



NSRS Modernization News

For all issues of **NSRS Modernization News**, visit:

geodesy.noaa.gov/datums/newdatums/TrackOurProgress.shtml

Blueprints

Upcoming NOAA Technical Report, “*Blueprint for 2022, Part 3: Using the Modernized NSRS*” has been delayed for a few months as NGS works to standardize all of its internal and external rules regarding the collection, processing, storage, and dissemination of time-dependent geodetic control data.

Upcoming Outreach

The ASCE-UESI conference in Pomona, California held a two-part session entitled *NSRS Modernization* from 1:45 to 2:40 and 3:30 to 4:50 on April 23.

Progress in Ongoing Projects

There are currently 18 ongoing projects directly related to NSRS modernization around NGS. Here are highlights from a select few:

- **Intra-Frame Velocity Model**

Project Manager: Dr. Daniel Roman

A Request for Interest (RFI) has been announced to elicit feedback from the industry to identify alternative solutions that address NGS operational and budgetary requirements and inform interested parties of the planned acquisition of Intra-Frame Velocity Model capabilities. Further information is available at <https://www.fbo.gov/spg/DOC/NOAA/EASC/18-00729/listing.html>.

- **State Plane Coordinates for 2022**

Project Manager: Michael Dennis

A Federal Register Notice published April 18, 2018 announced that draft SPCS2022 policy and procedures are available for public comment through August 31 at <https://www.federalregister.gov/documents/2018/04/18/2018-08141/policy-and-procedures-documents-for-the-state-plane-coordinate-system-of-2022>.

On April 12, NGS presented a SPCS2022 webinar titled “*Building a State Plane Coordinate System for the Future*” as a follow-up to the popular “*The State Plane Coordinate System: History, Policy and Future Directions*” webinar presented on March 8. Recorded video and slides for both webinars are available at https://geodesy.noaa.gov/web/science_edu/webinar_series/2018-webinars.shtml.

- **GRAV-D**

Project Manager: Monica Youngman

In February 2018, the Gravity for the Redefinition of the American Vertical Datum (GRAV-D) project completed a 50 flight hour survey on the NOAA G-IV aircraft from the NOAA Aircraft Operation Center in Lakeland, Florida. This was the first time this aircraft was used in an airborne gravity survey. Its success is critical to completing the Pacific Islands in FY19 and, fortunately, this test survey went very well. The G-IV aircraft collects high quality gravity data with greater speed than other aircraft, and its use prepares NGS for the logistics of operating the aircraft in a remote location.

GRAV-D is scheduled to begin collecting data for the Pacific Islands, including Hawaii, Guam, and American Samoa, with the G-IV aircraft in December 2018.

