TECHNICAL BULLETIN

To: Hemisphere GNSS Customer

From: Hemisphere GNSS

Date: **July 17th, 2019**

Reference #:   TB882019-07-17

PRODUCTS AFFECTED:

- **Hemisphere GNSS Position and Position & Heading OEM Boards.**

SCOPE:

HGNSS has released new GNSS firmware (5.9Aa08 and Qq08t) for the positioning products listed above. This new firmware release represents Hemisphere GNSS ongoing commitment to ensure HGNSS customers experience the best possible performance from their products.

The enhancements and improvements available with this new firmware are outlined below:

Firmware Release Notes
Version: 059Aa08 and Qq08t

- H30 Accuracy Improvement
- Moving baseline improvement
- Improvement for SBAS in Vector
- Additional Galileo Satellites support in vectors
- Add $JNMEA,PADHDG command
- Improved long baseline VRS performance
- CAN NMEA 2000, and Proprietary messages
- BeiDou improvements (BDS Phase 3 and B2b support)
- Added mode for BeiDou-only
- RTK Improvements (better use of BeiDou satellites)
- Improve handling of multiple messages from repeater for CMR+ decoding
- Firmware Image Compression for faster loads
- Update Almanacs and minimum Week
- Improved tracking
- Support of External Clock in timing receiver (on capable boards only)
- CPU improvements
- Fix SUREFIX issue that could result in float solution when using VRS base
- Other bug fixes and general improvements

Product specific release notes and binary files can be downloaded on our website at
WWW.HGNSS.com/Resources-Support/Software

FURTHER INFORMATION:

If you have any further questions, please contact Hemisphere GNSS technical service department at +1 (480) 348-6380. For support via email, please contact TechSupport@HGNSS.com or consult WWW.HGNSS.COM for the latest HGNSS product and software information.

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