

MAPS™ UMTS IuPS 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), 4 GB Memory, 2 x NIC cards, and USB Ports.

Software and License Installation

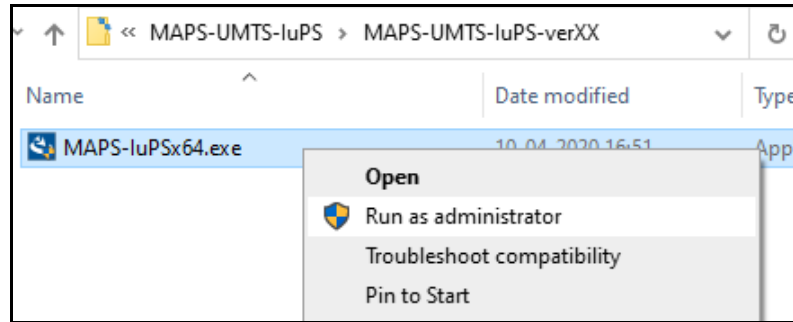
- In case of software-based licensing, the software executables, license installer, and documents can be downloaded from the software licensing web portal (refer to email notification from GL Communications).
 - Follow the instructions in the <https://www.gl.com/ses/download/GL-Software-License-Evaluation-Instructions.pdf> 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](http://localhost:1947/int/products.html)". Click on **Features** and confirm that the following **Product licenses** are listed:
 - PKS164 (MAPS for UMTS IuPS)
 - 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-IuPSx64.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-IuPS-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:
 - PKS164 (MAPS for UMTS IuPS)
 - PKS102 (RTP Soft Core) *
 - ETH101 (Mobile GTP Traffic) *

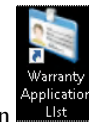
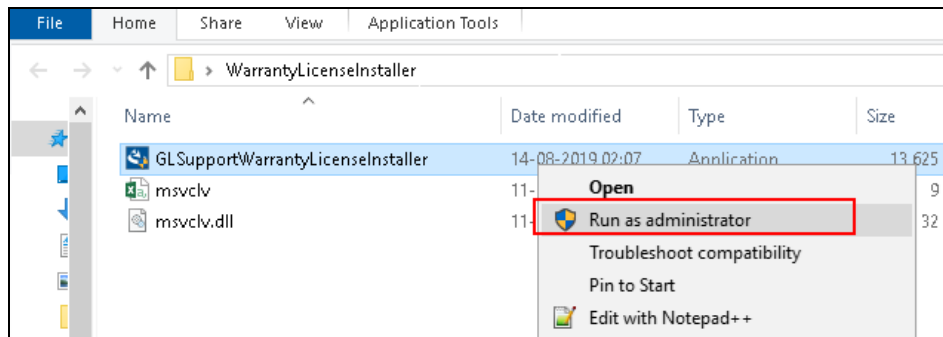
***Note:** Additional licenses may be required for optional applications. Please verify that all licenses purchased are displayed using the **appl_list.exe** utility.

- Navigate to **\\MAPS-UMTS-IuPs\MAPS-UMTS-IuPs-Software-verXX** folder, right click **MAPS-IuPSx64.exe** and select **Run as Administrator**. Follow the onscreen instructions and complete the installation.

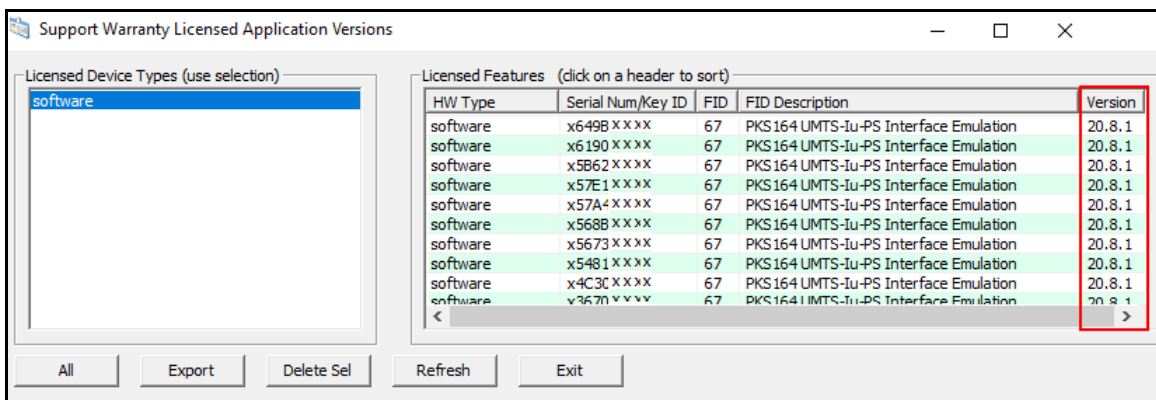


Warranty License Installer

- 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.

