MAPS™ UMTS IuH is licensed either through <u>software licensing</u> or <u>USB hardware dongle</u>. 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), 4 GB Memory, 2 x NIC cards, and USB Ports.

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:
    - ➢ PKS160 (MAPS for UMTS IuH)
    - ➢ PKS102 (RTP Soft Core)*
    - ➢ ETH101 (Mobile GTP Traffic) *

    *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-IuHx64.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-UMTS-IuH-Quick-Verification-Guide**.

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
- 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*.
- Once the license installation is completed, plug the dongle to the USB port of your computer. 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.
- 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:
    - ➢ PKS160 (MAPS for UMTS IuH)
    - ➢ PKS102 (RTP Soft Core)*
    - ➢ ETH101 (Mobile GTP Traffic) *

*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 **\PKS160-MAPS-UMTS-IuCs-IuH\MAPS-UMTS-IuH-Software-verXX** folder, right click **MAPS-IuHx64.exe** and select **Run as Administrator**. Follow the onscreen instructions and complete the installation.
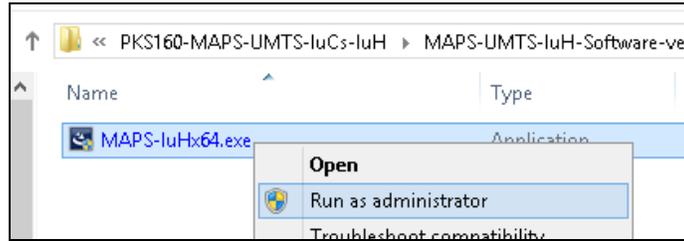
Warranty License Installer

- 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.
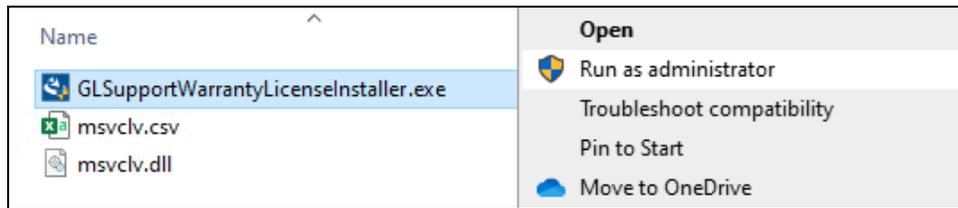
- To confirm that warranty is installed properly, double-click on **Warranty Application List** icon . This will display the list of warranty applications which are purchased.
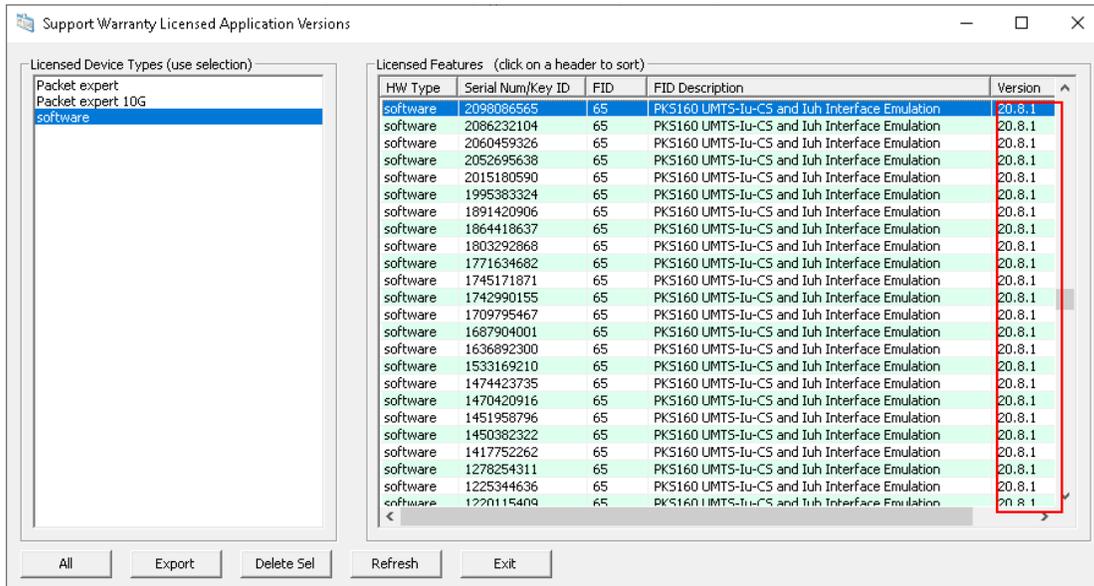
- Users can check the Warranty expiry date in the **Version** column that is **20.8.1** (i.e. 2020 August 1st), and user can verify the date to be as expected (depending on the support warranty purchased).

