051) FFBM 08J5516. Then, go to 10.1.8, “LIC Installation” on page 15
- The **CD** is **installed** on the SP (EC F12380 or F12380A), go to 10.1.8, “LIC Installation” on page 15

10.1.7 Removing the Optical Disk Drive (ODD) from a 7585

__ 1. **On the rear side of the ODD**, turn OFF the power switch (0).

__ 2. Disconnect the ODD Power cord from the ac Outlet Distribution Box or from the wall ac outlet, and the other end from the rear side of the ODD.

__ 3. **On the rear side of the Service Processor**, disconnect the signal cable from SCSI adapter (Position 3).

__ 4. Remove the ODD. Then, pack it into the return box (PN 32H0346) provided with this FBM

Did you receive the **FBM 25L4401**?

- **YES**, using the FBM 25L4401, install the MPA card. Then, Go to 10.1.8, “LIC Installation” on page 15.
- **NO**, Go to 10.1.8, “LIC Installation” on page 15.

10.1.8 LIC Installation

__ 1. Insert the Service Processor installation diskette:

- **PN 26L0236**, if your SP is a **7585-P02** or a **3172-P90**
- **PN 26L0456**, if your SP is a **6275**

__ 2. Then, power **ON** the Service Processor and while the system is starting, insert the **CD-ROM** into the drive.

__ 3. When the diskette is booted, follow the prompts on the screen.

__ 4. Wait for a while ... several messages will appear: Build hardisk, reboot, format ...

Note: If you get the following messages:

- *SYS0627: Drive c: was improperly stopped. From the OS/2 command prompt, run CHKDSK with the /F parameter on the specified drive*
- *SYS0318: Message file OSO001.msg cannot be found for message 1467*

Ignore these messages and **press enter** to continue.

__ 5. When prompted, Insert the **Configuration Parameters diskette (PN 02L3427)** in the diskette drive.

__ 6. Wait for a while, when prompted insert the **Service Processor installation diskette PN 26L0236 or 26L0456** in the diskette drive.

__ 7. Message: *Number of bytes....Remaining computed time goes to 00 mn 00s* is displayed but wait and stays on for an extra 5 minutes until message: *LIC Restoration has successfully completed* is displayed. Then, press **Enter** to continue.

__ 8. When prompted remove the diskette from the diskette drive. Then, press **Enter** key and remove the CD.

__ 9. The system re-boot, wait for a while ..., click on **OK** button when the message **'Do you want to customize your SP'** is displayed.

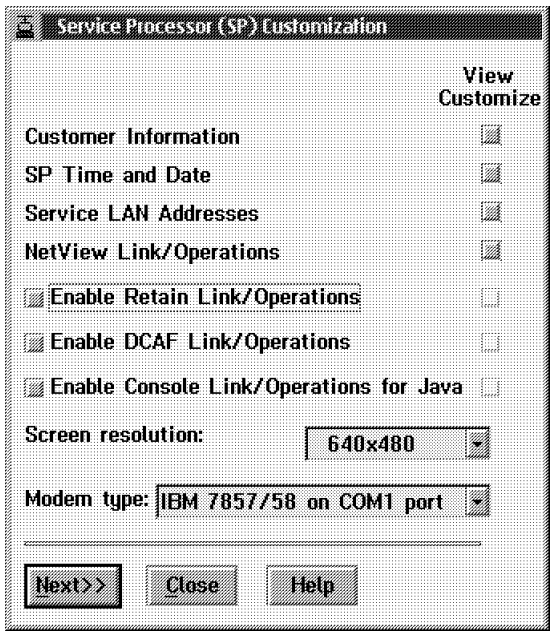
Note: If not prompted automatically, select the function '**SP customization**' from the **service processor configuration** menu.

__ 10. On the **Service Processor (SP) Customization** screen:

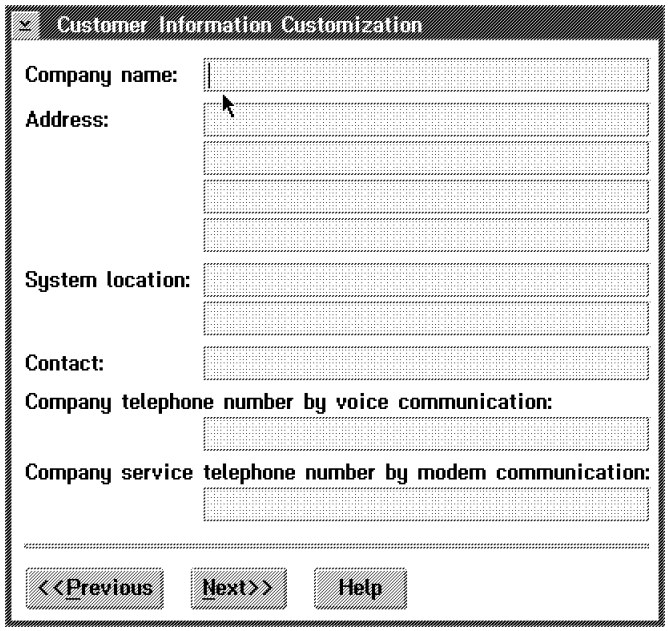
- Click on every **View Customize** check boxes to verify the configuration parameters. With this level of code two new options are available:
  a. A link definition for a **Java console**.

  Note: This link is exclusive with the DCAF link/operation. According to your customer choice, select the option to define a DCAF or JAVA link.
  b. **Screen resolution** option (800x600 or 640x480)
  This option is only enabled for the screens which support this option. It is mandatory to select 800x600 when an **MAE** is installed.

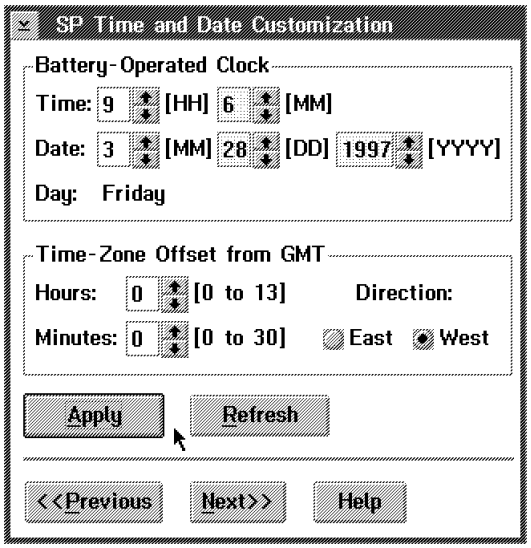
- Click on **Modem type** drop down list, then select (click on) the modem and connection type of the modem used. Then, click on **Next>>** button.



