

TEAM 5520

Release Notes, Version 4.0.0 for HPOV -Sun Solaris/HPUX
058R946-V400, Issue 1 - July 2001

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Section 1 - Solaris

1.0 Overview

These installation and release notes provide new information relevant to this version of the TEAM 5520 software product, updating the information supplied by the TEAM 5520 Operation Manual. If you require additional details please refer to that manual.

Team 5520 is now supported on the following Solaris platforms: Solaris 2.7 with HPOV 6.1 and Solaris 2.8 with HPOV 6.1. For details on installing the appropriate platform, refer to the TEAM Core Operation Manual and the TEAM Core Release Notes. For the latest product information, check the GDC website at <http://www.gdc.com> or contact your GDC representative.

2.0 Software Reference

The following table provides detailed reference information for all software modules relevant to TEAM 5520 for Solaris installation. Throughout this manual, short forms of the software product names will be used.

Table 1: Software Reference for Solaris

Item	Part Number/Description	Version / Release
TEAM 5520 Software Product	058U733-C01	Ver 4.0.0
TEAM 5520 Operation Manual	058R727-V400	Latest Issue
TEAM Core Software Product	058U737-C01	Ver 4.1.0
TEAM Core Operation Manual	058R720-V410 or greater	Latest Issue
TEAM Core Release Notes	058R957-V410 or greater	Latest Issue
Solaris Software Product	S-058U019-C01	Ver 2.7 / Nov 1999
	S-058U020-000	Ver 2.8 / Feb 2000 Ver A
HPOV for Solaris Software	Enterprise (Full) 058U157-C01 250-Node (Entry) 058U157-C02	Ver 6.1
Solaris/HPOV Patch Clusters	Ref: Sun / HP websites	
HPOV Network Node Manager Performance and Configuration Guide	HP J1170-99002	Latest Release
SCM for SpectraComm and V.34 Products	Firmware Ver. 5.2.0	MIB Ver. 3.10F
SCM for UAS Products	Firmware Ver. 7.2.0	MIB Ver. 3.10F
SC5520 Firmware		Release G-

3.0 TEAM 5520 Packages

After installation from the TEAM 5520 DC, the following software packages should be present on the system at the versions (or greater) indicated in the table below. Verify by typing:

```
/usr/bin/pkginfo -1 <PackageName>
```

Package Name	Description	Version
GDCSC5520	GDC TEAM 5520	Ver 4.0.0

4.0 Improvements Since Last Release

This is the initial release of TEAM 5520 V4.0.0 software. This software has been tested to be Year 2000 compliant in accordance to GDC ENG-STD-003. Note the following information concerning this software:

- The application supports long host names long host ID names, up to 50 characters (previously limited to 16).
- The application is capable of configuring and monitoring the SC521A and SC521A/S products as remote units.
- The application is approved for operation on Solaris 2.7 and 2.8 or HP OpenView 6.1 and on HPUX 11.0 upgrades.

5.0 HP OpenView for Solaris

The following sections describe the current requirements and procedures concerning the HP OpenView for Solaris version of TEAM 5520 software.

5.1 Hardware Requirements

The current hardware requirements for TEAM 5520 software is as follows:

- Minimum disk space requirements:
 /opt 60 megabytes
- The graphics card should support a resolution of 1152x900
- SUN ULTRA 5 or greater with a minimum of 96 megabytes of RAM, 2 gigabytes of hard disk space, 350 megabytes of disk space and 192 megabytes of swap space.
- CD ROM Drive

Note: *For information on hardware requirements for HP OpenView Network Node Manager products, refer to the HP OpenView Network Node Manager Products Installation Guide.*

5.2 Software Requirements

Before installing this version of TEAM 5520, the following software must be installed. Refer to Table 1: Software Reference for Solaris, for detailed identification of all software products discussed below.

