

**6<sup>TH</sup> MEETING OF THE HYDROGRAPHIC SERVICES AND STANDARDS COMMITTEE  
Viña del Mar, Chile, 11-14 November 2014**

**Paper for Consideration by HSSC**

**Status Report on IHO Publications on Standards, Specifications and Guidelines**

<b>Submitted by:</b>	IHB
<b>Executive summary:</b>	This document provides a brief description of the status of all IHO publications on standards, specifications and guidelines, under HSSC responsibility, as of October 2014. Following the EIHC-5 discussions, a translation plan of these documents in both official languages is given for the initial consideration of HSSC Members.
<b>Related Documents:</b>	Docs. IHO Resolution 2/2007 as amended; Docs. EIHC-5 CONF.EX5/REP.02, Appendix 2. IHO Resolution 12/1962 as amended (in progress).
<b>Related Projects</b>	None.

### **Background**

1. As in previous years, a report on the current status of IHO publications under HSSC's responsibility is provided to HSSC-6, 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. Since HSSC-5 in November 2013, the following new editions, highlighted in **green** in Annex A, have been published in English only (unless otherwise noted):

- *S-4 Regulations for INT Charts and IHO Chart Specifications*
  - Edition 4.5.0 - October 2014:
- *S-11 Part B Catalogue of INT Charts [English/French]:*
  - Introduction - Edition 2.0.5 - November 2013
  - Region B - Meso-America & Caribbean Sea - Edition 2.0.4 - November 2013
  - Region C1- SW Atlantic - Edition 2.0.5 - February 2014
  - Region C2- SE Pacific - Edition 2.0.5 - December 2013
  - Region D - NE Atlantic - Edition 2.0.5 - February 2014
  - Region E - Baltic Sea - Edition 2.0.6 - December 2013
  - Region G - E Atlantic - Edition 2.0.5 - September 2014
  - Region H - SE Atlantic & SW Indian Ocean - Edition 2.0.7 - February 2014
  - Region I - NW Indian Ocean - Edition 2.0.8 - November 2013
  - Region J - N Indian Ocean - Edition 2.0.5 - February 2014
  - Region M - Southern Ocean - Edition 2.0.7 - June 2014
  - Annexes - Edition 2.0.4 - November 2013

- *S-52 Specifications for Chart Content and Display Aspects of ECDIS*:
  - Edition 6.1.0 – October 2014 (release date to be decided)
- *S-52 Annex A IHO ECDIS Presentation Library*:
  - Edition 4.0.0 – October 2014 (release date to be decided)
- *S-57 Supplementary Information for the Encoding of S-57 Edition 3.1 ENC Data*
  - Supplement 3 – June 2014
- *S-57 Appendix B.1 Annex A Use of the Object Catalogue for ENC (UOC)*
  - Edition 4.0.0 – June 2014
- *S-58 ENC Validation Checks*
  - Edition 5.0.0 – June 2014 (in force date to be decided and aligned with new editions of S-64 and S-52)
- *S-64 IHO Test Data Sets for ECDIS*
  - Edition 3.0.0 – October 2014<sup>1</sup> (release date to be decided)
- *C-51 A Manual on Technical Aspects of the United Nations Convention on the Law of the Sea 1982*
  - Edition 5.0.0 – June 2014

3. The following new editions [English] are being submitted to HSSC-6 for endorsement, prior to being forwarded to Member States for approval:

- *S-100 IHO Universal Hydrographic Data Model*
  - Draft Edition 2.0.0
- *S-101 ENC Product Specification*
  - Draft Edition 1.0.0

4. The following publications are being considered for revision:

- *S-66 Facts about Electronic Charts and Carriage Requirements*
- *S-99 Operational Procedures for the Organization and Management of the S-100 Geospatial Information Registry [English]*<sup>2</sup>

5. Information on possible future editions to be considered by HSSC-6 has been included in the table at Annex A, mainly taken from the work plans contained in WG Chairs' reports. Preliminary proposals on 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 initial consideration (highlighted in yellow).

### **Recommendations**

6. Based on the above analysis, it is recommended to:

- a. Review the information in the “English – Next Edition” column of the table in Annex A and consider whether any adjustment is needed regarding the next edition dates.

