

ACTIONS Status Review for ARHC-11

Includes list of actions from ARHC-10 and IRCC-13

C-5 actions: The only action where RHC was ‘bolded’ (denoting ‘action for’) in the draft actions from Council-5 was actually an IRCC action (from IRCC report): The Council, acknowledging the need for further recommendations on the realization of the Strategic Plan in **RHCs** by Member States, invited the IRCC to provide this guidance to the RHCs as a matter of priority.

ACTIONS TABLE ARHC-10 August 13-14, 2020 (Virtual/VTC)

Initial draft for review updated as of November 3, 2021

Action #	Agenda Item	Actions	Responsible	Deadline	Status
ARHC 10-01	A.4	ARHC Chair to pursue follow-up Statutes VTC of the five members and the IHO Secretariat as soon as practical and take appropriate subsequent steps	ARHC Chair	Oct 15, 2020	To be presented ARHC-11 Agenda Item E1.
ARHC 10-02	A.4	U.S. and and CA to lead drafting team of ARHC to develop: a) a history summary for the IHO ARHC website (https://iho.int/en/arctic-rhc) b) an ARHC relevant events calendar	US/CA	Dec 15, 2020	a) Drafted ¹ Action : Chair to circulate draft for comment. b) ongoing

¹ BRIEF History

Following initial discussions in the margins of the 1st meeting of the InterRegional Coordination Committee meeting of the IHO in June 2009 in Monaco, the Arctic Regional Hydrographic Commission was established on October 05, 2010 with an area delineated by INT Chart Region N. The first meeting was held in Ottawa, CA. The ARHC is the most recently established hydrographic commission supporting the mission of the International Hydrographic Organization (IHO) and its Resolutions for navigation safety and collaboration. IHO member states with charting responsibilities in the Arctic are Canada, Denmark, Norway, Russian Federation, and the United States. Members of the Arctic Council are afforded associate membership at their request. Working Groups established include those for charting (AICCWG), operations and technology considerations (OTWG), and Marine Spatial Data (ARMSDIWG). After its initial scoping work, the Strategic Planning Working group became dormant, but with the advent of the IHO Strategic Plan and certain global priorities in the Arctic (including the existence of the Arctic Council, Seabed 2030, the U.N. Ocean Science Decade, and others), as of 2021, new attention is being placed to the contributions of the ARHC to improved hydrographic awareness, nautical charting and marine environmental protection in the Arctic.

ARHC 10-03	B	Explore, draft, vet, and take appropriate steps to develop an “ARHC Year in Review” report similar to ARHC_VTC01_2020_02F Rev[1]	US	Nov 1, 2020	Not complete
ARHC 10-04	B.1	Follow-up on IHO Recommendations: Prospective IHO Council members from ARHC to consider if and how issues of the Arctic Region of interest for the IHO may be included into the Council programme of work <i>Other recommendations from IHO Secretary General incorporated within actions below as developed during the meeting to avoid redundancy.</i>	All	As soon as possible prior to meetings of the Council	ongoing
ARHC 10-05	B.2	Update the Arctic Navigation Risk summary bulletin developed previously in 2017 ² with relation to the Polar Code.[2] Consider visualization of risk in communicating dangers	CA	ARHC-11	Suggestion: connect to risk summary update in 2022 (below)
ARHC 10-06	B.4	NO to organize follow up meeting and correspondence with interested hydrographic offices on innovations regarding Sailing Directions as discussed during ARHC-10	NO	ARHC-11	ongoing
ARHC 10-07	F.1	Follow-up on OTWG: a) Call for data for CATZOC for updated assessment of survey adequacy for 2023 update (call in late 2021/early 2022) b) Explore improved methodology for assessing survey adequacy update for 2023 c) Consider external databases as contributors such as ASTDB d) Inventory and assess V-datum tools available and next steps in the Arctic	OTWG Chair	ARHC-11	ARHC11 Agenda Item C1
ARHC 10-08	F.2	Follow-up on AICCWG: a) Based on national hydrographer guidance, pursue regional ENC chart scheme for Band 1 and 2 for the region in the near term[3] b) Follow up on discussions regarding Northwest passage routing and	a) AICCWG b) US and CA	a) ARHC-11 b) ARHC-11	ARHC11 Agenda Item C2 ongoing

