```
# other entries in this file have been deleted from this printed copy.
# refer to the file itself for a complete listing.
#
```

1.7.7 Configuration File for 4 MB ViewStations

There is a special configuration file available for ViewStations running with 4 MB of memory. This configuration file “config.fx.4m” contains an entry for the server code version Vnn.hds rather than the standard Vnn-D.hds server version with downloadable clients. This server version cannot download local clients.

1.7.8 Remote Configuration Security Considerations

There are a number of concerns with system security. These include setting and changing a password, sending the password as part of a configuration file, etc. Other concerns of password management, either by the user or the system administrator, are also relevant to remote management of ViewStations. These things are discussed in detail in Section 1.11.

1.7.9 Remote Management of ViewStations

When the ViewStations are set up, whether locally or remotely, there is sometimes a need to manage them. This might involve changing settings, updating versions, or problem diagnosis.

1.7.9.1 Changing ViewStation Settings

You can change settings on the ViewStation either by using its Setup Mode from a remote machine, described in Section 1.5.1.1, or by modifying the config.fx file and loading it on reboot. The configuration file can specify that its contents be saved in NVM on the ViewStation.

1.7.9.2 Changing the ViewStation Password

The system administrator can change the password on an individual ViewStation by using a remote login to the Console Window and then using the password command. Note that this command is password protected.

1.7.9.3 Changing Server Code Versions

You can update the server code (and/or the bootprom if it is loaded on the Flash-PROM card) by using a remote login to the Console Window and then using the “flash” command. This is discussed in detail in Section 1.2.7.

1.7.9.4 Problem Diagnosis from a Remote Machine

Problem diagnosis is made easy via the Console Window, which provides an interface to the ViewStation’s internal architecture and an error log for the ViewStation. The error log can be automatically redirected to your host’s syslog file. This is discussed in Section 1.2.3.1.

1.7.6.2 Configuration File clients.config.dsk

The "clients.config.dsk" file is used to set the path and configuration for the ViewStation’s local clients. This file also specifies these paths as the local hard disk drive. This file is specified in the "config.fx.dsk" and is used automatically when you start the ViewStation with the hard disk drive. If you use your own configuration files, you should use this file (or the relevant parts of it). The file shown here is only a section of the file as it appears on the disk, but contains sufficient information for you to see the changes necessary.

/hds-fx/config/clients.config.dsk

```
#
# This is the configuration file for ViewStation local clients.
# The config.fx.dsk file should point to this file in "client.config.path:".
# This contains common resources for most clients.
#
*defaultEnv: XFILESEARCHPATH=/FXUtilities/hds-fx/lib/%N%S:/
HDS$$ROM/%N%S:/FXUtilities/hds-fx/lib/app-defaults/%N%S\n\
     XBMLANGPATH=/HDS$$ROM/%B
#
# Mwm - Motif Window Manager.
hds.client.mwm.path: /FXUtilities/hds-fx/bin/mwm
hds.client.mwm.defaultEnv: XFILESEARCHPATH=/HDS$$ROM/%N%S\n\
    XBMLANGPATH=/HDS$$ROM/%B\n\
    MWMSHELL=/bin/sh
hds.client.mwm.transparentMode: yes
hds.client.mwm.minAvailMem: 570k
hds.client.mwm.critical: yes
#
# HDSCalc Calculator
hds.client.hdscalc.menuName: HDS calc
hds.client.hdscalc.path: /FXUtilities/hds-fx/bin/hdscalc
#hds.client.hdscalc.defaultEnv: XFILESEARCHPATH=/FXUtilities/hds-fx/lib/
app-defaults/%N
hds.client.hdscalc.minAvailMem: 460k
#
# Xdmcp chooser
hds.client.chooser.path:/FXUtilities/hds-fx/bin/chooser
#
```

1.7.6 ViewStation Hard Disk Configuration File

ViewStations that have an internal hard disk use a different configuration file, called *./hds-fx/config/config.fx.dsk*. This file is different in several important ways. It is shown below.