- **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 IuH** short-cut icon created on the desktop and select '**Run as Administrator'**. The application must invoke without any errors. By default, the application displays the testbed setup window as shown below.
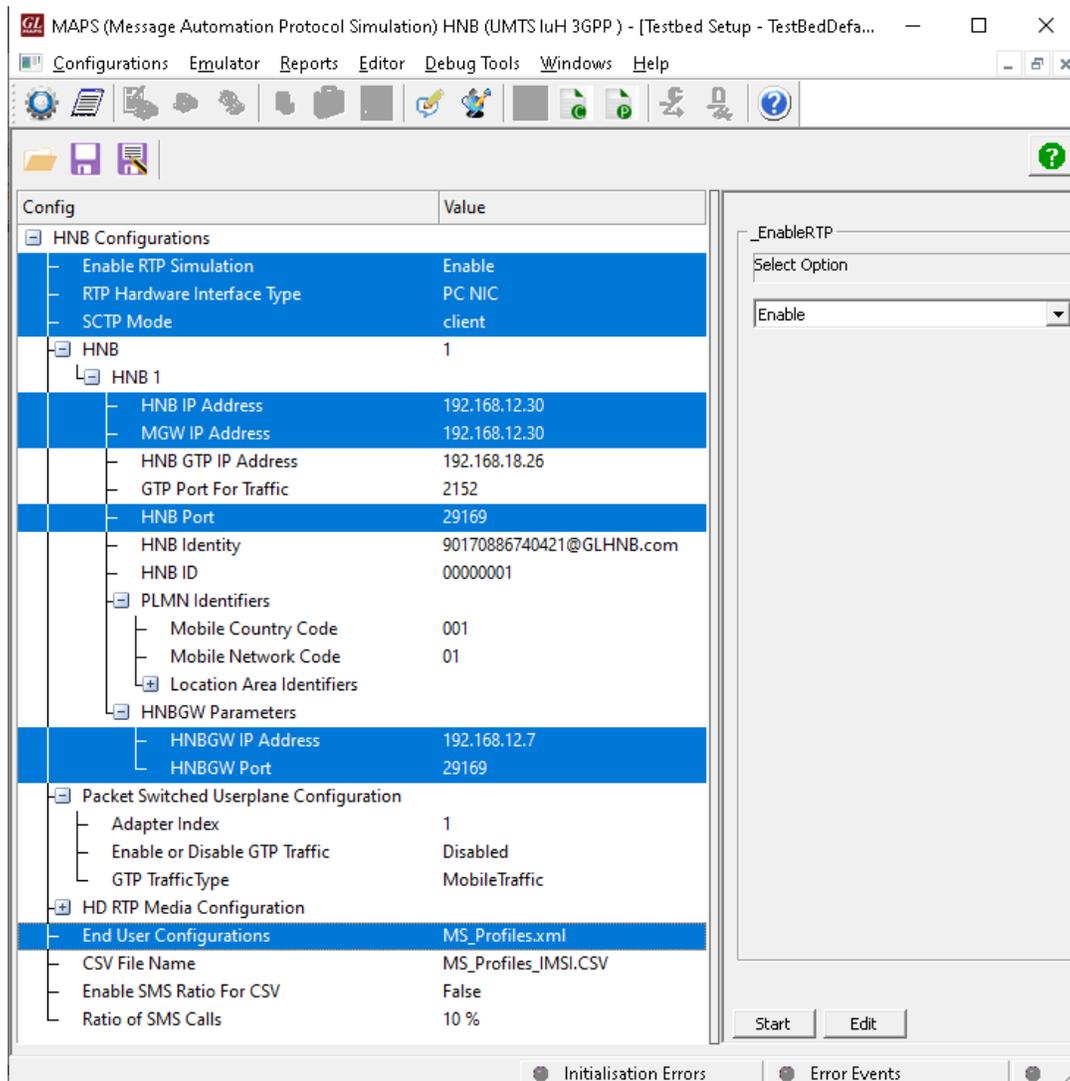
- This completes the installation process, for a quick self-test procedure, refer to the steps explained in the **MAPS-UMTS-IuH-Quick-Verification-Guide** document.