



IHO HYDROGRAPHIC SERVICES AND STANDARDS COMMITTEE

Report on the Outcomes at **IRCC-8**

Affecting **HSSC**

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IRCC Chair

General

- ✦ IRCC-8 hosted by the General Headquarters Armed Forces, Military Survey Department, Abu Dhabi, UAE
- ✦ Participation:
 - 51 delegates
 - 19 Member States, IHB, one RENC and one international organization accredited as observer
- ✦ Final minutes and related documents available from the IRCC page of the IHO website (www.iho.int > Committees & WG > IRCC > IRCC-8)
- ✦ IRCC-9 to be hosted by the Hydrographic Office of Suriname and held from 12 to 14 Jun 2017, Paramaribo, Suriname



Major Outcomes of Activities

- ✦ Noted the developments in ENC-derived electronic charts for non-SOLAS market:
 - To meet emerging national carriage requirements, eg NHC and Chile
 - To consider creating guidelines to support national maritime administrations:
 - Use of official data in derived products for the leisure market
 - Minimum level of functionality of ECS



Major Outcomes of Activities

✦ Capacity building activities

- Increasing in West Africa - leadership of Morocco and key contribution from France
- High level of engagement in the South-West Pacific, eg in Fiji aftermath of Tropical Cyclone “Winston”
- Continued funding support from the ROK and the Nippon Foundation of Japan

✦ ARCHC

- Arctic Voyage Planning Guides
- Ongoing efforts to solve ENC overlaps
- Establishing an Arctic-MSDI to support risk assessment analysis
- Stakeholder engagement to implement crowd-sourced bathymetry, satellite-derived bathymetry and risk assessment analysis



Major Outcomes of Activities

★ WWNWS-SC

- Approval of the SafetyNET and NAVTEX Manuals by IMO
- Noted increased cooperation between NAVAREA and METAREA
 - Need for more engagement of Member States, National MSI Coordinators and Observers

★ WEND

- Some of the top 2000 ports still lack adequate ENC coverage
- Some ENCs are not available/distributed through RENCs
- Agreed on guidance under which Marine Information Overlays (MIOs) could be issued



Major Outcomes of Activities

- ✦ Noted Updating IHO Publication C-17 *Spatial Data Infrastructures: “The Marine Dimension” - Guidance for Hydrographic Offices*
- ✦ Noted CSBWG preparation of a guidance document on Crowd-Sourced Bathymetry
- ✦ Endorsed the draft new edition 1.0.0 of IHO Publication S-5A *Standards of Competence for Category "A" Hydrographic Surveyors*
- ✦ Approved the work plan for draft new editions 1.0.0 of IHO Publications S-8B *Standards of Competence for Category "B" Nautical Cartographers* and S-8A *Standards of Competence for Category "A" Nautical Cartographers*



Major Outcomes of Activities

- ✦ **Noted work of GEBCO Guiding Committee and its Subordinate bodies:**
 - Evolution of the GEBCO grids
 - Incorporation of shallow water bathymetry in the GEBCO dataset
 - Digitising of the GEBCO chart series supported by of Italy, Japan and F-FOFM



Major Outcomes of Activities

✦ IHO Strategic Plan

- A more pragmatic performance monitoring system needed
- Need to raise awareness of the role of hydrography in support of:
 - UN's Sustainable Development Goals Agenda 2030
 - Disaster risk reduction
 - Integrity of the oceans



IRCC-8 Actions Relevant to HSSC

No	Action	Potential Impact on HSSC
IRCC8/19	Notify the HSSC Chair on the development of the OGC Candidate Standard to replace Coordinate Reference Systems (CRS)	Doc. IRCC8-07E informs the development of the OGC Candidate Standard to replace Coordinate Reference Systems (CRS) and requests to HSSC considerations regarding to the development on this.
IRCC8/27	Request to HSSC to consider the human element component in its consideration of the quality assurance process for hydrography.	Doc. IRCC8-07H3 informs that the human element may be a valid component in determining the statistical uncertainty associated with hydrographic surveys. HSSC is requested to task the Hydrographic Surveys Scoping Project Team (H2SPT) to investigate such matters.
IRCC8 Decision 14	To endorse the recommended actions from WENDWG concerning Marine Information Overlays (MIOs).	IRCC8 Report and Doc. IRCC8-07D note that there is a need to raise awareness of T&P NM updates for ENC's, and HSSC is encouraged to include within its work plan for the ENCWG the delivery of an improved solution for T&P updates in future S-101 based ECDIS. In the interim period possibilities of S-124 should be considered. HSSC is requested to consider this recommendation.



Proposals

- ✦ HSSC is invited to:
 - **Note** this report
 - **Consider** the potential impact of IRCC-8 actions, decisions and tasks relevant to its work
 - **Take any other actions** considered necessary.