If you have a disk drive installed on your ViewStation, the factory installation provides different configuration files so the paths all point to the local disk drive rather than to a directory on a remote host. These configuration files are called "config.fx.dsk", which distinguishes them from the normal "config.fx" files.

1.7.6.1 Configuration File config.fx.dsk

The "config.fx.dsk" file is used for ViewStation configuration and specifies the paths to find HDSware. The factory installation sets this config.fx.dsk file to be used automatically. If you use your own configuration files, you should use this configuration file (or the relevant parts of it) for booting, either from Monitor Mode, or Bootp.

```
/hds-fx/config/config.fx.dsk

#

# This is the configuration file used by default when the

# FXUtilities host address and directory path have

# been set to the local ViewStation disk.

# Setup entries for HDSware are then

# HDSware host: <local ViewStation IP> and

# HDSware Directory path: </dev/flash>.

#

# Note the use of the Internet loopback address

# for this local ViewStation.

# Note also the local directory specification: /dev/flash.

#

HDSsetup.FXUtilities.address: 127.0.0.1

HDSsetup.FXUtilities.directory: /dev/flash

HDSsetup.default.font.path:/FXUtilities/hds-fx/fonts/75dpi/
,/FXUtilities/hds-fx/fonts/100dpi/,/FXUtilities/hds-fx/
fonts/misc/,/FXUtilities/hds-fx/fonts/Xol/

HDSsetup.ServerCode.file: /FXUtilities/hds-fx/image_u/V303-
D.uhds

HDSsetup.client.config.path: /FXUtilities/hds-fx/config/cli-
ents.config.dsk
```

The include statement gives a filename for a second configuration file that contained settings common to a subnet or to a group of users. These settings would be added to the primary configuration file containing the unique information. This allows you to customize some things, such as window managers, gateway computer addresses, fontpaths, and so on, that would apply to some users only. Note that the ViewStation looks for the include file in the same directory as the original configuration file (you could also specify a full file path if you wanted).

Suppose you wanted separate configurations for MWM and OLWM users. You would have three configuration files, one for MWM, one for OLWM, and a common configuration file for all users: Note that the name of the file in the include statement must have double quotes ("filename").

```
# config.mwm

# This is the configuration file for MWM users

HDSsetup.Mwm.autostart: YES

#include "config.fx.general"


# config.olwm

# This is the configuration file for OLWM users

HDSsetup.Olwm.autostart: YES

HDSsetup.default.font.path: /FXUtilities/hds-fx/Xol

#include "config.fx.general"


# config.fx.general

# This is the configuration file with common settings

HDSsetup.FXUtilities.address: 128.91.3.1

HDSsetup.FXUtilities.directory: /usr/home/HDSware

HDSsetup.domain_server.primary: 128.91.3.1

HDSsetup.domain_server.suffix: hds.com

HDSsetup.client.config.path: /FXUtilities/hds-fx/config/cli-
ents.config
```

In this case, users select their window manager and its associated files by specifying one configuration file or the other. An MWM user would enter his configuration file as */FXUtilities/hds-fx/config/config.mwm*.

```
HDSsetup.telnet.autostart: YES

HDSsetup.Olwm.autostart: YES

HDSsetup.default.font.path: /FXUtilities/hds-fx/fonts/75dpi/
,/FXUtilities/hds-fx/fonts/100dpi/,/FXUtilities/hds-fx/
fonts/misc/,/FXUtilities/hds-fx/fonts/Xol,/FXUtilities/hds-
fx/fonts/wp5.1/

HDSsetup.FXUtilities.address: 128.92.3.12

HDSsetup.FXUtilities.directory: /usr2

HDSsetup.host1.hostname: hdssun

HDSsetup.host1.address: 128.92.3.12

HDSsetup.host2.hostname: hdssun1

HDSsetup.host2.address: 128.91.3.1

HDSsetup.host3.hostname: hdssun

HDSsetup.host3.address: 128.92.3.12

HDSsetup.host4.hostname: hds486

HDSsetup.host4.address: 128.91.2.5

HDSsetup.client.config.path: /FXUtilities/hds-fx/config/cli-
ents.config

HDSsetup.KeycodeTranslation.path: /FXUtilities/hds-fx/config

HDSsetup.screen.width: 1280

HDSsetup.screen.height: 1024

HDSsetup.screen.depth: 8

HDSsetup.backingstore.enable: NO

HDSsetup.backingstore.saveunder: NO

HDSsetup.keyboard_cursor_mode: Enabled

# NVM dump complete
```

