

**8th CSPCWG Meeting
Turku, Finland, 29 November – 2 December 2011**

**Relevant extracts from the
ANNUAL REPORT OF THE IHO FOR 2010
(Ref: IHO CL 31/2011)**

**1. MEETINGS OF SUBORDINATE SUB-COMMITTEES AND
WORKING GROUPS (ELEMENT 2.1)**

**1.3 CHART STANDARDIZATION AND PAPER CHART WORKING GROUP
(TASK 2.1.3)**

The Chart Standardization and Paper Chart Working Group (CSPCWG) met in Simon's Town, South Africa under the chairmanship of Mr. Peter JONES (UK) from 23-26 November. The record of the meeting is available on the IHO website. CSPCWG continued to receive active support from more than 20 IHO Member States. Additionally, two industry representatives (from Jeppesen C-Map and ESRI) joined the WG as expert contributors. The WG maintained its previous high level of activity of reviewing the IHO standards for which it is responsible. Work in 2010 included:

- A new edition of S-11 Part A - *Guidance for the Preparation and Maintenance of International Chart Schemes and Catalogue of International (INT) Charts*, that included the model Terms of Reference and Rules of Procedure for the International Charting Coordination WG.
- A completely revised edition 2.0 of IHO Publication S-49 - *Standardization of Mariners' Routeing Guides*.
- A new edition 4.000 of S-4 - *Chart Specifications of the IHO and Regulations for International (INT) Charts* that included a completely new section B-600. This was the culmination of thorough consultation over a long period and provides the international hydrographic community with completely new and detailed guidance on Chart Maintenance and the NM System.

The CSPCWG INT 1 sub-WG met in Cadiz, Spain in June principally to resolve differences between the three official language INT1 versions and S-4, in preparation for a round of new editions of INT1 planned for 2011.

Significant subjects discussed during 2010 included potential new symbols for Virtual Aids to Navigation and a resolution of problems caused by different understandings and associations of the word 'Foul'. Outcomes have since been reported or proposed to IHO Member States.

3. NAUTICAL CARTOGRAPHY (ELEMENT 2.3)

3.1 NAUTICAL PUBLICATIONS **(TASK 2.3.1)**

S-4 – IHO Chart Specifications

As indicated elsewhere in this report, the CSPCWG continued its review of Part B of S-4. A new section, B-600, on the subject of Chart Maintenance, was approved by Member States (see CL 49). A new edition 4.000 of S-4 was published in September. See also § 1.3.

S-11 – Guidance for the Preparation of International Chart Schemes and Catalogue of INT Charts

A new edition 2.003 of S-11 Part A, which included generic terms of reference and rules of procedure for International Charting Coordination Working Groups (ICCWG), was approved by Member States (see CL 23) and published in March.

S-11 Part B – the catalogue of INT charts - is permanently maintained by the IHB in liaison with the 14 regional coordinators of INT chart schemes. Significant re-scheming and/or addition of charts occurred in INT Regions B (Baltic Sea) and K (E. Asia & NW Pac. Ocean), under the coordination of Finland and Japan, respectively. 105 new INT charts have been added to the schemes, including 54 for Region E and 19 for Region K. In total, 192 new INT charts were published during the year, including 44 in Region E and 95 in Region K. The status of INT chart series at the end of 2010 is shown in a table at Appendix V.

S-49- Recommendations Concerning Mariners' Routeing Guides

A new edition 2.0 of S-49, prepared by the CSPCWG, was approved by Member States (see CL 33) and published in April.

S-52 – Specifications for Chart Content and Display Aspects of ECDIS

A new edition 6.0 of S-52, prepared by the DIPWG and amalgamating the former main document of S-52 and its Appendix 2 (display specifications), was approved by Member States (see CL 24) and published in March.

S-65 - ENC Production Guidance

A new edition 1.2 of S-65 was approved by Member States (see CL 13) and published in February. It included a revised list of “*Specific SCAMIN Step Values for Object and Attribute Combinations*” (Appendix 1 of Annex A), prepared by TSMAD, and “*Guidelines for encoding Temporary and Preliminary ENC updates*” (Annex B), prepared by the EUWG.

S-66 - Facts about Electronic Charts and Carriage Requirements

Edition 1.0.0 of S-66 was published in January (see CL 5). Versions in Spanish, Portuguese and Japanese have also been produced and are available from the IHO website.

S-99 - Operational Procedures for the Organization and Management of the S-100 Geospatial Information Registry

S-99 is the new IHO standard prepared by TSMAD that describes the roles, responsibilities and procedures for operating and managing the S-100 GI Registry and its component registers. A draft was submitted to, and endorsed by HSSC in October. It was proposed to Member States for approval in November (See CL 70).

S-100 – The Universal Hydrographic Data Model

Edition 1.0.0 of S-100 was adopted by Member States as an active standard (see CL 83/2009), and published in January.

3.5 INT CHART SERIES **(TASK 2.3.5)**

The number of INT charts included in the various regional INT chart schemes, as well as the number of INT charts actually produced by Member States, increased significantly in 2010, as reflected in the table at § 3.1 (S-11).

Appendix V

Status of INT chart series at the end of 2010

Region	Coordinator	Commission/Committee	Scheduled	Published	Reprinted by other MS
1 :10 Million			30	27	19
A (NW Atl. & NE Pac. Oceans)	USA/NOS	US/CHC	≥16	16	16
B (Meso-America & Caribb. Sea)	Brazil	MACHC	70	20	4
C1 (SW Atl. Ocean)	Brazil	SWAtHC	51	22	4
C2 (SE Pac. Ocean)	Chile	SEPHC	44	6	2
D (North Sea)	United Kingdom	NSHC & NHC	221	211	146
E (Baltic Sea)	Finland	BSICC/BSHC	284	247	111
F (Med. & Black Seas)	France	MEDINTCHART/MBSHC	241	166	98
G (East Atl. Ocean)	France	CHATINTCHART/EAtHC	170	112	63
H (SE Atl. & SW Ind. Oceans)	South Africa	SAIHC	110	68	47
I (NW Ind. Ocean)	Iran	RSAHC	111	45	7
J (North Ind. Ocean)	India	NIOHC	140	89	9
K (E. Asia & NW Pac. Ocean)	Japan	EAHC	310	175	17
L (SE Ind. & SW Pac. Oceans)	Australia	SWPHC	62	56	41
M (Southern Ocean)	IHB	HCA	103	63	13
TOTAL			1963	1323	597