- Solaris Software
- HP OpenView for Solaris, Entry *or* HP OpenView for Solaris, Full
- TEAM 5520 software packages

Note: *IMPORTANT - It is highly recommended that the customer download and install the latest SOLARIS PATCH CLUSTER from the following Sun web site: <http://sunsolve.sun.com>. This will ensure that you have updated the Operating System along with any current fixes to reported problems.*

Note: *IMPORTANT - It is highly recommended that the customer download and install the latest HP OPENVIEW CONSOLIDATED PATCH CLUSTER from the following HP web site: <http://ovweb.external.hp.com/cpe/patches>. This will ensure that you have updated HP OpenView along with any current fixes to reported problems.*

Note: *For detailed information and procedures on installing Solaris software or HP Openview for Solaris, refer to Chapter 1 of the TEAM Core Release Notes (058R957-VREF, where VREF is the latest issue of that document.*

5.3 First Time Installation

Installation of TEAM 5520 also installs the TEAM 520 and TEAM 510 packages. If you have installed TEAM 521 or TEAM 521A on the workstation, previous versions of the TEAM 520 and TEAM 510 packages are already installed. You will need to remove them before installing TEAM 5520. To do this, perform the De-Installation procedure in this section.

To install the current TEAM 5520 software,

1. Make sure that all users exit HP OpenView for Solaris.
2. Insert the TEAM 5520 Compact Disk into the CD ROM drive.
3. At a shell prompt become super-user by entering the following command:

```
su root
```

4. To stop HP Open View, type:

```
opt/OV/bin/ovstop
```

5. Start the installation process by entering the following commands:

```
cd /cdrom/cdrom0/solaris
```

6. If a version of the TEAM 5520 is already resident on the workstation, or if you are not sure if it is resident, enter the following command before attempting to install the new version:

```
./remove.sh
```

Ignore any error messages that may appear and answer **y** for the questions.

7. Continue the installation process by entering the following command:

```
./install.sh
```

Answer **y** for the questions. The loading of software will take a few minutes.

8. Start HP Open View by typing:

```
/opt/OV/bin/ovstart
```

9. Remove the CD from the CD ROM drive.

10. Update each HP Open View user's environment by changing your environment scripts (with *textedit* or your favorite editor) as follows:

C (csh) Shell users - add the following lines to #HOME/.cshrc:

```
source /opt/OV/bin/ov.envvars.csh
set path=($path $OV_BIN)
```

Bourne (sh) and Korn (ksh) Shell users - add the following lines to #HOME/.profile:

```
./opt/OV/bin/ov.envvars.sh
PATH=$PATH:$OV_BIN;export PATH)
```

11. These updates do not take effect until you log out and log back in.
To exit superuser, type **exit**).
12. Start HP Openview by typing **ovw &**

5.4 Post-Installation Procedure For All Solaris Environments

Once the TEAM 5520 software has been installed in the desired Solaris environment, the following procedure must be performed to enable IP Discovery.

1. After completing installation and environment setup, open the root map.
2. At the Options menu, select **Network Polling Configuration: IP**.
3. At the Configuration Area, select **IP Discovery**.
4. Enable the **Discover New IP Nodes** option by selecting its checkbox.
5. Click **OK**. Discovery will begin at once and the Universe map will start to show the discovered shelves.

6.0 De-Installation

To remove TEAM 5520 software, including current or previously installed TEAM 520 and TEAM 510 software:

1. Make sure that all users exit HP OpenView for Solaris.
2. Insert the TEAM 5520 Compact Disk into the CD ROM drive.
3. At a shell prompt, become super-user.
4. To stop HPOpen View, type:

```
/opt/OV/bin/ovstop
```

5. Start the removal process by entering the following command:

```
cd /cdrom/cdrom0/solaris  
./remove.sh
```

6. To start all HP Open View, type

```
/opt/OV/bin/ovstart
```
7. Exit super-user (type **exit**).
8. Remove the CD from the CD ROM drive.