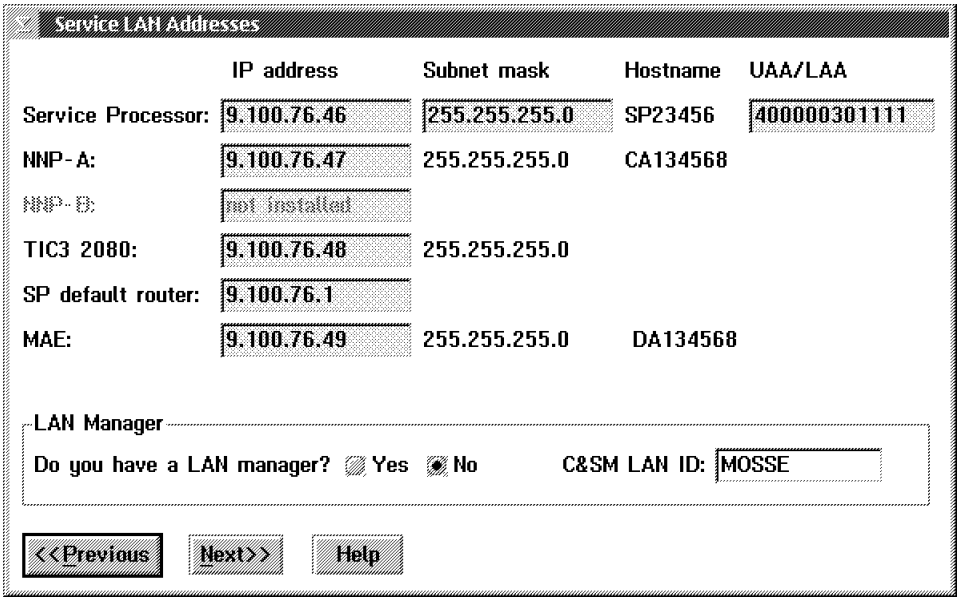
__ 11. On the **Customer Information Customization** screen, verify the information recorded and make the necessary changes. Then, click on **Next>>** button.



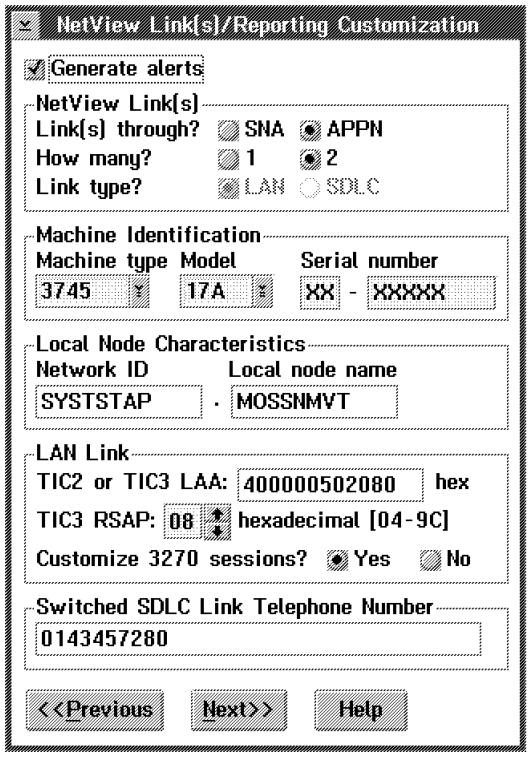
__ 12. On the **SP Time and Date Customization** screen, verify the information recorded and make the necessary changes. Then, click on **Next>>** button.



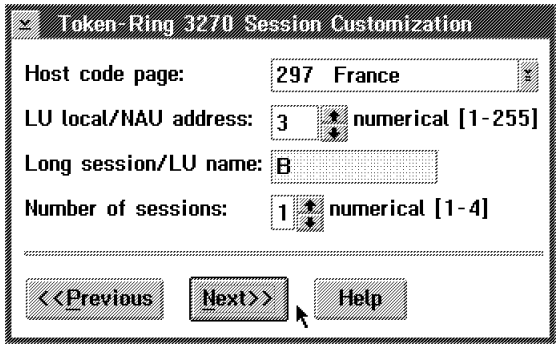
__ 13. On the **Service LAN Addresses** screen, verify the information recorded and make the necessary changes. Then, click on **Next>>** button.



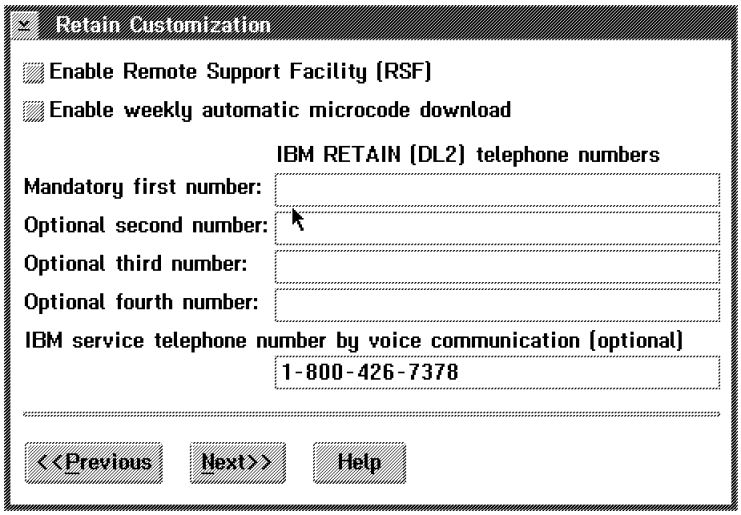
__ 14. On the **Netview Link(s)/Reporting Customization** screen, verify the information recorded and make the necessary changes. Then, click on **Next>>** button.



__ 15. On the **Token-Ring 3270 Session Customization** screen, verify the information recorded and make the necessary changes. Then, click on **Next>>** button.



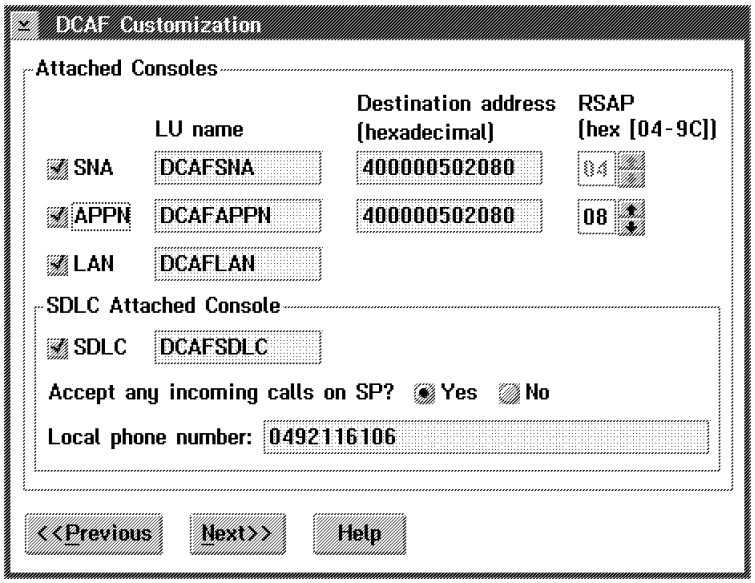
__ 16. On the **Retain Customization** screen, verify the information recorded and make the necessary changes. Then, click on **Next>>** button.



