

**Installation of
Field Feature Bill of Material (FFBM)**

PN 10K8654

**Install Network Node Control Point (NNP-A)
Type 4
(Based on 6563)
Feature Code 5424
on IBM 3746-900.**

Written by: C. Vallee
Modified by: K. Kubovcik
Checked by: C. Franoux
Approved by: A. Badino
Reviewed by: A. Bowen

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Before Installation (Steps 1-8)

1.0 Machines Affected

3746 Model 900 with service processor type: 6563-65U, 6275-56U, 6275-83U, 7585-P02, or 3172-P90.

This feature should only be applied on the machine serial number for which it is specified.

2.0 Related BMs and ECs

2.1 Prerequisites

(Must be installed prior to this installation)

Feature	Title
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5424	Service Processor type 6563-65U
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5053	Service Processor type 6275-56U or 6275-83U or
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5052	Service Processor type 7585-P02 or
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5021	Service Processor type 3172-P90
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EC	Title
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F64810D	Licensed Internal Code (Minimum level)
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Checkpoint: Check that the TSP EC Level is F64814.009 or higher.

Note: Refer to the *SPIM* or the *Service User's Guide* shipped with the service processor, verify that the code is at EC **F64810** or above.

Use the procedure: **Displaying the EC Level of the Code installed on the hard disk**. If the EC of the code installed is prior to F64810, use the installation instructions to install the new level of code shipped.

2.2 Concurrent ECs

(Must be installed together)

None.

2.3 Companion ECs

(May be installed together)

None.

3.0 BMs to be Installed

Feature

B/M Title

10K8654 Network Node Processor A (NNP-A) Feature Code 5424

4.0 Preparation

1. Familiarize yourself with the purpose and details of the installation instruction before negotiating machine time with the customer.
2. Check all items listed on the BM(s) to determine that all parts have been received. Refer to Chapter 1 in the *Network Node Processor Installation and Maintenance (Based on 6563), SY27-0394*.
3. Obtain from the customer the **Parameter worksheet**.

5.0 Programming

None.

6.0 Purpose and Description

6.1 Purpose

To support the APPN, X25, IP, ISDN, or MAE functions on 3746-900.

6.2 Description

The installation of the NNP-A is divided into three main steps:

1. Installing the **NNP** code on the **SP** hard disk.
2. Installing the 6563-65U system unit.
3. Loading the code on the NNP-A.

Note: Step 2 and 3 are documented in the *Network Node Processor Installation and Maintenance (Based on 6563), SY27-0394*.

7.0 Installation Time

FFBM	Machine Hrs.	System Hrs.	Nbr of CEs
10K8654	1.0	1.0	1

Note: To reduce the MES installation time it is recommended that you load the Network Node Processor Code on the Service Processor and install the system unit at the same time.

8.0 Tools/Material Required

None.

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Installation (Steps 9-12)

9.0 Safety

Review the **Safety Notices** and the **Safety Inspection Procedures** located at the beginning of the *IBM 3745 Communication Controller All Models, IBM 3746 Expansion Unit Model 900, IBM 3746 Nways Multiprotocol Controller Model 950 Safety Information*, GA33-0400.

10.0 Details of Installation.

10.1 Installing the NNP Code on the SP hard Disk.

Attention: Ensure you are using the correct 3746 serial number before starting this installation.

For any unexpected message or error concerning the service processor, go to the chapter **Problem Determination** of the SPIM shipped with your service processor.

On the Service Processor

- ___ 1. Enter the **Service Processor Maintenance** password (default is IBM 3745).
- ___ 2. Double click on the **Service Processor** object icon.
- ___ 3. Click on **Configuration Management**
- ___ 4. Insert the **Licensed Internal Code CD-ROM** in the CD-ROM drive.
- ___ 5. Double click on the **Install 3746 and NNP LIC on SP Hard Disk**, then follow the prompts.
- ___ 6. Wait (Up to 10 minutes) for the message: **Operation successfully completed.**

10.2 Installing and Connecting the NNP

Note: For any unexpected message or error concerning the NNP-A, go to the chapter **Problem Determination** in the *Network Node Processor Installation and Maintenance (Based on 6563), SY27-0394*.

- ___ 1. Using the *Network Node Processor Installation and Maintenance (Based on 6563), SY27-0394*, go to chapter 1 and install the NNP following the instructions to install a NNP-A. When completed go to the next step.
- ___ 2. Ask the customer for a maintenance window on 3746-900 with traffic deactivated.

10.3 Returning the Machine to the Customer

Before you start...

Perform the following procedure to define the network routing protocol to be loaded per processor type. If the customer does not want to specify this information, perform the following steps to log off from the service processor:

