```
ECCPCG20                IBM PC NETWORK BRIDGE PROGRAM            Page 2 of 4
                           Configuration Program                  01:16:35
-------------------------------------------------------------------------------
Type the desired values in each of the fields below. -
Press F6 (Save) to save the configuration parameters to the file ECCPARMS.BIN.
Press F3 (Exit) to exit to DOS.


                                    LAN SEGMENT 001   LAN SEGMENT 002

   Hop count limit.................. [7]               [7]    (1-7)


   ENABLED FUNCTIONAL ADDRESSES

      Parameter server.............. [Y]               [Y]    (Y=Yes, N=No)
      Error monitor................. [Y]               [Y]    (Y=Yes, N=No)
      Configuration report server... [Y]               [Y]    (Y=Yes, N=No)


<--Any message occurring while this panel is active will be displayed here-->
F1=Help      F3=Exit                                                  PgUp ↑
F6=Save                                                               PgDn ↓
```

Figure 2-3. The Configuration Program with Default Parameters (Page 2 of 4)

Refer to the *IBM Local Area Network Administrator's Guide* and Appendix C for more information about selecting values for the parameters shown on this panel.

Hop Count Limit

Explanation: This parameter specifies the number of consecutive bridges through which a broadcast frame can travel, including the current bridge. Hop count does not apply to non-broadcast frames or to single-route broadcast frames.

If the number of bridges the frame has passed through is equal to or greater than this hop count limit value, the frame will not be transmitted further.

Note: In Versions 1.0 and 1.1 of the IBM Token-Ring Network Bridge Program, hop count applied to all types of broadcast frames. In Versions 2.0 and 2.1 of the IBM Token-Ring Network Bridge Program and the IBM PC Network Bridge Program, hop count does not apply to single-route broadcast frames.

Parameter Server

Explanation: This parameter specifies for each LAN segment whether the Parameter Server functional address is enabled; that is, whether the Bridge Program will copy and process frames destined for this function.

The Parameter Server provides the LAN segment number to an adapter when the adapter is attaching to the LAN segment, and sends a notification to one or more network manager programs when a new adapter has attached to the LAN segment.

Error Monitor

Explanation: This parameter specifies for each LAN segment whether the Error Monitor functional address is enabled; that is, whether the Bridge Program will copy and process frames destined for this function.

For the IBM Token-Ring Network, the Error Monitor:

- Compiles error statistics reported by adapters on either token-ring network segment
- Analyzes the statistics to determine a probable cause of errors degrading network operation
- Sends reports to indicate critical problems to the network manager programs that have requested reports
- Updates the LAN Segment Status area of the Bridge Program panels to **Soft Error** when necessary.

For the IBM PC Network, the Error Monitor updates the LAN Segment Status area of the Bridge Panels to **Cont. Carrier** or **No Carrier** when necessary.

For the IBM Token-Ring Network, if the Error Monitor parameter value is **N (No)**, the Bridge Program will not display error information for that token-ring network segment. The error information on the Network Status Details panel will be zeros, and the LAN segment status **Soft Error** will not be displayed on the Bridge Program panels when soft errors occur.

For the IBM PC Network, if the Error Monitor parameter value is **N (No)**, the Bridge Program will be unable to report new stations to the IBM LAN Manager. The Bridge Program will also lose the ability for

the IBM LAN Manager to request a list of the active stations on the IBM PC Network segments connected by that bridge.

Configuration Report Server

Explanation: This parameter specifies for each token-ring network segment whether the Configuration Report Server functional address is enabled; that is, whether the Bridge Program will copy and process frames destined for this function.

The Configuration Report Server sends notifications about the current active configuration of each token-ring network segment to the IBM LAN Manager programs that request reports. It reports changes in nearest active upstream neighbor (NAUN) addresses and active monitor on the token-ring network segment.

