

**14th MEETING OF THE IHO INTER-REGIONAL COORDINATION COMMITTEE
IHO-IRCC14
Hybrid - Bali (TBC), Indonesia, 6-8 June 2022**

List of Actions, Decisions and Recommendations

1. Opening Remarks and Administrative Arrangements

XXX

2. Approval of Agenda

Decision 1: Approve the Agenda of the IRCC14 Meeting (doc. IRCC14-02V3).

3. IRCC Highlights since IRCC12

3.1 IRCC Chair Report

Decision 2: Note the Report of IRCC Chair (doc. IRCC14-03A).

3.2 Matters arising from Minutes of IRCC12

Decision 3: Approve the Minutes of IRCC13 (doc. IRCC14-03B).

Decision 4: Approve the Updated Status of the List of Actions from IRCC13 (doc. IRCC14-03C).

Decision 5: Approve the Updated Status of the IRCC WP 2021-2022 (doc. IRCC14-03D).

4. HSSC Report

Decision 6: Note the HSSC report (doc. IRCC14-04).

Action 1: IRCC invited RHCs and Subordinate bodies to provide comments and inputs on the governance document on Dual Fuel Concept for S-100 ECDIS, intersessionally. (Permanent)

Decision 7: To approve the suggested way forward for the revision of C-13 (Manual on Hydrography):

- PT to submit their work to HSWG,
- Then HSWG to consult IBSC and CBSC and include their input before,
- Then HSWG to submit the final proposed Edition to HSSC for approval.

Recommendation 1: RHC are encouraged to increase the collaboration with the Data Quality WG and to try to find candidates for the vacancy of the Chair and Secretary positions.

5. Report by the Secretariat

Decision 8: Note the IHO Secretariat Report (doc. IRCC14-05).

6. Regional Hydrographic Commissions (RHCs)

Recommendation 2: RHC to discuss how HO's can assume a geo-coordinating role to help ensure provision of data on a regional level.

Decision 9: Note the SWPHC Work Plan 2022-2023.

Decision 10: Note the SWPHC Work Plan activity to develop a regional stakeholder engagement plan to deliver to Goal 3, Target 3.1, SPI 3.1.1.

Recommendation 3: invite SWPHC to investigate possibilities to organize a workshop on environmental emissions from shipping (COP26 outcome) and on Cyber Security to MS and to liaise with the HSSC to provide contents.

Decision 11: Note the continued value and effectiveness of preceding RHC meetings with CB related workshops.

Decision 12: Note the change in the limits of the SWAtHC and MACHC and the request to change adequately the IHO documents that was sent to the IHO secretariat.

Decision 13: Note all reports from agenda item 6 (docs. IRCC14-06.1A, 06.1B, 06.1C, 06.1D, 06.1E, 06.1F, 06.1G, 06.1H, 06.1I, 06.1J, 06.1K, 06.1L, 06.1M, 06.1N , 06.1O)

7. Reports from IRCC Subordinate Bodies

Decision 14: Note the proposal by HCA regarding the recognition of Southern Ocean.

Recommendation 4: RHC to start or proceed with the debate on how the climate change related activities can be further investigated and what can be the role of the IHO.

Recommendation 5: RHC to Encourage 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.

Decision 15: Note that MSI providers, should they implement Iridium SafetyCast services, are compelled to bear the burden of all additional costs, as a consequence of the approval by IMO Member States of the Iridium SafetyCast as an RMSS.

Action 2: IRCC Chair to report to Council 6, the concern of the MSI providers, should they implement Iridium SafetyCast services, are compelled to bear the burden of all additional costs.

Decision 16: IRCC approves the revised CB Strategy.

Action 3: IRCC Chair to report the revised CB Strategy to Council 6 to be endorsed and forwarded to the 3rd Session of the IHO Assembly for adoption.

Decision 17: IRCC invites the IHO Secretariat to issue a CL in liaison with CBSC Chair and IRCC Chair to be informed on the percentage of employees of Hydrographic Offices that are female and the percentage of Women currently in leadership roles.

Decision 18: Note the significant effort from CB Coordinators to assess the needs in the region, to identify national and regional projects that may contribute to the CBWP and to coordinate the support for countries in need.

Decision 19: Note the Survey on HD ENC's and the outcome.

Decision 20: Note the report on S-101 Scheming Guidelines.

Decision 21: Note that the WENDWG was provided an opportunity to comment on the Dual Fuel Governance document.

