GPS Interference And Navigation Tool (GIANT) User Notice: GIANT-2024-03

Subject: Intel Driver Issue

Background:

The GIANT team has recently become aware of a concern with several Intel drivers causing an adverse effect on GIANT. The issue is caused by driver-side implementations of OpenGL methods used for rendering the map and selecting entities. If your computer updates with these drivers or you upgrade machines with these new drivers, you may experience 2D map issues relating to entity selection (single click, double click, and right click). This issue only affects the 2D map and all normal GIANT operations can still be executed through workspace and property modifications. The GIANT team is working on a more permanent solution. In the meantime, a fix for the problem is to enable your computer to use a dedicated graphics card (if available) in place of the integrated Graphics.

Known Affected Driver sets:

-Intel(R) Iris(R) XE Graphic

-Recent versions of Intel UHD 770.

Steps to change your graphics settings if your system has additional graphics options:

1. Open the Graphics Settings
2. Click the Browse button on the Settings dialog
3. Select the giant_gui.exe (default location: C:\Program Files\GIANT\5.8\giant_gui.exe)
4. Click the Add button
5. Click the GIANT icon
6. Click the Options button
7. Select the High performance radio button (ex: GPU: NVIDIA GeForce RTX 4060 Laptop GPU)
8. Click the Save button

If there are any further questions, please reach out to the GIANT Help desk at giant@linquest.com.

Impact:

Potentially all versions of GIANT could be impacted. 2D map entity selection may be inoperable with new Intel driver.