

**7TH MEETING OF THE HYDROGRAPHIC SERVICES AND STANDARDS COMMITTEE
Busan, Republic of Korea, 9-13 November 2015**

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 2015.
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 HSSC6 (Paragraph 10 and action HSSC6/39).
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-7, 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 HSSC6, 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 HSSC6/39). The IHB has not received any comment so far.

3. Since HSSC-6 in November 2014, the following new editions, highlighted in **green** in Annex A, have been published:

- B-6 *Standardization of Undersea Feature Names (Guidelines, Proposal Form, Terminology)* – Edition 4.1.0, September 2013 [English/Spanish and English/Chinese versions]
- S-4 *Reglamento de la OHI para cartas internacionales y especificaciones cartográficas de la OHI* – Edición 4.5.0 – Octubre 2014 [Spanish version]
- S-4 *Regulations for INT Charts and IHO Chart Specifications (Associated Documents)*
 - INT 1 Symbols, Abbreviations and Terms used on Charts – 8th Edition – July 2015 [English]
- S-11 Part B *Catalogue of INT Charts* [English/French]:
 - Introduction - Edition 2.0.6 – March 2015
 - Region A – NW Atlantic & NE Pacific – Edition 2.0.6 – May 2015
 - Region C1- SW Atlantic - Edition 2.0.6 - April 2015
 - Region C2 – SE Pacific – Edition 2.0.6 – September 2015
 - Region E - Baltic Sea - Edition 2.0.7 - May 2015

- Region H - SE Atlantic & SW Indian Ocean - Edition 2.0.8 - August 2015
- Region I - NW Indian Ocean - Edition 2.0.9 – February 2015
- Region L - SE Indian Ocean & SW Pacific - Edition 2.0.5 - May 2015
- Region M - Southern Ocean - Edition 2.0.8 - June 2015
- Region N - Arctic Ocean - Edition 2.0.1 – September 2015

With the commissioning of the S-11 Part B GIS database and associated web services planned early 2016, it is proposed that all the editions of the regional databases of S-11 Part B delivered at the end of 2015 will be identified as of Ed. 3.0.0.

- S-49 *Normalisation des guides d'organisation du trafic pour les navigateurs* [French version, English version already available]:
 - Edition 2.0.0 – April 2010
- S-52 *Specifications for Chart Content and Display Aspects of ECDIS* [English]
 - Edition 6.1.(1) – October 2014 (with clarifications up to June 2015)
- S-52 Annex A *IHO ECDIS Presentation Library* [English]:
 - Edition 4.0.(1) – October 2014 (with clarifications up to June 2015)
- S-63 *IHO Data Protection Scheme* [English/French]
 - Edition 1.2.0 – January 2015 [English]
- S-64 *IHO Test Data Sets for ECDIS* [English]
 - Edition 3.0.1 – June 2015
- S-100 *IHO Universal Hydrographic Data Model* [English]
 - Edition 2.0.0 – June 2015
- M-3 *Resolutions of the IHO* [English/French/Spanish]
 - 2nd Edition – 2010, updated to July 2015

4. The following new Revisions [English] are being submitted to HSSC-7 for endorsement, prior to being forwarded to Member States for approval:

- S-4 *Regulations for INT Charts and IHO Chart Specifications*
 - Draft Edition 4.6.0 - October 2015
- S-11 Part A *Guidance for the Preparation and Maintenance of International Chart Schemes and Catalogue of International (INT) Charts Product Specification*
 - Draft Edition 2.1.0 – October 2015

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-6 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 7 Oct. 2015)

- 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-6.
 d) Highlighted in **yellow**: suggestions or proposals to be considered at HSSC-7.

