

**10th MEETING OF THE IHO INTER-REGIONAL COORDINATING COMMITTEE
IHO-IRCC10
India, Goa, 4-6 June 2018**

DRAFT LIST OF ACTIONS

1. Opening Remarks, Introductions and Administrative Arrangements

xxx

2. Approval of Agenda

xxx

3. Matters arising from Minutes of IRCC9 Meeting

Decision 1: to approve the IRCC9 Minutes (doc. *IRCC10-03A*) and the updated List of Actions from IRCC9 (doc. *IRCC10-03B*).

4. Review of Terms of Reference and Rules of Procedure

Decision 2: to endorse the IRCC ToR and RoP (doc. *IRCC10-04*, retaining the "education and training") and task the Chair to submit it to the Council.

Action 1: Chair to submit the IRCC_ToR and RoP to the Council (deadline: C-2).

5. Report by the Chair and the Secretariat

Decision 3: to note the IHO Secretariat report (doc. *IRCC9-05B*).

Recommendation to RHCs:

- to encourage Member States to provide material to the IHO Secretariat for the promotion of the centenary of the IHO (deadline: IRCC11).

6. Regional Hydrographic Commissions (RHCs)

6.1 RHC Reports

a) Nordic Hydrographic Commission (NHC)

xxx

b) North Sea Hydrographic Commission (NSHC)

xxx

c) East Asia Hydrographic Commission (EAHC)

xxx

d) US/Canada Hydrographic Commission (USCHC)

xxx

e) Mediterranean and Black Seas Hydrographic Commission (MBSHC)

xxx

f) Baltic Sea Hydrographic Commission (BSHC)

xxx

g) Eastern Atlantic Hydrographic Commission (EAHC)

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h) South-East Pacific Regional Hydrographic Commission (SEPRHC)

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i) South-West Pacific Hydrographic Commission (SWPHC)

Decision 4: to note the value and effectiveness of preceding SWPHC meetings with CB related workshops.

Decision 5: to note SWPHC's commitment in carrying forward hydrographic, nautical cartographic and capacity building activities in close alignment with IHO objectives and goals.

j) Meso American - Caribbean Sea Hydrographic Commission (MACHC)

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k) Southern Africa and Islands Hydrographic Commission (SAIHC)

xxx

l) North Indian Ocean Hydrographic Commission (NIOHC)

xxx

m) ROPME Sea Area Hydrographic Commission (RSAHC)

xxx

n) South West Atlantic Hydrographic Commission (SWAtHC)

xxx

o) Arctic Regional Hydrographic Commission (ARHC)

xxx

Decision 6: to note all the reports under agenda item 6.1 (docs. *IRCC10-06.1A* to *O*).

6.2 Revision of IHO Resolution 2/1997 *Establishment of RHC*

Decision 7: to endorse the draft IHO Resolution 2/1997 as amended (original with small amendments) and to submit it to the IHO Council (C-2).

Action 2: Chair to submit the IHO Resolution 2/1997 as amended (original with small amendments) to the Council (deadline: C-2).

Decision 8: to refer the draft rewrite IHO Resolution 2/1997 as amended (doc. IRCC10-06.2 as amended by the IRCC10) to RHCs and reconsider the document during IRCC11.

Action 3: RHC Chairs to submit draft IHO Resolution 2/1997 as amended to the RHC Members for comments and report back to IRCC (deadline: October 2018).

Action 4: Chair and IHO Secretariat to compile the inputs from RHC Chairs to the draft IHO Resolution 2/1997 as amended and distribute to IRCC Members (deadline: November 2018).

Action 5: IRCC Members to provide comments to the revised draft IHO Resolution 2/1997 as amended (deadline: January 2019).

Action 6: IHO Secretariat to submit the updated revised draft IHO Resolution 2/1997 as amended to the next IRCC meeting (deadline: IRCC11).

6.3 Enhancing Regional Coordination and Cooperation

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7. Reports from IRCC Subordinate Bodies

a) HCA

xxx

b) WNWWS-SC

Action 7: Spain volunteered to translate the MSI training material developed with resources from the CB Fund from French to Spanish and report back to IRCC (deadline: IRCC1).