Decision 22: Note the progress made by KHOA to advance INTToGISII.

- Decision 23: Endorse the draft WEND S-100 Product Matrix as a tool for RHCs to gauge business model maturity for S-100 products.
- Recommendation 6: RHCs to establish an S-100 Coordinator role.
- Recommendation 7: RHCs to apply Action WENDWG12/33 (WEND-100 Product Matrix will be made available on the WENDWG Repository webpage when finalized).
- Decision 24: Approve the proposed Work Programme for the WENDWG for 2022-2023.
- Decision 25: Note the report of the WENDWG on the 'Guidelines on the implementation of the WEND-100 principles'.
- Decision 26: Endorse the first iteration of the 'Guidelines on the implementation of the WEND-100 principles' as version 1.0 whilst recognizing that more depth and nuances can be added in the next iterations of the Guidelines when the experience with the WEND-100 Principles vis-a-vis the S-1XX products grows.
- Decision 27: Approve the Guidelines as an appendix to Annex 3 of the Roadmap for the S-100 Implementation Decade (2021-2030), for endorsement by the Council 6.
- Action 4: IRCC Chair to forward the 'Guidelines on the implementation of the WEND-100 principles' as version 1.0 to the Council for endorsement.
- Action 5: MSDIWG to provide recommendations to IRCC 15 on how IHO MS can use the FAIR principles and establish a HO MSDI FAIR principles check list.
- Action 6: MSDIWG to provide recommendations to IRCC 15 on how MSDI and HOs can be part of Digital Twins in the future.
- Action 7: MSDIWG to revise the IHO publication C-17.
- Decision 28: Take note of the S-100 initiatives from a MSDI perspective.
- Action 8: MSDIWG to investigate in liaison with the IHO Secretariat, having in consideration the possibilities, challenges and resources required, the establishment of a basis MSDI portal solution building on the already existing INToGIS solution and other available data.
- Action 9: MSDIWG to investigate in liaison with the IHO Secretariat the different possibilities, challenges and resources need for step 2 of the MSDI Portal (an IHO marine data hub network) in order to have the information needed to take a decision about implementing step 2 and to present the recommendations at IRCC 15.
- Decision 29: The MSDI draft questionnaire to be forwarded to the IHO Secretariat inviting, if deemed appropriate, to send it out to the IHO MS.
- Decision 30: Acknowledge the work done by the IBSC members despite the difficulties imposed by the hybrid format of IBSC45, to review all 13 submissions received as well as offering intersessional revisions to 10.
- Recommendation 8: RHC to encourage Member States and submitting institutions to engage with the IHO Secretariat early in the process of them preparing submissions for programme recognition.
- Recommendation 9: RHC encourage Member States and submitting institutions to consult the Guidelines, the FAQs and the White Paper (IHR-Nov-2017 – Article: Maintaining the Standards of Competence for Hydrographic

Surveyors and Nautical Cartographers) early in the process of preparing submissions for programme recognition.

Decision 31: Approve the IBSC Proposed Work Plan – Q2 2022 to Q2 2023 (Annex B).

Decision 32: Approve the Revised IBSC Terms of Reference with the increase in the number of Members to 12, with two more Members from the ICA (Annex C).

Decision 33: Endorse Publication B-12 IHO Guidance on Crowdsourced Bathymetry Edition 3.0.0. and invite IHO Secretariat to issue a CL for approval by the MS.

Recommendation 10: RHC to encourage all Member States to respond to IHO CL 21/2020 and, if possible, offer a positive response, even if qualified, to enable provision of CSB data into the public domain collected from ships within waters subject to their national jurisdiction.

Recommendation 11: RHC Chairs to bring the IRCC CL 1/2020 to the attention of all coastal states within their respective RHC, encouraging them to offer a positive response, even if qualified, to enable provision of CSB data into the public domain collected from ships within waters subject to their national jurisdiction.

Recommendation 12: RHC to encourage Member States to release datasets or subsets into the public domain via the IHO DCDB.

Recommendation 13: RHC to encourage Member States to support the CSB initiative with positive actions, such as requiring all research vessels to collect bathymetric data for late uploading, when on passage or when it does not interfere with other research activities.

Decision 34: Endorse the creation of GEBCO Sub-Committee on Education and Training and its associated ToRs and RoPs.

Decision 35: Endorse the creation of the GEBCO Governance Review Project Team and its associated ToRs and RoPs.