Number	Title	Responsibility ¹	English Current Edition - Date	Submitted / referred to HSSC-7	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	4.5.0 - Oct 2014	4.6.0 - Oct 2015 HSSC7-05.6D	4.6.0 submitted to HSSC7	4.5.0 – Oct. 2014 (4.6.0 planned)	4.5.0 – Oct. 2014 (4.6.0 planned)
INT 1	<i>Symbols, Abbreviations and Terms used on Charts</i>	NCWG	8 – July 2015	-	-	5 – Jan 2012 6 – Early 2016	4 - Dec 2011 5 - Dec 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	2.1.0 - Oct. 2015 HSSC7-05.6E	2.1.0 submitted to HSSC7	2.0.5 – May 2012 2.1.0 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-7	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 Bilingual English/French	All versions of S-11 Part B regional database to become 3.0.0 – Jan. 2016	3.0.0 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		Not applicable	Always current	TBD
S-44	<i>IHO Standards for Hydrographic Surveys</i>	--	5 – Feb 2008	See HSSC7-03C	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-7	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	Revised version in prep. and in force date to be decided HSSC7-05.3A	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	HSSC7-05.2A	Not planned	1.1.1 – Apr 2012 Not planned	Not planned
S-64	<i>IHO Test Data Sets for ECDIS</i>	ENCWG	3.0.1 – June 2015		Not planned	TBD ⁵	TBD ⁵

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

Number	Title	Responsibility ¹	English Current Edition - Date	Submitted / referred to HSSC-7	English Next Edition	French Current Edition - Date	Spanish Current Edition - Date
S-65	<i>ENC Production Guidance</i>	ENCWG	2.0.0 – Apr 2012		Not planned	2.0.0 – Apr 2012	Not planned
S-66	<i>Facts about Electronic Charts and Carriage Requirements</i>	HSSC S-66 Project Team	1.0.0 – Jan 2010	HSSC7-05.4A	1.1.0 – 2015?	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	HSSC7-05.1A	1.1.1 – 2016	TBD ⁶	Not planned
S-100	<i>IHO Universal Hydrographic Data Model</i>	S-100WG	2.0.0 – Jun 2015			Not planned	Not planned
S-101	<i>ENC Product Specification</i>	S-100WG	--	HSSC7-05.1A	1.0.0 – 2015	--	--
S-102	<i>Bathymetric Surface Product Specification</i>	S-100WG	1.0.0 – Apr 2012	Preparation of new edition for HSSC8 HSSC7-05.1A	2.0.0 – 2016	Not planned	Not planned
S-103	<i>Sub-surface Navigation</i>	TBD					
S-111	<i>Surface currents</i>	TWCWG		HSSC7-05.8A	2017		
S-112	<i>Real-time tidal data</i>	TWCWG		HSSC7-05.8A	2017		
S-121	<i>Maritime limits and boundaries</i>	TBD		HSSC7-06.1B	TBD?		
S-122	<i>Marine Protected Areas</i>	NIPWG		HSSC7-05.5A	1.0.0 – 2016/17		
S-123	<i>Radio Services</i>	NIPWG		HSSC7-05.5A	2017?		
S-124	<i>Navigational warnings</i>	WWNWS		HSSC7-05.5A	2017?		
S-125	<i>Navigational services</i>	NIPWG		HSSC7-05.5A	2017?		
S-126	<i>Physical Environment</i>	NIPWG		HSSC7-05.5A	2017?		
S-127	<i>Traffic Management</i>	NIPWG		HSSC7-05.5A	2017?		

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-7	English Next Edition	French Current Edition - Date	Spanish Current Edition - Date
S-128	<i>Catalogue of Nautical Products</i>	NIPWG		HSSC7-05.5A	?		
S-12x	<i>Marine Services</i>	NIPWG		HSSC7-05.5A	?		
S-1x	<i>Digital Mariner Routeing Guide</i>	NIPWG		HSSC7-05.5A	?		
S-1x	<i>Harbour Infrastructure</i>	NIPWG		HSSC7-05.5A	?		
S-1x	<i>(Social/Political)</i>	NIPWG		HSSC7-05.5A	?		
S-xx	<i>Digital Tide Tables</i>	TWCWG		HSSC7-05.8A	2016		
S-411	<i>Sea-Ice</i>	WMO-IOC JCOMM Expert Team on Sea Ice	1.1.0 Jun 2014	HSSC7-07.10A	Not planned		
S-412	<i>Met Ocean Forecasts</i>	NOAA/NWS	Draft May 2014	HSSC7-07.10A			
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	HSSC7-06.1A	2016?	2 – 1993 Not planned	4 – Mar 2006 Not planned
M-3	<i>Relevant Resolutions</i>	All	Ed. 2, 2010, updated to July 2015		Not planned	Ed. 2, 2010, updated to July 2015	Ed. 2, 2010, updated to July 2015