Action 8: WNWWS-SC Chair to report the status of MSI in coastal States to the next IRCC

meeting (deadline: IRCC11)

Recommendations to RHCs:

- Request National Coordinators review the contents of the relevant Annexes of the GMDSS Master Plan and IHO Publication C-55 – Status of Hydrographic Surveying and Nautical Charting Worldwide – to ensure consistency for their national entries.
- Encourage the use of the Joint Manual on MSI to ensure correct terminology and formats are used in MSI messages.
- Encourage closer engagement of the National MSI Coordinators of Member States with the relevant NAVAREA Coordinator(s).
- Encourage close liaison between regional CB Coordinators and the Chair WWNWS-SC on programming and candidate selection for MSI training.
- Encourage the attendance of Member States and Observers at WWNWS-SC meetings.

c) CBSC

Decision 9: to endorse the revised CBSC ToR and RoP (doc. *CBSC16-01D*, adding "and review" in paragraph 1 of the ToR).

Action 9: Chair to submit the revised CBSC ToR and RoP (doc. *CBSC16-01D* as amended by Decision 8) as amended by the meeting to the Council (deadline: C-2).

Decision 10: to support the use of CATZOC information as an interim solution as an indicator for survey adequacy and to encourage Member States, via RHCs, to provide CATZOC information for C-55, directly or via RENCs as an interim solution introducing CATZOC information.

Action 10: MSDIWG to develop basic MSDI training material in order to allow RHCs to deliver trainings with their own personnel (deadline: IRCC11).

Action 11: RSAHC Chair to install a permanent CB Coordinator and to ensure the participation in the CBSC meetings and to report back to IRCC (deadline: IRCC11).

Recommendation to RHCs:

- Encourage Member States to engage with their IMO delegations to provide support to the IMO Member States that are not IHO Members to comply with SOLAS Chapter V.
- Encourage Member States to provide CATZOC information for C-55, directly or via RENCs as an interim solution introducing CATZOC information.

d) WENDWG

Recommendations to RHCs:

- Reinforce the fact that the one-year “clock” to resolve overlaps should begin once the overlapping issues have been reported to ENC producers (as stated in paragraph 5 of the new adopted IHO Resolution 1/2018 – IHO CL 19/2018 refers).
- Endorse that the management of overlap cases should be implemented by RHCs.
- Note that RHCs should make their own assessment of the level of navigational risk for ENC overlaps using one of the RENCs' Policy on Risk Assessment as a first step where applicable.

Decision 11: to note with concern that overlapping ENCs create confusion onboard ships and that IHO community should work to eliminate overlapping data; and note that this issue is worthy of further discussion at IRCC11 and C2.

Action 12: Chair to report the concern that overlapping ENC's create confusion onboard ships and that IHO community should work to eliminate overlapping data to the Council to the Council (deadline: C-2).

Decision 12: to commend the RENCs on their high-quality support to hydrographic offices and end-user service providers and for their contribution to Joint-RENC technical meetings to which the EAHC RECC is invited to participate.

Decision 13: to note the WENDWG conviction that all ENC data should be made available to the RENCs not only for ensuring QC in general but also importantly for risk assessment of overlapping ENC's.

Recommendations to RHCs:

- Encourage RHCs to provide updated reports on the implementation of ENC Schemes to the WENDWG in advance of the yearly WG meeting.
- Note the recommendation that RENCs might consider offering an S-57 license management service to support safety of navigation for all classes of vessels.

Decision 14: to approve the proposed updated WENDWG 2018-19 Work Programme as given at Annex A of doc. *IRCC10-07DI* (amended by the IRCC10) and the continuity of WENDWG activities.

Decision 15: to approve the following amendments to the WENDWG Terms of Reference:

The purpose of the WEND Working Group is to advise IRCC to enable the highest societal value of Member State effort by:

1. Facilitating a world-wide consistent level of high-quality, updated official ENC's through integrated services that support chart carriage requirements of SOLAS Chapter V, and the requirements of the IMO Performance Standards for ECDIS, and
2. Review options, and recommend actions, that expand the value of the Worldwide ENC Database to all marine data users applying data management principles.

e) MSDIWG

Decision 16: to approve the MSDIWG Work Plan 2018-2020.