² <https://iho.int/uploads/user/Inter-Regional%20Coordination/RHC/ARHC/MISC/Notice%20on%20caution%20required%20when%20using%20nautical%20charts%20in%20Arctic%20waters3.pdf>

		routing measures			
ARHC 10-09	F.3	Follow-up on ARMSDIWIG: a) Proceed as proposed, presented and discussed during ARHC-10, including follow-up on the ARHC-SDI statement b) Review IGIF water theme with regard to the Arctic c) Include IGIF and UNGGIM in the ARHC-11 agenda	ARMSDIWIG	ARHC-11	a) To be discussed under ARHC11 Agenda Item C3. IGIF items to be discussed under ARHC11 Agenda Item D3
ARHC 10-10	F.4	Follow-up on SPWG: Explore a draft ARHC strategic plan and/or implementation plan for the ARHC covering the period 2021-2030 and including an indigenous (and local) communities element	SPWG[4]	ARHC-11	SPWG has been inactive since ARHC4. To be discussed under ARHC11 Agenda Item D4.
ARHC 10-11	G.1	Post Arctic Science Forum Summary and documents to ARHC-10 website	US	Sept 10, 2020	COMPLETED https://iho.int/en/arhc10-2020
ARHC 10-12	H.1	Follow-up on Arctic Council: a) ARHC-PAME MOU Correspondence to PAME II (2020) b) Correspond with Arctic Council EPPR from discussions and interests expressed during ARHC-10	ARHC Chair	a) Sept 7, 2020 b) March 2021	Ongoing. i) Attending ASBPIF. ii) Statement developed and endorsed by Arctic Council. iii) projects identified for 2022 (see ARHC11-INF1)
ARHC 10-13	H.4	Seabed 2030 & CSB: a) With adoption of the IBCAO as a basis for assessing progress, continue to support Seabed 2030 project in the Arctic, including utilization of progress measures for the decade[5] b) Hydrographic offices of the ARHC examine their national positions with regard to IHO CL/ 21 “IHO Crowdsourced Bathymetry (CSB) Data for Public Domain” Respond to IHO Secretariat by Sept 4 as appropriate.	SB 2030/CSB Coordinator for ARHC (Evert Flier)	Ongoing	To be discussed under ARHC11 Agenda Item C4.

		c) Inform SB 2030/CSB Coordinator for ARHC of any developments			
ARHC 10-14	I.1	Monitor UN Decade and take appropriate actions	ARHC Chair	Ongoing	Ongoing ³
ARHC 10-15	I.2	Follow-up on Arctic Science Ministerial: a) US to share ASM proposal template b) Explore ARHC interests by correspondence in regards to a multilateral proposal to the 3rd ASM (Tokyo, Japan, May 2021)	US	a) Sept 4, 2020 b) Feb 2021	Completed ⁴

REMINDERS:

- All participants to review actions tables presented during meeting and provide any revisions or updates to Jonathan.Justi@noaa.gov and Alexis.Maxwell@noaa.gov by September 4, 2020 (Friday). This includes both the review of actions during ARHC-10 agenda item A.4 and new actions agenda item J.
- Interested member states to continue discussion on new Sailing Directions publications, updates, maintenance. Correspond with NIPWG representatives. Consider summary read out at ARHC-11 (Lead: NO)
- Follow-up on Basis/provisional/preliminary ENC discussion following the meeting (DK, CA, and interested parties). DK interim online meeting. Consider summary read out at ARHC-11. (LEAD: DK)
- Assess if desirable and call a meeting if helpful mid-year. Interim report out of progress to-date May/June 2021 in anticipation of ARHC-11. Include status summary of actions taken to-date and any reminders in preparation to ARHC-11. (ARHC Chair)
- Follow up on model of working with local communities, communications interdisciplinary, partnerships, (Chris Marshall and Amy Holman)
- Make indigenous communities and community collaboration a part of the ARHC agenda going forward

[1] https://iho.int/uploads/user/Inter-Regional%20Coordination/RHC/ARHC/ARHC_Teleconference_29April2020/2F_Formatted%20Arctic%20Year%20in%20Review_2019_rev.pdf

[2] <https://iho.int/uploads/user/Inter-Regional%20Coordination/RHC/ARHC/MISC/Notice%20on%20caution%20required%20when%20using%20nautical%20charts%20in%20Arctic%20waters3.pdf>

³ List of links for reference: UN Decade website: <https://www.oceandecade.org/>

Full list of endorsed actions: <https://www.oceandecade.org/decade-actions/>

The Nippon Foundation-GEBCO Seabed 2030 Project (Seabed 2030 endorsed program): <https://www.oceandecade.org/actions/the-nippon-foundation-gebco-seabed-2030-project/>

Promote Seabed 2030 and Ocean Mapping (NOAA OCS endorsed contribution): <https://www.oceandecade.org/actions/promote-seabed-2030-and-ocean-mapping/>

Additionally, there is an open call for activities at any point throughout the Decade and that the second call for [official actions](#) is upcoming

⁴ [Joint Statement of Ministers](#)

[3] NOTE: IHO Recommendation: “ARHC to consider establishing an ENC Scheme for Region N and a transition plan for S-101 ENCs. As a test case, ARHC to consider the possibility of experimenting the provision of coordinated S-100 based products services covering Region N (what products?, who?, where?, when?) in accordance with WEND100 Principles”

[4] Since the conclusion of ARHC-10, CA confirmed Mr. Doug Brunt will assume leadership of this effort.

