PGM EVP 1.6 Software Release Notes

Version 1
2021-10-28

Introduction

Swift Navigation is pleased to provide the latest software release for the PGM EVP, Swift's Precision GNSS Module Evaluation Platform. PGM EVP 1.6 updates existing features, adds enhancements for better user experience, and fixes known issues.

Enhancements and Changes

- Updated software packages:
  - Starling v1.6.7
  - PGM firmware v1.2.6
  - PGM updater v3.0.2
- New Skylark demo account with expiration on March 31, 2022.
- Starling config file updated with new settings.
- The `check-for-updates.py` is modified to check the presence of a new version quicker.
- Option to skip Wi-Fi configuration added to the `install-update.sh` script.
- The network manager enable/disable commands are added to Wi-Fi control scripts. The network manager is kept off when not used to avoid periodical Wi-Fi client disconnection due to network scans.
- The network manager Ethernet access timeout decreased to 10 seconds to decrease the boot up time when the platform is not connected to the Ethernet network.

Installation

The PGM EVP software package and installation instructions are posted on the support portal:

swiftnav.com/support -> General -> Downloads -> PGM Evaluation Kit Software

Supporting Documentation

- Starling 1.6 Release Notes v1
- Starling 1.6 Reference Manual v1
- SBP Protocol Specification v3.4.10

- [PGM Evaluation Kit Quick Start Guide v2](#)
- [PGM Evaluation Kit User Manual v3](#)

Compatible Tools

- [Swift Console v3.1.4](#)
- [Drongo Maps v1.0.4](#)
- [Woodpecker Log Utility v1.5.1](#)
- [sbp2report v2.4.0](#)
- [sbp2rinex v1.2](#)

Notes

- Due to the change in the updating process the `check-for-updates.py` script from previous releases does not update the PGM EVP software properly. The new software package must be downloaded and installed manually. See instructions provided in the User Manual in Appendix A.
- [OBDII Vehicle Speed Signal (VSS) Generators](#) Application Note is provided for OBD2 to VSS adapters that can be used with PGM EVP to enhance Dead Reckoning performance.