



*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) 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.

- 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 on **SIP** and **RTP** in the Filter Selection and check **Filter all SIP data** and **Filter all RTP data**. Do not activate any other filters in the **Capture Filter**.
- Select **Capture → Capture Filter** option, select SIP and enable **Filter all SIP data**
- Select **Capture → Capture Filter** option, select RTP and enable **Filter all RTP data**
- From the PacketScan™ main menu, select **Call Detail Records → Build Call Detail Records**
- From the PacketScan™ main menu, select **File → Start Real-time**
- 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\SIP\SIP.hdl** file from the GL installation directory
- Enable **Maintain Timing** option and click **Start**
- From the PacketScan™ main menu, select **Call Detail Records → Open Call Detail Records** to view Call Trace
- From the PacketScan™ main toolbar, click on the **PDA**  icon to invoke PDA (Packet Data Analyzer) and view detail analysis of each session, call graphs and quality scores for the captured **SIP** and **RTP** traffic
- Observe the ED137B information such as PTT-type, Squelch, PTT-id are displayed in Detail View and Call Flow (Ladder Diagram).



### 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 3<sup>rd</sup> party Anti-Virus software that may be installed on the PC to make sure that Firewall is not blocking any packets or frames.