

**MAPS™ LTE SGs 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.



Note:

- Ensure that 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 the 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:
  - PKS146 (MAPS-SGs Interface Emulation)
  - PKS102 (PacketGen™ RTP Soft Core) (**Optional**)

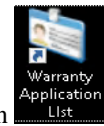
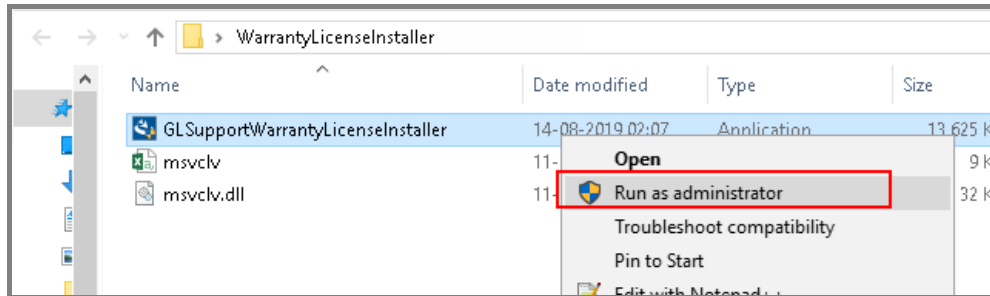
## USB Hardware Dongle based Licensing

- If the software is licensed through hardware USB dongle, the shipment will contain a **USB Installation Stick** (pen drive) with necessary software executables, license installer, and documents along with USB Dongle.
- Plug-in the dongle to the USB port of the computer.
- Plug-in the USB Installation Stick (pen drive) to the PC.
- Navigate to **|GL-Dongle-LicenseInstaller** folder in installation USB stick and execute **GLLdkDongleLicenseInstaller\_x64.exe**. Follow the on-screen instructions to complete the installation.
- A **Red** light should appear on the dongle indicating that it is functioning correctly.
- User 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:
  - PKS146 (MAPS-SGs Interface Emulation)
  - PKS102 (PacketGen™ RTP Soft Core) (**Optional**)
- 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>.

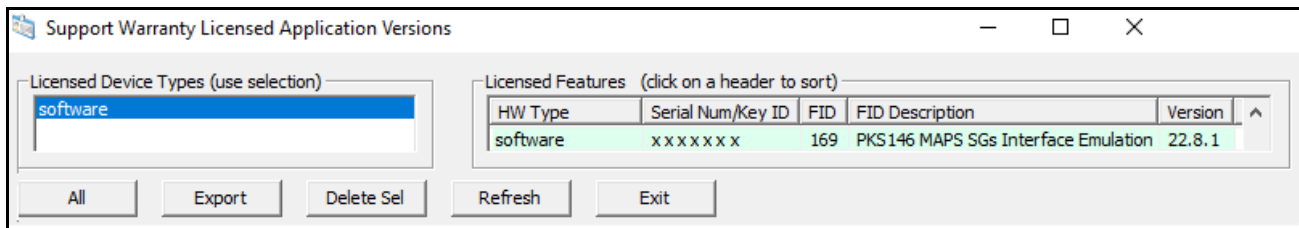
## Warranty License Installer

Follow the below steps to install the Warranty license.

- 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. Refer to the below screenshot.



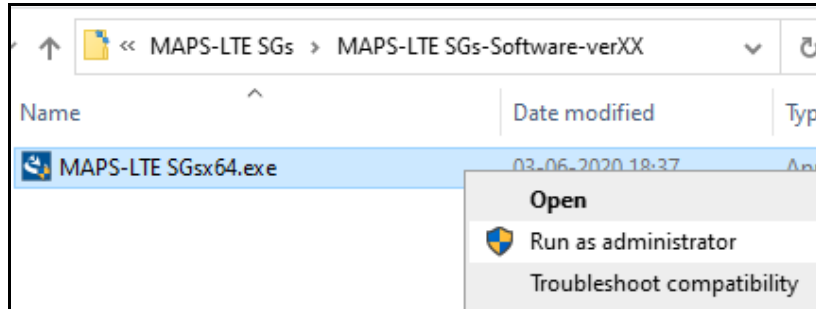
- In the **Version** column, verify the warranty expiry date to be as expected (depending on the support warranty purchased).

### Note:

- Any latest software updates after warranty period will not be available until warranty licenses are renewed.

