

1st IHO-HSSC Meeting
The Regent Hotel, Singapore, 22-24 October 2009

Report to HSSC1 of CSPCWG

(Chart Standardization and Paper Chart Working Group)

Submitted by: Chairman, CSPCWG

Related Documents: IHO Circular Letter 37/2009 (1st Meeting of the HSSC)

Related Projects: not applicable

Chair: Peter Jones, UK

Vice Chair: Jeff Wootton, Australia

Secretary: Andrew Heath-Coleman, UK

Member States:

Australia, Brazil, Canada, Chile, Colombia, Croatia, Cuba, Denmark, Finland, France, Germany, Greece, India, Indonesia, Italy, Japan, Netherlands, New Zealand, Norway, Pakistan, Russia, South Africa, Spain, Sweden, Ukraine, UK, USA (=27).

Expert Contributor Organisations: M Huet, IHB

See Annex A for full details of membership

1. Meetings

- 1.1 CSPCWG5, 18-21 November 2008, held in Sydney, Australia.
- 1.2 Planned CSPCWG6, 1-3 December 2009, to be held at IHB, Monaco.

2. Work Programme

2.1 The programme is based on the priorities assigned within the detailed Work Plan (Annex B refers). Since CHRIS20, the principal activities have been:

2.1.1 S-4 (formerly designated M-4) Chart Specifications of the IHO and Regulations for International (INT) Charts:

- Edition 3.006, published April 2009, included fully revised sections of B-450 to B-479 and other approved changes as follows:

(Part B = IHO Chart Specifications for national and INT medium- and large-scales):

- B-312.4 Revised specification for charting mangroves (IHO CL 71/2008 & 20/2009).
- B-412 Clarification of Rounding Rules for soundings and drying heights (IHO CL 20/2009)
- B-434 Additional paragraph on term 'Recommended' (IHO CL 71/2008 & 20/2009)
- B-450 to B-479 Revision covers aids to navigation: fog signals, beacons, buoys and lights. (IHO CL 71/2008 & 20/2009).
- Part B: fully revised sections B-480 to B-499 drafted covering Radio/Radar Aids, Marine Services and Signal Stations distributed to IHO Member States for approval (IHO CL55/2009 requires MS responses by 5 November 09).
 - Part B: a new section B-600 on 'chart maintenance' is in preparation and has reached its 3rd round of consultation within CSPCWG.

2.1.2 INT 1, INT 2 & INT 3:

- INT 1 subWG consists of WG members DE, ES and FR + Secretary. On-going detailed correspondence is principally concerned with:
 - whether any differences in symbols between versions could be confusing to the chart user
 - possible transfer of 'aquaculture' symbols to section L
 - possible removal of sections G and O, being replaced by an extended index/translation of terms section.

Summary conclusions will be presented to CSPCWG6, December 09.

- Current editions available on IHO website:
 - French language version of INT 1 published by France 2006
 - Spanish language version of INT 1 published by Spain December 2007
 - English language version of INT 1 published by Germany January 2008
 - Trilingual version of INT 2 published by Netherlands 2007
 - English language version of INT 3 published by UK December 2005.

2.1.3 Chart specifications, symbols and abbreviations:

- The following new and revised specifications are currently under consultation within CSPCWG:
 - B-381 Revised specification for bridges (showing bridge supports and bathymetry under bridges)
 - B-418 New symbol proposal for unsurveyed areas
 - B-443.8/444.5 New symbol proposal for pipeline tunnel entrance
 - B-445.2 New specification for platform with superstructure removed
 - B-445.12 New symbol and specification for wave energy devices
 - B-447.4 New symbol proposal for shellfish beds
 - B-471.8c Use of abbreviation FFI (Fixed and Flashing) light.

2.1.4 S-49 Recommendations concerning Mariners' Routing Guides:

A completely revised version of the former S.P. No 49 has been prepared by the S-49 subWG, under the leadership of Germany. To be submitted for MS approval late 2009.

2.1.5 M-15 List of Booklets on Chart Symbols and Abbreviations Published by Various Maritime Countries

Following a review of its utility and value, M-15 has been discontinued (IHO CL 105/2008 & 23/2009).

2.1.6 Provision of Advice:

Chairman and Secretary continue to provide responses to a variety of miscellaneous enquirers, including requests for advice from regional INT Chart coordinators and RHCs.

3. Progress on CHRIS20 Action Items

3.1 CHRIS Action 20/23: Chair of CSPCWG to develop ToR / RoP for INT Chart Coordinators. Consequently:

Meeting CSPCWG5 agreed to add development of ToR/RoP for INT Chart Coordinators to the CSPCWG Work Plan (Item B2) as high priority. A draft ToR/RoP document was prepared and distributed to Chairman of RCG for comment, 23 July 2009. The result of this consultation process is the paper at HSSC1-06.5B.

