

**5th CSPCWG MEETING  
Sydney, 18-21 November 2008**

**Report of the CSPCWG to CHRIS20**

**Chart Standardization and Paper Chart Working Group**

**Submitted by:** Chairman, CSPCWG

**Related Documents:** CHRIS letter No. 1/2008 (call for WG reports)

**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:** none

*See Annex A for full details of membership*

**Meetings**

1. CSPCWG4, 13-15 November 2007, held at IHB, Monaco.
2. Planned CSPCWG5, 18-21 November 2008, to be held in Sydney, at invitation of Australian HO.

**Work Programme**

3. The programme is based on the priorities assigned within the detailed Work Plan (Annex B refers). Since CHRIS19, the principal activities have been:
  - M-4:
    - Edition 3.005, to be published shortly, to include revised section B-440 to B-449 and other approved changes.
    - Part B (IHO Chart Specifications for national and INT medium- and large-scales):

- B-510.4 Revised specification on the Use of English (consequent on IHC XV Decision 9) (IHO CL82/2007).
  - B-440 to B-449: Revision covers national and international boundaries and limits, cables and pipelines, offshore production, aquaculture and various other areas. (Approved by MS in response to IHO CL27/08).
  - B-450 to B-479 Revision covers aids to navigation: fog signals, beacons, buoys and lights. Following 4 rounds of consultation in CSPCWG, now being prepared for MS approval.
  - B-600 New 'Maintenance section' for M-4 draft in preparation.
  - B-480-499 draft in preparation. Revision covers Radio and Radar Aids to Navigation, Marine services and Signal Stations. This is the last part of the revision of M-4 B-400 (Hydrography and Aids to Navigation).
- INT 1, INT 2 & INT 3:
    - INT 1 subWG consists of WG members DE, ES and FR + Secretary. On-going correspondence has particularly covered the preparation of the German (official English language) and Spanish versions of INT1.
    - New edition of Spanish language version of INT 1 published by Spain December 2007, and available on IHO website. (IHO CL03/08)
    - New edition of English language version of INT 1 published by Germany January 2008, and available on IHO website (IHO CL37/08)
  - Symbols and abbreviations:
    - B-431.6 New specification for mooring ground tackle (IHO CL27/08)
    - B-274 Proposal to change colour for magnetic anomalies to magenta, consistent with other magnetic information (IHO CL27/08)
    - Revised list of International abbreviations (INT 1 Section W) agreed at CSPCWG4. Proposal to transfer from INT1 to M-4 B-122 (IHO CL27/08)
  - 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.

### **Progress on CHRIS Action Items**

CHRIS Action 19/24: **Chair of CSPCWG** to include revision of S-49 as a new medium priority Work Item in the CSPCWG Work Plan. Consequently:

The CSPCWG4 meeting agreed to add revision of S-49 to the CSPCWG Work Plan (Item F1) as medium priority. As the secretary has higher priority work for the foreseeable future, we are grateful to Germany who has volunteered to lead this work item. It is planned to form a small subWG and review progress at CSPCWG5.

CHRIS Action 19/25: **CHRIS Chair Group** to complete an initial review of TRs by correspondence, **coordinated by IHB**, and assign any follow-on action to the relevant subordinate bodies of CHRIS; recommendations and proposals for amendments to M-3 to be submitted for review at CHRIS-20. Consequently:

CSPCWG Chairman and Secretary reviewed all the TR assigned by the Chair Group to CSPCWG and submitted recommendations to IHB in June 2008. Many of these TRs are expected to be cancelled on publication of the new B-600 Maintenance section of M-4 in preparation, subject to MS' approval.

**CHRIS Action 19/27: Chairmen of WGs to liaise with IHB** to ensure their respective WPs are properly reflected in the 2008-2012 IHO Work Programme.

Input provided, as requested.

**CHRIS Action 19/29: Chairmen of WGs** to present an updated WP on the last day of CHRIS meetings, incorporating the agreed changes discussed during that meeting.

Updated CSPCWG WP incorporated within CHRIS19 report accordingly.