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<sup>1</sup> Final version not available at 21 Oct. 2014.

<sup>2</sup> To be confirmed.

- b. Consider possible requirements and contributions for translation in French and/or Spanish.

**Action required of HSSC**

7. The HSSC is invited to:
  - a. **note** this report;
  - b. **consider** the recommendations in paragraph 6, and
  - c. **take** any action as appropriate.

## Annex A

**IHO Publications under HSSC responsibility or supervision**  
**Summary of Status (as at 21 Oct. 2014)**

- 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.  
 c) **New** Editions or Publications since HSSC-5.  
 d) Highlighted in **yellow**: suggestions or proposals to be considered at HSSC-6.

Number	Title	Responsibility <sup>3</sup>	English Current Edition - Date	Submitted / referred to HSSC-6	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>	CSPCWG	4.5.0 - Oct 2014		--	4.4.0 – Sep. 2013 NE planned (FR)	-- TBD
INT 1	<i>Symbols, Abbreviations and Terms used on Charts</i>	CSPCWG	7 – Jan 2011	HSSC6-05.5B	8 – 2015/16?	5 – Jan 2012	4- Dec 2011
INT 2	<i>Borders, Graduations, Grids and Linear Scales</i>	CSPCWG	4 - 2007 <sup>4</sup>		Not planned	4 - 2007 <sup>4</sup>	4 - 2007 <sup>4</sup>
INT 3	<i>Use of Symbols and Abbreviations</i>	CSPCWG	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>	CSPCWG	2.0.5 – May 2012		2015?	2.0.5 – May 2012	-- TBD
S-11 Part B	<i>Catalogue of INT Charts - Introduction</i>	CSPCWG	2.0.5 – Nov 2013		--	2.0.5 – Nov 2013	--

<sup>3</sup> In accordance with the current structure of HSSC WGs.

<sup>4</sup> Trilingual Publication.

Number	Title	Responsibility <sup>3</sup>	English Current Edition - Date	Submitted / referred to HSSC-6	English Next Edition	French Current Edition - Date	Spanish Current Edition - Date
S-12	<i>Standardization of List of Lights and Fog Signals</i>	TDB	1 – Jun 2004	HSSC6-05.4B	TBD	1 – Jun 2004	--
S-32	<i>Hydrographic Dictionary</i>	HDWG	5 - 1994		Not planned <sup>5</sup>	5 - 1998	5 - 1996
S-32 App. 1	<i>Glossary of ECDIS-Related Terms</i>	HDWG	Sep 2007 <sup>6</sup>		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>	TBD	5 – Feb 2008		Not planned	5 – Feb 2008 (rev 5.0.1 – Jun 2011)	5 – Feb 2008
S-49	<i>Standardization of Mariners' Routeing Guides</i>	CSPCWG	2.0 – Apr 2010		Not planned	Not planned	Not planned
S-52	<i>Specifications for Chart Content and Display Aspects of ECDIS</i>	DIPWG	6.1.0 – Oct 2014		Not planned	Not planned	Not planned
S-52 Annex A	<i>IHO ECDIS Presentation Library</i>	DIPWG	4.0.0 – Oct 2014		Not planned	Not planned	Not planned
S-52 App. 1	<i>Guidance on Updating the ENC</i>	TBD	4.0.0 – Apr 2012		Not planned	Not planned	Not planned
S-57	<i>IHO Transfer Standard for Digital Hydrographic Data</i>	TSMAD	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>	TSMAD	Suppl 3 – Jun 2014		--	Not planned	Not planned

<sup>5</sup> 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.

<sup>6</sup> S-32 App. 1 will be removed from the web after inclusion of the terms in S-32 online.

