

MAPS™ GPRS Gb over IP is licensed either through software licensing or USB hardware dongle. Follow the procedures below as per your purchase order

System Requirements

- Windows® 10 and above Operating System (**64 bit Only**).
- Core i3 to i7 (or equivalent), 8 GB Memory, NIC cards, and USB Ports.
- PCs which include GL hardware/software require Intel or AMD processors for compliance.
- Ensure that the system has latest Windows® updates and service packs installed.
- Turn OFF Windows Firewall - navigate to **Control Panel** → **Systems & Security** → **Windows Firewall**, click Turn Off Windows Firewall for all networks.

Software based licensing (for evaluation only)

- In case of software-based licensing, the software executables, license installer, and documents can be downloaded from the software licensing web portal (refer to email notification from GL Communications).
- Follow the instructions in the <https://www.gl.com/ses/download/GL-Software-License-Evaluation-Instructions.pdf> to install software license
- To verify that the purchased licenses are installed correctly, open any web browser from the system on which the software license is installed and type the URL "<http://localhost:1947/int/products.html>". Click on **Features** and confirm that the following **Product licenses** are listed:
 - PKS131 (MAPS-SGSN-GB Emulator Over IP)
 - ETH101 (MobileTrafficCore-GTP) *
 - ETH103 (GPRS Gb Server)

***Note:** Additional licenses may be required for optional applications. Please verify that all licenses purchased are displayed.

- After completing software license installation, right-click on **MAPS-GPRSGbx64.exe.exe** and select **Run as Administrator** option to execute the application in administrator mode. Follow the on-screen instructions to complete the software installation.

For a basic functional verification, refer to **MAPS-GPRS-Gb-Quick-Verification-Guide.doc**

USB Hardware Dongle based licensing

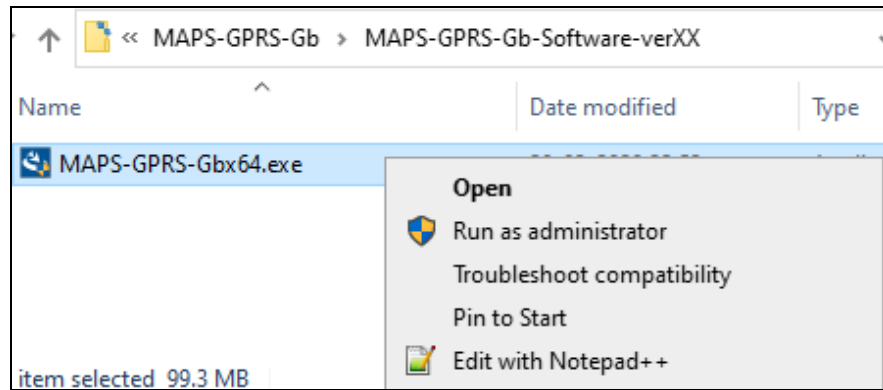
- If the software is licensed through hardware USB dongle, your shipment will contain a **USB Installation Stick** (pen drive) with necessary software executables, license installer, and documents.
- Plug-in the USB Installation Stick (pen drive) to the PC. Windows® should install all required drivers automatically. A red light should appear on the dongle indicating that it is functioning correctly from a physical point of view.
- Navigate to **|GL-Dongle-LicenseInstaller** folder in installation USB stick and execute **GLLdkDongleLicenseInstaller_x64.exe** (or **GLLdkDongleLicenseInstaller_x86.exe**). Follow the on-screen instructions to complete the installation.
- For any issues during the installation, follow hardware dongle licensing procedure mentioned in the <https://www.gl.com/Brochures/Brochures/Installation-Instructions-for-Dongle-Programs.pdf>.

- You can verify if the required licenses are installed. Navigate to *C:\Program Files\GL Communications Inc\GLDONGLE* directory, execute *appl_list.exe* and confirm that the following licenses are listed:
 - PKS131 (MAPS-SGSN-GB Emulator Over IP)
 - ETH101 (MobileTrafficCore-GTP)
 - ETH103 (GPRS Gb Server)

