

**8TH MEETING OF THE HYDROGRAPHIC SERVICES AND STANDARDS COMMITTEE
IHB, Monaco, 14-18 November 2016**

Paper for Consideration by HSSC

Status Report on IHO Publications on Standards, Specifications and Guidelines

Submitted by:	IHB
Executive summary:	This document provides a brief description of the status of all IHO publications on standards, specifications and guidelines, under HSSC responsibility, as of October 2016.
Related Documents:	IHO Resolution 2/2007 as amended; IHO Publication P-6 - EIHC-5 Report of Proceedings - CONF.EX5/REP.02, Appendix 2; IHO Resolution 12/1962 as amended; Final Minutes of HSSC7 (Paragraph 10 and action HSSC7/49).
Related Projects	None.

Background

1. As in previous years, a report on the current status of IHO publications under HSSC's responsibility is provided to HSSC-8, further drawing attention to the edition in force for each publication and to any plan for a new edition and translation. The summary report is at Annex A.

Analysis

2. Following the presentation of the status report on IHO Publications at HSSC7, the Committee invited further comments by correspondence regarding the next edition dates and possible requirements and contributions for translation in French and/or Spanish (see action HSSC7/49). At the 14th Conference of the Eastern Atlantic Hydrographic Commission held from 18 to 20 October 2016, in Cádiz, Spain, the IHB received the confirmation from the Hydrographer of Spain that his intention is to continue contributing, on a case-by-case basis, to the translation of IHO technical standards into Spanish.

3. Since HSSC-7 in November 2015, the following new editions, highlighted in **green** in Annex A, have been published:

- S-4 *Regulations for INT Charts and IHO Chart Specifications* – Edition 4.6.0 – April 2016 [English and Spanish]. The French version of S-4 is maintained by the IHO Secretariat and Ed. 4.6.0 is in the final stages of publication.
- S-4 *Regulations for INT Charts and IHO Chart Specifications (Associated Documents)*
 - INT 1 Symbols, Abbreviations and Terms used on Charts – 5^a Edición– Noviembre 2015 [Spanish]
 - INT 1 Symbols, Abbreviations and Terms used on Charts – 6^{ème} Edition – mars 2016 [français]
- S-11 Part B *International Chart Web Catalogue – Edition 3.0.11 – October 2016* is composed of:
 - Region A – NW Atlantic & NE Pacific Oceans – Edition 3.0.0 – January 2016

- Region B – Meso-America & Caribbean Sea – Edition 3.0.0 – January 2016
- Region C1- SW Atlantic - Edition 3.0.1 - August 2016
- Region C2 – SE Pacific – Edition 3.0.0 – January 2016
- Region D – North Sea - Edition 3.0.3 – August 2016
- Region E - Baltic Sea - Edition 3.0.4 - September 2016
- Region F – Mediterranean & Black Seas - Edition 3.0.0 - January 2016
- Region G – NE Atlantic - Edition 3.0.2 – October 2016
- Region H - SE Atlantic & SW Indian Ocean - Edition 3.0.1 – October 2016
- Region I - NW Indian Ocean - Edition 3.0.0 – January 2016
- Region J - North Indian Ocean - Edition 3.0.0 – January 2016
- Region K - East Asia & NW Pacific Ocean - Edition 3.0.0 – January 2016
- Region L - SE Indian Ocean & SW Pacific - Edition 3.0.0 – January 2016
- Region M - Southern Ocean - Edition 3.0.1 - September 2016
- Region N - Arctic Ocean - Edition 3.0.0 – January 2016
- Region 1:10M - Arctic Ocean - Edition 2.0.1 – January 2016

With the commissioning of the S-11 Part B GIS database and associated web services, all the editions of the regional databases of S-11 Part B were made available early January 2016 as of Ed. 3.0.0. Since, some of them have been updated.

