A P P E N D I X   C

Using the Download Utilities

This appendix describes how to use the download_flash and network_download utilities to update the firmware on the workgroup EISA SCO adapter. You must run one of these utilities on every workstation that has a workgroup EISA SCO adapter.

download_flash Utility

Note To use the download utility, you must be logged in as root. Use the following command to copy the utilities from the diskette to the workstation's hard disk:

```
copy eisa_xx.rom /tmp
```

where:

xx indicates the version number of the EISA flash file to be copied.

/tmp indicates the directory where the files will be copied.

The format of the **download_flash** utility command line is as follows:

```
download_flash [-f fddinum] /filename
```

where:

fddinum is the FDDI interface number. The default is 0. Interface 0 is the first EISA SCO adapter in the workstation. Interface 1 is the second adapter, and so on. You only need to use the -f option if you want to download firmware to any adapter other than interface 0.

filename is the name of the file (in S-record format) containing the EISA SCO firmware. A typical filename is eisa34.rom. This parameter is always required. The number indicates the revision level of the Flash software.

In the following example, the firmware in the eisa*xx*.rom file is downloaded to FDDI interface 0:

```
download_flash eisaxx.rom
```

In the following example, the firmware in the eisa*xx*.rom file is downloaded to FDDI interface 1:

```
download_flash -f 1 eisaxx.rom
```

network_download Utility

Normally you use download_flash to download firmware to an EISA SCO adapter in a local workstation. However, you can use the network_download utility to download firmware to an EISA SCO adapter on a remote workstation. This utility copies the download_flash utility and firmware file to the remote workstation, and then remotely starts the download_flash utility.

The format of the **network_download** utility command line is as follows:

```
network_download eisaxx.rom remote_machine_name
```

where:

xx indicates the version number of the eisa file to be copied.

remote_machine_name indicates the server from which the files are to be copied.