


It is assumed that the PacketScan™ Analyzer Software and License installations are already performed referring to the Software Quick Installation Guide (Packetscan-SIP-RTP-Quick-Install-Guide.pdf).

Note: Proceed to the verification steps below after successfully installing the software and verifying the required licenses (PKV100, PKV105) as explained in the Software Quick Installation Guide (Packetscan-SIP-RTP-Quick-Install-Guide.pdf).


Verification

Follow the steps below for functional verification of PacketScan™ Real-time analysis feature.

- From the PacketScan™ main menu, select **Configure → Protocol and GUI Options** →  **INI Decode Options** from **Configure > Protocol and GUI Options** to open the **Edit INI** screen. Click on Edit INI, this will invoke PacketScanProt.ini file in the Notepad
- In the ini file search for **#SIGTRAN_STANDARD** and enter the **STANDARD_VALUE** as **1** for decoding ITU SIGTRAN. Similarly, set as '2' for ANSI, and set as '3' for ETSI. Save and close the PacketScanProt.ini file.



Note:

- PacketScan™ SIGTRAN protocol does not support Packet Data Analysis.
- Close the PacketScan™ application and invoke again to apply the changes done for PacketScanProt.ini.
- Select **Capture → Stream/Interface Selection** and enable the Ethernet card on which packet needs to be captured
- Select **Capture → Capture File Options** and enable **Circular Capture Buffer**
- Select **Capture → Capture Filter** option, click **SCTP** in the Filter Selection and check **Filter all SCTP data**. Do not activate any other filters in the **Capture Filter**.
- From the PacketScan™ main menu, select **Call Detail Records → Build Call Detail Records**
- From the PacketScan™ main menu, select **File → Start Real-time** or Click **Start Real-time**  icon from the toolbar.(Or Check Start real-time tracing option provided under **Configure → Startup Options**, and then click **Execute**)
- To playback an HDL file containing packets, use **PacketscanUtilities** application. From the GL installation directory double-click **PacketscanUtilities** application.
- Select **Utilities > HDL Playback** from the menu.
- In the **Device** option select required NIC card.



- In the **Select HDL File** option click on browse button to browse and select **C:\Program Files\GL Communications Inc\PacketScan\Examples\Sigtran\Isup_Sigtran_ITU.hdl** file from the GL installation directory.
- Enable **Maintain Timing** option and click **Start**.
- Observe the **ISUP SIGTRAN** decodes displayed in PacketScan™ analyzer summary and detail views.
- From the **PacketScan™** main menu, select **Call Detail Records** → **Open Call Detail Records** to view Call Trace.



Note:

- If you are unable to view the real-time decodes, verify if the Windows® Firewall is enabled. You should **Turn off Windows Firewall** on Windows® and on any 3rd party Anti-Virus software that may be installed on the PC to make sure that Firewall is not blocking any packets or frames.