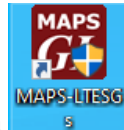
## Software Installation

- Navigate to \MAPS-LTE SGs\MAPS-LTE SGs-Software-verXX folder, right-click on MAPS-LTE SGsx64.exe and select **Run as Administrator**. Follow the on-screen instructions to complete the software installation.

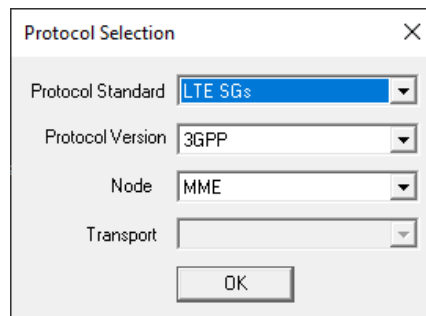


## Invoking Application

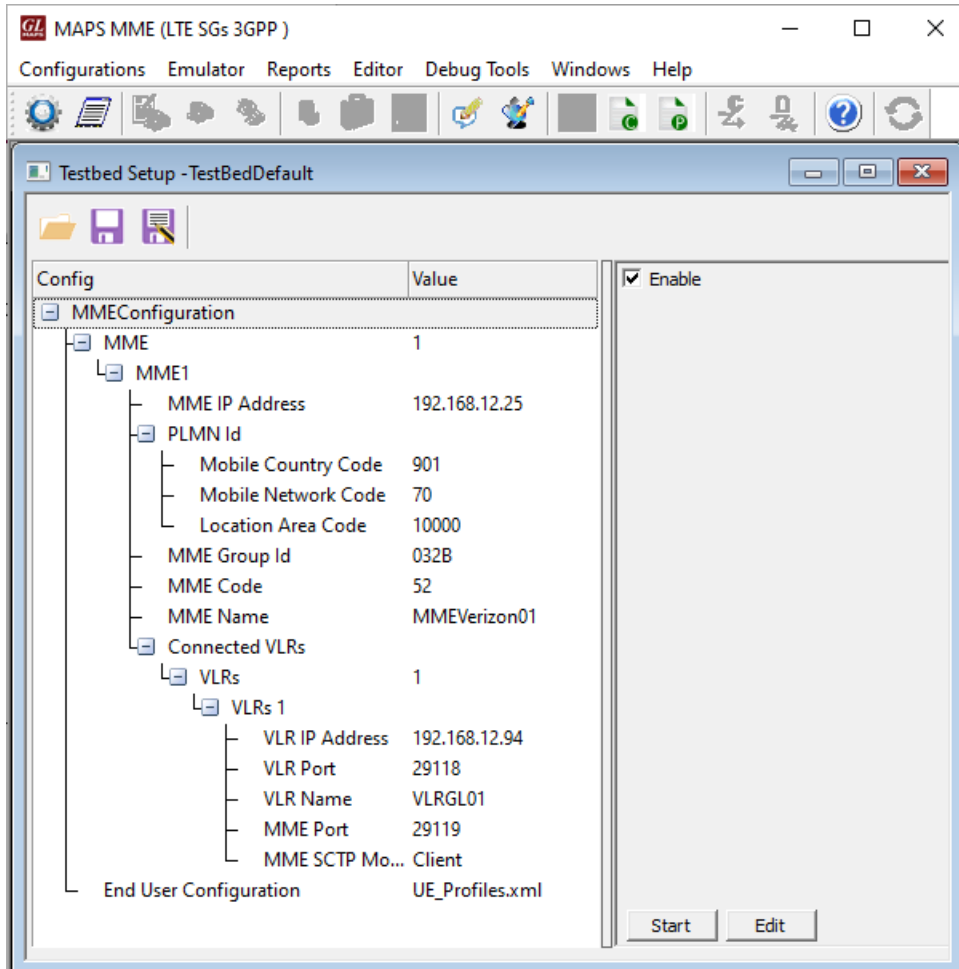
- It is recommended to reboot the system after the software installation.



- Right-click on **MAPS™-LTESGs** shortcut icon created on the desktop and select '**Run as Administrator**'.
- The application should invoke without any errors. By default, the protocol selection window is displayed.



- Select the appropriate parameters in the **Protocol selection** window and click **OK**. The application displays the testbed setup window as shown below



- This completes the quick installation procedure of **MAPS™-LTE SGs application**.
- For functional verification refer to [MAPS-SGsAP-Quick-Verification](#) guide.
- For any queries and technical issues, contact **GL Communications Inc.**