



FPRN News

September 25, 2020

Verizon Outage

On September 16, 2020, Verizon had an outage that affected the entire Eastern United States. Unfortunately, this had a negative impact on the FPRN. We are taking steps to mitigate this type of disruption in the future.

Beidou Constellation

In a continuing effort to improve network performance, we are adding the Beidou constellation to the FPRN in the near future. The corrections for this constellation will be accessible through the RTCM 3.2 Multi-Satellite-Messaging (MSM4) broadcast, both on the Singlebaseline and Network solutions.

The Dynamic map will be updated to show this new constellation.

An additional notice will be given about the actual implementation date.

First Responder Network

In a continuing effort to improve network performance, we are migrating all station communications to the First Responder Network. This migration will take place over the next couple of years, finalizing in 2023. This move should provide a more stable environment supporting First Responders during State emergencies.

Network Solution

When using port **10000** to receive corrections you **MUST** turn on your NMEA (GGA) message string, and it must be set to broadcast at a rate of 30 seconds or less (we suggest 15 or 20 seconds).

ITRF 2014

The NGS's proposed changes to our Datums in 2022 have been pushed back to 2024 or 2025.

We still offer this secondary datum which allows users to start updating the coordinates in their local databases. It may also be useful for projects that will extend past the National Spatial Reference System (NSRS) implementation date.

If you wish to receive this broadcast, please contact Ron Hanson to express your need.