



**International Hydrographic Organization (IHO)
United States-Canada Hydrographic Commission (USCHC) 40th Meeting**

MEETING MINUTES
MARCH 20, 2017

Moody Gardens Hotel
Room: Iris/Tulip
Seven Hope Boulevard
Galveston, TX 77554

Agenda #	Agenda Topic	Notes	Action
1	Introductions and Welcome	Welcome and introductions completed. See DOCUMENT NUMBER USCHC40-1 ¹	
2	Approval of the Agenda	Agenda approved. See DOCUMENT NUMBER USCHC40-2	
3	Organizational and Personnel Update/National Reports	See national reports	
4	Review of Past Actions	Completed. See DOCUMENT NUMBER USCHC40-04A and USCHC40-04B	USCHC40-Action 01: CAC to address the status and next steps incorporating French INT Chart into Region A S-11 inventory. (J. Nyberg and L. Tardif) USCHC40-Action 02: Review draft USCHC statutes; ensure they are addressing the existence of the CAC (including paper, vector and transboundary). Ensure Statutes meet requirements of the new IHO protocol. Review Statutes for consistency with and any needed revisions to NOAA-CHS MOA with the objective to be signed at the IHO Assembly 1 in April. (Shep Smith and Denis Hains) USCHC40-Action 03: Prepare resigning of NOAA-CHS MOA at USCHC41. Review USCHC background language for IHO USCHC website. (J. Justi and D. Brunt) ²
5	IRCC and IHO Reporting Coordination timeline		USCHC40-Action 04: Produce consolidated IHO WG membership table of US and CA representatives. (V. Miller)
6	Charting	Participants noted: *chart scales are based on radar scales. Separating that basis may allow more readily scalable charts and products. Work with NCWG. Build data centric products. Look at source data in a more automated way. *Can we break the link between paper and ENC's?	USCHC40-Action 05: CAC to investigate chart scaling issue (IHO scales are based on radar scales) and opportunities to promote new chart scale approaches internationally. (J. Nyberg and L. Tardif) USCHC40-Action 06: Canada to provide comments on the US

¹ Meeting website: http://iho.int/mtg_docs/rhc/USCHC/USCHC40/USCHC40_Docs.htm

² Note- the Statutes and the MOA are different documents and need to be reviewed for consistency. The MOA may be set to "expire" in 2018.



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		<p>*consider how charts are used in court system.</p> <p>*Consider linkages of the above to the work and agenda of S-4 and HSSC.</p> <p>*US and CA should develop and ensure compatible ENC schemes.</p>	<p>Nautical Chart Plan to Colby Harmon (NOAA) by June 1, 2017. Consider continental consistency. (D. Hains, D. Brunt, and C. Harmon)</p> <p>USCHC40-Action 07: US and CA to review HSSC papers related to charting and discuss in conference call 60 days before HSSC meeting. (J. Nyberg and L. Tardif)</p> <p>USCHC40-Action 08: CAC to consider merits and prospects of a “USCHC charting plan”, (or a “Region A charting plan”). Evaluate prospects for compatible ENC schemes. Report with recommendations to USCHC-41. (J. Nyberg and L. Tardif)</p> <p>Overall POCs: Doug Brunt (CA) and Colby Harmon (US)</p>
7	Data Acquisition		<p>USCHC40-Action 09: Canada to review and provide feedback on NOAA’s External Source Data paper (Doug Brunt, Serge Gosselin and Denis Hains)</p>
8	(continued)	<p>CA reported its plans to develop high level snapshot reports of data collection in 22 ports using a dashboard of 5 elements.</p>	<p>USCHC40-Action 10: CA to report on their project dashboard “<i>Modern Hydrography for Charting in Key Areas.</i>” NOAA to set up a one hour USCHC Extraordinary during the IHO Assembly meeting. Agenda to include dashboard presentation and signing of USCHC statues. Seek attendance of President in signing ceremony.</p> <p>USCHC40-Action 11: US and CA to progress IHO adoption of S-111 as soon as possible in calendar year 2017 as a high priority.</p>
9	Technical Presentation	<p>Participants discussed efforts related to tide and water levels and associated data standards.</p> <p>Participants discussed the implementation center in Quebec and interests to collaborate with CIQ, a US company. How can development be accelerated? How to align all data layers together in ENCs? Need to avoid data indexing. More technical experts working on this effort is important.</p> <p>FR expressed its interest in the display and provision of information on surface currents. FR is currently providing dynamic information on their websites. What is the role of S-111 accommodating different layers for various applications- navigation, oil spill, tidal energy, etc..? What scale for modeling-local, regional, national?</p>	<p>USCHC40-Action 12: Concerning MSDI and/or surface current interests, evaluate prospects for a collaborative effort in a transboundary area, such as the Beaufort Sea area</p> <p>USCHC40-Action 13: A Webinar to be held jointly by US and CA the week after the next IHO TCWLWG meeting in Vancouver (May 2017) to present S-111 to industry to seek early tester of the new S-111. This may also support S-111 agenda item at the HSSC meeting in November 2017. (Louis Maltais and US to prepare the Webinar to be co-presented by Shep Smith and Denis Hains).</p> <p>USCHC40-Action 14: Convene a brown bag(s) discussion on such topics as MSDI and autonomous</p>



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			surface vehicles testing experiences. (Captain EJ Vandemeele and S. Gosselin; invite Charles Baptiste of NAVO-FST, J. Lowell and C. Hemmingway)
10	IHO Assembly Preparations and Confirmation of US-Canada representation in other IHO bodies	<p>Participants briefly reviewed the submitted proposals to the Assembly and exchanged views.</p> <p>Of note, USCHC participants fully endorse PRO 7 to the First Assembly (“NATIONAL HYDROGRAPHIC OFFICE IMPLICATIONS REGARDING THE UNITED NATIONS COMMITTEE OF EXPERTS ON GLOBAL GEOSPATIAL INFORMATION MANAGEMENT (UN-GGIM) SHARED GUIDING PRINCIPLES FOR GEOSPATIAL INFORMATION MANAGEMENT”) regarding the incorporation of these principles in the work of the IHO, support of open data where feasible, and promotion of international cooperation and harmonization of geospatial data and services, as described more fully in the Proposal.</p> <p>CA and US also expressed full support of the Seabed 2030 initiative to improve the resolution of the global grid.</p> <p>CA introduced the Canadian Ocean Mapping Research & Education Network (COMREN).</p>	<p>USCHC40-Action 15: US and CA to continue dialogue preparing for IHO First Assembly. (S. Smith, D. Hains)</p> <p>USCHC40-Action 16: Captain Brian Conon will represent the USCHC at the CBSC. CA to provide necessary information with respect to the newly formed Canadian Ocean Mapping Research and Education Network (COMREN) to Captain Conon recognizing its in-kind capacity building resources to be reported to the CBSC.</p>
11	Extra Commission Briefs and Observers	<p>US and CA noted the SHOM Report.</p> <p>CA informed that they will initiate short 3 month assignments in France to reciprocate with the practice SHOM had with Canada. This will take place with 2 first assignments in 2017-18.</p>	
12	Signing of USCHC Statutes (tentative)	Postponed pending further review based on discussions above.	
13	Confirmation of USCHC41	CA to organize USCHC41 March 18, 2018 in Victoria, British Columbia, Canada	
14	Closing Remarks and Meeting Closing	Completed	