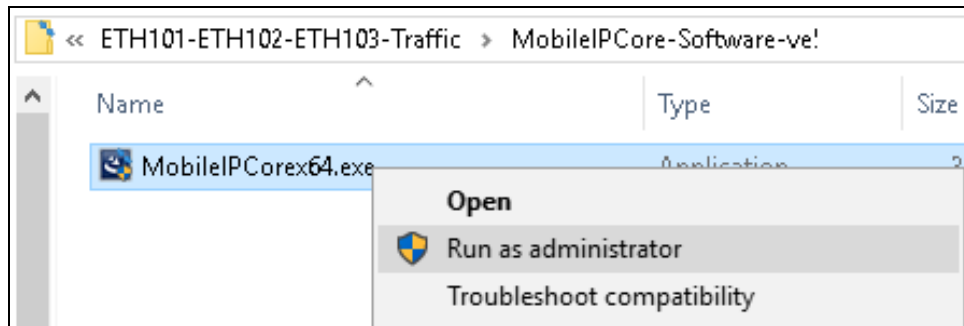


Note:

- Additional licenses may be required for optional applications. Please verify that all licenses purchased are displayed using the *appl_list.exe* utility
- Navigate to *\MAPS-GPRS-Gb\MAPS-GPRS-Gb-Software-verXX* folder, right click *MAPS-GPRS-Gbx64.exe* and select **Run as Administrator**. Follow the onscreen instructions and complete the installation.

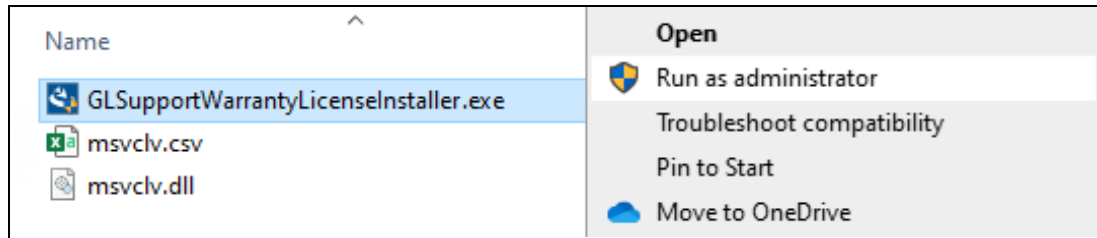



- Additionally, if you have purchased traffic simulation option on GPRS Gb interfaces, you may execute *MobileIPCorex64.exe* from *\ETH101-Traffic\ETH103-Traffic\MobileIPCore-Software-verXX* folder in the USB installation stick. Follow the onscreen instructions and complete the server application installation.

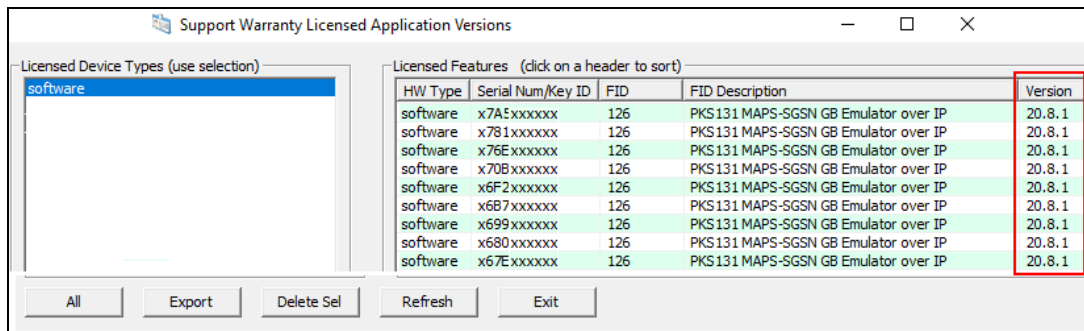


Warranty License Installer

- Users must install the **Warranty License** for the software to run.
- Navigate to root directory in **USB installation stick** (pen drive) to **Warranty_LicenseInstaller** folder, execute **GLSupportWarrantyLicenseInstaller.exe**. Follow the onscreen instructions and complete the installation.



- To confirm that warranty is installed properly, double-click on **Warranty Application List** icon . This will display the list of warranty applications which are purchased.



- Users can check the Warranty expiry date in the **Version** column that is **20.8.1** (i.e. 2020 August 1st), and user can verify the date to be as expected (depending on the support warranty purchased).