1.7.5 Using Include Statements in a Configuration File

The ViewStation's configuration file can have some "include" statements attached to it. This is a convenient way to control settings and variations in a complex environment. It allows you to have one configuration file with common settings and individual configuration files with unique entries.

You can use this feature by adding an include statement at the end of a configuration file. Typically, the basic configuration file would contain settings that are common to everyone in the environment and would be attached as an include file after the unique settings configuration file.

1.7.4.1 Generating an Individual Configuration File

Your configuration file should start from *./hds-fx/config/config.syntax.fx* because it has some useful default settings, such as the FXUtilities paths. You can extract parts of this syntax file and select the appropriate values to construct your config.fx file. Your file should contain only settings different from the defaults.

There is an easy way to generate a configuration file. The Console Window has a command:

nvm dump

that reports your current Setup Mode settings in resource form. These entries can be made part of your configuration file since the syntax is correct. All you need to do is set up one ViewStation with your desired settings using the Setup Mode menus, then do nvm dump in the Console Window, and then cut-and-paste into your config.fx file.

This is a sample nvm dump. Note that the header information and the individual IP address should not become part of the config.fx file.

```
HDS> nvm dump
# NVM header:
# size = 8
# flags = 0
# checksum = af44
# version = 2
# revision = 4
# length = 790
HDSsetup.ipaddress: 128.91.6.10
HDSsetup.ipaddress.resolve: Setup
HDSsetup.network.netmask: 255.255.0.0
HDSsetup.network.gateway: 128.91.2.5
HDSsetup.network.broadcast: 128.92.255.255
HDSsetup.ServerCode.file: /FXUtilities/hds-fx/image/V30-D.hds
HDSsetup.config.file: None
HDSsetup.syslog.config.file: /FXUtilities/hds-fx/config/syslog.conf
HDSsetup.domain_server.primary: 128.91.3.1
HDSsetup.domain_server.suffix: hds.com
HDSsetup.telnet.primary.host: hds486
```

```
HDSsetup.SaveToNVM: [ NO | YES ]

HDSsetup.net_type: [ Auto Sense | Ethernet | IEEE 802.3 ]

HDSsetup.NFS.block.size: [ 128 to 8192 ] (default = 8192
bytes)

HDSsetup.syslog.buffer.size: [ 8 to 64 ] (default = 12 kb)

HDSsetup.hostresolver.host: nnn.nnn.nnn.nnn
HDSsetup.hostresolver.file:

HDSsetup.font.cache.size: nnn (Kbytes value; default = 1024)

HDSsetup.timeserver.enable: [ YES | NO ]
HDSsetup.timeserver.host: DOMAIN_NAME

HDSsetup.default.AccessControl: [ DISABLED | ENABLED ]

HDSsetup.audio.in.device: [ Unspecified | HDS ViewCam | HDS
Headset | CallPort Spkr/Mic | HDS Microphone | HDS Tuner |
VCR | Line Level Audio ]
HDSsetup.audio.out.device: [ HDS Internal Speaker | External
Speakers | HDS Headset | CallPort Spkr/Mic ]

HDSsetup.audio.in.volume: [ 1 to 100 ]
HDSsetup.audio.out.volume: [ 0 to 100 ]

HDSsetup.internal.flow.timeout: [ 0 to 32767 ] (default = 60
secs)
```

This file changes with HDSware versions. Check current HDSware for new ViewStation configuration resources.