Decision 17: to task the MSDIWG to:

- follow the development in MSP implementation worldwide,
- establish a list of relevant Member State National MSP Data Contact Points and contact persons,
- establish a list of additional relevant institutions, contact person/data experts,
- study the most relevant MSP issues in a cross-border / trans-boundary context in relation to data and information seen from a Member State perspective,
- compile minimum requirements for Hydrographic data for Maritime Spatial Plan Data and recommendations of distribution/sharing of this data,
- provide an overview on (national / regional) MSP best practice,
- establish MSP page on the IHO website under the MSDIWG body of knowledge.

Decision 18: to establish the IHO Project Team on the implementation of the UN-GGIM Shared Guiding Principles for Geospatial Information Management (PPT) under the ToR and RoP in doc. *IRCC10-07E1*.

Action 13: Chair to send an IRCC CL inviting IRCC Members to participate in the IHO Project Team on the implementation of the UN-GGIM Shared Guiding Principles for Geospatial Information Management (PPT) (deadline: July 2018).

Action 14: IHO Project Team on the implementation of the UN-GGIM Shared Guiding Principles for Geospatial Information Management (PPT) work under its ToR and RoP and to report back to IRCC (deadline: IRCC11).

Action 15: Secretariat to create a web page to present the work of the IHO Project Team on the implementation of the UN-GGIM Shared Guiding Principles for Geospatial Information Management (PPT) (deadline: July 2018).

f) IENWG

Decision 19: to approve the IENWG Work Plan (Annex to doc. IRCC10-07F).

g) CSBWG

Decision 20: to endorse the CSB Guidance Document.

Action 16: Chair to submit the CSB Guidance Document to the Council for endorsement and subsequent approval by Member States (deadline: C-2).

Recommendations to RHCs:

- Encourage IHO Member States to release datasets or subsets into the public domain via the IHO DCDB.
- Request IHO Member States to state their policy on data gathering restrictions within their maritime areas of jurisdiction to enable CSB activities to be undertaken.
- Request IHO Member States to support the CSB initiative with positive actions, such as requiring all research vessels collect bathymetric data for late uploading, when on passage or when it does not interfere with other research activities.
- Request the IHO Member States to promote a scaled trial of CSB data collection as a follow on to earlier pilot programs (need better wording anyway).

Action 17: USA to share lessons learned with Rose Points engagement and report back to IRCC (deadline: IRCC11).

Decision 21: to approve the proposed revisions to the CSBWG ToRs and RoPs (Annex C of doc. *IRCC10-07G*) and to reappoint the WG to continue its work under the proposed revised ToRs.

Decision 22: to acknowledge the work of the CSBWG and its Chair, Mrs Jennifer Jencks.

h) IBSC

Decision 23: to acknowledge the work done by the IBSC in the delivery of the new framework for the Standards of Competence for Hydrographic Surveyors and Nautical Cartographers.

Decision 24: to approve the clarifications/minor amendments made in IHO Publications S-5A Ed. 1.0.1 and S-8A Ed. 1.0.0 (Annex C of doc. *IRCC10-07H*).

Action 18: Secretariat to amend IHO Publications S-5A Ed 1.0.1 and S-8A Ed 1.0.0 in accordance with Annex C of doc. *IRCC10-07H* and publish in the IHO website (deadline: July 2018).

Decision 25: to note the IBSC goal of *Right First Time*.

Decision 26: to approve the IBSC Work Plan – Q2/2018 to Q2/2019 (Annex B of doc. *IRCC10-07H*).

i) GGC

Decision 27: to approve the GEBCO Work Plan 2018-2019 (Annex B of doc. *IRCC10-07I*).

Recommendations to RHC:

- Continue to encourage Member States to organize contribution of bathymetric data in shallower

coastal areas to GEBCO via IHO DCDB in order to support the production of higher resolution gridded data products of GEBCO.

- Invite, and communicate with, GEBCO members to their meetings.

Decision 28: to note the reports under agenda item 7 (docs. *IRCC10-07A* to *D*).

8. Outcomes of the 1st Meeting of the IHO Council (C-1)

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9. Inputs from Member States and other bodies affecting IRCC

HSSC

Recommendations to RHC:

- Members to share their internal guidelines and Best Practices on the population of CATZOC values through the DQWG.

Stakeholders

Decision 29: to consider the list of Potential Stakeholders' Events planned in 2018 relevant and its continued existence.