- Edition 4.0.(1) – October 2014 (with clarifications up to June 2015)
- *S-53 Joint IMO/IHO/WMO Manual on Maritime Safety Information* [English]
 - Edition – January 2016 [English]

4. The following new Revisions [English] are being submitted to HSSC-8 for endorsement, prior to being forwarded to Member States for approval:

- *S-4 Regulations for INT Charts and IHO Chart Specifications*
 - Draft Edition 4.7.0 - Month 2017
- *S-11 Part A Guidance for the Preparation and Maintenance of International Chart Schemes and Catalogue of International (INT) Charts Product Specification*
 - Draft Edition 3.0.0 – Month 2017

5. Information on possible future editions to be considered by HSSC has been included in the table at Annex A, mainly taken from the work plans contained in WG Chairs' reports. The current translation plans (in French and in Spanish), following the Conference decision at EIHC-5 to amend IHO Resolution 12/1962 – *Documentation*, are given in the table at Annex A for further consideration (highlighted in yellow).

6. Information on the latest IHO Standards that apply to ECDIS Equipment and the latest IHO Standards that apply to ENC Production and Distribution has been updated since HSSC-7 and is available on the IHO website > ENCs&ECDIS > [Latest Versions of Relevant IHO Standards](#).

Recommendations

7. Based on the above analysis, it is recommended to:
- a. Review the information provided in the table in Annex A and consider whether any adjustment is needed.
 - b. Consider possible requirements and contributions for translation in French and/or Spanish.

- c. If deemed necessary, consider possible improvements and adjustments on the information provided for the latest IHO Standards that apply to ECDIS Equipments.

Action required of HSSC

8. The HSSC is invited to:
 - a. **note** this report;
 - b. **consider** the recommendations in paragraph 7, and
 - c. **take** any action as appropriate.

Annex A

IHO Publications under HSSC responsibility or supervision
Summary of Status (as at 25 Oct. 2016)

- Notes: a) All the standards and guidelines are subject to the amendments and approval procedures set out in IHO Resolution 2/2007 as amended unless indicated otherwise.
 b) TBD = to be decided/defined, TBC = to be confirmed.
 c) **New** Editions or Publications since HSSC-7.
 d) Highlighted in **yellow**: suggestions or proposals to be considered at HSSC-8.

Number	Title	Responsibility ¹	English Current Edition - Date	Submitted / referred to HSSC-8	English Next Edition	French Current Edition - Date	Spanish Current Edition - Date
S-4	<i>Regulations of the IHO for International (INT) Charts and Chart Specifications of the IHO</i>	NCWG	4.6.0 - April 2016	Draft Ed. 4.7.0 - xx 2017 HSSC8-05.5B rev1	Changes to 4.6.0 submitted to HSSC8	4.5.0 – Oct. 2014 (4.6.0 ready)	4.6.0 – April 2016
INT 1	<i>Symbols, Abbreviations and Terms used on Charts</i>	NCWG	8 – July 2015	-	-	6 – March 2016	5 – Nov. 2015
INT 2	<i>Borders, Graduations, Grids and Linear Scales</i>	NCWG	4 - 2007 ²		Not planned	4 – 2007 ²	4 – 2007 ²
INT 3	<i>Use of Symbols and Abbreviations</i>	NCWG	5 – Dec 2011		Not planned	Not planned	Not planned
S-11 Part A	<i>Guidance for the Preparation and Maintenance of International Chart Schemes</i>	NCWG	2.0.5 – May 2012	Draft Ed. 3.0.0 – xx 2017 HSSC8-05.5C	3.0.0 submitted to HSSC8	2.0.5 – May 2012 3.0.0 Planned	-- TBD

¹ In accordance with the current structure of HSSC WGs.

² Trilingual Publication.

