

National Geodetic Survey geodesy.noaa.gov

Positioning America for the Future



**NOAA's National Geodetic Survey (NGS)
National Spatial Reference System (NSRS)
Modernization Industry Workshop**

NOAA Science Center
1301 East West Highway, Silver Spring, MD 20910
May 7-8, 2018

Agenda

Monday, May 7

9:00 am -10:00 am: Registration Open

10:00 am -10:30 am: **Opening Session**

Opening Remarks

Russell Callender, Assistant Administrator, NOAA's National Ocean Service

Goals and Overview

Juliana Blackwell, Director, NOAA's National Geodetic Survey

General Announcements and Ground Rules

Christine Gallagher, Communications and Outreach Branch Chief, NOAA/NGS

10:30 am - 10:45 am **NSRS Modernization: Setting the Context**

Dru Smith, NSRS Modernization Manager, NOAA/NGS

10:45 am - 11:30 pm: **NGS Lightning Updates: Science, Decisions, & Definitions**

Modernizing the Geometric Reference Frames

Kevin Choi, CORS Branch Chief, NOAA/NGS

Modernizing the Geopotential Datum

Dru Smith, NSRS Modernization Manager, NOAA/NGS

Questions/Answers for speakers

11:30 am -12:00 pm: **Panel Discussion: Science, Decisions, & Definitions**

12:00 pm -1:30 pm: Lunch on Own



Professional Surveying Perspective

James Shaw, GPI

Remote Sensing and Engineering Design Applications Perspective

Stephen Clancy, Michael Baker International

GIS and Autonomous Driving Perspective

Jan Van Sickle, Here Technologies

Questions/Answers for guest speakers

2:30 pm - 3:00 pm:

Panel Discussion: End Users Perspectives

3:00 pm - 3:30 pm:

Break

3:30 pm - 4:00 pm:

NGS Lightning Updates: Putting the Science into Production

Accepting Real Time Data

Dan Gillins, Geodesist, NOAA/NGS

State Plane Coordinate Systems

Michael Dennis, Geodesist, NOAA/NGS

4:30 pm - 5:00 pm:

Panel Discussion: Putting Science into Production

5:30 pm - 7:00 pm:

Informal social event

Denizens Brewing Company

1115 East West Highway, Silver Spring, MD 20910

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Agenda Tuesday, May 8

8:30 am - 9:00 am: Registration Open

9:00 am - 9:05 am: **Day One Recap and Day Two Overview**
Christine Gallagher, Communications and Outreach Branch Chief, NOAA/NGS

9:05 am - 10:20 am: **Break Out: End User Cases & Putting Science into Production**

Discussion Questions

- 1) What end-user problems do you anticipate with NSRS Modernization?
- 2) What information can NGS provide to make this transition as smooth as possible for end users?
- 3) What training (e.g., documents, guidance, webinar, workshops) would help industry partners and end users prepare for NSRS Modernization?

10:20 am - 10:45 am: Break

10:45 am - 11:05 pm: **NGS Lightning Updates: NGS Tools and Data**

Updates from NGS Systems Development Division

Krishna Tadepalli, Geodetic Applications Branch Chief, NOAA/NGS

11:05 am - 12:00 pm: **Panel Discussion: NGS Tools and Data**

12:00 pm - 1:30 pm: Lunch on Own

1:30 pm - 3:00 pm: **Break Out: NGS Tools and Data**



Discussion Questions

- 1) Share feedback about current NGS transformation tools (e.g., transformation parameters; data software standards; and overall architecture)?
- 2) What information can NGS provide to ensure industry software and tools can accommodate this new paradigm (i.e. time-dependent coordinates)?
- 3) What recommendations would you make to NGS in the development of future tools, database structure, etc.?

3:00 pm - 3:30 pm:

Break

3:30 pm - 4:30pm:

Open Discussion

Focus: Industry Partner Report Out

Up to One Representative from Each Industry Organization

Optional (Time-Permitting): Panel Discussion

4:30 pm - 5: 00 pm:

Closing Session

Synthesis of What We Learned

Dru Smith, NSRS Modernization Manager, NOAA/NGS

Action Plan and Next Steps

Christine Gallagher, Communication and Outreach Branch Chief, NOAA/NGS

Closing Remarks

Brad Kearse, Deputy Director, NOAA/NGS