**CHRIS Action 19/30: Chairmen of WGs** to ensure that completed Work Items are removed from WPs after they have been reported at a subsequent CHRIS meeting.

Actioned accordingly. (Practice adopted from that already established by CSPCWG).

**CHRIS Action 19/32: Chairmen of WGs** to use the IHO's diagram of the lifecycle of a standard, as appropriate, when submitting WG progress reports. **IHB** to amend the relevant CHRIS reporting templates accordingly.

Not appropriate to CSPCWG work.

### **Problems Encountered**

4. Ongoing resource stretch at participating HOs and IHB, including:

- Timely translation of M-4 revisions into French and Spanish.

### **Any Other Items of Note**

5. Sweden has now joined the WG.
6. Progress on the revision of M-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.
7. 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. 11 MS (+IHB) attended CSPCWG4. A slightly larger number are expected to attend CSPCWG5, in Sydney.
8. Additionally, valuable advice is provided by CSMWG and TSMAD Chairs on request, enhancing the collaboration between the WGs. AU's representatives (Roberts and Wootton) have also been invaluable in providing perspectives across the three WGs and in advising on the consequences of decisions for each.

### **Conclusions and Recommended Actions**

9. CHRIS20 is invited to endorse the continued activity of CSPCWG.
10. The CSPCWG Work Plan was formally reviewed at CSPCWG4. An updated version is at Annex B. Following any direction or guidance from CHRIS20, this will be subject to further review and revision at CSPCWG5, November 2007.

### **Justification and Impacts**

11. 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.

12. Principal impact is the resource commitments of participating HOs (paragraphs 6-8 above refer)

**Action Required of CHRIS**

13. The CHRIS is invited to:

- Note this report.
- Endorse the Work Plan at Annex B.