Note: The Configuration Report Server is for **only** the IBM Token-Ring Network and should be set to **N (No)** for the IBM PC Network.

```
ECCPCG30                IBM PC NETWORK BRIDGE PROGRAM              Page 3 of 4
                           Configuration Program                    01:16:35
------------------------------------------------------------------------------
Type the desired values in each of the fields below.
Press F6 (Save) to save the configuration parameters to the file ECCPARMS.BIN.
Press F3 (Exit) to exit to DOS.

Single-route broadcast selection mode...  [M]  (M=Manual, A=Automatic)

 ┌──────────────────────────────────────────────────────────────────────┐
 │                                LAN SEGMENT 001    LAN SEGMENT 002    │
 │                                                                      │
 │ Single-route broadcast.....[Y]                   [Y]  (Y=Yes, N=No)  │
 │                                                                      │
 └──────────────────────────────────────────────────────────────────────┘

<--Any message occurring while this panel is active will be displayed here-->
F1=Help      F3=Exit                                                 PgUp ↑
F6=Save                                                              PgDn ↓
```

Figure 2-4. The Configuration Program with Default Parameters (Page 3 of 4)

Single-Route Broadcast

Explanation: Use this parameter to specify if single-route broadcast frames are to be passed from one LAN segment to the other through the bridge computer.

You can choose to set the single-route broadcast parameter manually or automatically for the bridges in your network.

Manual Mode

If you choose the **M (Manual)** mode, you must set the single-route broadcast parameter for each bridge in your network.

If you set this parameter value to **Y (Yes)**, the LAN segment adapter receives all single-route broadcast frames and passes them to the other LAN segment.

If you set this parameter value to **N (No)**, all single-route broadcast frames received from the LAN segment are discarded.

See Figure 2-4 on page 2-23 for an example of the panel that will be displayed if you choose the **M (Manual)** mode.

For more information about setting the single-route broadcast parameter value, see "Single Route Broadcast — Manual Mode" on page C-7. For the IBM Token-Ring Network, also see the section "Bridges" in the *IBM Local Area Network Administrator's Guide*. For the IBM PC Network, also see "Single-Route Broadcast Information" on page C-6 for more information about setting the single-route broadcast parameter.

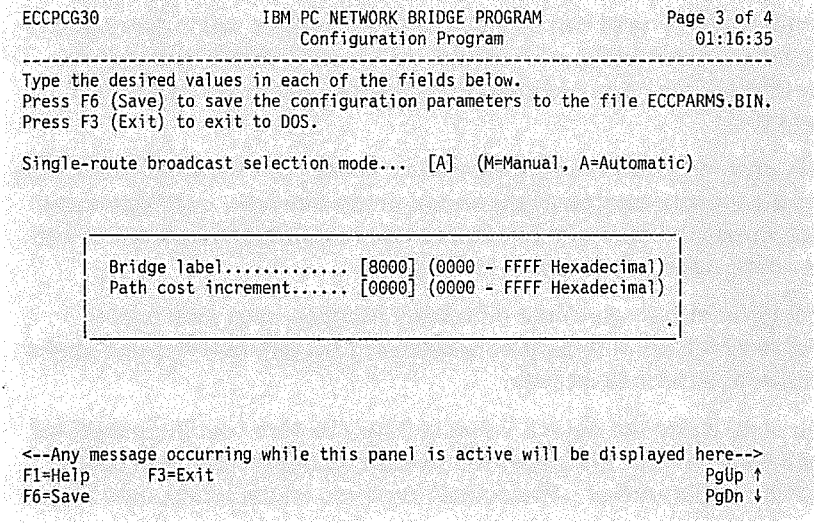


Figure 2-5. The Configuration Program with Default Parameters (Page 3 of 4)

Automatic Mode

If you choose the **A (Automatic)** mode, the Bridge Program will communicate with other Bridge Programs to determine how to set the single-route broadcast parameter value to **(Y) Yes** or **(N) No** to make up for changes in the network configuration. If you choose the **(A) Automatic** mode, **all** bridges in the network also should be set to **(A) Automatic**.

You can specify the path cost and bridge label, which are used by automatic single-route broadcast to determine the parameter settings.

The **bridge label** is a 2-byte hexadecimal number that you can assign to each bridge. The bridge label combined with the adapter address of the adapter connecting the bridge to the LAN segment with the lowest LAN segment number is the **bridge ID**.

The automatic single-route broadcast function uses the bridge ID to decide which one of two or more parallel bridges will forward single-route broadcast frames. For more information about setting this parameter, see "Single-Route Broadcast — Automatic Mode" on page C-11.