6.1 Re-Installation

To re-install TEAM 5520 software, it is necessary to first perform all the steps in the De-installation procedure. This removes all TEAM 5520 packages. You can then repeat the steps of the Installation Procedure described earlier in this chapter. You will not need to repeat the user environment update procedure.

7.0 Operating Guidelines

- The keyboard **Num Lock** or **Caps Lock** key, if pressed ON will make the mouse buttons and the scroll bars inoperable.
- If an X-TERMINAL is being run on a server, its shelf map will not be automatically updated when a new SC5520 SpectraComm card is added to the shelf. The X-TERMINAL map is not updated because the map is read-only. To update the map you must select **Map->Refresh Map** from the shelf map menu bar. This procedure will also close all sub-maps.
- Read-only maps will not be automatically updated. Use **Map->Refresh Map** to update the maps.
- After an installation of the TEAM software or a reboot of the system, TEAM applications may take up to one minute to start up, due to the loading of the shared libraries.
- After an installation of TEAM software, the user must enable **Discover New IP Nodes** from the root map Options menu in order for shelf discovery to occur.

- When **All Screens** is selected from the main configuration window Navigate menu, the Add Remote screen appears in its point-to-point version, regardless of the actual circuit type. If the window is not in use, there is no effect on operations. To perform Add Remote for a multi-point circuit after selecting All Screens you must use the following procedure:
 - A. In the Network Options window, change Circuit Type to **Point-to-Point**. This causes the application to close the Add Remote window.
 - B. Change Circuit Type back to **Multi-point**.
 - C. Select **Add Remote** from the main configuration window Navigate menu. This opens the correct, multi-point version of the Add Remote window.
- At the Front Panel, the following LED may not always report properly: **NETCON CO, TEST OK** and **NETCON TEST**.
- Setting **HDLC Invert** causes an error to be reported. This error may be ignored since HDLC Invert is set to the selected value despite the report.
- The remote submap may fail to open when an NMS 510 or NMS 520 remote is added to the SC5520 master. To get the remote map if this happens, select the shelf and run **Diagnose->Poll Shelf**.
- NMS 510 does not report DCD Loss alarm.
- The SC5520 reports RTS as On when there is no DTE connected to it.
- In DDS-II mode the NMS 510 and NMS 520 require two polls to correctly report DDS DTE Status.
- The NMS 510 always reports CTS transition.
- Concerning HP Openview Symbol Deletion, all applications pertaining to a deleted symbol should be quit.
- When a Digital Loopback test on a remote SC 521A or SC 521A/S is stopped at the Diagnostics Application window, the following error message may appear:

SNMP SET REQUEST FAILED

This error condition does not affect operation and can be ignored.

Section 2 - HP Open View on HPUX 11.0

1.0 Overview

These installation and release notes provide new information relevant to the TEAM 5520 software product, updating the information supplied by the **TEAM 5520 Operation Manual**. For detailed product information, refer to that manual. Team 5520 is now supported on HPUX 11.0 with HPOV 6.1. For details on installing the appropriate platform, refer to the TEAM Core Operation Manual and the TEAM Core Release Notes. For the latest product information, check the GDC website at <http://www.gdc.com> or contact your GDC representative.

2.0 Software Reference

The following table provides detailed reference information for all software modules relevant to TEAM 5520 for HPUX installation. Throughout this manual, short forms of the software product names are used.