Which link have you selected in step 10 on page 15

- **DCAF** Link/Operations, go to step 17
- **JAVA** Link/Operations, go to step 18 on page 20

__ 17. On the **DCAF Customization** screen, verify the information recorded and make the necessary changes. Then, click on **Next>>** button.



Go to step 20 on page 22

__ 18. On the **JAVA Customization** screen, enter/select the following options:

a. Click on **NO** to reject any incoming call.

b. **Local Phone number** which is the phone number of the modem connected to the SP.

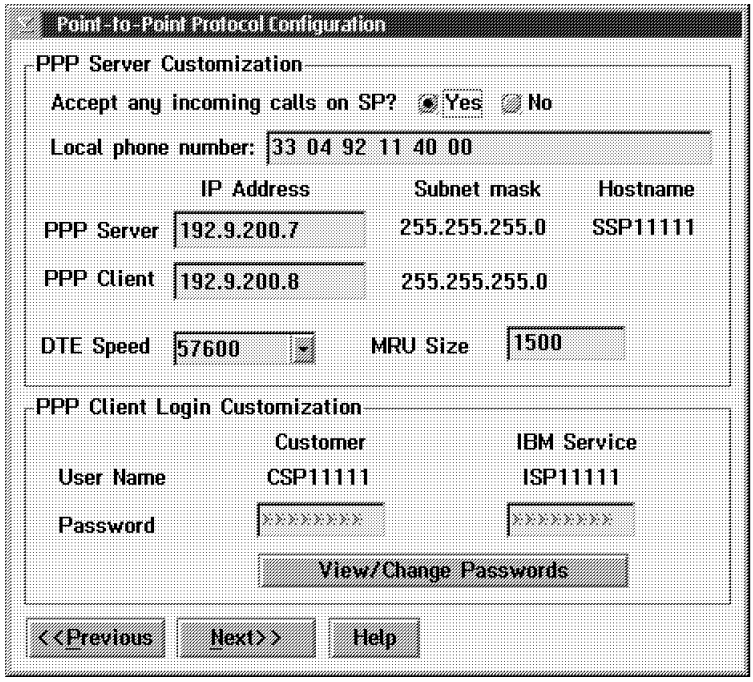
c. The **IP addresses** of:

1) The **PPP-server**. This is PPP address of the **service processor**.
2) The **PPP-client**. This is PPP address of the **remote station**.

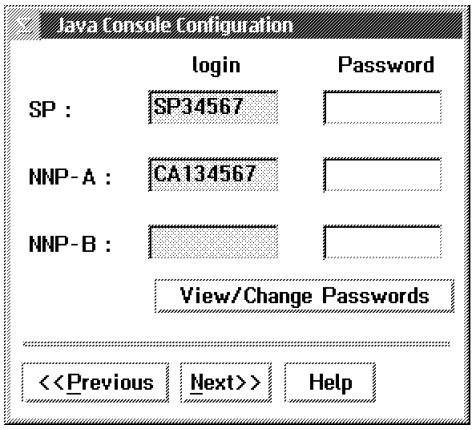
Note: These IP addresses must be in the same subnet than the IP addresses of the units connected to the service LAN.

d. The **DTE speed** which must set according to the type of the modem installed (use the helps for more details).

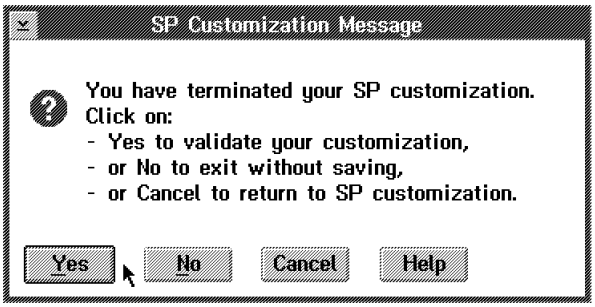
Then, click on **Next>>** button.



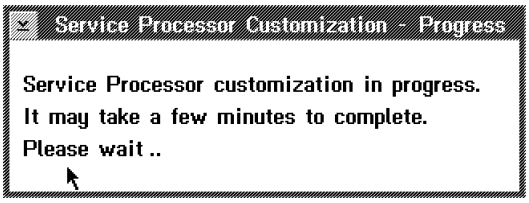
__ 19. On **JAVA Console Configuration** screen, do not modify the passwords this the responsibility of your customer. Click on **Next>>** button.


Java Console Configuration
login
Password
SP :
SP34567
NNP-A :
CA134567
NNP-B :
View/Change Passwords
<<Previous
Next>>
Help

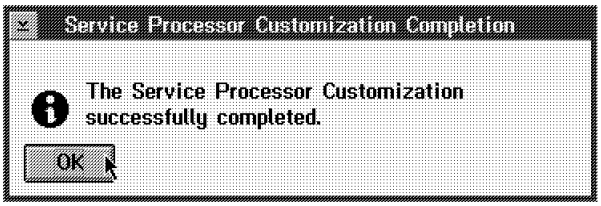
__ 20. On **SP Customization Message** screen, click on **Close**, then click on **Yes** button to validate your customization.



__ 21. The Service Processor customization start, follow the progress on the following screen. wait until completion.



__ 22. When completed, click on **OK** button.



__ 23. If necessary, the Service Processor will reboot automatically, then you are prompted to log On the MOSS-E. Otherwise go to next step

Note: If an error occurs, note the displayed message and press **Enter**. Keep the diskette available for investigation (log files: EULHIERR.LOG, OUT_BAK.1 and OUT_BAK.2), stored on diskette and hard disk for PE.

Have you any NNP installed?

- **YES**, go to 10.1.9, “Upgrading the NNP(s) on 3746-9x0.” on page 23.
- **NO**, go to 10.2.1, “Applying the Latest MCFs Received.” on page 31.

10.1.9 Upgrading the NNP(s) on 3746-9x0.

__ 1. On the **MOSS-E View** screen, double click on the **3746-9x0** icon.

__ 2. On the **3746-9x0 Menu** screen, click on **Network Node Processor (NNP) Management**.

__ 3. Double click on **Install/Remove/Change/Restore LIC/NNP**.

__ 4. Click on **NNP-A**, then click on **Restore LIC on NNP**.

__ 5. When requested, insert the NNP installation diskette **PN 26L0237** in the SP then in the NNP diskette drive.

__ 6. Select the NNP type and follow the prompts until **Operation successfully completed** (Up to 45')

Note: Click on OK to clear the alarm saying that the SP/APPN CP link has been lost.