Path cost indicates the relative length of the path between this bridge and a centrally located (root) bridge in the network. A bridge's path cost equals the sum of the increments of the bridges between it and the root bridge, plus its own increment.

The automatic single-route broadcast function uses path cost to decide which parallel path between two LAN segments to use as the single-route broadcast path.

You should use the default value of 0 for the path cost increment for the bridge. Table 2-3 shows the default values for the path cost increment parameter. The default depends on the types, data rates, and combination of the adapters used in the bridge computer.

Table 2-3. Path Cost Increment Default Values

	PC Network Adapters/A	**Token-Ring Network Adapter/A at 4 Mbps**
PC Network Adapters/A	16	20
Token-Ring Network Adapter/A at 4 Mbps	20	16
Token-Ring Network 16/4 Adapter/A at 4 Mbps	68	40
Token-Ring Network 16/4 Adapter/A at 16 Mbps	65	34

	Token-Ring Network 16/4 Adapter/A at 4 Mbps	**Token-Ring Network 16/4 Adapter/A at 16 Mbps**
PC Network Adapters/A	68	65
Token-Ring Network Adapter/A at 4 Mbps	40	34
Token-Ring Network 16/4 Adapter/A at 4 Mbps	64	40
Token-Ring Network 16/4 Adapter/A at 16 Mbps	40	16

If you have a specific need to use a value other than the default, see "Single-Route Broadcast — Automatic Mode" on page C-11.

Warning: If your network contains bridges using Versions 1.0 and 1.1 of the IBM Token-Ring Network Bridge Program or non-IBM bridge programs, the Bridge Program will not recognize their existence. This can cause the following problems:

- Some LAN segments can become isolated from the network.
- Some LAN segments can receive duplicate single-route broadcast frames.

The Bridge Program **will** recognize bridges using the IBM Token-Ring Network Bridge Program, Version 2.0 or 2.1.

For more information about setting the single-route broadcast parameter value, see "Single-Route Broadcast — Automatic Mode" on page C-11. For the IBM Token-Ring Network, also see the section "Bridges" in the *IBM Local Area Network Administrator's Guide*. For the IBM PC Network, also see"Single-Route Broadcast Information" on page C-6 for more information about setting this parameter.

See Figure 2-5 on page 2-25 for an example of the panel that will be displayed if you choose the **A (Automatic)** mode.

Note: In this version of the *IBM PC Network Bridge Program User's Guide*, limited broadcast will be referred to as single-route broadcast.

```
ECCPCG40                IBM PC NETWORK BRIDGE PROGRAM              Page 4 of 4
                           Configuration Program                    01:16:35
------------------------------------------------------------------------------
Type the desired values in each of the fields below.
Press F6 (Save) to save the configuration parameters to the file ECCPARMS.BIN.
Press F3 (Exit) to exit to DOS.
Press F5 (Clear Fields) to clear all the fields if any errors have been made.

Passwords must be 6-8 alphanumeric characters.
New password must be typed twice to confirm.

                              OLD              NEW              NEW

   Link password 0..... [        ]   [        ]   [        ]

   Link password 1..... [        ]   [        ]   [        ]

   Link password 2..... [        ]   [        ]   [        ]

   Link password 3..... [        ]   [        ]   [        ]


<--Any message occurring while this panel is active will be displayed here-->
F1=Help      F3=Exit                              F5=Clear Fields
F6=Save                                                        PgUp ↑
```

Figure 2-6. The Configuration Program with Default Parameters (Page 4 of 4)

Link Passwords

Explanation: The Bridge Program uses these passwords to determine that an IBM LAN Manager program is authorized to establish a reporting link with the Bridge Program. The IBM LAN Manager program requests and receives network management reports and notifications from the Bridge Program over the link. The controlling IBM LAN Manager program (the program that established link 0) can change some Bridge Program configuration parameters in the bridge computer memory. Bridge configuration parameter values changed by the IBM LAN Manager are permanently recorded by writing them to the ECCPARMS.BIN file.

The IBM LAN Manager program must give a valid password when it is establishing a link or the link request will be rejected. Note that if the link password is not changed from the default, which is 00000000, the IBM LAN Manager link must still specify that the password is "00000000."