Table 2: Software Reference for HPUX

Item	Part Number	Version / Release
TEAM 5520 Software Product	058U733-C01	Ver 4.0.0
TEAM 5520 Operation Manual	058R727-V400	Latest Issue
TEAM Core Software Product	058U737-C01	Ver 4.1.0
TEAM Core Operation Manual	058R720-V410 or greater	Latest Issue
TEAM Core Release Notes	058R957-V410 or greater	Latest issue
HPOV NNM Software Product		Release 6.1
HPUX Operating System	Ref: HP website	Ver 11.0 /November 1999
HPUX and HPOV Patches	Ref: HP website	
HPOV Network Node Manager Performance and Config. Guide	HP J1170-99002	Latest Release
SCM for SpectraComm and V.34 Products	Firmware Ver. 5.2.0	MIB Ver. 3.10F
SCM for UAS Products	Firmware Ver. 7.2.0	MIB Ver. 3.10F
SC5520 Firmware		Release G-

3.0 TEAM 5520 Packages

After installation from the TEAM 5520 DC, the following software packages should be present on the system at the versions (or greater) indicated in the table below. Verify by typing:

```
/usr/bin/pkginfo -1 <PackageName>
```

Package Name	Description	Version
GDCSC5520	GDC TEAM 5520	Ver 4.0.0

4.0 Improvements Since Last Release

This is the initial release of TEAM 5520 V4.0.0 software. This software has been tested to be Year 2000 compliant in accordance to GDC ENG-STD-003. Note the following information concerning this software:

- The application supports long host names long host ID names, up to 50 characters (previously limited to 16).
- The application supports the SpectraComm 521A or 521A/S as managed remote units.
- The application is approved for operation on Solaris 2.7 and 2.8 or HP OpenView 6.1 and on HPUX 11.0 upgrades.

5.0 Corrected Issues

None

6.0 HP OpenView for HPUX

The following sections describe the current requirements and procedures concerning the HP OpenView for HPUX version of TEAM 5520 software.

6.1 Hardware Requirements

- HP 9000 series model 700 or 800
- Minimum requirements of 96 megabytes of RAM, 2 gigabytes of hard disk space, 350 megabytes of free space and 500 megabytes of swap space.
- The graphics card should support a resolution of 1152x900
- CD ROM Drive

Note: *For information on hardware requirements for HP OpenView Network Node Manager products, refer to the HP OpenView Network Node Manager Products Installation Guide.*

6.2 Software Requirements

Before installing this version of TEAM 5520, the following software must be installed. Refer to Table 2-1, Software Reference for HPUX, for detailed identification of all software products discussed below.

System Software Requirements

- HP OpenView NNM
- HPUX
- The most recent HPUX and HP OpenView patches for these versions
- TEAM Core Software Packages
- TEAM 5520 Software Package

Note: ***IMPORTANT** - It is highly recommended that the customer download and install the latest HP OPENVIEW CONSOLIDATED PATCH CLUSTER from the following HP web site: <http://ovweb.external.hp.com/cpe/patches>. This will ensure that you have updated HP OpenView along with any current fixes to reported problems. Refer to the HPUX web site for updates to the HPUX 11.0 Operating System.*

Note: *It is the customer's responsibility to install the listed HP software and patches, and to ensure they are fully operational before loading the General DataComm TEAM applications.*

Note: *For detailed information and procedures on installing HP Openview software, refer to Chapter 1 of the TEAM Core Release Notes (058R957-VREF, where VREF is the latest revision of that document.*

7.0 First Time Installation

1. Close all HP OpenView and TEAM application windows (if applicable).
2. Make sure that all users exit HP OpenView.
3. Insert the TEAM 5520 Compact Disk into the CD ROM drive.
4. At a shell prompt become super-user by entering the following command:

```
su root
```

5. Verify that there is a /**cdrom** directory already present. If not, create it.
6. Enter the following commands:

```
ssh
```

```
mount /dev/dsk/c0t2d0 /cdrom
```

```
cd /cdrom/hpux
```

```
./INSTALL*
```

The install script will automatically stop HP OpenView background processes by running `/opt/OV/bin/ovstop`. Files will then be extracted from CD to hard disk, an operation that will take a few minutes.

