

Issue 10, January 2018

# NSRS Modernization News

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

## Blueprints

*NOAA Technical Report NOS NGS 64, "Blueprint for 2022, Part 2: Geopotential Coordinates"* was released on November 13<sup>th</sup>.

## Foundation CORS

After a slow start, the Foundation CORS project is underway again. A formal project plan exists, outlining the strategies for completion of this network by December 2022. A significant portion of the network will be through incorporation and refurbishment of existing GNSS infrastructure. For more information, contact the Foundation CORS project manager, Dr. Kevin Choi.

## Upcoming Outreach

In the next few months, two national conferences will host sessions on NSRS Modernization. They are:

- The **ASPRS/ILMF** conference in Denver, CO will have a panel session entitled *North American Terrestrial Reference Frame of 2022 Modernization Program*, which is scheduled from 3:15 to 4:30 on February 6.
- The **ASCE-UESI** conference in Pomona, CA is holding a two-part session entitled *NSRS Modernization* from 1:45-2:40 and 3:30 to 4:50 on April 23.

## Progress of Ongoing Projects

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

## State Plane Coordinates for 2022

### Project Manager: Michael Dennis

Draft policy and procedures have been developed for SPCS2022, and they will be released for public comment within the next few weeks. A new report

will also be published soon: *NOAA Special Publication NOS NGS 13, "The State Plane Coordinate System of 1983: History, Policy, and Future Directions."* This document includes definitions for every SPCS zone ever created by NGS. An NGS webinar on SPCS2022 is scheduled for March 8 (sign up at [https://geodesy.noaa.gov/web/science\\_edu/webinar\\_series/Webinars.shtml](https://geodesy.noaa.gov/web/science_edu/webinar_series/Webinars.shtml)).

## OP2IDB Project Manager: Dr. Mark Schenewerk

In November, 2017, BETA OPUS-Projects wrapped up its series of "quick start" training webinars and demos. The presentation (.ppt) and recording (.mp4) of these webinars are available here:  
<ftp://ftp.ngs.noaa.gov/pub/corbin/Beta%20OPUS%20Projects%20webinar%20material/>

## xGEOID Annual Project Manager: Dr. Yan Wang

xGEOID18 will come with enhancements not seen in previous xGEOID releases. Of note, all three areas which will eventually be covered by GEOID2022 (North American/Pacific, American Samoa and Guam/CNMI) will be covered. Additionally a companion deflection of the vertical model, xDEFLEC18 will be released with xGEOID18.



**GRAV-D progress last quarter: up 1.3% to 65.2%**

**Ahead of Schedule!**

Recently: GA and OK