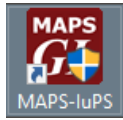


- Users can check the Warranty expiry date in the **Version** column that is **20.8.1** (i.e. 2020 August 1st) and user can verify the date to be as expected (depending on the support warranty purchased).

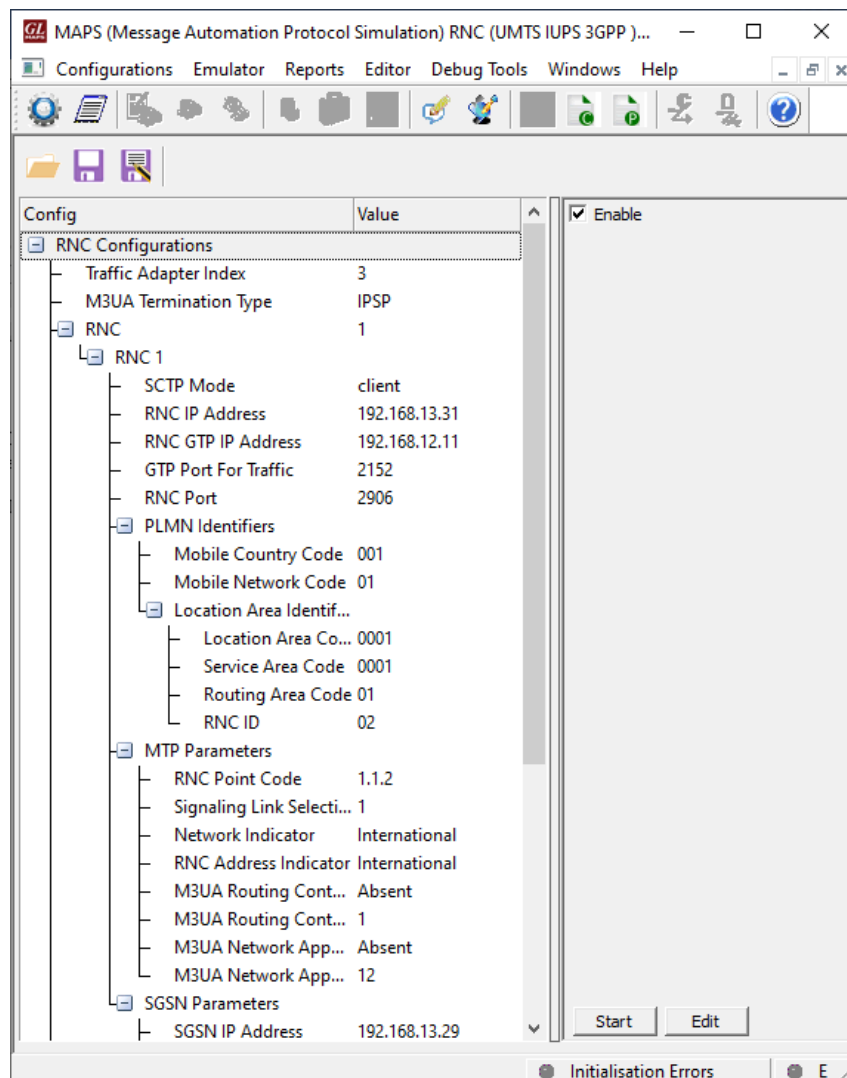
Note: All the **MAPS IuPS** software versions continue to operate normally. But any latest software updates after warranty period will not be available until warranty licenses are renewed.

Invoking Application

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



- Right click **MAPS IuPS** shortcut icon created on the desktop and select **Run as Administrator**. The application must invoke without any errors. By default, the application displays the Protocol Selection window.
- On selecting the Protocol Selection parameters, the testbed is loaded as shown in the below figure.



- This completes the successful installation of MAPS™ IuPS application. For a quick self-test procedure, refer to the steps explained in the [MAPS-UMTS-IuPS-Quick-Verification-Guide](#) document.
- If you are still having issues or any other related questions, contact GL Communications Inc. at info@gl.com.