HDSsetup.screen.width: nnnn (pixels value)

HDSsetup.screen.height: nnnn (pixels value)

HDSsetup.screen.depth: n (bits value)

HDSsetup.keyboard.kbtype: [**Default** | Swiss-German | Swiss-French | Swedish | French | Japanese | French-Canadian | French-Canadian-compose]

HDSsetup.keyboard.click: [0 | **25** | 50 | 100] (default = 25 percent)

HDSsetup.bell.volume: [0 | 25 | **50** | 100] (default = 50 percent)

HDSsetup.bell.pitch: [100 to 10000] (default = 600 Hz)

HDSsetup.bell.duration: [10 to 1000] (default = 100 millisecs)

HDSsetup.screensaver.timeout: [0 to 32767] (default = 300 secs)

HDSsetup.screensaver.interval: [0 to 300] (default = 30 secs)

HDSsetup.screensaver.method: [**Energy Star** | Blanking | XLogo]

HDSsetup.backingstore.enable: [**YES** | NO]

HDSsetup.backingstore.saveunder: [**YES** | NO]

HDSsetup.backingstore.default: [**NEVER** | MAPPED]

HDSsetup.default.file.protocol: [**TFTP** | FTP | NFS]

HDSsetup.PixelZeroWhite: [**NO** | YES]

HDSsetup.memwarn: nnn (Kbytes value; default = 300)

HDSsetup.server_reset: [**NO** | YES]