## ANNEX A

### MEMBERSHIP OF CSPCWG (Updated 18 August 2008)

<b>Member State</b>	<b>Name</b>	<b>Email</b>
Australia	Mr Jeff WOOTTON ( <b>Vice-Chairman</b> )	<a href="mailto:jeff.wootton@defence.gov.au">jeff.wootton@defence.gov.au</a>
Brazil	Lt Christina Franco de LACERDA Lt Rafael VIEIRA de Moraes	<a href="mailto:christina@chm.mar.mil.br">christina@chm.mar.mil.br</a> <a href="mailto:rafael.vieira@chm.mar.mil.br">rafael.vieira@chm.mar.mil.br</a>
Canada	Mr David PRINCE	<a href="mailto:Dave.Prince@dfo-mpo.gc.ca">Dave.Prince@dfo-mpo.gc.ca</a>
Chile	LtCdr. Enrique SILVA	<a href="mailto:esilva@shoa.cl">esilva@shoa.cl</a>
Colombia	Capitán de Fragata Juan ACOSTA Chady	<a href="mailto:jacosta@cioh.org.co">jacosta@cioh.org.co</a>
Croatia	Mr Radovan SOLARIC	<a href="mailto:radovan.solaric@hhi.hr">radovan.solaric@hhi.hr</a>
Cuba	Edenia Machín GONZÁLEZ	<a href="mailto:avisosshq@geocuba.co.cu">avisosshq@geocuba.co.cu</a>
Denmark	Ms Nina GRAASBØL-SCHMIDT	<a href="mailto:ng@kms.dk">ng@kms.dk</a>
Finland	Mr Mikko HOVI	<a href="mailto:mikko.hovi@fma.fi">mikko.hovi@fma.fi</a>
France	Mr Yves LE FRANC	<a href="mailto:yves.le.franc@shom.fr">yves.le.franc@shom.fr</a>
Germany	Ms Sylvia SPOHN	<a href="mailto:sylvia.spoehn@bsh.de">sylvia.spoehn@bsh.de</a>
Greece	Ms Maria BIA	<a href="mailto:dcd@hnhs.gr">dcd@hnhs.gr</a>
India	Mr SS CHAUHAN	<a href="mailto:incho@dataone.in">incho@dataone.in</a>
Indonesia	Cdr TRISMADI	<a href="mailto:infohid@indo.net.id">infohid@indo.net.id</a> or <a href="mailto:trismadi@lycos.com">trismadi@lycos.com</a>
Italy	Cdr Enrico ANTONINO	<a href="mailto:iim.crt@marina.difesa.it">iim.crt@marina.difesa.it</a>
Japan	Mr IWABUCHI Yo	<a href="mailto:kajimura-s935@kaiho.mlit.go.jp">kajimura-s935@kaiho.mlit.go.jp</a>
Netherlands	Mr Maarten DE GRAAF	<a href="mailto:m.de.graaf@mindef.nl">m.de.graaf@mindef.nl</a>
New Zealand	Mr David MOLE	<a href="mailto:dmole@linz.govt.nz">dmole@linz.govt.nz</a>
Norway	Mrs Inger TELLEFSEN	<a href="mailto:inger.tellefsen@statkart.no">inger.tellefsen@statkart.no</a>
Pakistan	Lt Cdr Iqbal AHMED	<a href="mailto:hydroPk@paknavy.gov.pk">hydroPk@paknavy.gov.pk</a> or <a href="mailto:hydroPk@bol.edu.pk">hydroPk@bol.edu.pk</a>
Russia	Capt Valery D. FOMCHENKO	<a href="mailto:main@gunio.ru">main@gunio.ru</a>
South Africa	Mr Malcolm NELSON	<a href="mailto:hydrosan@iafrica.com">hydrosan@iafrica.com</a>
Spain	Lt Cdr José MILLÁN	<a href="mailto:ihmesp@fn.mde.es">ihmesp@fn.mde.es</a>
Sweden	Mr Magnus WALLHAGEN	<a href="mailto:Magnus.Wallhagen@sjofartsverket.se">Magnus.Wallhagen@sjofartsverket.se</a>
Ukraine	Mr Oleg MARCHENKO	<a href="mailto:ukrmaps@ukrpack.net">ukrmaps@ukrpack.net</a>
United Kingdom	Mr Peter JONES ( <b>Chairman</b> )	<a href="mailto:peter.jones@ukho.gov.uk">peter.jones@ukho.gov.uk</a>
United Kingdom	Mr Andrew HEATH-COLEMAN ( <b>Secretary</b> )	<a href="mailto:andrew.coleman@ukho.gov.uk">andrew.coleman@ukho.gov.uk</a>
USA (NOAA)	Mr Robert HEELEY	<a href="mailto:robert.heeley@noaa.gov">robert.heeley@noaa.gov</a>
<b>Contacts:</b>		
IHB	Mr Michel HUET	<a href="mailto:mhuet@ihb.mc">mhuet@ihb.mc</a>
CHRIS Chair	Captain Vaughan NAIL	<a href="mailto:vaughan.nail@ukho.gov.uk">vaughan.nail@ukho.gov.uk</a>
SNPWG Chair	Mr David ACLAND	<a href="mailto:david.acland@ukho.gov.uk">david.acland@ukho.gov.uk</a>
TSMAD Chair	Mr Barrie GREENSLADE	<a href="mailto:barrie.greenslade@ukho.gov.uk">barrie.greenslade@ukho.gov.uk</a>
TSMAD subWG	Mr Travis NEWMAN	<a href="mailto:Travis.Newman@noaa.gov">Travis.Newman@noaa.gov</a>
CSMWG Chair	Mr Mathias JONAS	<a href="mailto:mathias.jonas@bsh.de">mathias.jonas@bsh.de</a>

**CSPCWG Work Plan (updated at CSPCWG4 13-15 November 2007)**

Revised 9/09/08

- *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.*

**Specific CSPCWG Tasks**

- A Revise, develop and maintain Publication M-4 'Chart Specifications of the IHO & Regulations of the IHO for INT Charts'.
- B Revise, develop and maintain Publication M-11 'Catalogue of INT Charts' Part A maintained by CSPCWG.
- C International NMs (Task completed).
- D Development of new (and revised) symbology.
- E Maintenance of M-4 supplementary publications INT 1, 2 & 3.
- F Revise, develop and maintain S-49 'Recommendations concerning Mariners' Routeing Guides'.
- G Revise, develop and maintain Publication M-15 'List of Booklets on Chart Symbols & Abbreviations'.
- H Review selected Technical Resolutions from Publication M3 'Technical and Administrative Resolutions'.