__ 7. Click on **Close**, then clear reconnection alarm.

__ 8. **If installed, repeat on the above procedure on NNP-B**; then, continue with next step.

Have you a MAE installed?

- **NO**, go to 10.2.1, “Applying the Latest MCFs Received.” on page 31.
- **YES**, are you migrating the MAE installed from **FC 3000** to **FC 3001**?
  - **NO**, go to 10.1.10, “Installing the MAE” on page 24.
  - **YES**, perform the following procedures in sequence:
    1. ___ Verify the **PN** of the **MAE system card** plugged in your MAE. If the **PN** of the card is one of the following: **78H6297, 11J7464, or 89H8395, replace** the card using the installation instructions PN **02L4064** then go to next step.
    2. ____ Did your customer decide to remove the token-ring link between the MAE and the 3746-9X0?
       - **YES**, using the installation instructions **PN 26L0379**, remove this link then go to 10.1.10, “Installing the MAE” on page 24.
       - **NO**, go to 10.1.10, “Installing the MAE” on page 24.

10.1.10 Installing the MAE

__ 1. Double click on the **"3746-9X0 object icon"**

__ 2. Click on **"Multiaccess Enclosure Management"**.

__ 3. Now double click on **Install/Remove/Change LIC on MAE**.

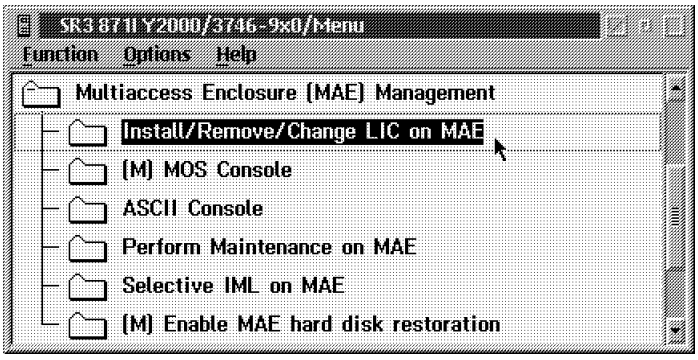


Figure 3. Install Multiaccess Enclosure

__ 4. What is the level of code that was installed on the SP hard disk:

- **F12430**, click on **Change LIC on MAE...**, then go to step 8 on page 25.
- Prior to **F12430**, click on **Install MAE...**, then go to step 5 on page 25.

