

November 2005

Summary Record
Hydrographic Services Review Panel (HSRP)
August 18-19, 2005
Durham, NH

Introduction – Thursday, August 18, 2005

On the call of the Designated Federal Official (DFO), Captain Roger L. Parsons, NOAA, and after public notice in the Federal Register (Volume 70, No. 142, Page 43127, dated July 26, 2005), the Hydrographic Services Review Panel (HSRP) meeting was convened on August 18, 2005, at The New England Center, 15 Strafford Avenue, Durham, NH 03824. All voting members attended with the exception of Captain McGovern and Mr. Gray. The following report summarizes the deliberations of that meeting. Documents available to and or prepared by the HSRP are available for public inspection via the web at <http://nauticalcharts.noaa.gov/ocs/hsrp/archive/library.htm> and copies can be requested by writing to the Director, Office of Coast Survey (OCS), 1315 East West Highway, SSMC3, N/CS, Silver Spring, MD 20910. A list of the HSRP members and other attendees is provided in Appendix 1.

HSRP Chair, Mr. Scott Rainey, called the meeting to order at 0815 and requested Panel members introduce themselves for roll call purposes and also requested that the general public introduce themselves.

Welcoming Remarks

Captain Armstrong, NOAA (Ret.), Co-Director, NOAA/University of New Hampshire Joint Hydrographic Center, welcomed everyone on behalf of the Center and briefly discussed the tour and briefing that would take place the following day.

HSRP Mission Overview

Captain Roger Parsons, DFO, provided a brief overview of the history, make-up, missions, purpose and goals of the HSRP Federal Advisory Committee.

NOAA Hydrographic Services Program Updates

Captain Parsons, Director, (OCS); Mike Szabados, Director, Center for Operational Oceanographic Products and Services (CO-OPS); and, Charlie Challstrom, Director, National Geodetic Survey (NGS) updated the Panel on organizational, budgetary and technical advancements in their respective offices. To view their presentations, please visit <http://nauticalcharts.noaa.gov/ocs/hsrp/archive/library.htm>.

Administrative Business – (Old and New)

Mr. Rainey reviewed and the Panel approved the March 31-April 1, 2005, Meeting Summary from San Diego, CA. Mr. Rainey and Admiral West discussed their recent briefing of Admiral Conrad C. Lautenbacher, Jr., USN (Ret.), Under Secretary of Commerce for Oceans and Atmosphere, and Captain Parsons provided HSRP Charter and upcoming HSRP vacancy appointment status. Mr. Rainey discussed taskings and deliverables within the HSRP Workgroups, protocol standards for recommendations, the GSA FACA database, and suggested that the Panel compose a brief report following future HSRP meetings.

Introduction to Government and Private Sector Perspectives on Mapping and Charting Contracting Policy and Hydrographic Services Core Capabilities

NOAA's National Ocean Service representative, Mr. Glenn Boledovich, and Management Association of Private Photogrammetric Surveys (MAPPS) representatives Messrs. John Palatiello and Kurt Allen each offered their perspective on current mapping and charting contracting policies to assist Panel member in their formulation of advice and recommendations on NOAA's contracting policies. Panel members were permitted time to question, comment and deliberate on each viewpoint to better understand existing and future contracting trends.

Update on NOAA Electronic Navigational Chart (ENC) Security Policy (Ms. Julia Powell, OCS)

Ms. Powell provided a follow-up to discussions that occurred during a public comment period in the HSRP meeting on March 31-April 1, 2005, San Diego, CA, and provided further information on the OCS encryption policy. Ms. Powell discussed her work on a single, vector database for both raster Electronic Navigational Charts (ENCs) and S-63 data protection standards. Ms. Powell and Panel members discussed update patch authentication, application safeguards and customer support.

International Organization for Standardization (ISO) 19379 Standard (Ms. Julia Powell, OCS)

Ms. Powell addressed an additional public comment from the San Diego HSRP meeting regarding private chartmakers' data certification compliance with the ISO 19379 Standard and federal carriage regulations. This Standard applies to Electronic Chart System (ECS) databases; applies to data content, quality, updating and testing; and, defines the minimum acceptable requirements for electronic chart data. She discussed the basis for NOAA's nonsupport of this certification Standard and suggested available alternatives for private chartmakers to offer official, weekly-updated, original source-compiled, chart

carriage compliant data to their customers. She and the Panel also discussed quality assurance issues and calendar year 2007 chart carriage requirements. To view Ms. Powell's presentation, please visit <http://nauticalcharts.noaa.gov/ocs/hsrp/archive/library.htm>.