Number	Title	Responsibility ¹	English Current Edition - Date	Submitted / referred to HSSC-8	English Next Edition	French Current Edition - Date	Spanish Current Edition - Date
S-11 Part B	<i>Catalogue of INT Charts - Introduction</i>	NCWG/IHB	Various 3.0.11 Oct. 2016	--	--	--	--
S-12	<i>Standardization of List of Lights and Fog Signals</i>	NIPWG	1 – Jun 2004		TBD	1 – Jun 2004	--
S-32	<i>Hydrographic Dictionary</i>	HDWG	5 - 1994		Not planned ³	5 - 1998	5 - 1996
S-32 App. 1	<i>Glossary of ECDIS-Related Terms</i>	HDWG	Sep 2007 ⁴		Not planned	Reported as translated in HSSC6-05.9A	Sep 2007
S-32 online		HDWG	Always current	HSSC8-05.9A	In progress	In progress	In progress
S-44	<i>IHO Standards for Hydrographic Surveys</i>	--	5 – Feb 2008	HSSC8-05.7A	Not planned	5 – Feb 2008 (rev 5.0.1 – Jun 2011)	5 – Feb 2008
S-49	<i>Standardization of Mariners' Routeing Guides</i>	NIPWG	2.0 – Apr 2010		Not planned	2.0 – avril 2010	Not planned
S-52	<i>Specifications for Chart Content and Display Aspects of ECDIS</i>	ENCWG	6.1.(1) – Oct 2014 (June 2015)		Not planned	Not planned	Not planned
S-52 Annex A	<i>IHO ECDIS Presentation Library</i>	ENCWG	4.0.(1) – Oct 2014 (June 2015)		Not planned	Not planned	Not planned
S-52 App. 1	<i>Guidance on Updating the ENC</i>	ENCWG	4.0.0 – Apr 2012		Not planned	Not planned	Not planned

³ The online version was issued in 2004 (CL 13/2004 refers) and made available in wiki format in 2010 (CL 7/2010 refers). No formal decision has been taken concerning future pdf editions.

⁴ S-32 App. 1 will be removed from the web after inclusion of the terms in S-32 online.

Number	Title	Responsibility ¹	English Current Edition - Date	Submitted / referred to HSSC-8	English Next Edition	French Current Edition - Date	Spanish Current Edition - Date
S-57	<i>IHO Transfer Standard for Digital Hydrographic Data</i>	ENCWG	3.1 – Nov 2000		Not planned	Not planned	Not planned
S-57 Suppl.	<i>Supplementary Information for the Encoding of S-57 Edition 3.1 ENC Data</i>	ENCWG	Suppl 3 – Jun 2014		Not planned	Not planned	Not planned
S-57 App. B.1	<i>ENC Product Specification</i>	ENCWG	2.0 – Nov 2000		Not planned	Not planned	Not planned
S-57 App. B.1 Annex A	<i>Use of the Object Catalogue for ENC (UOC)</i>	ENCWG	4.0.0 – Jun 2014		Not planned	Not planned	Not planned
S-58	<i>ENC Validation Checks</i>	ENCWG	5.0.0 – Jun 2014	Draft Ed. 6.0.0 planned end Nov. 2016 to be endorsed by HSSC CL. HSSC8-05.3A	TBD	Not planned	Not planned
S-60	<i>User's Handbook on Datum Transformations involving WGS 84</i>	IHB	3 – Jul 2003		Not planned	Not planned	Not planned
S-61	<i>Product Specification for Raster Navigational Charts (RNC)</i>	ENCWG	1 – Jan 1999		Not planned	Not planned	Not planned
S-62	<i>List of Data Producer Codes</i>	IHB	Always current		Not applicable	Bilingual version to be developed	Not planned
S-63	<i>IHO ENC Data Protection Scheme</i>	DPSWG	1.2.0 – Jan 2015	HSSC8-05.2A	Draft Ed. 2.0, 2017?	1.1.1 – Apr 2012 Not planned	Not planned