Number	Title	Responsibility <sup>3</sup>	English Current Edition - Date	Submitted / referred to HSSC-6	English Next Edition	French Current Edition - Date	Spanish Current Edition - Date
S-57 App. B.1	<i>ENC Product Specification</i>	TSMAD	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>	TSMAD	4.0.0 – Jun 2014		--	Not planned	Not planned
S-58	<i>ENC Validation Checks</i>	TSMAD	5.0.0 – Jun 2014	In force date to be decided and aligned with S-64 and S-52	--	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>	TSMAD	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	1.1.1 – Apr 2012		2015?	1.1.1 – Apr 2012 Not planned for Guidance for OEMs	Not planned
S-64	<i>IHO Test Data Sets for ECDIS</i>	TSMAD	3.0.0 – Oct 2014?		--	TBD <sup>7</sup>	TBD <sup>7</sup>
S-65	<i>ENC Production Guidance</i>	TSMAD	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		1.1.0 - 2015?	Planned	1.0.0 – Jan 2010

<sup>7</sup> Consider developing a trilingual version (EN/FR/SP) of the introductory section.

Number	Title	Responsibility <sup>3</sup>	English Current Edition - Date	Submitted / referred to HSSC-6	English Next Edition	French Current Edition - Date	Spanish Current Edition - Date
S-99	<i>Operational Procedures for the Organization and Management of the S-100 Geospatial Information Registry</i>	TSMAD	1.1.0 – Nov 2012	Insertion of new clause 6	1.1.1 – Jan 2015?	TBD <sup>8</sup>	Not planned
S-100	<i>IHO Universal Hydrographic Data Model</i>	TSMAD	1.0.0 – Jan 2010		2.0.0 – Jan 2015	Not planned	Not planned
S-101	<i>ENC Product Specification</i>	TSMAD	--		1.0.0 – 2015	--	--
S-102	<i>Bathymetric Surface Product Specification</i>	TSMAD	1.0.0 – Apr 2012	Preparation of new edition	2.0.0 – 2015?	Not planned	Not planned
S-103	<i>Sub-surface Navigation</i>	TBD					
S-111	<i>Surface currents</i>	TBD					
S-121	<i>Maritime limits and boundaries</i>	TBD					
S-122	<i>Marine Protected Areas</i>	SNPWG/TBD		HSSC6-05.4A	1.0.0 – 2015/16?		
S-123	<i>Radio Services</i>	SNPWG/TBD		HSSC6-05.4A	1.0.0 – 2015/16?		
S-124	<i>Navigational warnings</i>	SNPWG/WWNWS /TBD		HSSC6-05.4A	2017?		
S-125	<i>Navigational services</i>	SNPWG/TBD		HSSC6-05.4A	1.0.0 – 2015/16?		
S-126	<i>Physical Environment</i>	SNPWG/TBD		HSSC6-05.4A	1.0.0 – 2015/16?		
S-127	<i>Traffic Management</i>	SNPWG/TBD		HSSC6-05.4A	1.0.0 – 2015/16?		
S-1x	<i>Marine Services</i>	TBD		HSSC6-05.4A			

<sup>8</sup> To be considered with the development of a bilingual version (EN/FR) of the S-100 GI Registry.

Number	Title	Responsibility <sup>3</sup>	English Current Edition - Date	Submitted / referred to HSSC-6	English Next Edition	French Current Edition - Date	Spanish Current Edition - Date
S-1x	<i>Digital Mariner Routeing Guide</i>	TBD		HSSC6-05.4A			
S-1x	<i>Harbour Infrastructure</i>	TBD		HSSC6-05.4A			
S-1x	<i>(Social/Political)</i>	TBD		HSSC6-05.4A			
S-xx	<i>Digital Tide Tables</i>	TWLWG		HSSC6-05.8A	2015?		
S-411	<i>Sea-Ice</i>	WMO-IOC JCOMM Expert Team on Sea Ice	1.1.0 Jun 2014	HSSC6-07.9A			
S-412	<i>Met Ocean Forecasts</i>	NOAA/NWS	Draft May 2014	HSSC6-07.9B			
C-17	<i>Spatial Data Infrastructures: "The Marine Dimension" – Guidance for Hydrographic Offices</i>	MSDIWG. Transfer to IRCC	1.1.0 – Feb 2011	HSSC6-05.7A	Oct. 2015?	--	--
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		--	2 – 1993 Not planned	4 – Mar 2006 ?
M-3	<i>Relevant Resolutions</i>	All	Ed. 2, 2010, updated June 2014			Ed. 2, 2010, updated June 2014	Ed. 2, 2010, updated June 2014