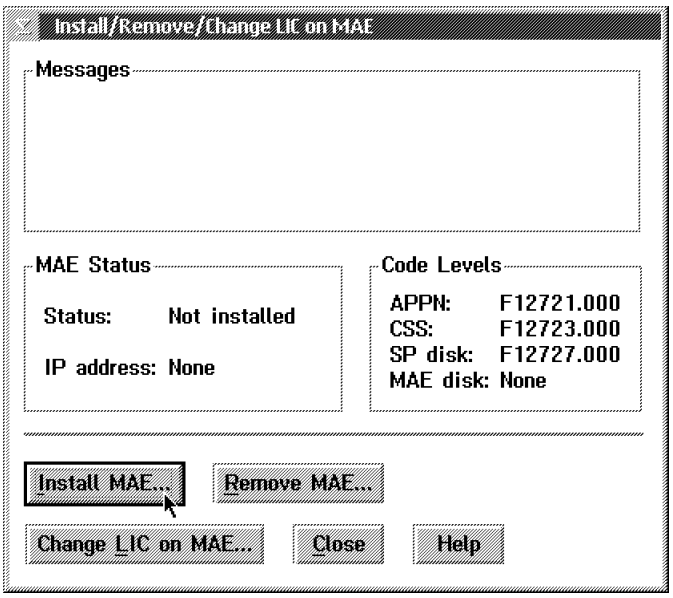


Figure 4. Install Multiaccess Enclosure

__ 5. Verify or enter the **MAE IP address**, then click on **OK**.

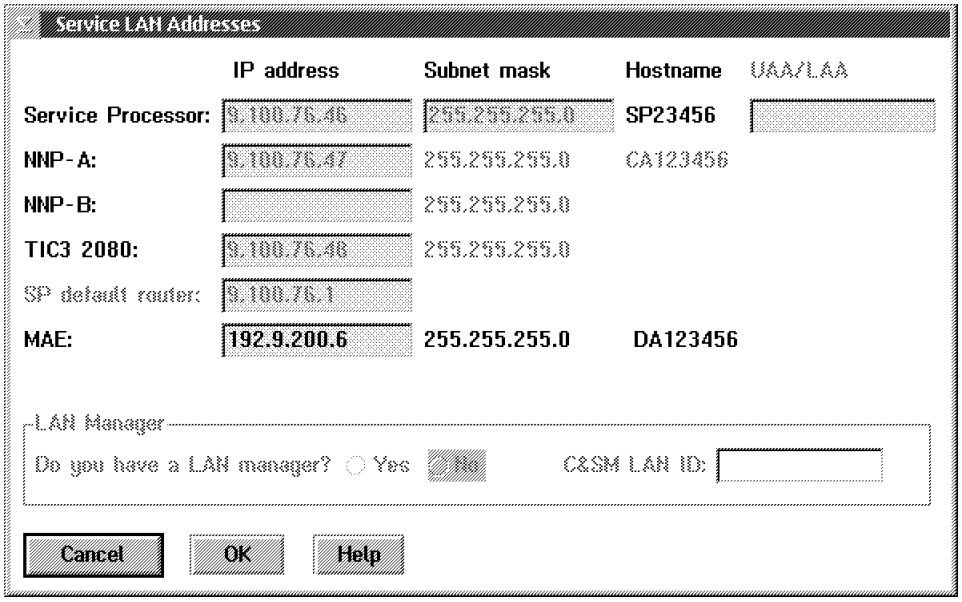


Figure 5. Service LAN Addresses

__ 6. Click on **Yes** to record your parameters.

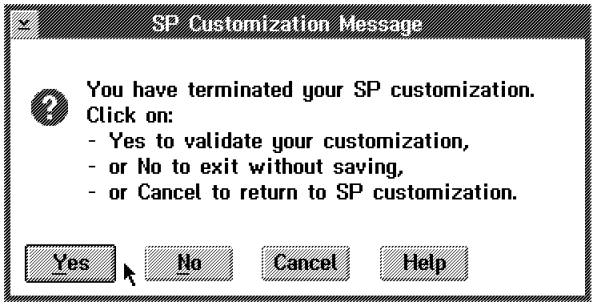


Figure 6. SP Customization Message

__ 7. When completed, click on **OK**.

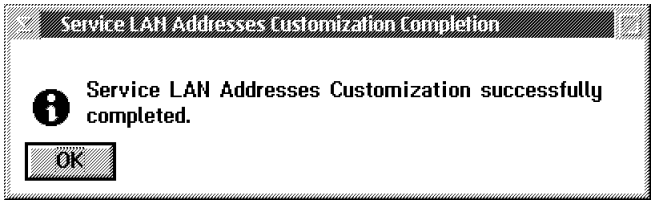


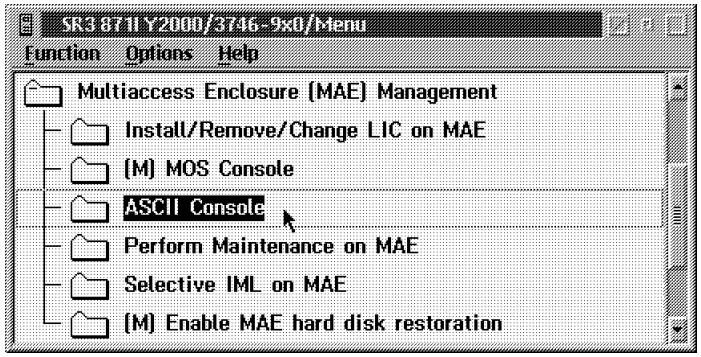
Figure 7. SP Customization Completed

__ 8. The MAE code is now being installed (it takes about 10 mn), when completed click on **Close**.

Note: After a few minutes, verify that the MAE link icon is **green** (polling the MAE does not start immediately to give the green icon).

10.2 Installing the firmware

__ 1. Double click on **ASCII Console"**.



__ 2. Press the **Reset** button on the MAE.

__ 3. Several window are displayed during tests. Wait until the **Boot Information** window is displayed.

__ 4. Press **F1** when prompted (to prematurely terminate boot).

__ 5. On the **System Management Services** window, select **option 4 - Utilities**, press **Enter**.

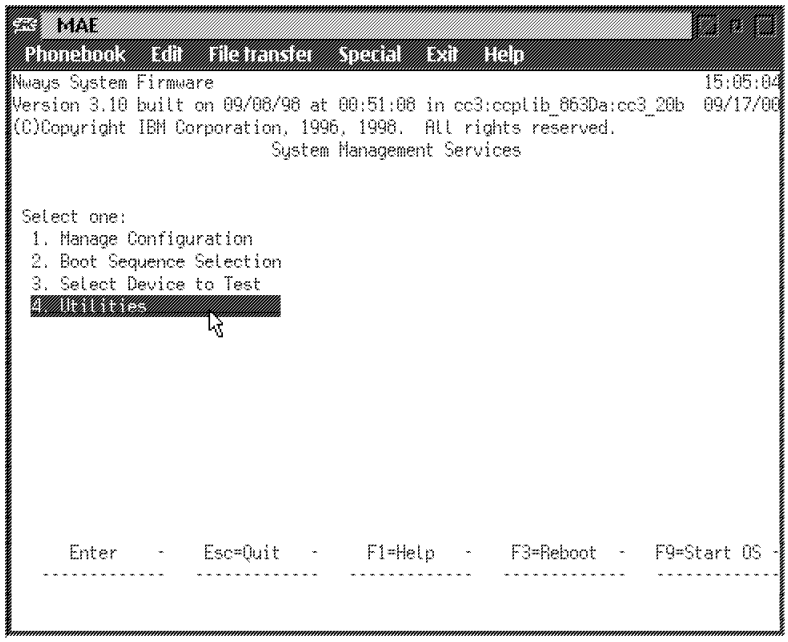


Figure 8. MAE

__ 6. Enter the Multiaccess Enclosure supervisory password when required: **2216**.

__ 7. Select **7. Update System Firmware** from the utilities panel, press **Enter**

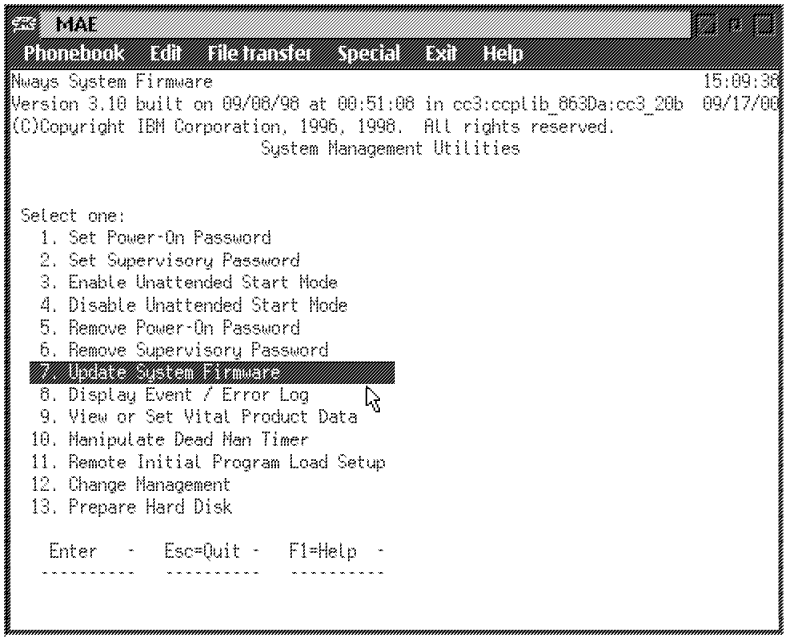
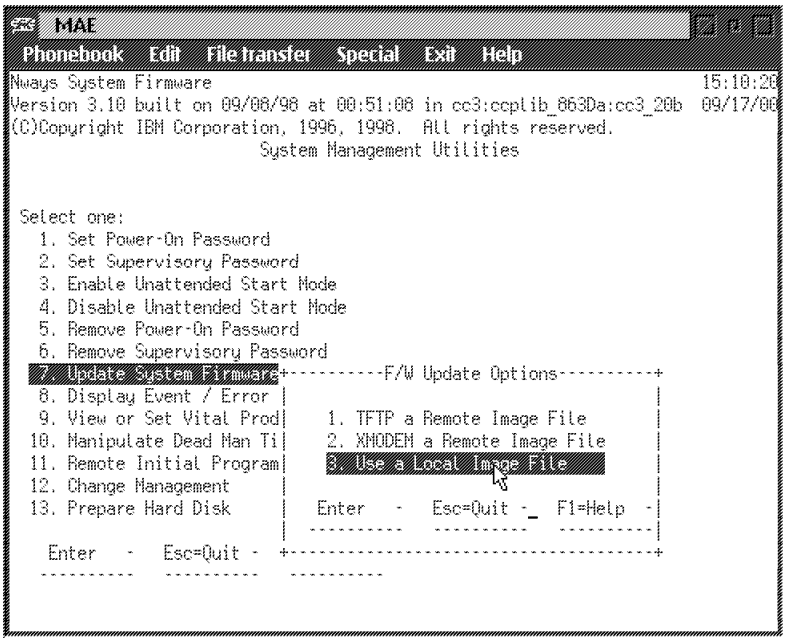


