NC/XP Boot Monitor Installation Instructions

These instructions and a full list of older Boot Monitors can be found at:
         ftp://ftp.ncd.com/pub/nwd/NCBridge/BootMonitors

To install the boot monitor in the terminal's "flash" boot ROM, do the following.

1. Download the appropriate boot monitor, using binary transfer mode as
   the boot_* files in this directory are pre-compiled binaries. The
   version number is appended to the end.
         The boot_mon.350_Vxxx files support the following platforms:
                 XP100 series (except XP100D)
                 XP300 series (except XP33x)
                 XP200 series
                 XP350 series
                 XP400 series

         The boot_mon.500_Vxxx files support the following platforms:
                 NC200 series
                 NC400 series

         The boot_mon.900_Vxxx files support the following platform:
                 NC900 series

2. It is recommended that one make a backup copy of the existing
   boot monitor file. It is located in the <installdir>/tekxp/boot
   directory, and will be called boot_mon.xxx, where xxx is either
   350, 500 or 900. If your OS supports the ident command, you can determine
   which version you currently have by running the command below. The
   UNIX command "strings" can also be used.

   ident boot_mon.xxx   Where xxx is either 350, 500 or 900.

3. Replace the existing boot monitor with the downloaded file, renaming
   it appropriately. For example, it should
   be named either boot_mon.350, boot_mon.500 or boot_mon.900.

4. Flash the boot monitor. There are 2 methods of doing this.

NOTE: The ROM can be flashed (reprogrammed) on the following models: XP100
      (except XP100D), XP200, XP350, XP300AV, XP400, NC200, NC400 and
      the NC900.

METHOD 1

1. Log onto UNIX host server as root, or the NT server as administrator.
   NOTE: For NT, use the "write" application to edit the file, and select
   'no file conversion'.

2. Locate, uncomment, and modify the xp.cnf file (located in
   <installdir>/tekxp/boot/config) with the following lines:

     do_flash
     flash_feature BOOT_MONITOR

3. Save the xp.cnf file.

4. Reboot the Network Computer

5. Flashing of the ROM will commence and may take several minutes to complete.

6. Once flashing is finished, go back to step #2 and comment out do_flash.
   If do_flash feature is commented out, it will ignore flash_feature commands
   and will not flash the ROM. If you leave it in, it will reflash every time
   the NC boots.

METHOD 2

1. Log onto UNIX host server as root, or the NT server as administrator.
   NOTE: For NT, use the "write" application to edit the file, and select
   'no file conversion'.

2. Locate, uncomment, and modify the xp.cnf file (located in
   <installdir>/tekxp/boot/config) with the following lines:

   update_bootrom YES

   This feature will flash only the boot ROM, and only if the version of the
   file on the host is newer than what is currently in ROM

3. Save the xp.cnf file.

4. Reboot the Network Computer

5. Flashing of the ROM will commence and may take several minutes to complete.

6. If you leave update_bootrom command in place, it will evaluate the boot rom
   version at each reboot, and if the version of the file is newer than what
   is currently installed, it will update it. If not, it will do nothing.
   NCBridge or XpressWare patch releases typically contain boot monitor
   updates if they are available. Leaving this feature enabled will
   automatically keep the boot monitor at the most current level.