



13th Meeting of the Hydrographic Services and Standards Committee

Report of the Inter-Regional Coordination Committee (IRCC)

Agenda Item 7.1

HSSC-13, VTC Event, 3 – 7 May 2021



IHO

PRINCIPAL ACTIVITIES AND ACHIEVEMENTS

International
Hydrographic
Organization

- IRCC-12 was held 6-7 October 2020 as VTC
- IRCC-13 is planned to be held 23-25 June 2021 as VTC
- There was no IRCC meeting since the last HSSC meeting
- Meetings MACHC, NHC, NSHC, SAIHC, SWPHC, USCHC
- Only a few subordinate bodies of IRCC had meetings since October
 - IENWG
 - WEND WG
 - CSB WG
 - CBSC (extraordinary)



IHO

PRINCIPAL ACTIVITIES AND ACHIEVEMENTS

International
Hydrographic
Organization

Ocean Mapping / Crowd Sourced Bathymetry / GEBCO

- CSB / Seabed 2030 Coordinators for RHC
 - CSB has a very active and developing topic within the IHO and beyond, especially in liaison with Seabed2030 initiative from the Nippon Foundation and GEBCO.
 - RHCs are getting more and involved and nominated CSB/Seabed2030 Coordinators to ensure the coordination and exchange of the issues with each RHC.
- Trusted Community Bathymetry (TCB) & CSB Loggers: Open hardware/software solution for focused CSB data collection was presented by UNH. The RHC CSB/SB2030 Coordinators will be playing a role in gaining participation in field trials.



IHO

PRINCIPAL ACTIVITIES AND ACHIEVEMENTS

International
Hydrographic
Organization

Ocean Mapping / Crowd Sourced Bathymetry / GEBCO

- Project Briefs: Updates on current CSB-related Efforts by
 - Da Gama Maritime (activities within the super yacht community);
 - FarSounder (use of forward looking sonars for CSB);
 - Navico/C-Map (overview on the recent activities);
 - CIDCO (overview on the recent activities);
 - James Cook University (Great Barrier Reef CSB activities);
 - JAMSTEC (activities around Japan and recent developments);
 - CHS (Pydro application);
 - Fugro (update on recent activities);
 - China MSA CSB (details on CSB data collection efforts in China).
- CSB Guidance Document B-12 is under revision



IHO

PRINCIPAL ACTIVITIES AND ACHIEVEMENTS

International
Hydrographic
Organization

WEND100 Principles

- Draft IHO Resolution on WEND-100 Principles endorsed by A-2
- Final development and submission to IRCC-13 for endorsement [then C-5 for endorsement, then MS for approval];
- WENDWG drafting group to liaise with S-100WG/S-101PT/RENCs and prepare recommendations and draft Guidelines on the establishment of S-101 ENC Schemes (Annex to WEND-100 Principles or as part of the “Guidelines on the implementation of the WEND-100 Principles”



IHO

PRINCIPAL ACTIVITIES AND ACHIEVEMENTS

International
Hydrographic
Organization

Impact of WEND100 Principles on S-100 Implementation Strategy

Discussion on the unique opportunity for IHO, RHC, MS and WENDWG in particular, on the most cost-effective option(s) to move from S-57 ENC schemes to S-101 ENC schemes.

- A feasibility and impact study on new grid-based schemes, is recommended to assess the best way forward for each commission and for end-users, including mariners.
- Ad hoc drafting group to prepare guidelines and recommendations on the establishment of S-101 ENCs Schemes before the production starts.



IHO

PRINCIPAL ACTIVITIES AND ACHIEVEMENTS

International
Hydrographic
Organization

WEND100

Assuming that some S-1xx products (i.e. S-102, S-104, S-111, S-128 and S-129) may be ready before S-101 ENC's,

WENDWG agreed to set up another ad hoc drafting group to develop some Implementation Guidelines in application of the WEND-100

Principles, without waiting for the adoption of the new IHO Resolution.



IHO

PRINCIPAL ACTIVITIES AND ACHIEVEMENTS

International
Hydrographic
Organization

INToGIS II update – S-128 – Towards INToGIS III for S-1xx products

- Thanks to the support provided by KHOA (ROK) for update on INToGIS II
- WENDWG agreed on the way forward to consider the development of INToGIS III
- Using S-128 standard as far as possible, in order to allow to manage and visualize S-1xx products coverage in the future.
- This new functionality offered through the IHO GIS toolbox could become a key component of the Roadmap for the S-100 Implementation Decade.
- Suggestions were made by the RENCs to first make an inventory of the existing digital catalogues, overlap and gap checkers, in order to optimize the efforts.



IHO

PRINCIPAL ACTIVITIES AND ACHIEVEMENTS

International
Hydrographic
Organization

HD ENC and S-102

Report to IRCC on the value of a survey among MS, questioning on their plans for producing HD ENCs... in particular once S-102 is under production.

- Discussion of the impact on S-102 in the future continuation of HD ENCs.
- Survey questioning producers on their plans for producing HD ENCs once S-102 is under production.
- WENDWG collects questions that might be included in a possible survey towards MS on their plans and views related to the production of HD ENCs.



IHO

PRINCIPAL ACTIVITIES AND ACHIEVEMENTS

International
Hydrographic
Organization

E-learning

- PRO 3.3 has been approved at A-2,
- CBSC Project Team to establish an IHO e-Learning Center under CBSC lead with other IRCC subordinate bodies
- Member States who have experience in developing and providing e-Learning contents are invited to actively share the resources and experience.



IHO

PROBLEMS OR OUTSTANDING ISSUES

International
Hydrographic
Organization

Strategic Plan

1. Implementation of the Revised Strategic Plan tasks IRCC and the Sub-committees.
2. IRCC, subordinate bodies and RHCs shall experiment the implementation of the Strategic Plan and consider during this process, following gap analysis if appropriate, whether our organization and work programmes are fit for purpose, in particular for meeting Goals 2 and 3.
3. develop useful means to measure and provide appropriate and applicable Strategic Performance Indicator (SPI).



IHO

ACTIONS REQUESTED FROM HSSC

International
Hydrographic
Organization

The HSSC is invited to :

1. Note the report
2. Take any other action as appropriate