

NOAA Hydrographic Services Review Panel Public Meeting

Seattle, Washington, April 18 – 20, 2017

HSRP ONLINE Meeting Agenda (VERSION APRIL 10, 2017)

Tuesday, April 18 – Day One **meeting times subject to change*

Morning

**HSRP PUBLIC MEETING CONVENES, Paris Ballroom
Kimpton Hotel Monaco, 1101 4th Ave, Seattle, WA 98101**

8:30 – 10:00

Public meeting convenes: welcome and introductions

- Bill Hanson, HSRP chair
- Rear Admiral Shepard M. Smith, director, Office of Coast Survey, and HSRP designated federal official
- HSRP member self-introductions
- HSRP member oath of office, Lindsay Gee
- Dr. Russell Callender, assistant administrator, National Ocean Service

Opening speakers:

- Joshua Berger, Governor's Maritime Industry Sector Lead, Washington State Department of Commerce
"Washington's Maritime Sector: Relevant, Resilient and Innovative"
- Captain Jason R. Hamilton, commanding officer, USCG Cutter *Healy*, U.S. Coast Guard
"USCGC HEALY: leveraging partnerships and technology to provide presence and access in the Arctic"
- Lieutenant Colonel Andrew L. Olson, deputy commander, Seattle District, U.S. Army Corps of Engineers
"U.S. Army Corps of Engineers' navigation mission, EHydro and coordination with NOAA and U.S. Coast Guard partners"

10:00 – 10:15

Break

10:15 – 11:45

National Ocean Service's navigation services program updates

- Richard Edwing, director, Center for Operational Oceanographic Products and Services
- Juliana Blackwell, director, National Geodetic Survey

- Rear Adm. Shepard M. Smith, director, Office of Coast Survey

11:45 – 12:00 **Public comment period; discussion**

12:00 – 1:45 **Public meeting adjourns for lunch – lunch on your own
(HSRP members working lunch)**

Afternoon

HSRP PUBLIC MEETING RECONVENES

1:45 – 4:00

Opportunities and Challenges: Integrating NOAA’s Navigation Services Data

The nation’s waterways face unique issues affecting navigation services and data integration. From crowdsourced data to the future of e-navigation to software development, the panel will examine how mariners use NOAA’s navigational, positioning, and coastal data, products and tools. This panel will explore the “next generation” of navigation service solutions for decision support at all levels.

Moderator: Rear Adm. Shepard M. Smith

- Travis Newman, Marine Chart Division, Office of Coast Survey, National Ocean Services

“What is the National Charting Plan and How Can You Contribute?”

- Dr. Jan A. Newton, NANOOS Executive Director, Principal Oceanographer, Applied Physics Lab, University of Washington

“NANOOS: Linking observations to provide safe maritime applications to Pacific Northwest stakeholders as part of U.S. IOOS”

- Jeff Hummel, director, Sales and Marketing, Rose Point Navigation Systems

“From Paper to Electronic Charts, Lessons Learned, New Directions, and a Vision of What Lies Ahead”

- Jeffrey Siegel, president, ActiveCaptain

“Every Crowd Has a Silver Lining”

4:00 – 4:15

Break

4:15 – 4:45

Update on charting channels, harbors, and “underlap”

- Rear Adm. Shepard M. Smith

4:45 – 5:00

Public comment period

5:00

HSRP discussion – recap on day/sessions and end day 1

HSRP PUBLIC MEETING DAY 1 ADJOURNS

Wednesday, April 19 – Day Two

Morning

HSRP PUBLIC MEETING CONVENES

8:30

Public meeting convenes

- Bill Hanson, HSRP chair
- Rear Adm. Shepard M. Smith

8:30 – 8:45

Overview and discussion of day one

8:45 – 9:30

Discussion of four issue papers

Dr. Dave Maune and Joyce Miller, chairs, HSRP Planning and Engagement Working Group

1. Improving Data Access for U.S. Nautical Charts
2. Surveying and Charting in U.S. Harbors and Channels
3. Precision Navigation
4. Recreational Boating

9:30 – 9:45

Break

9:45 – 11:45

Partnerships for Pacific Northwest – On and Off the Chart

All U.S. mapping, charting, and transportation activities and infrastructure are founded on a reliable, accurate national coordinate system that rely on the value and use of geodetic and tidal datums for marine boundaries. The National Ocean Service provides that system, which contributes more than \$2.4 billion in potential annual benefits to the U.S. economy. NOS provides the nation's network of coastal tide and water level sensors, long term sea level trends, current predictions, and real-time current information at many of our nation's ports. NOS also provides data and tools that enable businesses and coastal communities to better plan for and mitigate risk from changing conditions.

This panel will examine the value and use of datums, circulation models, and navigation tools, and will discuss potential measures to improve partnerships and management. Stakeholders will note how they use NOS data, tools, and services and will offer suggestions or improvements.

Moderator: Captain John Veentjer, (U.S. Coast Guard, ret.), executive director, Marine Exchange of Puget Sound

- Gavin Schrock, PLS, administrator, Washington State Reference Network

“Cooperative Geodetic Activities and National Spatial Reference Framework Modernization Planning in Washington State”

- Dorrell Dickson, geospatial survey analyst, GIS Department, Tulalip Tribes of Washington
“Using Tidal Benchmarks to Measure Legal and Regulatory Boundaries”
- Dr. Parker MacCready, professor of oceanography, University of Washington
“Data Needs for Realistic Circulation Modeling of Inland and Coastal Waters of the Pacific Northwest”
- Linda Stryk, executive director, Puget Sound Pilots
“Pilots, ports, and partnerships with NOAA’s navigation products”

11:45 – 12:00 **Public comment period**

12:00 **Review of day and session – end day two**

HSRP PUBLIC MEETING DAY 2 ADJOURNS

Thursday, April 20 – Day Three

Morning **HSRP PUBLIC MEETING CONVENES**

- 8:30** Public meeting convenes
- 8:30 – 8:45** Overview and discussion of day two
- 8:45 – 11:45** Technology Working Group session and presenters
- Ed Saade and Lindsay Gee, HSRP Technology Working Group
- Dr. Larry Mayer and Capt. Andy Armstrong (NOAA, ret.), co-directors, NOAA/University of New Hampshire Joint Hydrographic Center, Center for Coastal and Ocean Mapping
"Visualization R&D at the Joint Hydrographic Center/Center for Coastal and Ocean Mapping"
 - Marten Hogeweg, senior project manager, Esri Inc.
"Data as the 5th Modality for 21st Century Ports"
 - Carol Lockhart, president, Geomatics Data Solutions, LLC
"An Introduction to Bathymetric Lidar: Sensors, Capabilities and Limitations"
 - Review of Technology Working Group and discussion
- 10:30 – 10:45** Break
- 11:45 – 12:00** Public comment period
- 12:00 – 1:30** Public meeting lunch break – lunch on your own
(HSRP members working lunch)

Afternoon **HSRP PUBLIC MEETING RECONVENES**

- 1:30 – 3:30** Discussion
- Discussion and recap on Tech Working Group session
 - HSRP Planning and Engagement Working Group: four issue papers, comments to: National Charting Plan; External Source Data policy – draft; Autonomous Systems Roadmap – draft; next meetings
- 2:30 – 2:45** Break
- 2:45 – 4:45** HSRP member discussion, continued
- 4:45 – 5:00** Review of day and meeting, actions, closing remarks, end of meeting

HSRP PUBLIC MEETING CONCLUDES