7. The script then automatically runs `swremove`, which displays a graphical user interface that you use to remove existing TEAM software. The window title bar will display **SD Remove - Software Selection** in its title bar. If this is a first time installation of TEAM, select **File->Exit** to dismiss the GUI. If there is existing TEAM software to remove, use the following procedure:
 - A. Select TEAM from the window's scroll-down list box.
 - B. Select **Actions->Mark** for Remove.
 - C. Select **Actions -> Remove (analysis)**.
 - D. Select **OK** in the Remove Analysis dialog box to proceed.
 - E. Select **Yes** in the Confirmation popup to continue with the removal.

The script then automatically runs `swinstall`, which displays a graphical user interface for installing the TEAM 5520 software. The window will have "SD Install - Software Selection" in its title bar.

8. Select **TEAM5520** from the window's scroll-down list and double click on it.
9. Select **Actions->Mark for Install**.
10. Select **Actions ->Install (analysis)**.
11. Select **OK** in the "Install Analysis" dialog box to proceed.
12. Select **Yes** in the "Confirmation" popup to continue with the installation.
13. Ignore the error pop-up "\$HOME..sw/sessions/swinstall.last" by selecting **OK**. Installation of the TEAM 5520 software will now begin.

Note: *If the installation stops, displaying an error message, it may be that a GDCTeam utilities application package has been detected on the host that is more recent than the one being installed. To resolve the conflict, consult the first entry in the Log File (as prompted in the error message), then click the Cancel button in the Install Analysis window. From the SD Install window menu bar, select Options ->Change Options. When the Options window appears, scroll to "Enforce dependency analysis errors in agent" and click the selection box (deselects the option). Then, click **OK**. You can now install software packages selectively. Resume the installation from Step 9 - this time, not selecting GDCTeam. When a Dependency Message Dialog window appears, click **OK**.*

14. When the installation is complete, the **Done** button in the Install window is no longer grayed out. Select **Done** now.
15. At the end, select **File->Exit** in the main "SD Install" window.

The script will automatically run `/opt/OV/bin/ovstart` to start HP OpenView background processes.
16. Exit super-user (type `exit`).

17. Update each HP Open View user's environment by changing your environment scripts (with *textedit* or your favorite editor) as follows:

C (csh) Shell users - add the following lines to #HOME/.cshrc:

```
source /opt/OV/bin/ov.envvars.csh
set path=($path $OV_BIN)
xhost +HostName
```

Bourne (sh) and Korn (ksh) Shell users - add the following lines to #HOME/.profile:

```
./opt/OV/bin/ov.envvars.sh
PATH=$PATH:$OV_BIN;export PATH)
```

These updates do not take effect until you log out and log back in.

18. Unmount the CD ROM by typing:


```
cd /
umount /cdrom
exit
```
19. Remove the CD from the drive, then confirm HP Openview and TEAM processes are running by typing:


```
/opt/OV/bin/ovstatus
```
20. If all processes are running, log out from root by typing **exit**
21. Exit super-user (type **exit**).
22. Start HP Openview by typing: **ovw &**

8.0 De-installation

1. Make sure that all users exit HP OpenView.
2. Insert the TEAM 5520 Compact Disk into the CD ROM drive.
3. At a shell prompt, become super-user by typing **su root**
4. Start the removal process by entering the following commands:

```
csh
mount /dev/dsk/c0t2d0 /cdrom
cd /cdrom/hpux
./REMOVE*
```

The remove script will automatically stop HP OpenView background processes by running **/opt/OV/bin/ovstop**. The script then automatically runs **swremove**, which opens a window "SD Remove - Software Selection" for removing existing TEAM 5520 software.

5. Select **TEAM5520** from the window's scroll-down list and double click on it.
6. Select **Actions->Mark for Remove**.
7. Select **Actions ->Remove (analysis)**.
8. Select **OK** in the "Remove Analysis" dialog box to proceed.