Figure 9. MAE

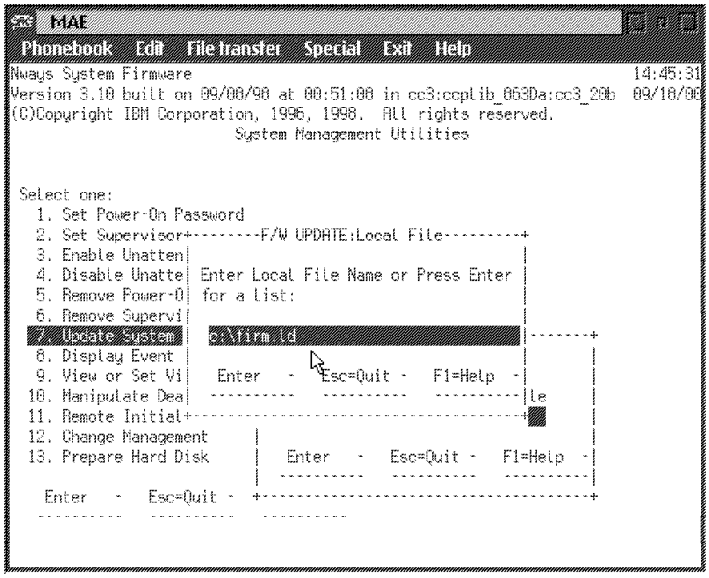
Attention: Do not power off the multiaccess enclosure during the process of updating the firmware. If the update fails, the multiaccess enclosure will boot a backup firmware image. If this happens, repeat the update procedure to reload the onboard firmware image.

__ 8. From the **F/W Update Options** menu, select **3. Use a Local Image File**, then press **Enter** and follow the prompts.

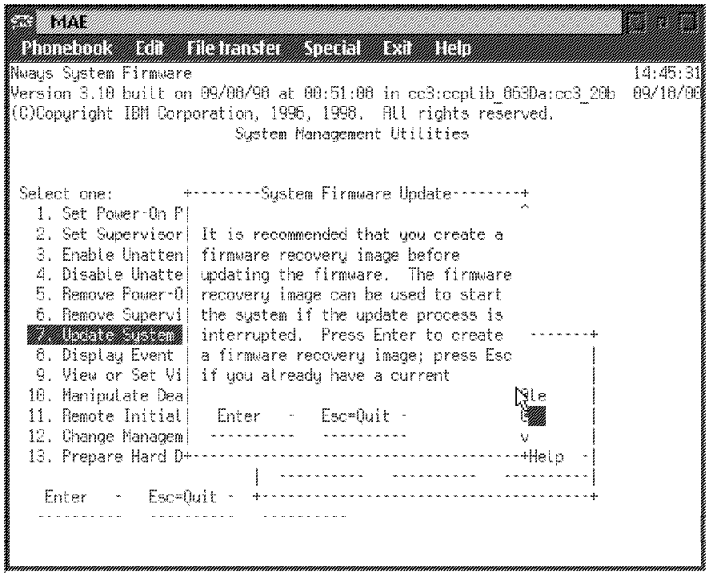

MAE
Phonebook Edit File transfer Special Exit Help
Nways System Firmware 15:10:20
Version 3.10 built on 09/08/98 at 00:51:00 in cc3:ccplib_863Da:cc3_20b 09/17/00
(C)Copyright IBM Corporation, 1996, 1998. All rights reserved.
System Management Utilities
Select one:
1. Set Power-On Password
2. Set Supervisory Password
3. Enable Unattended Start Mode
4. Disable Unattended Start Mode
5. Remove Power-On Password
6. Remove Supervisory Password
7. Update System Firmware
8. Display Event / Error
9. View or Set Vital Prod
10. Manipulate Dead Man Ti
11. Remote Initial Program
12. Change Management
13. Prepare Hard Disk
F/W Update Options
1. TFTP a Remote Image File
2. XMODEM a Remote Image File
3. Use a Local Image File
Enter - Esc=Quit - F1=Help
Enter - Esc=Quit -
Enter - Esc=Quit -

__ 9. Enter the **Local File Name**: **c:\firm.ld**, then press **Enter**

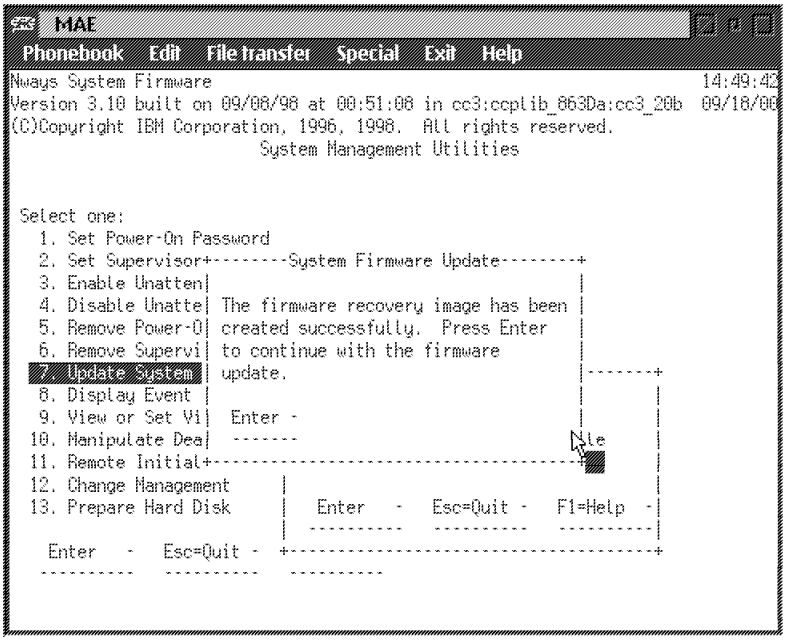
Note: If the firmware loaded on the MAE system card is at the same level as the firmware loaded on the SP hard drive, you will get the following message: "The firmware update file is at the same level as the system firmware. Firmware update cancelled. Press enter". Then go to 10.2.1, “Applying the Latest MCFs Received.” on page 31, otherwise continue with the next step.



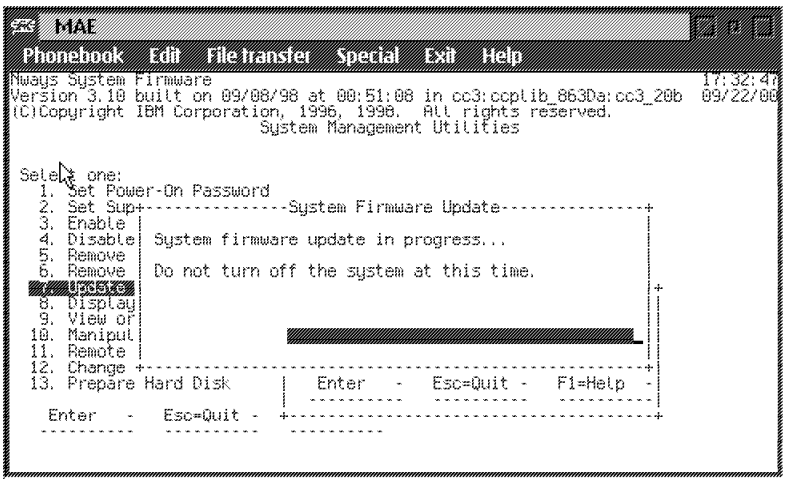
__ 10. On confirmation window, press **Y**. Then when this window is displayed, press **Enter**.