HDSsetup.keyboard_cursor_mode: [**DISABLED** | ENABLED]

```
HDSsetup.host3.local.directory:
HDSsetup.host3.remote.directory:

HDSsetup.host4.hostname:
HDSsetup.host4.address: DOMAIN_NAME
HDSsetup.host4.hosttype: [ UNIX | VMS ]
HDSsetup.host4.protocol: [ TFTP | FTP | NFS ]
HDSsetup.host4.username:
HDSsetup.host4.password: <encrypted value when BOOTP pass-
word given>
HDSsetup.host4.account:
HDSsetup.host4.local.directory:
HDSsetup.host4.remote.directory:

HDSsetup.host5.hostname:
HDSsetup.host5.address: DOMAIN_NAME
HDSsetup.host5.hosttype: [ UNIX | VMS ]
HDSsetup.host5.protocol: [ TFTP | FTP | NFS ]
HDSsetup.host5.username:
HDSsetup.host5.password: <encrypted value when BOOTP pass-
word given>
HDSsetup.host5.account:
HDSsetup.host5.local.directory:
HDSsetup.host5.remote.directory:

HDSsetup.client.config.path:
HDSsetup.startup.command.file:

HDSsetup.server_reset.command.file:

HDSsetup.KeycodeTranslation.path:
```

```
HDSsetup.FXUtilities.account:

HDSsetup.FXUtilities.directory:


HDSsetup.host1.hostname:

HDSsetup.host1.address: DOMAIN_NAME

HDSsetup.host1.hosttype: [ UNIX | VMS ]

HDSsetup.host1.protocol: [ TFTP | FTP | NFS ]

HDSsetup.host1.username:

HDSsetup.host1.password: <encrypted value when BOOTP password given>

HDSsetup.host1.account:

HDSsetup.host1.local.directory:

HDSsetup.host1.remote.directory:


HDSsetup.host2.hostname:

HDSsetup.host2.address: DOMAIN_NAME

HDSsetup.host2.hosttype: [ UNIX | VMS ]

HDSsetup.host2.protocol: [ TFTP | FTP | NFS ]

HDSsetup.host2.username:

HDSsetup.host2.password: <encrypted value when BOOTP password given>

HDSsetup.host2.account:

HDSsetup.host2.local.directory:

HDSsetup.host2.remote.directory:


HDSsetup.host3.hostname:

HDSsetup.host3.address: DOMAIN_NAME

HDSsetup.host3.hosttype: [ UNIX | VMS ]

HDSsetup.host3.protocol: [ TFTP | FTP | NFS ]

HDSsetup.host3.username:

HDSsetup.host3.password: <encrypted value when BOOTP password given>

HDSsetup.host3.account:
```

```
HDSsetup.xdmcp.host: DOMAIN_NAME

HDSsetup.xdmcp.host.file:

HDSsetup.xdmcp.keepalive.minimum: [ 0 to 10000 ] (default =
1 minute)

HDSsetup.xdmcp.keepalive.timeout: [ 3 to 3600 ] (default =
20 seconds)

HDSsetup.xdmcp.chooser: [ YES | NO ]

HDSsetup.xdmcp.chooser.AllowDirect: [ NO | YES ]

HDSsetup.xdmcp.default.AccessControl: [ ENABLED | DISABLED ]

HDSsetup.xdmcp.server_reset: [ YES | NO ]


HDSsetup.password.is_global: [ NO | YES ]

HDSsetup.hide_icon: [ NO | YES ]


HDSsetup.telnet.primary.host: DOMAIN_NAME

HDSsetup.telnet.autostart: [ NO | YES ]


HDSsetup.Mwm.autostart: [ NO | YES ]

HDSsetup.Olwm.autostart: [ NO | YES ]

HDSsetup.console.autostart: [ NO | YES ]

HDSsetup.memory.autostart: [ NO | YES ]


HDSsetup.snmp.host: DOMAIN_NAME

HDSsetup.snmp.traps: [ NO | YES ]


HDSsetup.RGB.file:


HDSsetup.FXUtilities.address: DOMAIN_NAME

HDSsetup.FXUtilities.hosttype: [ UNIX | VMS ]

HDSsetup.FXUtilities.protocol: [ TFTP | FTP | NFS ]

HDSsetup.FXUtilities.username:

HDSsetup.FXUtilities.password: <encrypted value when BOOTP
password given>
```

HDSsetup.ppp.serial2.addressnegotiation: [**ENABLED** | DISABLED]

HDSsetup.ppp.serial2.mru: [128 to 1500] (default = 1500)

HDSsetup.ppp.serial2.allowpap: [**NO** | YES]

HDSsetup.ppp.serial2.local.name: DOMAIN_NAME

HDSsetup.ppp.serial2.local.password: <encrypted value when BOOTP password given>

HDSsetup.port.serial1.usage: [**UNSPECIFIED** | SLIP | CSLIP | PPP | CONSOLE]

HDSsetup.port.serial1.baud: [150 | 300 | 1200 | 2400 | 4800 | **9600** | 19200 | 38400 | 57600]

HDSsetup.port.serial1.parity: [**None** | Even | Odd]

HDSsetup.port.serial1.databits: [7 | **8**]

HDSsetup.port.serial1.stopbits: [**1** | 2]

HDSsetup.port.serial1.flow: [**None** | XON/XOFF | SendXOFF | RecvXOFF | CTS/RTS]

HDSsetup.port.serial2.usage: [**UNSPECIFIED** | SLIP | CSLIP | PPP | CONSOLE]

HDSsetup.port.serial2.baud: [150 | 300 | 1200 | 2400 | 4800 | **9600** | 19200 | 38400 | 57600]

HDSsetup.port.serial2.parity: [**None** | Even | Odd]

HDSsetup.port.serial2.databits: [7 | **8**]

HDSsetup.port.serial2.stopbits: [**1** | 2]

HDSsetup.port.serial2.flow: [**None** | XON/XOFF | SendXOFF | RecvXOFF | CTS/RTS]

