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NSRS Modernization News

For all issues of **NSRS Modernization News**, visit:
geodesy.noaa.gov/datums/newdatums/TrackOurProgress.shtml

Blueprint for 2022, Part 3

The Blueprint for 2022, Part 3: Working in the Modernized NSRS document was published in April, 2019. It contained significant details on the future of “bluebooking,” new types of coordinates, new terminology, planned improvements to the NOAA CORS Network, and more. Download a copy at: https://geodesy.noaa.gov/library/pdfs/NOAA_TR_NOS_NGS_0067.pdf

What Will “2022” Entail?

NGS has published a Technical Memorandum which outlines every product and service currently slated for the 2022 roll-out of the NSRS modernization, as well as a status report on each project related to those products and services. Download a copy at: https://geodesy.noaa.gov/library/pdfs/NOAA_TM_NOS_NGS_0078.pdf

Progress of Ongoing Projects

There are currently 24 ongoing projects directly related to NSRS modernization around NGS. Here are highlights from a select few:

- **GRAV-D**

Project Manager: Jeffery Johnson

Weather and mechanical issues prevented NGS from completing airborne gravity collections over Hawaii. With 75% of Hawaii collected, it now looks like NGS will return there sometime in 2021 to finish up.

- **GPS Campaign for Transformations** Project Manager: Galen Scott

NGS has released a [new web map](#) for its updated priority listings of marks where new GPS observations will best improve its 2022 coordinate transformation tool. For more information, check out the GPS on Bench Marks web page at: <https://geodesy.noaa.gov/GPSonBM/>

- **OPUS-Projects for RTK/RTN**
Project Manager: Dr. Dan Gillins

NGS has been working behind the scenes to develop a standardized file format for GNSS vectors, as part of the necessary infrastructure to building a version of OPUS-Projects which can ingest vectors directly. Such vectors might come from long-session post-processing of GNSS data, but might also come from short RTK/RTN sessions. The new format will replace the “G files” of bluebooking, and are built around the XML standard. The draft format will be released in late summer 2019 for public comment prior to being formally adopted at NGS.

This new expansion to OPUS-Projects will set the standard for future developments in OPUS-Projects, including methodologies like leveling, classical surveying, and gravity.