__ 11. When recovery image has been done, press **Enter**.

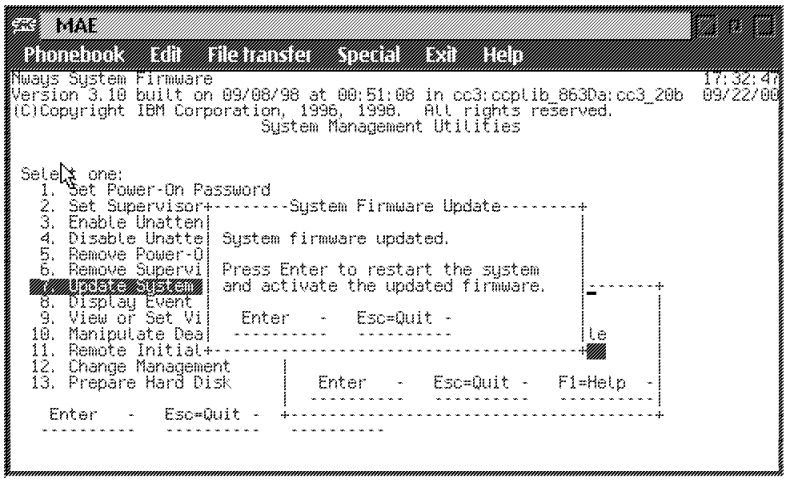


__ 12. Several windows are displayed following by:



Note: Do not switch the system off. The process erases the old firmware and copies the new firmware into flash memory. If the machine is powered off before the process is complete, you will need to reload the firmware from the recovery image.

__ 13. A completed message appears when the firmware is updated.



__ 14. Press **Enter** to restart the system.

__ 15. Press the **Space bar** to get the console.

__ 16. Then close the ASCII window.

__ 17. Using the installation instructions **PN 02L1268**, install the new hardware required to support FC 3001 when completed go to 10.2.1, “Applying the Latest MCFs Received..”

10.2.1 Applying the Latest MCFs Received.

Important

Did you receive from your Support Center any MCFs to be installed on the new LIC?

No Go to 10.3, “Procedure 2 - 3746-9x0 Code Level Upgrade.” on page 32

YES Apply the MCFs received according to procedure **'Handling the Micro-code Fixes on the Licensed Internal Code'** listed in the SPIM or Service User's Guide shipped with your SP.

End of Procedure 1, Go to 10.3, “Procedure 2 - 3746-9x0 Code Level Upgrade.” on page 32.

10.3 Procedure 2 - 3746-9x0 Code Level Upgrade.

Important

Ask the Customer for a maintenance window on the 3746-9x0 with traffic deactivated.

10.3.1 3746-9x0 EEPROM Upgrade.

__ 1. Click on **3746-9x0 Menu**.

__ 2. Click on **Change Management**.

__ 3. Double click on **Upgrade/Downgrade EEPROM**.

__ 4. The **Upgrade Status** area will show the processors to be changed in reverse video.

__ 5. Click on **OK** to start the upgrade function, wait (up to 10 minutes) until the Upgrade Status is completed for each processor.

__ 6. Click on **Cancel** to leave the function.

10.3.2 Saving Configuration Parameters

__ 1. Double click on the **Service Processor** icon.

__ 2. Click on **Operation Management**.

__ 3. Double click on **Manage Disks and Databases**.

__ 4. Use the radio button to select **Save databases on diskette** to save the configuration parameters. When prompted, insert **Configuration Parameters diskette** (PN 02L3427) into the diskette drive.

__ 5. Click on **OK** and wait for completion. If error, record the message and contact support.

__ 6. Remove the diskette, then click on **Cancel** to exit from the function.

10.3.3 Updating Installation Parameters Diskettes

Once you have upgraded the hardware of the machine, you have to regenerate the format on the Installation Parameters Diskettes using the following procedure: (Duration approximately 13 minutes)

__ 1. On the **Service Processor** menu, click on **Configuration Management**, click on **Manage 3745/3746 Installation/Removal**.

__ 2. On the **Controller Installation** menu, Click on the **3746-9x0** installed, then Click on **SAVE**.

Following pop up window confirming **Saving Active CDF-E as Reference**:

__ 3. Insert the **3746-900 installation parameters diskette (PN 17G5878)** of the 3746-9x0, then click on **OK**.

__ 4. On the third pop up screen confirming CDF-E saved to diskette, remove diskette as instructed, click on **OK**.

__ 5. Perform the above saving procedure for the backup diskettes, then click on **Cancel**.

10.3.4 Performing a General IML.

__ 1. On the **MOSS-E View** screen, double click on the **3746-9x0** icon.

__ 2. On the **3746-9x0 Menu** screen, click on **Operation Management**.

__ 3. Double click on **Perform a General IML**; Then click on **Yes** button

__ 4. On the **Perform a General IML** window, click on **NO** to start an IML without diagnostic.

Important Note

Following this installation of code you can get a lot of **SRC/error messages** about IP. **Ignore** these messages and using CCM **re-activate** the configuration currently in use. When opening or activating this configuration, take the option to **migrate** this configuration.

All the other configurations have to be migrated. This migration is done only once when opening or activating the configuration for the first time.

End of Procedure 2..

Is another 3746-9x0 installed?

- **Yes,** Go to 10.3, “Procedure 2 - 3746-9x0 Code Level Upgrade.” on page 32.
- **No,** Go to 10.4, “Returning the Machine to Customer” on page 34.

10.4 Returning the Machine to Customer

If you are migrating a MAE from FC 3000 to FC 3001, read the following note.

Note: If your customer has decided to remove the Token-ring link between the MAE and the 3746-9X0 (no more APPN traffic between the MAE and 3746), ask him to update his configuration to remove the definition of the resources used for this link.

Go To

Before starting the installation of this EC, which level of code was installed on your SP ?

- Microcode EC **F12380X** or above (microcode available on **CD-ROM**), go to 10.4.2, “Logging OFF from Service Processor.” on page 36
- Any other EC level **prior to F12380** (microcode available on **OD**) , go to 10.4.1, “Adapter Code Loading per Processor Type..”