Up to four IBM LAN Manager programs can establish a reporting link with the Bridge Program at the same time. Each IBM LAN Manager program must use its own link password.

The completed Bridge Planning Chart should show any link passwords used instead of the defaults. Give a copy of the passwords to the person who will configure the IBM LAN Manager programs that will communicate with your bridge. Keep the Bridge Planning Chart in a safe place for future reference.

Notes:

1. If there are no IBM LAN Manager programs in the network, use the link password defaults.
2. The password must consist of 6-8 alphanumeric characters, or the symbols @, #, $, and %.
3. The passwords do not have to be unique.
4. The Configuration Program panels do *not* display the passwords before, during, or after you type them.
5. The default for the old password is eight zeros. You must type in the eight zeros for the old password if you have never changed the password and are typing in a new password.
6. If the old password is not available, you must erase the ECCPARMS.BIN configuration file and use the Configuration Program to build the file again from the beginning in order to change the password. When there is no existing configuration file, the old passwords are the defaults (00000000).
7. Press **F5 = Clear Fields** to clear the link password fields if you make an error while typing the entries.

Other Record-Keeping

In addition to completing the Bridge Planning Chart, you should add certain information to your other network records.

For token-ring network information, refer to the *IBM Token-Ring Network Introduction and Planning Guide* for information on locating, completing, and updating the following planning charts:

- On the *Cabling Chart* for the access unit you are using, indicate which lobe receptacles have bridges attached to them.
- *Locator Charts*. Indicate in the "Device Identification" column that the device is used as a bridge.

  In the "LAN Segment Number" column, indicate the number of the adapter's own LAN segment as well as the number of the LAN segment that the other half of the bridge serves.
- *Ring Sequence Chart*. Fill out one chart for each ring that has bridges attached to it. Indicate the bridge number next to the access unit to which it is attached.

For IBM PC Network information, refer to the *IBM PC Network Broadband Planning Guide* or the *IBM PC Network Baseband Planning Guide* and your professional network designer and installer. Update your network documentation as required.

These documents will assist you in installing your network and performing problem determination procedures.