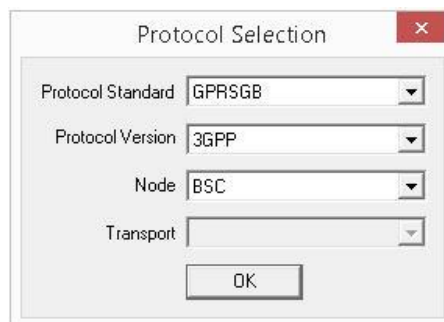
Note: Any latest software updates after warranty period will not be available until warranty licenses are renewed

Invoking Application

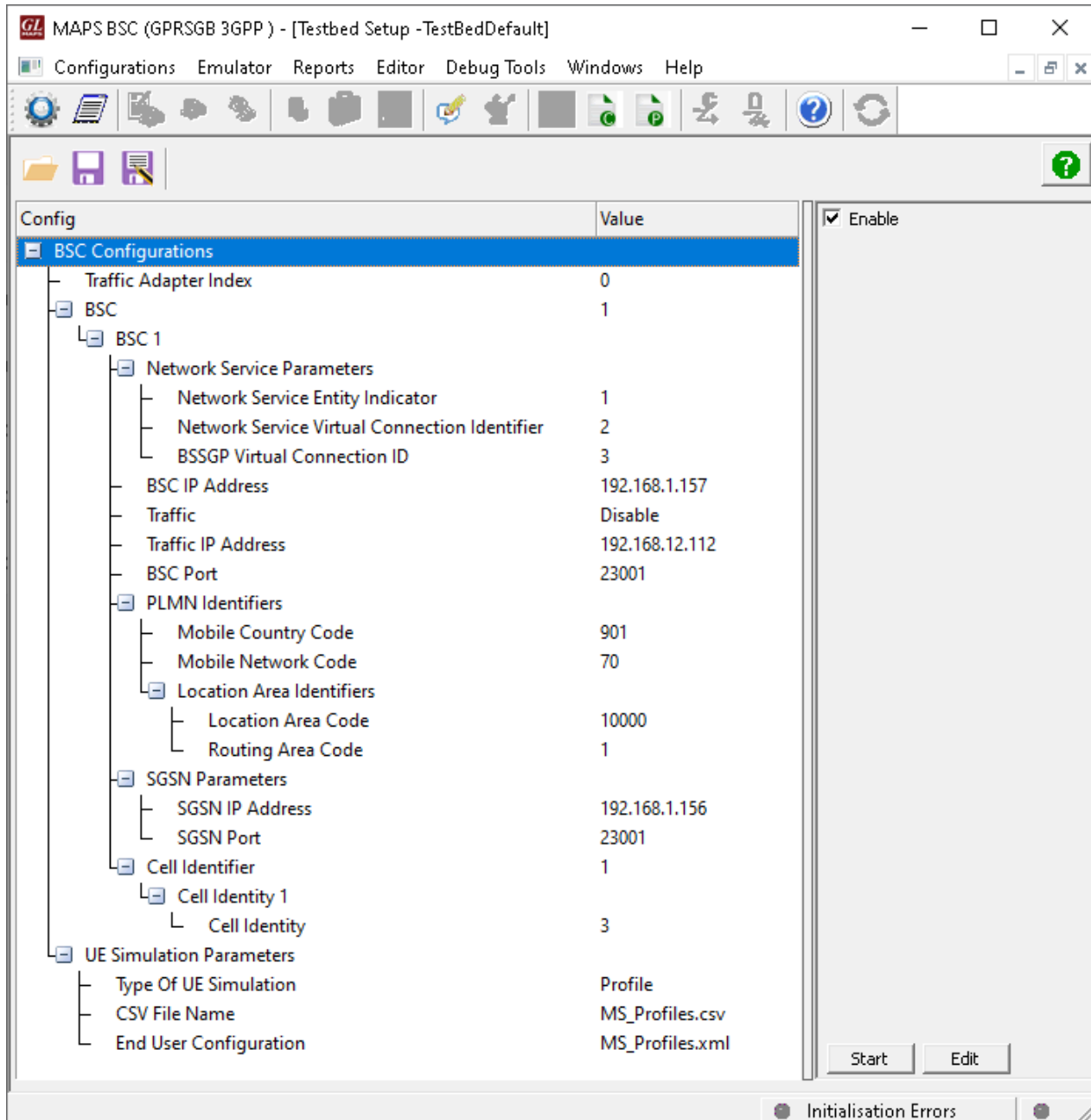
- It is recommended to reboot the system after the software installation.



- Right-click on **MAPS GPRS-Gb** short-cut icon created on the desktop and select **'Run as Administrator'**.
- The application must invoke without any errors. By default, the protocol selection window is displayed.



- On selecting the protocol parameters, the testbed setup window is loaded as shown below



- This completes the installation process. For functional verification of **MAPS-GPRS-Gb** application, refer to [MAPS-GPRS-Gb-Quick-Verification](#) guide.