Decision 36: Endorse the creation of the GEBCO Strategic Plan Drafting Team and its associated ToRs and RoPs.

Recommendation 14: Encourage RHCs to actively contribute with new data to GEBCO.

Recommendation 15: Encourage RHCs to discuss how nations can share existing data.

Recommendation 16: RHCs to encourage Member State and stakeholder bathymetric data contributions to the DCDB, regardless of origin.

Decision 37: Note all reports from agenda item 7 (docs. IRCC14-07A, 07B, 07C, 07D1, 07D2, 07E, 07F, 07G, 07H, 07I and 07J).

8. Strategic Issues of the IRCC

8.1 Outcomes of the IRCC 2021/22 Seminars

Decision 38: Note the underlying assumption that member states should report on SPIs highlighted here in a consistent manner with commonly understood assumptions, caveats, understanding, and interpretations.

Decision 39: Note the possible need for documentation and IRCC or Secretariat to follow up on clarifications.

Action 10: US to provide examples of SPIs that may need clarification in order to ensure that they are interpreted correctly when being reported on. US to provide examples in time to be included in the IRCC report to C6.

Action 11: IRCC Chair to report on the outcomes and decisions related with the SPI to HSSC for awareness and in support of overall implementation of the IHO SP which necessarily involves all three Programs of the IHO.

Decision 40: Note the paper IRCC14-08B US Paper Proposal - IHO SP and SPI reporting by Member States.

8.2 IRCC SPI's

Decision 41: Endorse the IRCC Chair proposal regarding SPI allocated to IRCC.

Decision 42: Recognize the contributions of IRCC members, IHO Secretariat and MS.

Decision 43: Agree on the proposed way forward regarding SPI allocated to IRCC.

Action 12: IRCC Chair to report at C-6 on the approved way forward regarding SPI allocated to IRCC.

Action 13: WEND WG to provide the template for SPI 1.3.1.

Recommendation 17: RHC to reply to the WEND WG template SPI 1.3.1

Action 14: Ask HSSC Chair to provide the definition of "adequately surveyed area".

Action 15: DCDB to investigate how to report on SPIs 3.2.1 and 3.2.2. in a way that allows the perception on the evolution on the amount of data and number of contributors to DCDB who are not hydrographic offices.

Decision 44: IRCC confirm the tasks allocated on document IRCC14-08C to WWNWS, DCDB and GEBCO GC on the SPI allocated to IRCC.

Decision 45: Invite the IHO Secretariat to take the actions allocated to the Secretariat on document IRCC14-08C, especially to derive figures and overviews according to the proposal as well as sending a CL and the questionnaire to MS.

9. Other information papers

Decision 46: Note the information provided by the MACHC on establishing a Seabed 2030/CSB Coordinator Collaboration Team.

Action 16: CSBWG to investigate the establishment of a Seabed 2030/CSB Coordinator Collaboration Team within the CSBWG and Report to IRCC15.

Action 17: Adam Greenland (lead), Evert Flier, Jens Peter Hartmann, Jennifer Jenks, Pearlyn Pang, France and UK to organize an IRCC workshop on how to engage with international and regional agencies, development partners and coastal states to support knowledge and understanding of hydrography and the value associated with open data policies in respect of marine geospatial information

Decision 47: Agree that the development and implementation of a strategy to engage with international and regional agencies, development partners and coastal states to support knowledge and understanding of hydrography and the value associated with open data policies in respect of marine geospatial information is a challenging and a common issue across RHCs.

Decision 48: Confirm that the lack of knowledge and understanding of hydrography and the value associated with open data policies is a barrier to achieving Goal 2 of the IHO Strategic Plan.

Decision 49: Note the SWPHC Paper on raising awareness of hydrography and open data.

10. Any other business

Decision 50: WWNWS to be included in the CBSC new C-55 PT.

11. Draft Report from IRCC to the C-6

XXX

12. Review the List of Actions, Decisions and Recommendations

XXX

13. IRCC Work Programme Management

Decision 51: To adopt the IRCC work programme 2022-2023.

14. Next IRCC Meetings (Venue and Date)

Decision 52: Hold the next IRCC meetings back to back with CBSC as follows:

IRCC15: 12-14 June 2023 - Tokyo, Japan

IRCC16: May / June 2024 – Ecuador

IRCC17: May / June 2025 – Nigeria

IRCC18: May / June 2026 – Peru

15. Closure

XXX