

3RD MEETING OF THE HYDROGRAPHIC SERVICES AND STANDARDS COMMITTEE  
IHB, Monaco, 8-10 November 2011  
(Chair Group Meeting on 7 November p.m.)

**Report to HSSC3 of CSPCWG**  
**(Chart Standardization and Paper Chart Working Group)**

**Submitted by:** Chairman, CSPCWG  
**Related Documents:** IHO Circular Letter 27/2011 (3rd 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, Denmark, Finland, France, Germany, Greece, India, Indonesia, Italy, Japan, Korea (Rep of), Latvia, Netherlands, New Zealand, Norway, Pakistan, Russia, South Africa, Spain, Sweden, Ukraine, UK, USA (=27).  
**Expert Contributor** M Huet, IHB  
**Organisations:** ESRI, Jeppesen

*See Annex A for full details of membership*

**1. Meetings**

- 1.1 CSPCWG7, 23-26 November 2010, held in Simon's Town, South Africa.
- 1.2 Planned CSPCWG8, 29 November – 2 December 2011, to be held in Turku, Finland.

**2. Work Programme**

The programme is based on the priorities assigned within the detailed Work Plan (Annex B refers). Since HSSC2, the principal activities have been:

2.1 S-4 Chart Specifications of the IHO and Regulations for International (INT) Charts:

Edition 4.1.0, published February 2011, principally to include new or revised specifications for: yacht berths, yacht club, visitors berth, visitors mooring, caravan and camping sites, Chart Accuracy note, oscillating lights, floating wind turbines, intervals between symbols in area limits, size and displacement of symbols, floating waste bins, sub-surface ODAS instruments, virtual aids to navigation.

Edition 4.2.0, published August 2011, principally to include revised specifications for charting foul areas and areas of foul ground (IHO CLs 2/2011 and 32/2011 refer). Also includes removal of duplicated guidance in A-401 and B-128, since publication of new section B-600 in 2010.

Section B-300 (Topography) is currently under revision.

## 2.2 INT 1, INT 2 & INT 3:

- There are three official language versions of INT1. A new edition (7) of the English language version was published by Germany in January 2011. New editions of the French and Spanish language versions are planned for late 2011.
- There are no current plans for a new edition of INT2.
- A new edition of INT3 is in preparation in UK.

## 2.3 Chart specifications, symbols and abbreviations:

- The following new and revised symbols and specifications are currently under consideration by CSPCWG:
  - Updating of Source and ZOC diagrams.
  - Use of generic light flares on multicoloured charts
  - Charting of:
    - historic wrecks.
    - alongside obstructions at berths
    - disused lighthouses
    - diving prohibited areas
    - remotely sensed shoal areas
    - development dredging
    - orange and amber lights

## 2.4 Other publications:

There are no plans for revisions to S-11 Part A and S-49 at present.

## 3. **Progress on HSSC Action Items**

HSSC Action 2/15: **All HSSC working groups** should review relevant documents, as opportunity arises, to ensure that they only refer to S-32 and the relevant definition itself and should not make any cross-reference to the old “index” numbers that appeared in the printed versions of S-32.

S-4 only refers to S-32, not to old ‘index’ numbers. S-11 Part A and S-49 have no references to S-32.

## 4. **Problems Encountered**

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

- developing guidelines for preparation & maintenance of small / medium scale ENC schemes (see Annex B item B3).

Unfortunately, little progress has been made on this work item.

## 5. **Any Other Items of Note**

- 5.1 The volume of detailed input to CSPCWG's work is extensive and thanks are recorded to all contributor MS' representatives. Typically, 20 or more MS actively participate in the WG's deliberations. 15 MS, 2 industry representatives and Professional Assistant from IHB attended CSPCWG7 in South Africa.
- 5.2 Additionally, valuable advice is provided by DIPWG 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.
- 5.3 Chairman and Secretary continue to provide responses to a variety of miscellaneous enquirers. This includes providing advice to ICCWG/RCG coordinators and to individual MS on charting matters and the application of IHO specifications and standards.