3.2 CHRIS Action 20/24: Chair of CSPCWG to develop guidelines for preparation & maintenance of small / medium scale ENC schemes. Consequently:

Meeting CSPCWG5 agreed to add development of guidelines for preparation & maintenance of small / medium scale ENC schemes to the CSPCWG Work Plan (Item B3) as medium priority. Unfortunately, no progress has been made to date on this work item.

4. Problems Encountered

4.1 Ongoing resource stretch at participating HOs and IHB, including:

- Timely translation of S-4 revisions into French and Spanish
- Failure in communications with Cuban representative.

5. Any Other Items of Note

5.1 Progress on the revision of S-4 Part B Section 400 is time-consuming due to the detailed nature of the specifications. 3 or 4 iterations of revised drafts are proving to be necessary. UK commits significant resource to support this activity, as do participating HOs in their detailed review of draft technical papers.

5.2 The volume of detailed input to CSPCWG's work is extensive and thanks are recorded to all contributor MS' representatives. Typically, 15 MS actively participate in the WG's deliberations. 12 MS (+IHB) attended CSPCWG5 in Australia and a similar number are expected to attend CSPCWG6, in Monaco December 09 – CSPCWG members are encouraged to attend.

5.3 Additionally, valuable advice is provided by CSMWG and TSMAD Chairs on request, enhancing the collaboration between the WGs. AU's representative (Jeff Wootton) has also been invaluable in providing perspectives across the three WGs and in advising on the consequences of decisions for each.

6. Conclusions and Recommended Actions

- 6.1 HSSC1 is invited to endorse the continued activity of CSPCWG.
- 6.2 CSPCWG's Work Plan was formally reviewed in detail at CSPCWG5, November 2008. An updated version is at Annex B. Following any direction or guidance from HSSC1, this will be subject to further review and revision at CSPCWG6, December 2009.

7. Justification and Impacts

- 7.1 Justification for the continued activity of CSPCWG is to fulfil the remit of its Terms of Reference which includes:
- Improving the standardization and currency of paper nautical charts;
 - Improving the guidance provided to nautical chart compilers, whatever the product's format, including support for 'Capacity Building';
 - Improving the interface and, where feasible, commonality of presentation between paper and digital chart products, whilst acknowledging their inherent differences.
- 7.2 The principal impact is the resource commitments of participating HOs.

8. Action Required of HSSC

- 8.1 The HSSC is invited to:
- Note this report.
 - Endorse the Work Plan at Annex B.

ANNEX A

MEMBERSHIP OF CSPCWG
(Updated 26 August 2009)

Member State	Name	Email
Australia	Mr Jeff WOOTTON (Vice-Chairman)	jeff.wootton@defence.gov.au
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* The representative for Croatia has left the Croatian HO. A new representative has not yet been appointed.

**Email communication with the Cuban representative is no longer functioning and efforts to re-establish contact have so far failed.

CSPCWG Work Plan

(updated for HSSC1 – July 2009)

- *Objectives, Tasks and Work Items are pursued in accordance with IHO Work Programme 2008-2012, Programme 3 (Techniques and Standards Coordination and Support):*
 - *Element 3.1 Meetings of Working Groups:*
 - *Task 3.1.3 Chart Standardization and Paper Chart Working Group*
 - *Element 3.3 Nautical Cartography. In particular:*
 - *Task 3.3.1 Nautical publications*
 - *Task 3.3.5 INT Chart Series*
- *The focus is on maintaining and enhancing the cartographic standards in paper charts to suit the needs of the modern mariner in support of safe navigation, whilst drawing together, wherever possible, common issues of paper/electronic charting.*
- *As a Plan it will and should evolve; accordingly, contributions from WG members and others are welcomed at any time.*

CSPCWG Tasks

- A *Revise, develop and maintain Publication S-4 'Chart Specifications of the IHO & Regulations of the IHO for INT Charts' (IHO T3.3.1 refers)*
- B *Revise, develop and maintain Publication S-11 'Catalogue of INT Charts' Part A maintained by CSPCWG (IHO T3.3.1 refers)*
- D *Development of new (and revised) symbology*
- E *Maintenance of S-4 supplementary publications INT 1, 2 & 3 (IHO T3.3.1 refers)*
- F *Revise, develop and maintain S-49 'Recommendations concerning Mariners' Routing Guides'*
- G *Publication M-15 'List of Booklets on Chart Symbols & Abbreviations' (IHO T3.1.3 refers). Now discontinued – IHO CL23/2009 refers*
- H *Review selected Technical Resolutions from Publication M-3 'Technical and Administrative Resolutions' – Task completed*