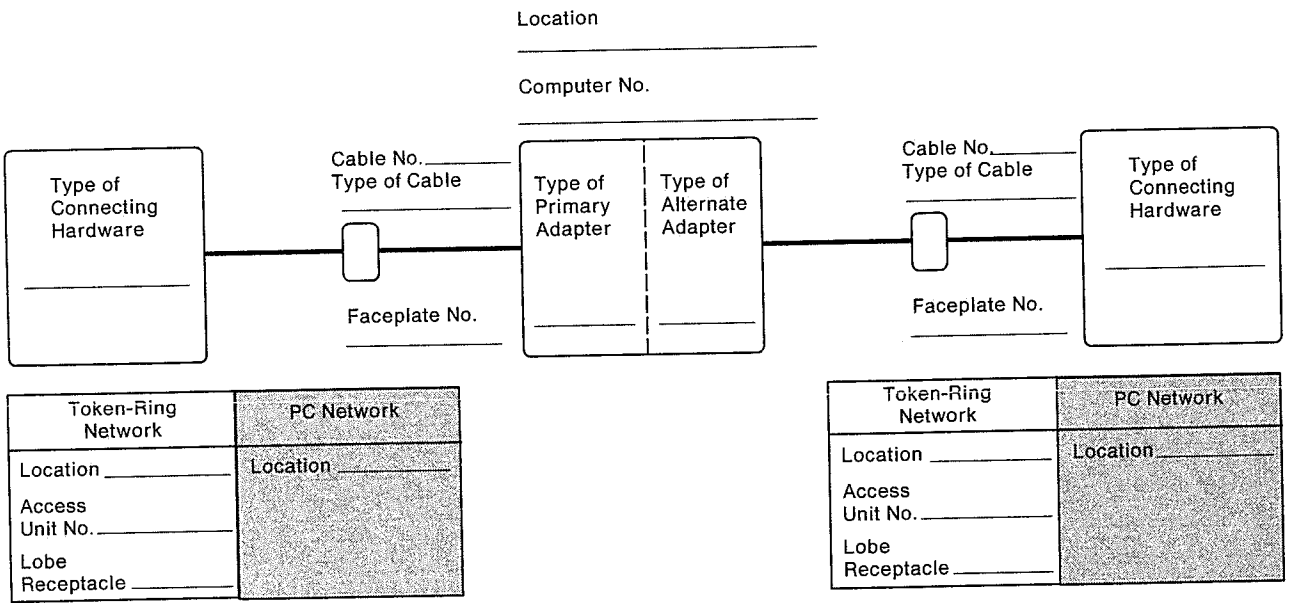
Bridge Planning Chart

Date _____

Bridge Name or Number _____

Check one: Load using a DOS command ____ Load automatically ____

Section 1 — Physical Connections



Section 2 — Bridge Installation Parameters

	Primary Adapter	Alternate Adapter
Adapter name		
Adapter data rate (token-ring network adapter only)		
Locally administered address (Defaults = 000000000000)		
Shared RAM address (Defaults = 0000) (token-ring network adapter only)		
Early Token Release (Defaults = N) (token-ring network adapter only)		

Continued on other side

Section 3 — Bridge Configuration Parameters

Check one: Alter configuration ____ Use defaults ____

Bridge number (Default = 1)	
LAN segment number connected to primary adapter (Default = 001)	
LAN segment number connected to alternate adapter (Default = 002)	
Frame forwarding active (Default = Y)	
Bridge performance threshold (Default = 10)	
Restart on error (Default = Y)	
Drive for memory dump on error (Default = 0)	
Drive for error log (Default = 0)	

	Primary Adapter	Alternate Adapter
Hop count limit (Defaults = 7)		
Parameter server (Defaults = Y)		
Error monitor (Defaults = Y)		
Configuration report server (Defaults = Y)		

Single-route broadcast selection mode (Default = M)	

For manual selection mode only:	Primary Adapter	Alternate Adapter
Single-route broadcast (Defaults = Y)		

For automatic selection mode only:	
Bridge label (Default=8000)	
Path cost (Default=0000)	

	Old	New
Link password 0 (Default = 00000000)		
Link password 1 (Default = 00000000)		
Link password 2 (Default = 00000000)		
Link password 3 (Default = 00000000)		

Write a dash **(—)** when using default.

Hardware Installation

1 Before you can successfully load and operate the Bridge Program, you must:

a. Install two network adapters suitable for the bridge computer and the networks you are connecting.

Refer to Table 3-1 on page 3-3 to configure the adapters according to your network configuration.

1) Check the box corresponding to the adapter combination you are installing in your bridge computer.
2) Choose one adapter to be the primary adapter and configure it according to the table.
3) Configure the other adapter as the alternate adapter according to the table.

Notes:

a) If you are using an IBM PC Network adapter and an IBM Token-Ring Network adapter in the bridge computer, configure the IBM PC Network adapter as the primary adapter.

b) The type of adapters installed in the bridge computer affects the largest frame size that the Bridge Program can support. For more information about the largest frame size, see page 4-22.

b. Follow the installation instructions in the publications packaged with the adapters and connect the cables to the correct hardware.

c. Verify the correct operation of the adapters in the bridge computer by running the adapter diagnostics. (See "Diagnostic Tests" on page 1-8.)

d. Connect each adapter cable to one of the following:

- Hardware (such as a splitter) for one or both PC network segments, or
- A faceplate or an access unit for one or both segments of the token-ring network.

Table 3-1. Network Adapter Settings

Check Adapter Combination	**Primary** Network Adapter Settings	**Alternate** Network Adapter Settings
	PC Network and PC Network	
	Adapter: ***0*** Interrupt request: ***2*** Memory mapping: ***Standard*** ROM: ***Enabled***	Adapter: ***1*** Interrupt request: ***3*** Memory mapping: ***Alternate*** ROM: ***Disabled***
	PC Network and Token-Ring Network	
	Adapter: ***0*** Interrupt request: ***2*** Memory mapping: ***Standard*** ROM: ***Enabled***	Adapter: ***1*** Interrupt level: ***3*** ROM address: ***DC000***
	Token-Ring Network and Token-Ring Network	
	Adapter: ***0*** Interrupt level: ***2*** ROM address: ***CC000***	Adapter: ***1*** Interrupt level: ***3*** ROM address: ***DC000***

Note: If you are installing an IBM Token-Ring Network 16/4 Adapter/A in the bridge computer, you must set the RAM size to 16 KB. See the *Guide to Operations* packaged with the adapter for more information about setting RAM size.

