

**8<sup>th</sup> MEETING OF THE IHO-INTER REGIONAL COORDINATION COMMITTEE  
IHO IRCC-8  
ABU DHABI, UAE, 29-31 MAY 2016**

**Input from HSSC-7**

<b>Submitted by:</b>	Secretary, HSSC
<b>Executive Summary:</b>	This liaison report outlines the outcomes from the seventh meeting of the Hydrographic Services and Standards Committee (HSSC-6) of interest to the IRCC.
<b>Related documents:</b>	Minutes of HSSC-7 IHO CL 02/2016 – <i>Outcome of HSSC-7</i>

**General**

1. The seventh meeting of the Hydrographic Services and Standards Committee (HSSC) took place from 10 to 13 November 2015 in Busan, Republic of Korea, hosted by the Korea Hydrographic and Oceanographic Agency (KHOA). The meeting was attended by 48 representatives from 20 Member States, the IHB, and six international organizations accredited as observers. A half-day IHO Stakeholders' Open Session was included in the agenda of the meeting and attracted eight additional participants who attended all, or part, of the HSSC sessions as invited observers.
2. The minutes of HSSC-7, together with the list of actions arising from the meeting and their current status, are available from the HSSC page of the IHO website ([www.iho.int](http://www.iho.int) > Committees & WG > HSSC), at section HSSC 7. The consolidated HSSC Work Plan 2016-2017 is also available from that page, at section "Miscellaneous".
3. The 8<sup>th</sup> HSSC meeting (HSSC-8) will be held from 14 to 18 November 2016 at the IHB in Monaco. HSSC-9 is planned to take place in Ottawa, Canada in early November 2017 and HSSC-10 in Rostock, Germany in November 2018.

**Status of the working groups of the HSSC**

4. The HSSC endorsed the continuation of its current working groups and approved the revised Terms of Reference (TOR) of the Nautical Cartography Working Group (NCWG) and the Tides, Water Level and Currents Working Group (TWCWG).
5. The Committee established the "Hydrographic Surveys Scoping Project Team" (H2SPT) to address the scope and the deliverables expected from any new hydrographic surveys working group, if and when established (see IHO CL 83/2015) and instructed the S-100 Working Group (S-100WG) to set up two project teams to address the development of IHO product specifications based on S-100 related to under keel clearance management information and to maritime limits and boundaries (see IHO CL 84/2015).

**Preparation of the XIX<sup>th</sup> IH Conference / 1<sup>st</sup> Session of the IHO Assembly**

6. The HSSC tasked the Chair Group, composed of the Chair and Vice-Chair of the Committee and the Chairs of its subordinate organs, to prepare inputs for the revision of the IHO Strategic Plan and the IHO 3-year Programme of Work. To that effect, the HSSC Chair Group is scheduled to meet in Paris, France on 1 and 2 June.

**Consideration of the outcome of IRCC-7**

7. The IRCC Chair reported on the main outcomes of IRCC-7, highlighting in particular the establishment of the new Crowd Sourced Bathymetry Working Group (CSBWG) and the recommendations made by the Marine Spatial Data Infrastructures Working Group (MSDIWG).
8. The HSSC noted the report and the requests of the IRCC, including the concerns expressed by the MSDIWG

about interoperability issues with spatial data infrastructure standardization (INSPIRE European Directive for instance) and agreed on appropriate actions (see Annex A).

### **Issues of interest to the IRCC**

#### ***Admiralty Information Overlay (AIO)***

9. The HSSC considered the interim report provided by the WEND Working Group (WENDWG) and the relevant items of the report of the NCWG.

10. The NCWG Chair reported on the actions taken by the Working Group, in relation with the maintenance of S-4 and in liaison with the S-101 Project Team, to address the technical aspects of consistency between nautical products and Temporary and Preliminary (T&P) updates in ENC's. A new specification B-104 - *Consistency between Chart Products* and additional clauses in specifications B-600 - *Chart Maintenance*, B-633 - *Temporary Notices to Mariners* and B-634 3 - *Preliminary Notices to Mariners* have been inserted in the revised Edition 4.6.0 of S-4 adopted by Member States (see IHO CL 15/2016).

11. The HSSC noted the views expressed by several IHO Member States regarding the AIO service and referred them to the IRCC through the WENDWG for further consideration.