## **6. Conclusions and Recommended Actions**

- 6.1 HSSC3 is invited to endorse the continued activity of CSPCWG.
- 6.2 CSPCWG's Work Plan was formally reviewed in detail at CSPCWG7, November 2010. An updated version is at Annex B. Following any direction or guidance from HSSC3, this will be subject to further review and revision at CSPCWG8, November-December 2011.

## **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 (in accordance with SOLAS V (2002) regulation 9);
  - 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**  
(Latest update 16 August 2011)

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## **CSPCWG Work Plan**

(updated July 2011)

- *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 and protection of the marine environment, 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 Part A 'Guidance for the Preparation and Maintenance of INT Chart schemes' (IHO T3.3.1 & T3.3.5 refer)*
- D *Development of new (and revised) symbology (IHO T3.3.1 refers)*
- 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' Routeing Guides' (IHO T3.3.1 refers)*

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.5.1	Revise S-4 Part B Section 300-330	M	Next iteration	2010	2011	O	Sec CSPCWG	S-4 / B-300	WG Ltr 3/11
A.5.2	Revise S-4 Part B Section 340-390	M	WG Letter	2011	2011	O	Sec CSPCWG	S-4 / B-300	Draft in prep
A.6	Revise S-4 Part B Section 500	L	Completion of A.5	2011	2012	P	Sec CSPCWG	S-4 / B-500	Start after A.5
A.9	Revise S-4 A-400 & B-128	H	Include in S-4 4.2.0	2011	2011	O	Sec CSPCWG	S-4	WG7-Action 20. WG Ltr 8/11
A.10	Remote sensed shoal depth guidance	M	WG responses to WG Ltr 7/11	2011	2011	O	Sec CSPCWG	S-4	WG7-08.11 & Action 18. WG Ltr 7/11
B.3	Develop guidelines for preparation & maintenance of small / medium scale ENC schemes.	H		2009	2012	O	Chair CSPCWG	S-11 / S-65 ?	CHRIS Action 20/24
D.20	Virtual AIS	M		2009	2011	C	VC & Sec CSPCWG	S-4, INT 1	Included in S-4 4.1.0
D.21	Oscillating directional lights	M		2009	2011	C	Sec CSPCWG	S-4	Included in S-4 4.1.0
D.22	Floating wind turbines	M		2009	2011	C	Sec CSPCWG	S-4, INT 1	Included in S-4 4.1.0
D.23	'Development' dredged depths	M	WG responses to WG Ltr 7/11	2009	2011	O	Sec CSPCWG	S-4	WG7-INF3 & Action 19. WG Ltr 7/11
D.24	Floating waste bin	M		2009	2011	C	Sec CSPCWG	S-4	Included in S-4 4.1.0
D.25	Sub-surface obstructions (ODAS)	M		2009	2011	C	VC & Sec CSPCWG	S-4, INT 1	Included in S-4 4.1.0
D.26	Diving prohibited	M	WG responses to WG Ltr 7/11	2011	2011	O	Sec CSPCWG	S-4, INT 1	CSPCWG7-08.8 & Action 16. Based on SE national symbol
E.1	Maintain official INT 1s	n/a	Next round of revisions (new editions scheduled 2011)			C O O	DE: S Spohn ES: A Guitart FR: O Parvillers	INT 1	English version 2011 (Ed 7) Spanish version 2007 (NE in prep) French version 2006 (NE in prep)
E.4	Symbols for vacant entries in INT 1	L	Review when revision of S-4 completed			P	Sec CSPCWG	INT 1, S-4 part B	

E.5	Small craft symbols	H	Include in INT1 (FR & ES)			O	Sec CSPCWG	INT 1, S-4 part B	Included in S-4 4.1.0
E.6	Maintain INT 3	M	Publish NE	2011	2012	O	Sec CSPCWG	INT 3	New edition in prep in UK

**CSPCWG Meetings** (IHO T3.1.3 refers)

<b>Date</b>	<b>Location</b>	<b>Activity</b>
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
01-03 Dec 09	IHB, Monaco	CSPCWG 6
23-26 Nov 10	Simon's Town, S Africa	CSPCWG 7
29 Nov–02 Dec 11	Turku, Finland	CSPCWG 8

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