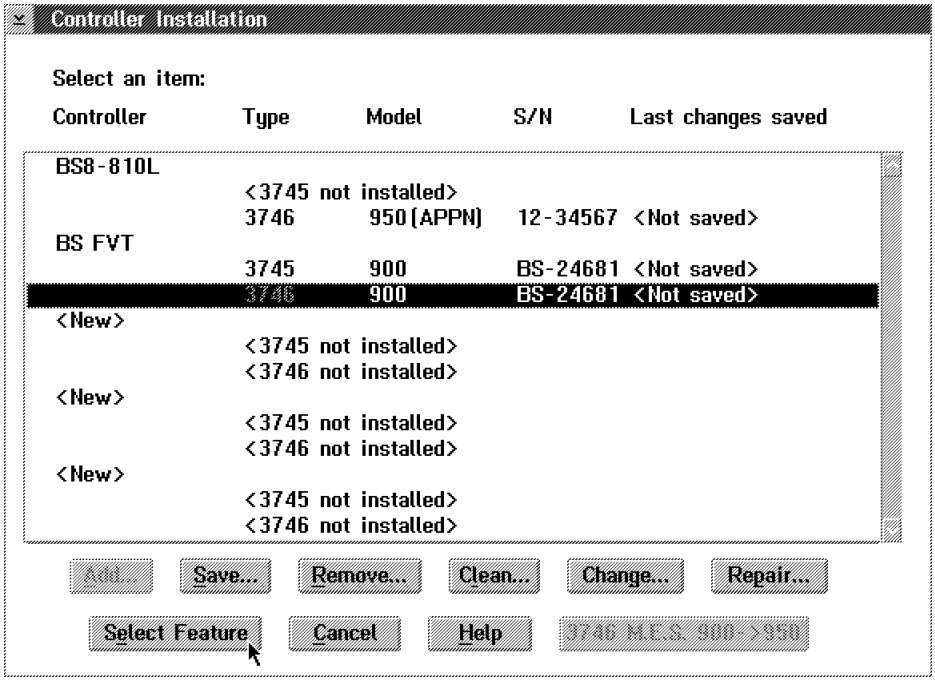
10.4.1 Adapter Code Loading per Processor Type.

Note

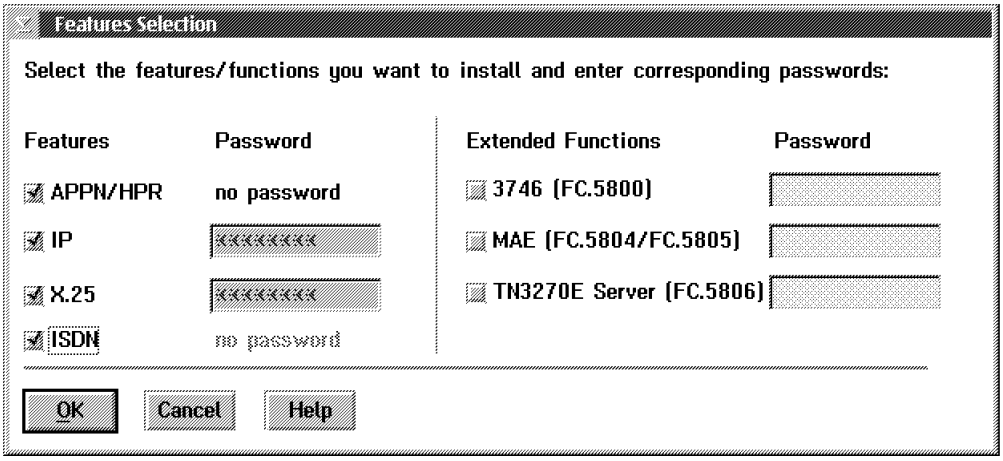
This procedure is used to define which network routing protocol is loaded per processor type. If your customer do not want to specify this information, go to 10.4.2, “Logging OFF from Service Processor.” on page 36 (All protocols will be loaded in all type of processors).

__ 1. On the **Service Processor** menu, click on **Configuration Management**, then click on **Manage 3745/3746 Installation/Removal**

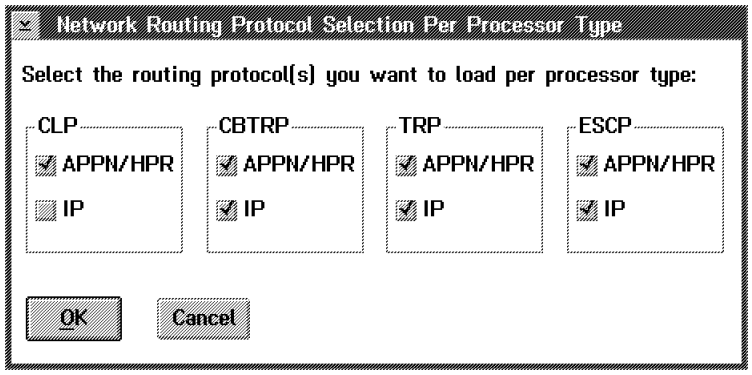
__ 2. On the **Controller Installation** menu, select the 3746-9x0 by clicking on the **<3746-9x0>** line, then click on **"Select Feature"**.



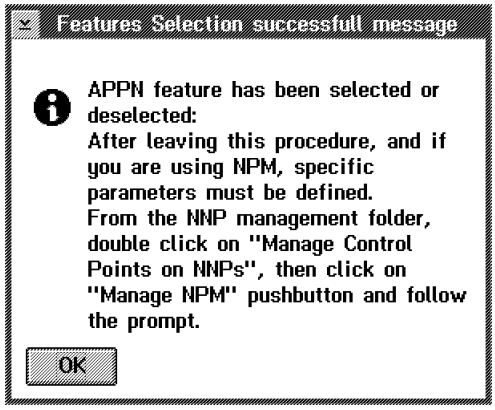
__ 3. On the **Feature Selection** menu, click on **OK**.



__ 4. According to the customer's requirement, On the **Network Routing Protocol Selection Per Processor Type** menu, disable or enable the protocol loaded per processor type, then click on **OK** button.



__ 5. Read the information message, then click on **"OK"** button.



__ 6. When completed, click on **"OK"** and perform a general IML to activate the feature installed, then go to 10.4.2, “Logging OFF from Service Processor.”

10.4.2 Logging OFF from Service Processor.

__ 1. On **MOSS-E View** window, click on **Program**.

__ 2. Click on **LOG OFF MOSS-E**.

11.0 Test Procedures

Not applicable.

12.0 Field Updating

None.

After Installation (13-15)

13.0 Publications Update

None.

14.0 Parts Disposition

If during the installation of this EC you had to remove an optical disk drive, which is the property of IBM you MUST RETURN this Optical Disk Drive according to your local procedure.

The LIC (Optical Disk) is declared as Sensitive parts. Keeping the Master and Back-up Disks, RETURN all extra Optical disks to your local Branch office, to be returned to plant of Manufacturing HAVANT.

15.0 Machine Records

- Install updated machine history provided.
- Report the installation (as MES activity) and quality according to the existing procedure.

End of instructions.