#### ***S-124 - Navigational Warnings***

12. France reported on the activities of the S-124 Correspondence Group (CG) on Navigational Warnings. The Committee noted the report and recalled that the scope of the S-124CG is limited to the delivery of navigational warnings, noting that temporary and preliminary notices for ENC's are taken into account in the S-101 development and more generally studied by NIPWG within Maritime Service Portfolios (MSP) specifications.

#### ***European Union Directive on Maritime Equipment***

13. The IHB informed the HSSC that in response to a request from an industry stakeholder, the IHO-EU Network Working Group (IENWG) had agreed to consider how the EU Marine Equipment Directive could foster the requirement that software-based marine equipment such as ECDIS be updated to the latest version of the relevant standards. The ENC Standards Maintenance Working Group (ENCWG) requested to be kept abreast of the developments related to the revision and implementation of the EU Marine Equipment Directive which might affect ECDIS. The IHB agreed to keep the ENCWG informed of further developments.

#### ***HSSC actions of interest to IRCC***

14. Annex A lists the actions agreed by HSSC-7 that may be of interest to IRCC.

15. Annex B lists the items of the HSSC Work Plan 2016-2017 related to IRCC activities.

### **Proposals**

16. IRCC is invited to

- a. **Note** this report;
- b. **Take** any actions as it considers appropriate.

## Annex A

## Status of HSSC actions of interest to IRCC

SUBJECT	ACTION No.	ACTIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at 31 March 2016)
AIO	HSSC7/24	<b>S-101 PT</b> to address the need for improved functionality regarding T&P updates in future ENC/ECDIS.	<b>HSSC-8</b>	On-going
S-65	HSSC7/32	<b>ENCWG</b> to review S-65 for alignment with the WEND Principles and Guidelines as amended.	<b>HSSC-8</b>	Planned
S-102	HSSC7/33	<b>Chair of S-102 PT</b> to consider the issues of interoperability with SDI standards (such as INSPIRE elevation data specification, etc.).	<b>HSSC-8</b>	On-going
Repository of S-100-based product specifications	HSSC7/34	<b>IHB</b> to maintain the list of S-xxx product specification and make it available on the IHO webpage including use-cases and business-cases, as appropriate.	<b>Permanent</b>	Done
EU Marine Equipment Directive	HSSC7/50	<b>IHB</b> to ensure that the ENCWG is kept informed on the outcome of the IENWG work item related to the revision of the EU Marine Equipment Directive.	<b>ENCWG-1</b>	Done

## Annex B

## Items of the HSSC Work Plan 2016-2017 related to IRCC activities

Organ	Work item	Title	Priority H-high M-medium L-low	Next milestone	Start Date	End Date	Status P-planned O-ongoing C-completed S-Superseded	Contact Person(s)	Related Pubs / Standard	Remarks
NCWG	A23	Specify "consistency" of charted information between paper charts and corresponding ENCs	M		2015	2016	C	Sec NCWG	S-4 Part B Sections 100 and 600	See S-4 - Edition 4.6.0
	A24	Provide guidance on the use of seals of non- IHO members on INT charts	M		2014	2016	C	Sec NCWG	S-4	See S-4 - Edition 4.6.0
	B.3	Develop guidelines for preparation & maintenance of small / medium scale ENC schemes.	H	New edition of S-11 Part A	2009	2017	O	Sec/Chair NCWG IHB	S-11A	
	B.4	Prepare a "basic quality assurance check-list template" for use by INT Chart Coordinators/ICCWG in support of the review of new INT charts.	M		NCWG-2	2016	O	IHB Chair/Sec NCWG		See IHO CL 64/2015
DQWG	F.2	Investigate data quality related topics concerning crowd sourced hydrographic information	M	DQWG11	2016	2017	P	Chair DQWG	S-44?	Liaison with CSBWG

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DQWG	F.3	Investigate data quality related topics concerning satellite derived bathymetry	M	DQWG11	2015	2017	P	Chair DQWG	S-44?	The topic was introduced during DQWG10
ABLOS	C1	Deliver standard training programmes for the CBSC	H		2011	Continuous	O	Chair ABLOS		Workshops planned in 2017 in the CBSC Work Plan.