[5] NOTE: IHO Recommendation: “ARHC members are invited to: (a) identify further potential sources of bathymetric measurements and survey data providers to be facilitate the further completion of the DCDB data holdings [and... (b)] to consider the future invitation of Seabed 2030 project representatives to ARHC meetings to discuss options for deepened cooperation and support”

[6] Reminders are items that are not full actions, but should be kept in mind following the meeting

List of Actions, Decisions and Recommendations from IRCC13 for RHCs June 23-25, 2021 (Virtual/VTC)

Actions	ARHC Status
IRCC13 Action 6: RHCs and WGs to include the measurement of the SPI attributed by IRCC in their annual Work Plans (Permanent).	To be discussed under ARHC-11 Agenda Item D1
Recommendations	ARHC Status
IRCC13 Recommendation 2: RHCs to recommend Member States to Note the information on ECDIS anomalies and support the implementation of the recommendations given by the ENCWG.	Complete. MS informed. <i>See: ARHC11-A4c Recommendations from IRCC13</i> <i>See IHO CL 40 2021 “Possible ECDIS Display Anomalies after ENC Update Procedure”⁵</i>
IRCC13 Recommendation 3: RHC and MS to advise the IHO Secretariat of any update/change to their position in relation with the CSB questionnaire (IHO CL 21/2020) ⁶	Complete. MS informed. <i>See: ARHC11-A4c Recommendations from IRCC13</i>
IRCC13 Recommendation 4: RHC to identify regional coordinators to act as a point of contact for CSB/Seabed 2030 and to raise the profile of data gather and provision within their respective Region.	Complete. Evert Flier (NO) is ARHC regional coordinator for CSB & SB2030

⁵ https://iho.int/uploads/user/circular_letters/eng_2021/CL40_2021_EN_v1.pdf

⁶ https://iho.int/uploads/user/circular_letters/eng_2020/CL21_2020_EN_v1.pdf

IRCC13 Recommendation 5: RHC to encourage MS to participate in the Empowering Women in Hydrography project.	Complete. MS informed. See: <i>ARHC11-A4c Recommendations from IRCC13</i> See: <i>CL 35 2021⁷, NOAA OCS letter supporting the project⁸</i>
IRCC13 Recommendation 6. RHC to encourage MS to submit Articles and Notes for publication in the IHR.	Complete. MS informed. See: <i>ARHC11-A4c Recommendations from IRCC13</i>
IRCC13 Recommendation 7. RHCs to consider extend the role of Charting Regional Coordinators for the implementation of the S-100 Implementation Roadmap.	To be discussed under ARHC11 Agenda Item D4 ARHC WG TOR.
IRCC13 Recommendation 8. RHCs to try to plan at least one face-to-face meeting between the 2nd and the 3rd Session of the IHO Assembly.	Planned ARHC-12 (Sept 13-15, 2022) in St. John's, Newfoundland and Labrador, Canada (CA)
IRCC13 Recommendation 9. RHCs to coordinate the efforts on the implementation of S-100 and promote the cooperation and exchange of experiences.	To be discussed under ARHC11 Agenda Item D4 ARHC WG TOR.
IRCC13 Recommendation 10: RHCs to apply Resolution 1/2005 in case of disasters occurred to support the affected States in their regions.	To be discussed under ARHC11 Agenda Item D4 ARHC WG TOR.
IRCC13 Recommendation 11: RHCs to invite relevant Member States to report to the IMO Secretariat and the Chair of the EGC Coordinating Panel on the progress and status of implementation of newly recognized mobile satellite services by MSI providers.	Complete. MS informed. See: <i>ARHC11-A4c Recommendations from IRCC13</i>
IRCC13 Recommendation 14: RHCs to encourage all Member States to actively contribute with new data to GEBCO and to discuss how MS can share existing data.	Ongoing And further addressed in context of ARHC-11 Agenda Item C4
IRCC13 Recommendation 15: Encourage RHCs and relevant Bodies to contribute to the recommendations provided by Shell to increase the cooperation between HO's and Natural source Regulators and reduce permitting requirements	Ongoing And further addressed in context of

⁷ https://iho.int/uploads/user/circular_letters/eng_2021/CL35_2021_EN_v1.pdf

https://iho.int/uploads/user/circular_letters/eng_2021/CL20_EN_2021_v1.pdf

⁸ https://iho.int/uploads/user/Inter-Regional%20Coordination/IRCC/IRCC12/IRCC12-06D.2_2020_NOAA_Support_EWH.pdf

for transits through countries EEZ's.

ARHC-11 Agenda Item C4