

4.) Refer to the "Backup and Restore" steps noted at the bottom of this document for additional details

## SW Installation via Boot CLI

For correct SW installation on the HG1500 gateway via Boot CLI a certain handling is necessary.  
Prerequisites:

- The TFTP server is running on the host. In the TFTP directory the self-extracting image of the new loadware is available.
- Console is connected to HG1500 via V.24 interface as a normal terminal (19200, 8-N-1)
- The current database should be backed-up.
- The current firmware version of the board needs to be V1.0-03.05.06, otherwise it has to be upgraded.

The following steps are necessary (all via Boot CLI):

### 1) Format Flash

Reboot the gateway and press any key when the following string is displayed "Press any key to stop auto-boot". Now you get the BOOT CLI prompt. Enter the command "y" to format the flash. (A low level format flash will take approx. 2 minutes before the Boot-CLI Prompt is showed again). Press "y" again to perform a low level format flash, then press "y" again to confirm.

**Note:** To reboot... login : User / password 31994. Type "get write access" then type "reset".

### 2) Change the Bootline Parameters for loading the Software Image

First the boot parameters have to be changed using 'c' command;

This command asks for a lot of parameters (please enter the following values):

boot device	: emac0 (means LAN Interface)
processor number	: 0 (stays as it is)
host name	: <optional: name of host where TFTP server runs>
file name	: < File name of new loadware image, e.g. vxWorks.inst ( No spaces in file name) >
inet on ethernet (e)	: <IP addr. of HG1500 V3 Incl. subnet mask in hex (e.g 192.1.110.132:ffff00)>
inet on backplane (b)	: <IP address of host where TFTP server runs>
host inet (h)	: <IP address of host where TFTP server runs>
gateway inet (g)	: <optional: IP-address of the default gateway for reaching the host>
user (u)	:
ip password (pw):	(blank = use rsh):
flags (f)	: 0x80 (use of TFTP)
target name (tn)	: <optional: logical name of HG1500>
startup script (s)	:
other (o)	: emac

When the above BOOT parameters are completed...

enter the command "z" then press enter key to save the boot parameters.

### 3) Load SW Image into Flash

Load Software image file into flash using 'w' (Lower case letter!) command

This command asks for a lot of parameters (please enter the following values):

[HG 1500 V3 Boot CLI]: w

Input a new suffix SW\_IMAGE.x: 1

Select the SW Image number, e.g. 1

New image name: SW\_IMAGE.001 ok (y/n)? y

Confirmation of the input

Attached TCP/IP interface to emac0.

Attaching network interface lo0... done.

Loading...

Loading software from TFTP server

When the Software is loaded the system is asking for:

Change bootline to tfs?> y

Confirm the question with "y"

Now the load has to be initiated:

At the Boot CLI prompt insert now '@'.