9. Select **Yes** in the “Confirmation” popup to continue with the removal.
10. Ignore the error pop-up "\$HOME..sw/sessions/swremove.last" by selecting **OK**. Removal of the TEAM 5520 software will now begin. When the removal is complete, **Done** is no longer gray-ed out.
11. Select **Done** in the “Remove Window” dialog box.
12. Select **File->Exit** in the main “SD Remove” window. The script will automatically run `/opt/OV/bin/ovstart` to start HP OpenView background processes.
13. Unmount the CD ROM by typing the commands

```
cd /
umount /cdrom
exit
```
14. Remove the Compact Disk from the CD drive.
15. Exit as super-user (type **exit**).
16. To start HP Openview, type: `ovw &`

8.1 Re-Installation

To re-install TEAM 5520 software, it is necessary to first perform all the steps in the De-installation procedure. This removes all TEAM 5520 packages. You can then repeat the steps of the Installation Procedure described earlier in this chapter.

9.0 Operating Guidelines

- Read Only Maps will not be automatically updated. Use **Map->Refresh Map** to update the map.
- If an X-TERMINAL is being run on a server, its shelf map will not be automatically updated when a new SC5520 SpectraComm card is added to the shelf. The X-TERMINAL map is not updated because the map is read-only. To update the map you must select **Map->Refresh Map** from the shelf map menu bar. This procedure will also close all sub-maps.
- TEAM applications may take up to one minute to start up after an install of TEAM software or a reboot of the system. This is due the loading of shared libraries.
- When **All Screens** is selected from the main configuration window Navigate menu, the Add Remote screen appears in its point-to-point version, regardless of the actual circuit type. If the window is not in use, there is no effect on operations. To perform Add Remote for a multi-point circuit after selecting All Screens you must use the following procedure:
 - A. In the Network Options window, change Circuit Type to **Point-to-Point**. This causes the application to close the Add Remote window.
 - B. Change Circuit Type back to **Multi-point**.
 - C. Select **Add Remote** from the main configuration window Navigate menu. This opens the correct, multi-point version of the Add Remote window.

- At the Front Panel, the following LED may not always report properly: **NETCON CO**, **TEST OK** and **NETCON TEST**.
- Setting **HDLC Invert** causes an error to be reported. This error may be ignored since HDLC Invert is set to the selected value despite the report.
- The remote submap may fail to open when an NMS 510 or NMS 520 remote is added to the SC5520 master. To get the remote map if this happens, select the shelf and run **Diagnose->Poll Shelf**.
- NMS 510 does not report DCD Loss alarm.
- The SC5520 reports RTS as On when there is no DTE connected to it.
- In DDS-II mode the NMS 510 and NMS 520 require two polls to correctly report DDS DTE Status.
- The NMS 510 always reports CTS transition.
- Concerning HP Openview Symbol Deletion, all applications pertaining to a deleted symbol should be quit.
- Make sure that the HP-UX system application is set to 10PT. This is done through the Font button within the Style manager in the VUE workspace area. If set larger than 10 PT, some TEAM application windows will not display all of the textual information they contain.
- The HP-UX workstation should also contain the file **etc/rc.config.d/ov500** with the following information:

```
SHLIB_PATH=/lib:/usr/lib:/opt/OV/lib/teamcore
export SHLIB_PATH
```

If this information is not present the GDC background daemons will not start after a reboot.
- The user must always start HP OpenView from a user account, not from the root account.
- The **Num Lock** or **Caps Lock** key if pressed on will make the mouse buttons and scroll bars inoperable.
- After an installation of TEAM software, the user must enable **Discover New IP Nodes** from the shelf map Options menu in order for IP discovery to occur.
- During installation of the TEAM software, the following error pop-up may appear: **The xterm environment has not been set**. This error will prevent any windows from launching. To correct this, add the following the following command should be added to the **\$HOME/.cshrc** file:

```
xhost +HostName
```
- When a Digital Loopback test on a remote SC 521A or SC 521A/S is stopped at the Diagnostics Application window, the following error message may appear:

```
SNMP SET REQUEST FAILED
```

This error condition does not affect operation and can be ignored.