Task	Work item	Priority H-high M-medium L-low	Next Milestone	Start Date	End Date	Status P-Planned O-Ongoing C-Completed	Contact Person(s)	Affected Pubs/Standard	Remarks
A.4	Revise M-4 Part B Section 400	H	Revise and publish	2005	2009	O	Sec CSPCWG	M-4 / B-400	B-400 divided into sub-sections for manageability.
A.4.4.1	Sub-section B-450 to B-479	H		2007	2009	C	Sec CSPCWG	M-4 / B-400	Included in M-4 3.006
A.4.4.2	Sub-section B-480 to B-499	H	IHO CL55/2009 responses due 5/11/09	2008	2009	O	Sec CSPCWG	M-4 / B-400	CSPCWG consultation completed, IHO CL55/2009 to MS
A.5	Revise M-4 Part B Section 300	L	Completion of A.8			P	Sec CSPCWG	M-4 / B-300	Start after A.8 completed
A.6	Revise M-4 Part B Section 500	L	Completion of A.5			P	Sec CSPCWG	M-4 / B-500	Start after A.5
A.8	New specification for Chart Maintenance Section B-600	M	Round 3 responses	2006	2009	O	Sec CSPCWG	M-4 / B-600	Round 3 with WG
B.2	Develop ToR / RoP for INT Chart Coordinators	H	Approval of HSSC	2009	2009	P	Chair CSPCWG	M-11 Part A	CHRIS Action 20/23. See HSSC1-06.5B
B.3	Develop guidelines for preparation & maintenance of small / medium scale ENC schemes.	M		2009	2010	P	Chair CSPCWG	M-11 / S-65?	CHRIS Action 20/24
D.9	Develop new symbol for synchronized and sequential lights	M		2005	2009	C	Sec CSPCWG	M-4, INT 1	Included in M-4 3.006
D.13	Mangroves	M		2006	2009	C	Sec CSPCWG	M-4, INT 1	Included in M-4 3.006
D.14	Bridges (especially supports)	H	IHO CL for MS	2008	2010	O	Sec CSPCWG	M-4	WG Ltr 07/09 refers
D.15	Pipeline tunnel entrance	M	IHO CL for MS	2008	2010	O	Sec CSPCWG	M-4, INT 1	WG Ltr 07/09 refers
D.16	Wave energy devices	M	IHO CL for MS	2008	2010	O	Sec CSPCWG	M-4, INT 1	WG Ltr 07/09 refers
D.17	Unsurveyed areas	M	IHO CL for MS	2008	2010	O	Sec CSPCWG	M-4, INT 1	WG Ltr 07/09 refers
D.18	Platform with superstructure removed	M	IHO CL for MS	2008	2010	O	Sec CSPCWG	M-4, INT 1	WG Ltr 07/09 refers
D.19	Shellfish beds	M	IHO CL for MS	2008	2010	O	Sec CSPCWG	M-4, INT 1	WG Ltr 07/09 refers

E.1	Maintain official INT 1s	n/a	Next round of revisions to be considered after pub of B450-479:			P	FR: Y Le Franc ES: J Millan DE: S Spohn	INT 1	French version 2006 (plan 2010) Spanish version 2007 English version 2008
E.4	Symbols for vacant entries in INT 1	L	Review when revision of M-4 completed			P	Sec CSPCWG	INT 1, M-4 part B	
E.5	Small craft symbols	L				P	Sec CSPCWG	INT 1, M-4 part B	Agenda CSPCWG 6
E.7	Review terms in INT1 for consistency with M-4	L				C	Sec CSPCWG & INT1 subWG		Selected review conducted, concluding no significant issue.
E.8	Move part of INT1 K into L	L	Consider when next new editions of INT1 are prepared			P	INT1 subWG		CSPCWG4 Action 33. subWG consultation in progress.
F.1	Review S-49	M	IHO CL for MS	2008	2009	O	DE (J Schröder-Fürstenberg)	S-49	Circulated to WG for approval Ltr 06/09 refers
G.1	Review M-15 for NE or withdrawal	L		2008	2009	C	IHB (M Huet)	M-15	M-15 discontinued, IHO CL 23/2009

CSPCWG Meetings (IHO T3.1.3 refers)

Date	Location	Activity
03-05 Nov 04	IHB, Monaco	CSPCWG 1
19-21 Oct 05	IHB, Monaco	CSPCWG 2
22-24 Nov 06	IHB, Monaco	CSPCWG 3
13-15 Nov 07	IHB, Monaco	CSPCWG 4
18-21 Nov 08	Sydney, Australia	CSPCWG 5
1-3 Dec 09	IHB, Monaco	CSPCWG 6

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