HDSsetup.domain_server.primary: nnn.nnn.nnn.nnn

HDSsetup.domain_server.secondary: nnn.nnn.nnn.nnn

HDSsetup.domain_server.suffix:

HDSsetup.xdmcp.access: [**OFF** | Broadcast | Direct | Indirect | Hosts]

HDSsetup.xdmcp.action: [Stop | **Persist**]

HDSsetup.serial1.ipaddress: nnn.nnn.nnn.nnn

HDSsetup.serial1.add.network.route: [**NO** | YES]

HDSsetup.serial1.set.default.gateway: [NO | **YES**]

HDSsetup.remote.serial1.host: DOMAIN_NAME

HDSsetup.remote.serial1.netmask: nnn.nnn.nnn.nnn

HDSsetup.serial2.ipaddress: nnn.nnn.nnn.nnn

HDSsetup.serial2.add.network.route: [**NO** | YES]

HDSsetup.serial2.set.default.gateway: [NO | **YES**]

HDSsetup.remote.serial2.host: DOMAIN_NAME

HDSsetup.remote.serial2.netmask: nnn.nnn.nnn.nnn

HDSsetup.ppp.serial1.messagelevel: [**LOW** | MEDIUM | HIGH]

HDSsetup.ppp.serial1.headercomp: [**ENABLED** | DISABLED]

HDSsetup.ppp.serial1.protocomp: [**ENABLED** | DISABLED]

HDSsetup.ppp.serial1.linkmonitor: [**ENABLED** | DISABLED]

HDSsetup.ppp.serial1.linkmonitor.interval: [5 to 300] (default = 10)

HDSsetup.ppp.serial1.addressnegotiation: [**ENABLED** | DISABLED]

HDSsetup.ppp.serial1.mru: [128 to 1500] (default = 1500)

HDSsetup.ppp.serial1.allowpap: [**NO** | YES]

HDSsetup.ppp.serial1.local.name: DOMAIN_NAME

HDSsetup.ppp.serial1.local.password: <encrypted value when BOOTP password given>

HDSsetup.ppp.serial2.messagelevel: [**LOW** | MEDIUM | HIGH]

HDSsetup.ppp.serial2.headercomp: [**ENABLED** | DISABLED]

HDSsetup.ppp.serial2.protocomp: [**ENABLED** | DISABLED]

HDSsetup.ppp.serial2.linkmonitor: [**ENABLED** | DISABLED]

HDSsetup.ppp.serial2.linkmonitor.interval: [5 to 300] (default = 10)

HDSsetup.ipaddress.resolve: [**BOOTP** | RARP | SETUP]

HDSsetup.ethertype: [**THIN** | THICK]

HDSsetup.network.netmask: nnn.nnn.nnn.nnn

HDSsetup.network.gateway: nnn.nnn.nnn.nnn

HDSsetup.network.broadcast: nnn.nnn.nnn.nnn

HDSsetup.network.timeout: [5 to 120] (default = 15 seconds)

HDSsetup.password: <encrypted value when BOOTP password given>

HDSsetup.pcmcia.internal.tr.ipaddress: nnn.nnn.nnn.nnn

HDSsetup.pcmcia.internal.tr.netmask: nnn.nnn.nnn.nnn

HDSsetup.pcmcia.internal.tr.mtu: [516 | 1500 | **2052** | 4472 | 8144 | 11407 | 17800] (default = 2052)

HDSsetup.pcmcia.external.tr.ipaddress: nnn.nnn.nnn.nnn

HDSsetup.pcmcia.external.tr.netmask: nnn.nnn.nnn.nnn

HDSsetup.pcmcia.external.tr.mtu: [516 | 1500 | **2052** | 4472 | 8144 | 11407 | 17800] (default = 2052)

HDSsetup.boot.download: [**NETWORK** | ROM]