Task	Work item	Priority *	Next Milestone	Start Date	End Date	Status **	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.4.3	Sub-section B-440 to B-449	H	Include in M-4	2006	2008	O	Sec CSPCWG	M-4 / B-400	New edition M-4 v3.005
A.4.4.1	Sub-section B-450 to B-479	H	Approval of MS	2007	2008	O	Sec CSPCWG	M-4 / B-400	PDF version prepared
A.4.4.2	Sub-section B-480 to B-499	H	WG Ltr for round 1	2008	2009	O	Sec CSPCWG	M-4 / B-400	Draft in prep
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	WG Ltr for round 1	2006	2009	O	Sec CSPCWG	M-4 / B-600	1 <sup>st</sup> draft in prep with Sec/Chair
A.9	Additional paragraph in B-100 re colour examples	L	Include in M-4	2006	2008	O	IHB, Sec CSPCWG	M-4 / B-100	New edition M-4 v3.005
A.10	Use of English on charts	H	Include in M-4	2006	2008	O	Sec/Chairman CSPCWG	M-4	New edition M-4 v3.005
D.9	Develop new symbol for synchronized and sequential lights	M	Approval of MS	2005	2008	O	Sec CSPCWG	M-4, INT 1	Included in A.4.4.1
D.13	Mangroves	M	Approval of MS	2006	2008	O	Sec CSPCWG	M-4, INT 1	CSPCWG4 Action 10 – draft revised spec to be included in CL
D.14	Bridges (especially supports)		CSPCWG5	2008	2009	P	Sec CSPCWG	M-4	CSPCWG5 agenda discussion
E.1	Maintain official INT 1s	n/a	Next round of revisions to be considered after pub of B450-479			O	FR: Y Le Franc ES: A Chans DE: S Spohn	INT 1	French version 2006. Spanish version 2007. English version 2008 (by DE).
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	CSPCWG4 Action 32. See WG Ltr 10/08 – propose nfa.
E.5	Small craft symbols	L				P	Sec CSPCWG	INT 1, M-4 part B	
E.6	INT abbreviations	M	Include in M-4	2006	2008	O	Sec CSPCWG	INT1, M-4 part B	CSPCWG4 Action 31

\* H = High, M = Medium, L = Low

\*\* P = Planned, O = Ongoing, C = Completed

E.7	Review terms in INT1 for consistency with M4	L	Maintain awareness: when new revisions of M-4 sections published, may impact on INT1	2007	2008	C	Sec CSPCWG & INT1 subWG		Selected pages, to gauge extent of issue. CSPCWG4 Action 9. Selected review conducted, concluding no significant issue.
E.8	Move part of INT1 K into L	L				P	INT1 subWG		CSPCWG4 Action 33
F.1	Review S-49	M	Discussion at CSPCWG5	2007	2009	P	Chairman & DE (S Spohn)	S-49	CSPCWG4 Action 38. Germany volunteered to lead
H.1	Review allocated Technical Resolutions (as listed in IHB Ltr 7/09/07 to Committee Chairman)	H	CHRIS20	2007	2008	C	Chairman	M-3	Recommendations sent to IHB 11/06/08

\* H = High, M = Medium, L = Low

\*\* P = Planned, O = Ongoing, C = Completed

- CSPCWG Meetings:**
1. Date: 03-05 Nov 2004 Location: IHB Monaco.
  2. Date: 19-21 Oct 2005 Location: IHB Monaco.
  3. Date: 22-24 Nov 2006 Location: IHB Monaco
  4. Date: 13-15 Nov 2007 Location: IHB Monaco
  5. Date: 18-21 Nov 2008 Location: Sydney Australia

Chairman: Peter Jones

Email: peter.jones@ukho.gov.uk

Vice-chairman: Jeff Wootton

Email: jeff.wootton@defence.gov.au

Secretary: Andrew Heath-Coleman.

Email: andrew.coleman@ukho.gov.uk