If this is your First-Time-Use of MAPS™ GPRS Gb application, then we recommend you follow all the steps explained in MAPS- GPRS Gb-Quick-Install-Guide to install MAPS™ GPRS Gb application before proceeding with the steps below.

Quick Checkout Procedure

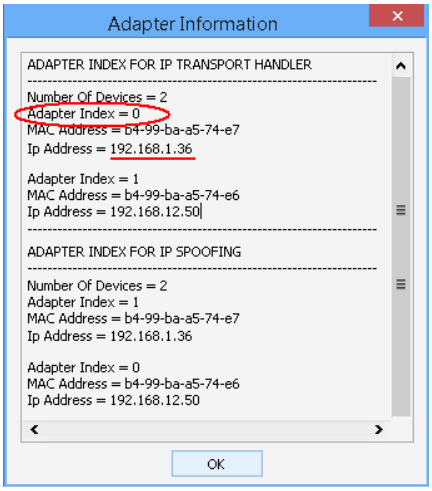
For functional verification, **MAPS-GPRS-Gb** application can be configured on single PC in loopback mode.

On first instance, MAPS™ is configured as **SGSN** (Serving GPRS Support Node), and on the second instance, MAPS™ is configured as **BSC** (Base Station Controller) nodes simulating supported procedures. The following explains **MAPS-GPRS-Gb** configuration on the same PC in loopback mode.

First MAPS™ GPRS Gb (GUI) – (SGSN)

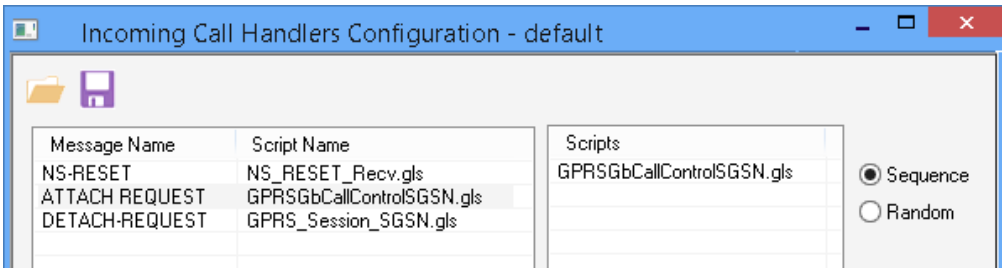
- Right-click on **MAPS-GPRS-Gb** application shortcut icon created on the desktop and select 'Run as Administrator' to invoke the application. The first instance of MAPS™ is configured for ***Call Reception***.

- While invoking the first **MAPS-GPRS-Gb** instance, verify the following in the Protocol Selection window -
  - Protocol Standard = GPRSGB
  - Protocol Version = 3GPP
  - Node = SGSN. Click Ok



- By default, **Testbed Setup** window is displayed. Click and select **SelfTest_SGSN** and check for the parameter default values as listed below:
  - The **Display Adapter Info** option from the **Help** menu displays all the network adapters available in the system. Choose and set the **Traffic Adapter Index** value displayed against the IP address in use.
  - SGSN IP Address = PC IP address
  - Traffic = Disabled
  - SGSN Port = 23002
  - BSC IP Address = PC IP Address
  - BSC Port = 23001
  - Click **Save** button and overwrite the **SelfTest_SGSN** configuration file.

- On the same **MAPS-GPRS-Gb** main window, from **Configuration** menu > select **Incoming Call Handler Configuration** and invoke the window. Verify the following scripts loaded against the messages.
  - **GPRSGbCallControlSGSN.gls** script is loaded against the **ATTACH REQUEST** message,
  - **GPRS_Session_SGSN.gls** script is loaded against the **DETACH REQUEST** message. Exit from the window



Second MAPS™ GPRS GB (GUI) – (BSC)

- Right-click on **MAPS-GPRS-Gb** application shortcut icon created on the desktop and select 'Run as Administrator' to invoke the application. The second instance of MAPS™ is configured for ***Call Generation***.

- While invoking the second **MAPS-GPRS-Gb** instance, verify the following in the Protocol Selection window -
  - Protocol Standard = GPRSGB
  - Protocol Version = 3GPP
  - Node = BSC. Click Ok
- By default, **Testbed Setup** window is displayed. Click and select **SelfTest_BSC** and check for the parameter default values as listed below:
  - The Display Adapter Info option from the Help menu displays all the network adapters available in the system. Choose and set the Traffic Adapter Index value displayed against the IP address in use.
  - BSC IP Address = Source PC IP address
  - Traffic = Disabled
  - BSC Port = 23001
  - SGSN IP Address = PC IP Address
  - SGSN Port = 23002
  - Click **Save** button and overwrite the **SelfTest_BSC** configuration file.
- **Start** the testbed on both the MAPS instances (BSC and SGSN)

- In the second **MAPS-GPRS-Gb** (BSC) instance, click the ***Call Generation*** icon on main window, and invoke the ***Call Generation*** window.
- By default, multiple call instances loaded with **GPRSGbCallControlBSC.gls** script and **MSProfile00**** profiles are displayed. Select the instance loaded with **GPRSGbCallControlBSC.gls** script with **MSProfile0001** profile and click Start button and initiate call generation.
- Return to first instance of **MAPS-GPRS-Gb** (SGSN), on the main window, click ***Call Reception*** icon and observe that the calls are automatically received running the Rx script**.**
- Wait for the calls to terminate, and verify the call flow under the **Message Sequence** tab at both generation and reception end.
- Select any message in the ladder diagram and observe the respective decode message on the right pane for the respective message.