If you are installing an IBM Token-Ring Network Adapter/A in the bridge computer, you must set the RAM size to 16 KB. See the *Installation and Testing Instructions* packaged with the adapter for more information about setting RAM size.

2 Check communication on the network.

You should check the ability of each adapter to communicate on its LAN segment by trying to send a message between two adapters on the network using an application program.

- For the IBM PC Network, use the Advanced Diagnostic diskette that comes with the *IBM PC Network Hardware Maintenance and Service* manual.
- For the IBM Token-Ring Network, use the "Ring Test" option of the Ring Diagnostic as described in the *IBM Token-Ring Network Problem Determination Guide.*

  Instructions for "Checking of the Ring" are also included in the *IBM Token-Ring Network Installation Guide.*

Software Installation

Bridge Program Installer

You can install and configure the Bridge Program in either of two ways:

1. On each dedicated bridge computer in your network or
2. On a working diskette on one computer for all of the bridge computers in your network.

   If you choose the second option, you will need one diskette formatted with the /S option for each bridge computer.

   The computer you use to create these installation and configuration diskettes must have at least two diskette drives or one fixed disk and one diskette drive.

You can install the Bridge Program by using the Installation Program packaged with the Bridge Program or by copying the files you need (using the DOS COPY command) and editing the CONFIG.SYS file. The Installation Program simplifies the job of copying files onto the working disk or diskette and editing the CONFIG.SYS file and AUTOEXEC.BAT file.

If you are an experienced DOS user, you may want to customize the CONFIG.SYS file without using the Installation Program. Appendix B contains the statements you need to include in the CONFIG.SYS file for either the fixed disk or the working diskette. See "Instructions to Load the Bridge Program Using a Batch File" on page 4-4 for more information about creating or modifying the AUTOEXEC.BAT file.

Preparing a Backup Copy of the Bridge Program

Before you use the Bridge Program, follow these steps to prepare a copy of the Bridge Program's modules and files.

1. Use the DOS DISKCOPY command to make a copy of the Bridge Program's modules and files. See your DOS reference manuals for more information on DOS commands.

2. Using a felt-tip pen, label the diskette **Bridge Program Backup Copy**.

3. After you have prepared this copy, store the original Bridge Program diskette in a safe place for its protection.

Installing and Configuring the Bridge Program on a Fixed Disk

Use the procedure in this section to install the Bridge Program on a fixed disk. The fixed disk can be on the bridge computer or another computer from which you can create working diskettes for all bridge computers in your network.

CONFIG.SYS File

The Installation Program creates a new CONFIG.SYS file in the root directory of the fixed disk with the commands to load the required adapter support when the computer is started. If you already have a CONFIG.SYS file on the fixed disk, it will be saved under the name CONFIG.SAV. If you want to use DOS commands to create or edit the CONFIG.SYS file, see Appendix B.

AUTOEXEC.BAT File

The Installation Program creates a new AUTOEXEC.BAT file in the root directory so that the Bridge Program will be loaded automatically. If you already have an AUTOEXEC.BAT file in your root directory, it will be saved under the name AUTOEXEC.SAV. The new AUTOEXEC.BAT file contains the command **ECCMAIN**.

Note: For more information on DOS commands and fixed disk directories, see your DOS manuals.

Installation and Configuration Steps

1 Make sure you use DOS 3.3 or later to prepare the fixed disk as described in the *DOS Reference* manual. To check the version that is currently loaded, use the DOS VER command.

Warning: Do not format a disk that already has been prepared and contains files. Existing files will be erased if you do this.

Note: If you are using a new computer as the bridge computer, be sure to prepare the fixed disk before installing the Bridge Program. See the *DOS Reference* manual for more information.

2 Insert the **Bridge Program Backup Copy** of the Bridge Program into drive A.

If you are installing the Bridge Program on the bridge computer, go to step 3.

If you want to create working diskettes for the other bridge computers in your network from one fixed disk, go to step 5.

3 At the DOS prompt type:

A:INSTALL C

and press the **Enter** key.