Number	Title	Responsibility ¹	English Current Edition - Date	Submitted / referred to HSSC-8	English Next Edition	French Current Edition - Date	Spanish Current Edition - Date
S-64	<i>IHO Test Data Sets for ECDIS</i>	ENCWG	3.0.1 – June 2015	HSSC8-05.3A	Draft Ed. 3.0.2 in progress (2017)	TBD ⁵	TBD ⁵
S-65	<i>ENC Production Guidance</i>	ENCWG	2.0.0 – Apr 2012	Draft Ed. 2.1.0 HSSC8-05.3A&B	Ed. 2.1.0	2.0.0 – Apr 2012 TDB	Not planned
S-66	<i>Facts about Electronic Charts and Carriage Requirements</i>	HSSC S-66 Project Team	1.0.0 – Jan 2010	Draft Ed. 1.1.0 planned end Nov. 2016 to be endorsed by HSSC CL. HSSC8-05.3A	Ed. 1.1.0 – Nov. 2016?	Planned	1.0.0 – Jan 2010
S-99	<i>Operational Procedures for the Organization and Management of the S-100 Geospatial Information Registry</i>	S-100WG	1.1.0 – Nov 2012	HSSC8-05.1A	Next Edition – 2017	TBD ⁶	Not planned
S-100	<i>IHO Universal Hydrographic Data Model</i>	S-100WG	2.0.0 – Jun 2015	Draft Ed. 3.0.0 HSSC8-05.1A	Draft Ed. 4.0.0 (2019)	Not planned	Not planned
S-101	<i>ENC Product Specification</i>	S-100WG	--	HSSC8-05.1A	Draft Ed. 1.0.0 – 2018	--	--
S-102	<i>Bathymetric Surface Product Specification</i>	S-100WG	1.0.0 – Apr 2012	HSSC8-05.1A	Draft Ed. 2.0.0 – 2018	Not planned	Not planned
S-103	<i>Sub-surface Navigation</i>	TBD					
S-111	<i>Surface currents</i>	TWCWG			2017		
S-112	<i>Real-time tidal data</i>	TWCWG			2017		
S-121	<i>Maritime limits and boundaries</i>	TBD			TBD?		
S-122	<i>Marine Protected Areas</i>	NIPWG			1.0.0 – 2017?		
S-123	<i>Radio Services</i>	NIPWG			2017?		

⁵ Consider developing a trilingual version (EN/FR/SP) of the introductory section.

⁶ To be considered with the development of a bilingual version (EN/FR) of the S-100 GI Registry.

Number	Title	Responsibility ¹	English Current Edition - Date	Submitted / referred to HSSC-8	English Next Edition	French Current Edition - Date	Spanish Current Edition - Date
S-124	<i>Navigational warnings</i>	WWNWS			2017?		
S-125	<i>Navigational services</i>	NIPWG			2017?		
S-126	<i>Physical Environment</i>	NIPWG			2017?		
S-127	<i>Traffic Management</i>	NIPWG			2017?		
S-128	<i>Catalogue of Nautical Products</i>	NIPWG			?		
S-12x	<i>Marine Services</i>	NIPWG			?		
S-1x	<i>Digital Mariner Routeing Guide</i>	NIPWG			?		
S-1x	<i>Harbour Infrastructure</i>	NIPWG			?		
S-1x	<i>(Social/Political)</i>	NIPWG			?		
S-xx	<i>Digital Tide Tables</i>	TWCWG			?		
S-1xx	<i>Underkeel Clearance Management Information</i>	UKCM PT		HSSC8-05.1A para. 2.13)			
S-411	<i>Sea-Ice</i>	WMO-IOC JCOMM Expert Team on Sea Ice	1.1.0 Jun 2014		Not planned		
S-412	<i>Met Ocean Forecasts</i>	NOAA/NWS	Draft May 2014				
C-51	<i>A Manual on Technical Aspects of the United Nations Convention on the Law of the Sea - 1982</i>	ABLOS	5.0.0 – Jun 2014	HSSC8-06.1A	2017?	Ed. 5.0.0 planned Dec. 2016	4 – Mar 2006 Not planned
M-3	<i>Relevant Resolutions</i>	All	Ed. 2, 2010, updated to July 2015	Proposal 9 in ACL10/2016 refers	Draft Ed. 3, following IHO-A1, 2017	Ed. 2, 2010, updated to July 2015	Ed. 2, 2010, updated to July 2015