1. Perform a general IML.
2. On **MOSS-E View** window, click on **Program**.
3. Click on **LOG OFF MOSS-E**.

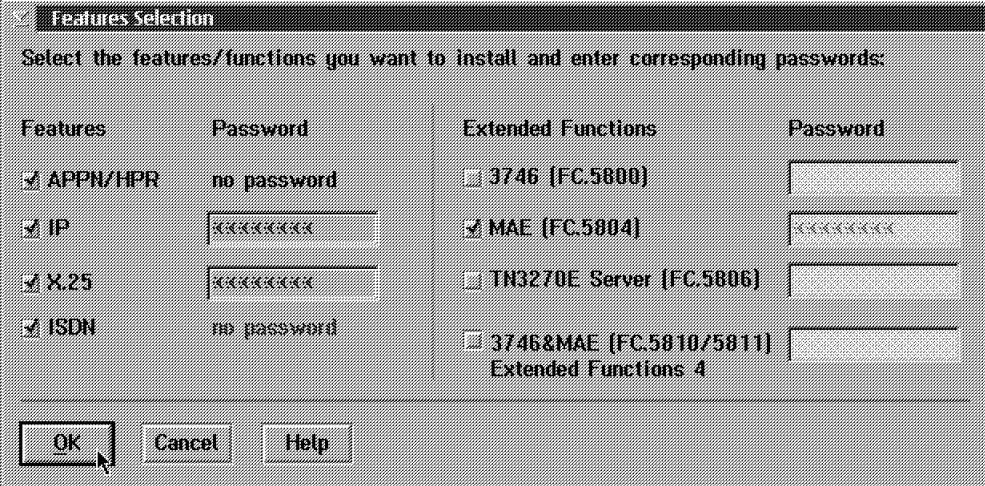
(All protocols will be loaded in all types of processors.)

1. On the **Service Processor** menu, click on **Configuration Management**, then double 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**.

Controller	Type	Model	S/N	Last changes saved
BS8-810L	<3745 not installed>			
	3746	950 (APPN)	12-34567	<Not saved>
BS FVT	3745	900	BS-24681	<Not saved>
	3746	900	BS-24681	<Not saved>
<New>	<3745 not installed>			
	<3746 not installed>			
<New>	<3745 not installed>			
	<3746 not installed>			
<New>	<3745 not installed>			
	<3746 not installed>			

Buttons: Add, Save..., Remove..., Clean..., Change..., Repair..., Select Feature, Cancel, Help, 3746 M.E.S. 900->950

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



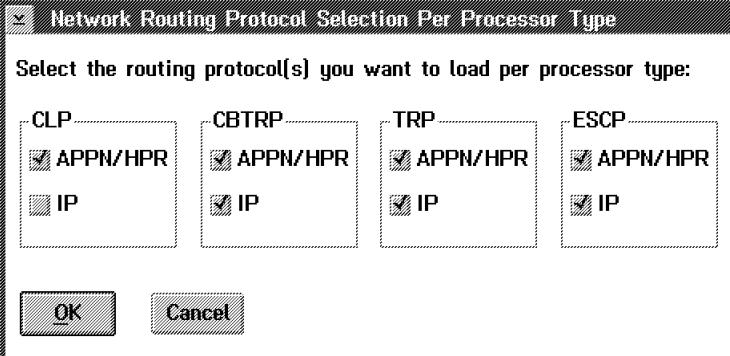
Features Selection

Select the features/functions you want to install and enter corresponding passwords:

Features	Password	Extended Functions	Password
<input checked="" type="checkbox"/> APPN/HPR	no password	<input type="checkbox"/> 3746 (FC.5800)	
<input checked="" type="checkbox"/> IP	xxxxxxx	<input checked="" type="checkbox"/> MAE (FC.5804)	xxxxxxx
<input checked="" type="checkbox"/> X.25	xxxxxxx	<input type="checkbox"/> TN3270E Server (FC.5806)	
<input checked="" type="checkbox"/> ISDN	no password	<input type="checkbox"/> 3746&MAE (FC.5810/5811)	
		Extended Functions 4	

OK Cancel Help

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.



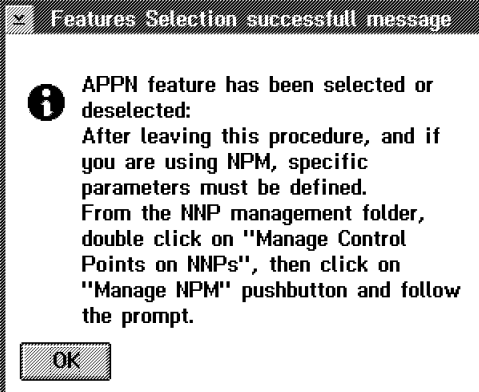
Network Routing Protocol Selection Per Processor Type

Select the routing protocol(s) you want to load per processor type:

CLP	CBTRP	TRP	ESCP
<input checked="" type="checkbox"/> APPN/HPR	<input checked="" type="checkbox"/> APPN/HPR	<input checked="" type="checkbox"/> APPN/HPR	<input checked="" type="checkbox"/> APPN/HPR
<input type="checkbox"/> IP	<input checked="" type="checkbox"/> IP	<input checked="" type="checkbox"/> IP	<input checked="" type="checkbox"/> IP

OK Cancel

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



Features Selection successfull message

i APPN feature has been selected or deselected:
 After leaving this procedure, and if you are using NPM, specific parameters must be defined.
 From the NNP management folder, double click on "Manage Control Points on NNPs", then click on "Manage NPM" pushbutton and follow the prompt.

OK

6. When completed, click on **OK** and perform a general IML to activate the feature installed.

11.0 Test Procedures

No test required.

12.0 Field Updating

None.

After Installation (Steps 13-15)

13.0 Field Updating

None.

14.0 Publications Update

None.

15.0 Parts Disposition

15.1 Purchased Machines

Refer to the parts ownership matrix to determine the correct owner of removed/unused parts.

- For EMEA/APG/AG Areas, refer to *Hardware and General Service Code Description*.
- For Domestic Areas, return parts to the customer.

16.0 Machine Records

- Install the new **MACHINE HISTORY** supplied.
- Report installation and quality problems using existing procedures.

End of instructions.

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