

**18<sup>th</sup> CHRIS MEETING**  
**Cairns, Australia, 25-29 September 2006**

**Report of the CSPCWG to CHRIS 18**

**Chart Standardization and Paper Chart Working Group**

**Submitted by:** Chairman, CSPCWG

**Related Documents:** CHRIS letter No. 1/2006 (call for WG reports)

**Related Projects:** not applicable

**Chair:** Peter Jones, UK

**Vice Chair:** Jarmo Makinen, Finland

**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,  
 Russia, South Africa, Spain, Ukraine, UK, USA (=25).

**Expert Contributor Organisations:** none

*See Annex A for full details of membership*

**Meetings Held During Reporting Period**

1. CSPCWG2, 19-21 October 2005, held at IHB, Monaco.
2. CSPCWG3, 22-24 November 2006, planned at IHB, Monaco.

**Work Programme**

3. The programme is based on the priorities assigned within the detailed Work Plan (Annex B refers). Since CHRIS17, the principal activities have been:
  - M-4:
    - Edition 3, published October 2005. Version 3.002 November 2005 is currently posted on the IHO website; v3.003 is in preparation at IHB.
    - Part B (IHO Chart Specifications for national and INT medium- and large-scales):
      - Section 200 (chart framework): completed and approved by MS, September 2005.

- Section 400-429 (hydrography, depths, dangers): completed and approved by MS, June 2006.
- Section 430-439 (harbours, tracks, routes): actively in progress.
- B-131: standard format for quoting Geographic Positions approved by MS, June 2006.
- INT 1, INT 2 & INT 3:
  - New edition of French language version of INT 1 in preparation by France.
  - New edition of INT 3 published by UK, December 2005.
  - Notification of maintenance issues relating to these documents are now posted on the IHO website (e.g. NtM for INT 1).
  - A separate paper has been tabled for CHRIS18 consideration, *Status of IHO Charts INT 1, INT 2 and INT 3*.
- Symbols:
  - AIS on navigational aids: completed and approved by MS, December 2005.
  - Synchronised and sequential lights: discussion with IALA ongoing.
  - Port Entry Lights (PEL): advice provided to C&SMWG.
  - Emergency Wreck Buoy: consideration of IALA trial of new navaid.
- Provision of Advice:
  - Chair / Sec 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**

4. No actions directly assigned.
5. 17/9/2: *CHRIS Chair to provide the current work plan to WG Chairs for review, prior to CHRIS18*. Agenda Item 8.2 refers (Review of CHRIS Work Plan).

#### **Problems Encountered**

6. Ongoing resource stretch at participating HOs and IHB, including:
  - Delay in the take-up by Netherlands of the planned revision for INT 2.
  - Timely translation of M-4 revisions into French and Spanish.

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

7. WG details, including letters, are posted on the IHO website.
8. 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. Examples of extended drafting have included the topics of wreck depths, fairways and multi-feature lines.
9. 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 CSPCWG2.

10. Additionally, valuable advice has been received from C&SMWG Chair on numerous matters, enhancing the collaboration between the WGs. This understanding is further consolidated through the work of Chris Roberts (Australia) who is active in advising and making valuable linkages across 3 WGs (CSPCWG, C&SMWG, TSMAD).
11. A sub-WG has been established to facilitate the coordination between, and the advice available to, the respective volunteer HOs in their maintenance of the 3 official language versions of INT 1 (comprising DE, FR, ES, WG Sec).

#### **Conclusions and Recommended Actions**

12. CHRIS 18 is invited to endorse the continued activity of CSPCWG.
13. The CSPCWG Work Plan was formally reviewed at CSPCWG2. An updated version is at Annex B. Following any direction or guidance from CHRIS18, this will be subject to further review and revision at CSPCWG3, November 2006.

#### **Justification and Impacts**

14. Not applicable.

#### **Action Required of CHRIS**

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

## ANNEX A

### MEMBERSHIP OF CSPCWG

(Updated 21 July 2006)

Member State	Name	Email
Australia	Mr Chris ROBERTS	chris.roberts@defence.gov.au
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Denmark	Mrs Hanne BERG	hnb@kms.dk
Finland	Mr Jarmo MAKINEN ( <b>Vice-Chairman</b> )	jarmo.makinen@fma.fi
France	Mr Yves LE FRANC	yves.le.franc@shom.fr
Germany	Ms Sylvia SPOHN	sylvia.spohn@bsh.de
Greece	Ms Maria BIA	dcd@hnhs.gr
India	Shri G.S. VATSA	nho@sancharnet.in
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Spain	Cdr Angel CHANS	ihmesp@fn.mde.es
Ukraine	Mr Anatoliy DEREPA	ukrmaps@i.kiev.ua
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United Kingdom	Mr Andrew HEATH-COLEMAN ( <b>Secretary</b> )	andrew.coleman@ukho.gov.uk
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USA (NOAA)	Mr Robert HEELEY	robert.heeley@noaa.gov
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CHRIS Chair	Captain Robert WARD	robert.ward@hydro.gov.au
SNPWG Chair	Mr Johannes MELLES	johannes.melles@bsh.de
TSMAD Chair	Mr Mike BROWN	mike.brown@noaa.gov
C&SMWG Chair	Mr Mathias JONAS	mathias.jonas@bsh.de