Workgroup 2 Report: System for Obtaining Marine Community Input for Navigation Safety Information (Presented by Mr. Rainey)

Mr. Rainey reported Workgroups 1 and 2 were assigned to address "NOAA Hydrographic Services Requirements" and that Mr. Gray had provided a draft, suggested approach to provide advice on developing an ongoing system for obtaining marine community input on which navigational safety information they need most from both NOAA and other federal government providers. NOAA provided a catalog of hydrographic services that would help the Panel address whether NOAA's current suite of hydrographic products and services are adequate to meet existing user requirements and what products and services may be required to meet future hydrographic services requirements. Mr. Rainey pointed out: the new, cabinet level Committee on the Marine Transportation System (CMTS) would be focused on similar issues; NOAA's numerous strategic planning sessions and roundtable results should be analyzed and publicly distributed before future, additional sessions are planned; and that this task is an ongoing process and further deliberations will follow.

Topographic LIDAR Technologies (Mr. John Oswald)

Mr. Oswald provided an overview of bathymetric Light Detection and Ranging (LIDAR) and he and the Panel discussed pros and cons of additional uses of this technology. The Panel also mentioned that they would welcome the opportunity to provide NOAA advice, recommendations and input on NGS' "Draft Concept of Operations for Remote Sensing." Mr. Challstrom said that the document was in the final stages of completion but could be shared with the Panel.

Hydrographic Survey Cost Analysis- Workgroup 2 (Dr. Lewis Lapine)

Dr. Lapine summarized Workgroup deliberations on the draft, NOAA Marine and Aviation Operations (NMAO) Statement of Work, Task 3 (Cost Analysis for Hydrographic Surveys) of its "Data Collection Analysis of Alternatives," a study contracted to the Center for Naval Analysis Corporation (CNAC). Dr. Lapine and the Panel discussed the original KPMG Study and enumerated several cost factors that affect the relation between NOAAs' and contractors' costs. Cost metrics, additional cost factors, survey types and areas and accounting methods and practices were the focus. Additional discussions took place the following day.

Public Comments

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Mr. Ed Saade, Fugro Pelagus, Inc.

Mr. Saade commented on data collection costs and the benefits of NOAA contracting standards and he and the Panel discussed core capabilities and cost comparisons, advancements in technology and research and development.

Friday, August 19, 2005

Tour of the University of New Hampshire (UNH), Center for Coastal and Ocean Mapping (CCOM), Joint Hydrographic Center (JHC)

The JHC is a cooperative partnership in hydrography and ocean mapping between NOAA's National Ocean Service and the UNH. The CCOM, a recently established program at the UNH, expands the scope of ocean mapping interaction and collaboration with the private sector, other government agencies and universities. The CCOM and the JHC focus on educating hydrographers and ocean mapping scientists and researching, developing and evaluating programs on a wide range of state-of-the-art hydrographic and ocean mapping technologies and applications. The Panel was briefed on emerging technologies for: multibeam hydrographic survey data collection and processing; Combined Uncertainty Bathymetric Estimator (CUBE); the United Nations Convention on the Law of the Sea, Article 76, potential coastal state jurisdiction claims; new applications for seafloor mapping; data visualization and management; and, "Charts of the Future." To view the presentation provided, please visit: <http://nauticalcharts.noaa.gov/ocs/h srp/archive/library.htm>."

Integrated Ocean Observing System (IOOS) Presentation – (Mr. Tom Skinner, Chair, Workgroup 1)

Mr. Skinner introduced several colleagues and they, along with Mike Szabados, discussed navigation services within the IOOS. Mr. Skinner suggested the Panel provide IOOS educational information and essentially, test the IOOS integration process. Panel IOOS discussions included: Regional Associations, relevant IOOS legislation and Plan reviews, NOAA's lead IOOS Agency designation, Dr. Marie Colton's designation as the lead NOAA contact, the White House level interagency group focusing on IOOS-related issues, integration of real-time observations, multiple uses of IOOS data, funding issues and liabilities.

NOS Mapping and Charting Contracting Policy and Expansion Strategy and Core Capabilities (Mr. Scott Rainey)

Mr. Rainey presented a draft set of recommendations addressing NOAA's mapping and contracting strategies and core capabilities. The Panel deliberated on acquiring and disseminating hydrographic data; defining and maintaining NOAA's core mission; operating expertise and inherent capability; successful blending of in-house NOAA core capability and contractor services; strategic planning; training and contract management capability; acquiring and maintaining

hardware and software; and, research and development. Panel discussions also included the distributed white paper entitled “NOAA Hydrographic Services Core Capabilities,” dated May 13, 2005; the Mitretech Study on data collection costs analysis; survey backlog; NOAA capital and operational capability; and, Brooks Act contracting. Mr. Rainey requested a general consensus from the Panel on the adequacy of the base, draft recommendations document (with a few minor word changes) and requested the Panel offer comments within the next two weeks. He stated that the Panel would reconvene, via a public conference call, and vote on final recommendations before the end of September 2005.

