



TECHNICAL BULLETIN

To: Hemisphere GNSS Customers
From: Hemisphere GNSS
Date: February 1st, 2019
Reference #: TB642019-02-01

PRODUCTS AFFECTED:

- All HGNSS Positioning and Heading Products

SCOPE:

On April 6th, 2019, the GPS week will reach the 1024 bit limit and reset to 0. Global Positioning System (GPS) signals provide accurate timing information, including the date. The timing information includes the ability to transmit the current week and the current number of seconds into the week. GPS receivers can then translate the date and time into a more common format; time of day, day, month, and year. The week number is represented by a 10-bit binary number. This limits the range of the week number to a value ranging from 0 to 1024.

All Hemisphere GNSS positioning and heading products' firmware will continue to count the week in succession. On April 6th 2019 the GPS week reporting in all Hemisphere GNSS products will go from 2047 to 2048. All Hemisphere products will continue to function properly without any issue. GPS week rollovers have been accounted for and implemented in all Hemisphere GNSS firmware builds available from us since 1999.

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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