

MAPS™ INAP 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 i7 (or equivalent), 8 GB Memory, and USB Ports.

Software based licensing (for evaluation only)

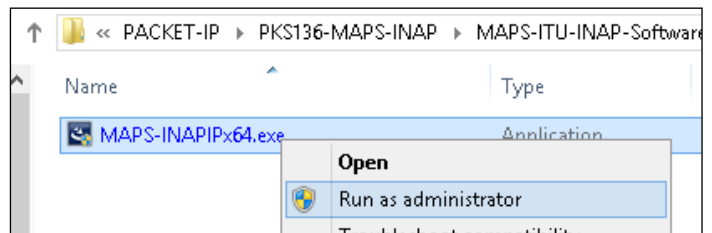
- In case of software-based licensing, the software executables, license installer, and documents can be downloaded from the software licensing web portal (refer to email notification from GL Communications).
- Follow the instructions in the <https://www.gl.com/ses/download/GL-Software-License-Evaluation-Instructions.pdf> 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](http://localhost:1947/int/products.html)". Click on **Features** and confirm that the following **Product licenses** are listed:
 - PKS136 (MAPS for INAP IP)
- After completing software license installation, right-click on **MAPS-INAPIP64.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-ITU-INAP-IP-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:
 - PKS136 (MAPS for INAP IP)

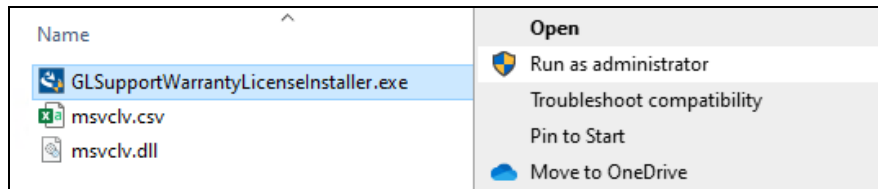
Note: Please verify that all licenses purchased are displayed using the **appl_list.exe** utility.


- Navigate to folder **\PKS136-MAPS-INAP\MAPS-ITU-INAP-Software-verXX** folder, right click **MAPS-INAPIP64.exe** and select **Run as Administrator**. Follow the onscreen instructions and complete the installation.

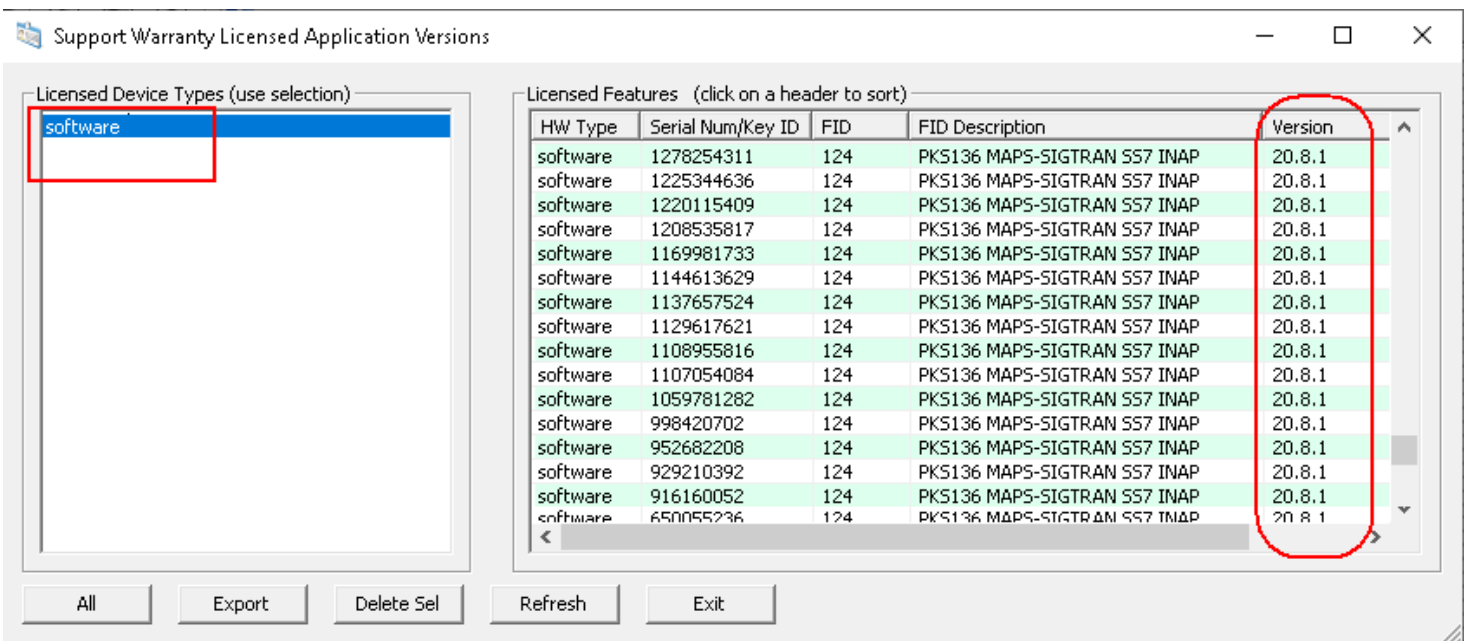


Warranty License Installer

- 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.