4 Go to Step 6.

5 At the DOS prompt type:

A:INSTALLH

and press the **Enter** key.

6 Follow the instructions and answer the questions on the program panels.

When you have followed the instructions and answered the questions on the program panels, then you have completed installing the Bridge Program onto a fixed disk.

Continue with step 7 to configure the Bridge Program.

7 Configure the Bridge Program.

If you use the defaults as the configuration parameter values, the Installation Program will immediately return to DOS. You do not need to use the Configuration Program if you use the configuration parameter default values.

If you want to alter any of the bridge configuration parameter values, the Installation Program will prompt you to use the Configuration Program.

Refer to the Bridge Planning Chart you obtained from the network administrator to fill in these values. If you have any questions, see Chapter 2 or talk to your network administrator.

After you save the configuration parameter values, the Configuration Program will return to DOS.

The Bridge Program is now installed and configured on the fixed disk.

You have created your **working disk**. You will not need the original or the **Bridge Program Backup Copy** for everyday operation. You will need these diskettes only if your working disk is damaged.

Go to Chapter 4 to load and use the Bridge Program.

Installing and Configuring the Bridge Program on a Working Diskette

The following procedure allows you to install the Bridge Program on a working diskette. This working diskette will be referred to as the **Bridge Program Working Diskette**.

CONFIG.SYS File

The Installation Program creates a new CONFIG.SYS file on the Bridge Program Working Diskette with the commands to load the required adapter support when the computer is started. If you already have a CONFIG.SYS file on the Bridge Program Working Diskette, it will be saved under the name CONFIG.SAV. If you want to use DOS commands to create or edit the CONFIG.SYS file, see Appendix B.

AUTOEXEC.BAT File

The Installation Program creates a new AUTOEXEC.BAT file on the Bridge Program Working Diskette so that the Bridge Program will be loaded automatically. If you already have an AUTOEXEC.BAT file on your Bridge Program Working Diskette, it will be saved under the name AUTOEXEC.SAV. The new AUTOEXEC.BAT file contains the command **ECCMAIN**.

Note: For more information on DOS commands, see your DOS manuals.

Installation and Configuration Steps

1 Prepare a blank diskette using the FORMAT command as described in the *DOS Reference* manual.

Prepare the diskette as a system diskette (using the /S option on the FORMAT command) if it will contain DOS and the Bridge Program files. Make sure you use DOS 3.3 or later when preparing the system diskette.

Using a felt-tip pen, label the diskette Bridge Program Working Diskette.

2 Insert the diskette labeled **Bridge Program Backup Copy** into drive A and the diskette labeled **Bridge Program Working Diskette** into drive B.

3 To install the Bridge Program on the Bridge Program Working Diskette, at the DOS prompt type:

A:INSTALL B

and press the **Enter** key.

4 Follow the instructions and answer the questions on the program panels.

When you have followed the instructions and answered the questions on the program panels, you have completed installing the Bridge Program onto a working diskette.

Continue with step 5 to configure the Bridge Program.

5 Configure the Bridge Program.

If you use the defaults as the configuration parameter values, the Installation Program will immediately return to DOS. You do not need to use the Configuration Program if you use the configuration parameter default values.

If you want to alter any of the bridge configuration parameter values, the Installation Program will prompt you to use the Configuration Program.

Use the Bridge Planning Chart you obtained from the network administrator to fill in these values. If you have any questions, see Chapter 2 or talk to your network administrator.

After you save the configuration parameter values, the Configuration Program will return to DOS.

The Bridge Program is now installed and configured on the working diskette.

You have created your Bridge Program Working Diskette. You will not need the original or the Bridge Program Backup Copy for everyday operation. You will need these diskettes only if you want to

change your configuration later or if your working diskette is damaged.

Go to Chapter 4 to load and use the Bridge Program.

Using the Configuration Program

The following steps explain how to use the Configuration Program (ECCCNFG.EXE) to alter configuration parameter or default values in the configuration file (ECCPARMS.BIN).

You can use the Configuration Program with the configuration file on a computer other than the one to be used for the Bridge Program. The Configuration Program requires DOS 3.3 or later; it does not require the network adapters to be installed in the computer and does not require attachment to the network. However, the configuration file (ECCPARMS.BIN) containing any changed parameter values must be in the current drive and directory of the working diskette or fixed disk with the Bridge Program files when the Bridge Program is loaded.