Decision 30: to note the list of events in Annex A of doc. *IRCC10-09B*.

Recommendations to RHC:

- Consider how the IHO might be represented in events in Annex A of doc. *IRCC10-09B*.

Presentation of the tides paper:

Recommendations to RHC:

- Use the tides, water level and currents training material developed and the training resource offered by the TWCWG in their capacity building work programmes.
- Encourage States in the region to contribute to the inventory of tide gauges and current meters.

10. Data gathering and Management, Maximizing the use of Hydrographic Data

Decision 31: to note the report under agenda item 10 (doc. *IRCC10-10A*).

11. Developments on the Infrastructure of the IHO Secretariat

Decision 32: to endorse the draft revised IHO Resolution 6/2009 IHR (Annex to doc. *IRCC10-11B*).

Action 19: Chair to submit the draft revised IHO Resolution 6/2009 IHR (Annex to doc. *IRCC10-11B*) to the Council (deadline: C-2).

12. Other information papers

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13. Next IRCC Meetings (Venue and Date)

Decision 33: to approve the venues and dates for the next IRCC meetings, back to back with CBSC:

IRCC11: 3-5 June 2019 – Italy (exact venue to be decided),

IRCC12: May / June 2020 – Poland (exact venue to be decided),

IRCC13: May / June 2021 – Ecuador (Galapagos, TBC), and

IRCC14: May / June 2022 – Japan, (TBC) (exact venue to be decided).

14. Any other business

Action 20: Chair and Secretary to follow up on Decision WENDWG8/10 to commission the new IHO ENC Catalog and report back to IRCC (deadline: IRCC11).

15. IRCC Administration (Draft Report from the IRCC to the C-2)

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16. Review of the Actions and Decisions

Decision 34: to approve the draft list of Decisions, Actions and Recommendations to the RHC (doc. *IRCC10-16*).

17. IRCC Work Programme Management

Decision 35: to approve the draft IRCC Work Programme 2018-2019 (doc. *IRCC10-17B*).

Recommendations to RHC (formerly in the IRCC Work Programme 2017-2018):

- Contribute to monitoring and improving the global status of hydrographic surveying.
- Contribute to improving the framework of IHO response to marine disasters.
- Encourage Member States and representatives of industry and academia to promote and to work together to ensure that the best possible use is made of Satellite Derived Bathymetry.
- Consider the participation of stakeholders at the RHC conferences.
- Invite GEBCO Guiding Committee / Bathymetric Regional Project Chairs to attend corresponding RHCs meetings, aiming at strengthening collaboration with a priority on improving high resolution shallow water bathymetry at the regional level.
- Continue supporting GEBCO regional projects.
- Invite and encourage Member States to participate in the annual GEBCO GC meetings.
- Encourage National Hydrographers to invest in English language training in order to increase the chances of their candidates being selected to Category "A" and Category "B" training courses delivered in English.
- Work to reduce overlaps by applying the WEND Principles in defining approve ENC schemes.
- Facilitate resolution of important inconsistencies between paper charts and ENCs and between ENCs from different producers as identified by the RENCs or otherwise.
- Encourage Member States in their respective regions to use the Risk Assessment methodology to establish Hydrographic Survey priorities.
- Encourage the attendance of Member States and Observers at WWNWS-SC meetings (**REMOVE: already in the recommendations agreed under Agenda item 7B**).
- Raise awareness of the impact of e-navigation on the provision of MSI in the respective regions and to highlight the use of the Joint Manual on MSI to ensure correct terminology and formats are used in MSI messages.
- Encourage closer engagement of the National MSI Coordinators of Member States with the relevant NAVAREA Coordinator (**REMOVE: already in the recommendations agreed under Agenda item 7B**).
- Encourage closer coordination between NAVAREA and Capacity Building Coordinators in planning and student selection for the CB MSI training courses.
- Invite Member States to provide following information in the National Reports to RHC meetings: the status of MSDI; plans for involvement in MSDI; and challenges facing the HO.
- In coordination with Member States, to be attentive to opportunities to raise awareness on the role of hydrography and the importance of improving mankind's knowledge of the seas and oceans in support of the sustainable development goals, disaster risk reduction and the integrity of the

oceans.

18. Closure

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