HDSsetup.boot.bootp.protocol: [**TFTP** | FTP | NFS]

HDSsetup.boot.bootp.username:

HDSsetup.boot.bootp.password: <encrypted value when BOOTP password given>

HDSsetup.boot.bootp.account:

HDSsetup.ServerCode.file:

HDSsetup.config.file: (default = /FXUtilities/hds-fx/config/config.fx)

HDSsetup.syslog.config.file:

HDSsetup.rhosts.file:

1.7.3 Loading the ViewStation's Configuration File

The configuration file is a resource file containing all the selections in Setup Mode and more. This file is located in */FXUtilities/hds-fx/config/config.fx* and is loaded automatically from that location with the HDSware automatic configuration feature of the ViewStation. It contains most important settings and paths, including HDSware locations specified with the HDSware or FXUtilities mount point.

There are configuration files designed for specific configuration choices, such as config.fx.dsk for ViewStations with a hard disk drive, config.4m for ViewStations booting with 4 MB of memory, and config.ext for ViewStations loading the X11 extensions.

The Setup Mode Startup Options menu contains a field to specify a configuration file for ViewStation loading; it can also be loaded with BOOTP.

1.7.3.1 FXUtilities and HDSware Abbreviation

The HDSware menu in Setup Mode (or **hh** and **hd** in Monitor Mode) specify the host and directory path for the HDSware software. This information is combined and used as the "HDSware" or "FXUtilities" abbreviation. Thus, FXUtilities with the internal HDSware path give a full specification for any path or file.

The Configuration file has entries for fontpaths in the form (for the config file):

```
HDSsetup.config.file: /FXUtilities/hds-fx/config/config.fx
```

Another useful abbreviation recognized by the ViewStation is the "BOOTPhost", which uses the root partition as its path.

1.7.4 Configuration File Syntax

There is a sample configuration file, *./hds-fx/config/config.syntax.fx,* in the HDSware distribution. This sample file gives the resource syntax and permitted values for all the configuration options.

Note: if there is no value entered for a resource, or the value entered is prohibited (out of range or wrong type), the default value will be used. Default values are shown in bold type.

Note: there must be no white space after the resource entry.

```
This file shows the syntax for the ViewStation's configura-
tion files.

Note that [ YES | NO ] denotes a choice which must be speci-
fied as either YES or NO if this resource name is given. Do
NOT write the enclosing square_brackets [ and ] or the
vertical_bar |. The entry DOMAIN_NAME must be either a
numeric IP_ADDRESS nnn.nnn.nnn.nnn or an alphanumeric NAME
which can be resolved by a domain name server.

Field Name Value and Default Assignment

HDSsetup.hostname: DOMAIN_NAME

HDSsetup.ipaddress: nnn.nnn.nnn.nnn
```

HDS ViewStation: Remote Configuration

This chapter discusses remote configuration of the ViewStation. IP address assignment, loading the server code, and loading configuration files are discussed.

Section 1.0 - HDS ViewStation

1.7 Remote Configuration

One of the principal benefits of X terminals is the ability to configure and administer them remotely. There are a number of considerations.

- Determining the IP address for each ViewStation. There are several methods, which are discussed in Section 1.6.5. These are local setting, BOOTP, and RARP (or NIS).
- Loading the ViewStation's Server file. There are several methods, which are discussed in Section 1.6. These are local storage, BOOTP, Monitor Mode, and direct network loading.
- Loading the ViewStation's Configuration file. This can also involve questions of system and user modifiable settings. This file can be loaded locally or with BOOTP.
- Loading the ViewStation's Client Configuration file for its local clients.
- Passwords and system security.
- Remote monitoring and management (updates, changes, and troubleshooting)

Each of these matters will be discussed in turn.

1.7.1 Determining the IP Address

This is discussed in Section 1.6.5.

1.7.2 Loading the ViewStation's Server File

This is the subject of Section 1.6, the preceding chapter.