Steps to Use the Configuration Program

To use the Configuration Program:

1 Make sure that the ECCCNFG.EXE and the ECCPARMS.BIN files are on the Bridge Working Diskette or in the current directory of the fixed disk drive.

   To load and start the Configuration Program, at the DOS prompt type:

   CONFIG

   and press the **Enter** key.

   The IBM Logo panel for the Configuration Program will be displayed. Press the **Enter** key to display the first panel of the Configuration Program as shown in Figure 3-1 on page 3-12.

```
ECCPCG10                IBM PC NETWORK BRIDGE PROGRAM              Page 1 of 4
                            Configuration Program                   08:47:17
------------------------------------------------------------------------------
Type the desired values in each of the fields below.
Press F6 (Save) to save the configuration parameters to the file ECCPARMS.BIN.
Press F3 (Exit) to exit to DOS.


Bridge number.....................................  [1]    (0-9, A-F)

LAN segment number connected to primary adapter..  [001]  (001-FFF Hexadecimal)
LAN segment number connected to alternate adapter  [002]  (001-FFF Hexadecimal)

Frame forwarding active...........................  [Y]    (Y=Yes, N=No)

Bridge performance threshold......................  [10 ] (0-9999 Decimal)

Restart on error..................................  [Y]    (Y=Yes, N=No)
Drive for memory dump on error....................  [0]    (0=Default, A,B,C,)
Drive for error log...............................  [0]    (0=Default, A,B,C,D)

<--Any message occurring while this panel is active will be displayed here-->
F1=Help       F3=Exit
F6=Save                                                          PgDn ↓
```

Figure 3-1. The Configuration Program with Default Parameters (Page 1 of 4)

2 Enter any parameter values specified on the Bridge Planning Chart that are not the defaults. Update the Bridge Planning Chart each time you change the bridge configuration.

Use the **PgUp** and **PgDn** keys to scroll between the panels of the Configuration Program. The four panels are shown in Figure 2-1 on page 2-15, Figure 2-3 on page 2-21, Figure 2-4 on page 2-23, Figure 2-5 on page 2-25, and Figure 2-6 on page 2-28.

The Configuration Program will check to see whether you typed a valid value. An invalid value will result in a message or a beep, depending on the nature of the error.

The information on the Help panel for the first Configuration Program panel explains how to use the function and cursor keys to erase and correct values typed incorrectly. Press **F1 (Help)** to display the Help panel. Appendix A explains the messages displayed on the panels.

3 When you have finished altering parameters on all four Configuration Program panels, press **F6 (Save)** to write the new con-

figuration parameters into the configuration file (ECCPARMS.BIN) on the working diskette or fixed disk in the default drive.

Press **F3 (Exit)** to exit from the Configuration Program and return to DOS.

Configuration is complete.

If you came to this procedure from the installation instructions in Chapter 3, return to those instructions to continue file preparation.

If you are using this procedure to modify or recreate an existing configuration file, return to the activity that brought you to this procedure.

Chapter 4. Loading and Operating the Bridge Program

The sections in this chapter describe how to:

- Load the Bridge Program using a DOS command or a batch file
- Load the Bridge Program automatically when the computer power is turned on or when **Restart on error** is used
- Use the functions of the Bridge Program.

Before You Load the Bridge Program

Before you can successfully load and operate the Bridge Program, you must have already:

- Installed two network adapters in the bridge computer and connected each adapter cable to
  - A faceplate or an access unit if you are connecting to a token-ring network segment
  - The necessary hardware (such as a splitter) if you are connecting to a PC network segment.

  (See step 1a on page 3-2 for instructions on how to configure the adapters.)
- Used the Installation Program to copy all of the necessary files onto the working diskette or fixed disk (as described in Chapter 3).
- Used the Configuration Program to specify the values of any configuration parameters for which you are not using the supplied defaults in the ECCPARMS.BIN configuration file (see Chapter 2).

  Note: You cannot use the Bridge Program to change bridge configuration parameters. You must use the Configuration Program to change the configuration parameters.