Hydrographic Survey Cost Analysis (Mr. Jon Dasler)

Mr. Dasler presented a draft set of recommendations from Workgroup collaboration. The deliberations included in-house and contracting costs, actual and estimated costs, comprehensive and similar project costs, survey technology, anomalous conditions, cost metrics and accounting methodologies, NOAA fleet modernization, OMB Circular A-76 and NOAA decision-making tools. The Panel’s formal advice and recommendations would be voted on, via public conference call, before the end of September 2005.

Hydrographic Services Improvement Act (HSIA) (Ms. Helen Brohl)

Ms. Brohl provided an overview of the HSIA. She mentioned that the HSIA Amendment is not on the radar screens within Congress, however, there is some Congressional concern with survey backlog; any HSRP language amendment recommendations should be kept simple; and, a review of NOAA’s input to the H.R. 958 Amendment might prove useful when the HSRP drafts recommended language changes.

Closing Remarks

Mr. Rainey discussed the next meeting plans and administrative web-site issues and adjourned the meeting at 1600.

(To view or download the verbatim meeting transcript, please visit:
www.nauticalcharts.noaa.gov/ocs/hsrp/archive/minutes/noaahsrpv18_18_05.rtf
or
www.nauticalcharts.noaa.gov/ocs/hsrp/archive/minutes/noaahsrpv28_19_05.rtf)

Appendix I Attendees

Voting HSRP Members

Helen Brohl, HSRP Vice Chair	Executive Director, Great Lakes Shipping Association and Vice Chair, HSRP
Jon Dasler	Director of Hydrographic Services, David Evans and Associates, Inc.
Elaine L. Dickinson	Boat Owners Association of the United States (BoatU.S.)
Captain Sherri Hickman	Houston Pilots Association
Dr. Lewis Lapine	Chief, South Carolina Geodetic Survey
Rear Admiral Richard Larrabee, USCG (Ret.)	Director, Port Commerce Department, The Port Authority of New York and New Jersey
Adam McBride	Port Director, Lake Charles and Terminal District
Captain Minas Myrtidis	Norwegian Cruise Line
John Oswald	President, John Oswald and Associates, LLC
Scott Rainey, HSRP Chair	Deputy Director, American Pilots' Association
Tom Skinner	Senior Project Manager, Durand & Anastas Environmental Strategies, Inc.
Rear Admiral Richard West, USN (Ret.)	President and CEO, Consortium for Oceanographic Research and Education (CORE)
Larry Whiting	Hydrographer, Terra Surveys LLC

Non-voting Members

Captain Andrew Armstrong, NOAA (Ret.)	Co-Director, NOAA/UNH Joint Hydrographic Center
Charlie Challstrom	Director, National Geodetic Survey
Michael Szabados	Director, Center for Operational Oceanographic Products and Services

Designated Federal Officer

Captain Roger L. Parsons, NOAA	Director, Office of Coast Survey
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Presenter/Speaker

Captain Andrew Armstrong,	Co-Director, NOAA/UNH Joint Hydrographic Center
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NOAA (Ret.)	
Kurt Allen	President, Management Association of Private Photogrammetric Surveys (MAPPS)
John Palatiello	Executive Director, MAPPS
Glenn Boledovich	NOAA/NOS Policy, Planning and Analysis Division
Julia Powell	Technical Advisor, Marine Chart Division, Office of Coast Survey

Staff

Sonja Bowen	National Geodetic Survey
Monica Cisternelli	Center for Operational Oceanographic Products and Services
Barbara Hess	Office of Coast Survey

Others/Public

Karl Wm. Kieninger	Maritime Association, Port of NY/NJ
Tom Neumann	Terra Surveys, LLC
Paul Fielding	United Kingdom Hydrographic Office
Ed Saade	Fugro Pelagos, Inc.
Darren Stephenson	Tenix LADS Corporation
Lindsay Gee	Interactive Visualization Systems – 3D
C. Brian Greenawalt	NOAA, Office of Coast Survey
Jerry Mills	NOAA, Office of Coast Survey
George Reynolds	Ocean Surveys
Betsy Nicholson	NOAA Coastal Services Center
Janet Campbell	University of New Hampshire