**CSPCWG Work Plan (updated 21 July 2006 for CHRIS 18)**

- *Tasks and Work Items are pursued in accordance with IHO Work Programme 2003-2007, Programme 3 (Techniques and Standards Support), Element 3.1 Nautical Cartography. In particular, the objectives:*
  - *3.1.1 the revision, development and maintenance of publications, including M-4 (Chart Specifications of the IHO & Regulations of the IHO for INT Charts) and M-11 Part A (Guidelines for INT Chart coordinators), including:*
    - *3.1.1.1 the refinement and expansion of specifications and standards;*
  - *3.1.2 the development of standards for cartography and geographic information;*
  - *3.1.3 the development of the international [paper] chart series, including:*
    - *3.1.3.1 the development of new symbology and*
    - *3.1.3.3 the extension of the INT chart scheme.*
- *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/digital charting.*
- *As a Plan it will and should evolve; accordingly, contributions from WG members and others are welcomed at any time. This version has evolved from that produced for CHRIS 17 and at CSPCWG2; it shows progress since that plan, and includes draft plans (next milestones and dates) for continuing the work.*

**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” (IHO T3.1.1 refers) – *Part A produced by CSPCWG. New format and content for M-11 agreed with IHB.*
- D Development of new symbology (IHO O3.1.3.1 refers).
- E Maintenance of M-4 supplementary publications INT 1, 2 & 3.

Task	Work item	Priority*	Next Milestone	Start Date	End Date	Status**	Contact Person(s)	Affected Pubs/Standard	Remarks
A.3	Revise M-4 Part B Section 200			2004	2005	C	Sec CSPCWG	M-4 / B-200	Approved 09/05 (IHO CL96/05)
A.4	Revise M-4 Part B Section 400	H	Revise and publish	2005	2007	O	Sec CSPCWG	M-4 / B-400	B-400 divided into sub-sections for manageability.
A.4.1	Sub-section B-400 to B-429	H	Publish	2005	2006	O	Sec CSPCWG	M-4 / B-400	Approved 06/06 (IHO CL48/06)
A.4.2	Sub-section B-430 to B-439	H	WG Ltr for round 3	2005	2006	O	Sec CSPCWG	M-4 / B-400	Draft in prep with Sec/Chair
A.4.3	Sub-section B-440 to B-469	H	WG Ltr for round 1	2006	2007	P	Sec CSPCWG	M-4 / B-400	Not started
A.4.4	Sub-section B-470 to B-499	H	WG Ltr for round 1	2007	2007	P	Sec CSPCWG	M-4 / B-400	Not started
A.5	Revise M-4 Part B Section 300	L	Completion of A.4	2007		P	Sec CSPCWG	M-4 / B-300	Start after A.4 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	L	1st draft			P	Sec CSPCWG	M-4	Position in M-4 to be determined. To include NM criteria, print dates, thumb labels etc (B-252 round 2 comments refer)
A.9	Annex to B-100 for colour examples	L	CSPCWG3	2006	2006	P	Sec CSPCWG	M-4	CSPCWG2 Action 16 refers.
D.3	Vessel Traffic Services guidance	L	Review of B-480	2007	2007	C	Sec CSPCWG	M-4 /B-435 & 488	Requirement from IHC XVI, to be included in review under A.4. CHRIS18 to note action now transferred to A.4.4.
D.5	Review requirement for Fairway symbology	H	FI/Chair/Sec consultation	2004	2006	O	Vice Chairman CSPCWG	M-4, INT 1	New submission received from FI for inclusion in A.4.2
D.6	Review Wreck depth definitions	H	Publish	2005	2006	O	Sec CSPCWG	M-4, INT 1	Included in A.4.1
D.7	Charted limits: styles, hierarchies, multi-feature lines	H	WG Ltr for round 3 of B-430 to B-439	2005	2006	O	Sec CSPCWG	M-4 B-439	Included in A.4.2
D.8	Develop symbols for AIS-equipped AtoN			2005	2005	C	Sec CSPCWG	M-4, INT 1	Approved 12/05 (IHO CL121/05)

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

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

D.9	Develop new symbol for synchronized and sequential lights	M	Response from IALA	2005	2006	O	Sec CSPCWG	M-4, INT 1	Symbol agreed by CSPCWG2, pending consultation with IALA. Include in A.4.4
D.10	DGPS symbol			2005	2006	C	Sec CSPCWG	M-4, INT 1	Approved 06/06 (IHO CL48/06)
D.11	Reporting line			2005	2006	C	Sec CSPCWG	M-4, INT 1	Approved 06/06 (IHO CL48/06)
D.12	Boulders	H	Publish	2005	2006	O	Sec CSPCWG	M-4, INT 1	Included in A.4.1
E.1	New edition INT 1		Publish French language version	2003	2007	O	DE: S Spohn FR: Y Le Franc ES: A Chans	INT 1	English language version published by DE 2005. French version planned for 2006, Spanish version for 2007.
E.2	New edition INT 2	M	Prepare draft new edition	2005	2007	O	NL: M de Graaf	INT 2	Input provided to NL at CSPCWG2
E.3	New edition INT 3			2005	2005	C	Sec CSPCWG	INT 3	Published 12/ 2005 by UK
E.4	Symbols for vacant entries in INT 1	L				P	Sec CSPCWG	INT 1, M-4 part B	
E.5	Small craft symbols	L				P	Sec CSPCWG	INT 1, M-4 part B	

\* 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

Chairman: Peter Jones  
Vice Chairman: Jarmo Makinen  
Secretary: Andrew Heath-Coleman.

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