HW Type	Serial Num/Key ID	FID	FID Description	Version
software	1278254311	124	PKS136 MAPS-SIGTRAN SS7 INAP	20.8.1
software	1225344636	124	PKS136 MAPS-SIGTRAN SS7 INAP	20.8.1
software	1220115409	124	PKS136 MAPS-SIGTRAN SS7 INAP	20.8.1
software	1208535817	124	PKS136 MAPS-SIGTRAN SS7 INAP	20.8.1
software	1169981733	124	PKS136 MAPS-SIGTRAN SS7 INAP	20.8.1
software	1144613629	124	PKS136 MAPS-SIGTRAN SS7 INAP	20.8.1
software	1137657524	124	PKS136 MAPS-SIGTRAN SS7 INAP	20.8.1
software	1129617621	124	PKS136 MAPS-SIGTRAN SS7 INAP	20.8.1
software	1108955816	124	PKS136 MAPS-SIGTRAN SS7 INAP	20.8.1
software	1107054084	124	PKS136 MAPS-SIGTRAN SS7 INAP	20.8.1
software	1059781282	124	PKS136 MAPS-SIGTRAN SS7 INAP	20.8.1
software	998420702	124	PKS136 MAPS-SIGTRAN SS7 INAP	20.8.1
software	952682208	124	PKS136 MAPS-SIGTRAN SS7 INAP	20.8.1
software	929210392	124	PKS136 MAPS-SIGTRAN SS7 INAP	20.8.1
software	916160052	124	PKS136 MAPS-SIGTRAN SS7 INAP	20.8.1
software	650055236	124	PKS136 MAPS-SIGTRAN SS7 INAP	20.8.1

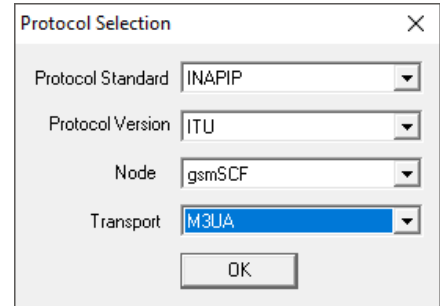
- Users can check the Warranty expiry date in the **Version** column that is **20.8.1** (i.e. 2020 August 1st), and user can verify the date to be as expected (depending on the support warranty purchased).
- **Note:** Any latest software updates after warranty period will not be available until warranty licenses are renewed.

Invoking Application

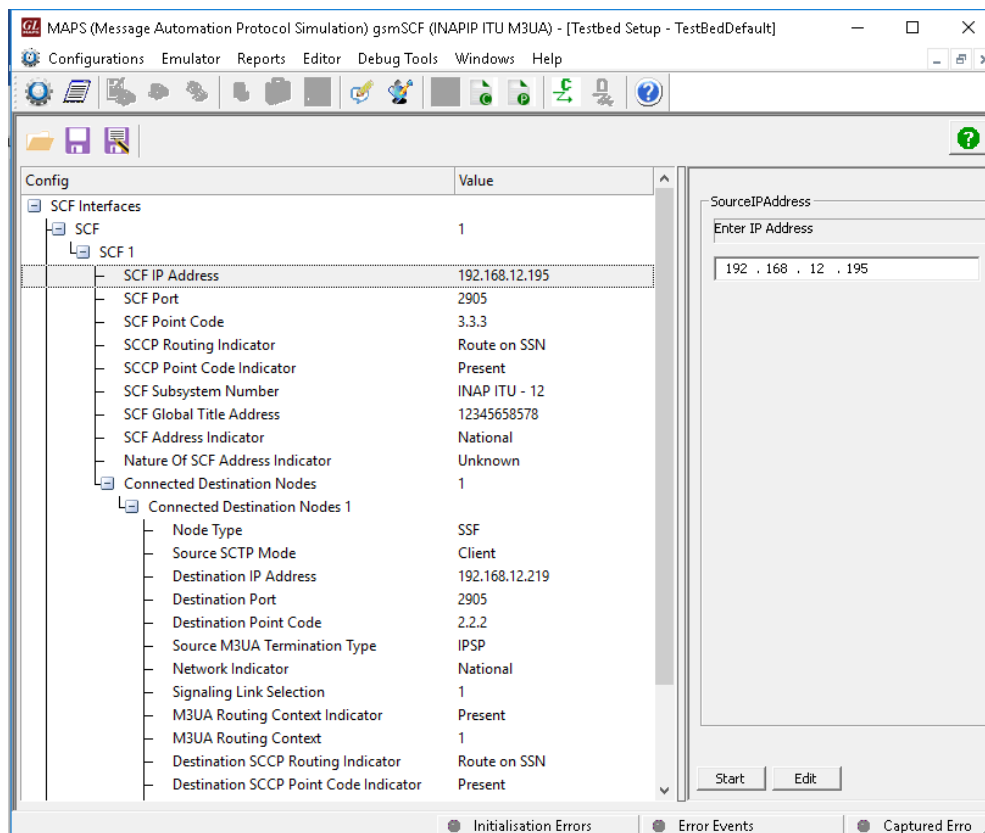
- It is recommended to reboot the system after the software installation.



- Right-click on **MAPS INAPIP** short-cut icon created on the desktop and select ‘**Run as Administrator**’.
- The application must invoke without any errors.
- Protocol Selection window is prompted as shown in the figure.
- By default, Protocol Selection window displays **Protocol Standard** as **INAPIP** and **Protocol Version** as **ITU**
- User should select the **MAP Node** (gsmSCF, gsmSSF) and **Transport** (supports M3UA, M2PA transport types) as required for the test. Click **Ok**.



- Following this, the Testbed window is displayed as shown in the figure below, where the user should configure the node with proper IP address and port.



- Save** the configurations and click **Start** in the Testbed window to get started with the test.
- This completes the successful installation of **MAPS™ INAP IP** application. For a quick self-test procedure, refer to the steps explained in the [MAPS-ITU-INAP-IP-Quick-Verification-Guide](#) document.
- If you are still having issues or have any other related questions, please contact GL Communications at info@gl.com for technical support.