

**16th CHRIS Meeting
Ottawa, Canada, 28-31 May 2004**

**REPORT OF THE CHART STANDARDIZATION AND PAPER CHART
WORKING GROUP (CSPCWG)**

Submitted by:	Peter Jones, UK
Executive summary:	Report on the work undertaken and progress made by the Chart Standardization and Paper Chart Working Group, since CHRIS15, and future plans.
Actions to be taken:	CHRIS to note the report, and endorse the future plans.
Related documents:	CHRIS letter No. 2/2004 (call for reports)
Related Projects:	Not applicable

1. Officers:
 - a. Chairman: Peter Jones (UK)
 - b. Vice Chairman: Jarmo Makinen (Finland)
 - c. Secretary: Andrew Heath-Coleman (UK)
2. Membership: See Annex A. There have been a few changes to individuals since CHRIS 15.
3. Meetings:
 - No full meetings have been held.
 - A full meeting is planned for 3-5 November 2004, at Monaco.
 - The officers of the CSPCWG met in Helsinki 14 October 2004 to consider the responses to CL 01/2003 (see below), and to plan the work for the foreseeable future.
4. CHRIS 15 Actions:
 - Action 7: included in CL 04/2003 (see below)
 - Action 8: included in CLs 02/2004 and 04/2004 (see below)
 - Actions 13: included as CSPCWG WP item C.1
5. Progress: See Annex B for summary of progress against Work Plan.
6. WG Circular letters have been sent out, as listed below. All CLs proposing substantive changes to symbology have been copied to the chairmen of other appropriate CHRIS WGs, to enable discussion and input from their members.

- a. **CL 01/2003:** an introductory letter providing biographies of officers, basic documents and a questionnaire on preferred methods of working and correspondence. Helpful responses were received from most members.
 - b. **CL 02/2003:** a summary of responses to CL 01/2003 and the proposals resulting from the officers' meeting in Helsinki.
 - c. **CL 03/2003:** a discussion paper on Archipelagic Sea Lanes (ASLs). The responses resulted in significant changes being made to the symbol originally agreed by CSC and IMO, particularly taking account of the views expressed by the C&SMWG.
 - d. **CL 04/2003:** a discussion paper on Environmentally Sensitive Sea Areas (ESSAs), including draft new specifications for M-4 (B-437, B-435.7 & 11). The responses confirmed the need to complete this action as soon as possible, with only minor changes to be made (see CL 07/2004).
 - e. **CL 01/2004:** a follow-up discussion on ASLs, including a draft new M-4 specification B-435.10, resulting from the responses to CL 03/2003.
 - f. **CL 02/2004:** proposals for new symbols for wind and current turbines.
 - g. **CL 03/2004:** a draft revision of the Guidance for the Preparation of INT Chart Schemes (replacing the former S-48), to be included in a re-formatted M-11. A proposed new format of M-11, and its contents, has been agreed with IHB.
 - h. **CL 04/2004:** a discussion paper about proposed symbols for "activities prohibited or not advisable". The discussion was widened to consider whether HOs have the responsibility to advise mariners about dangerous activities, or whether they should deduce this for themselves directly from information on the chart.
 - i. **CL 05/2004:** an invitation to the first meeting of the CSPCWG, in Monaco 3-5 November 2004.
 - j. **CL 06/2004:** a draft revision of M-4 section B-100. (No progress has been made to date on revising other sections of M-4).
 - k. **CL 07/2004:** information about the responses to CL 04/2003 (ESSAs).
 - l. **CL 08/2004:** proposal for taking forward the International Notices to Mariners study.
7. Other matters:
- a. **M-4**
 - i. CSPCWG Secretary, in collaboration with IHB, is preparing a re-formatted English language version of M-4. The existing version was produced by different authors, originally in WordPerfect (it is believed), and consequently contains numerous formatting inconsistencies, and some poor quality symbol and picture files. This revision will not make any

- substantive changes, but will improve the layout and replace some existing symbols with better digital files.
- ii. Plans to progress the revision of sections of M-4, Part B are summarised in the Work Plan. Because of the size of sections 300 and 400, these will be progressed as separate sub-sections.
- b. **M-11:** CSPCWG Secretary and IHB (M Huet) have discussed and agreed a new, two-part, layout for M-11, comprising:
- i. **A:** Guidance for the Preparation of International Chart Schemes (to replace the former S-48, revised by CSPCWG, and expanded to provide more general guidance than that originally intended only for Regional Co-ordinators). This part, to be maintained by CSPCWG, is the subject of CL 03/2004.
 - ii. **B:** Catalogue of International Charts. This part to be maintained by IHB, on advice from the Regional Co-ordinators or Chairmen of Regional Charting Groups (RCGs).
 - iii. The former Annexes reporting the progress of RCGs will be removed from M-11, as they are of a temporary nature; in future they should form part of the reports to IHCs.
- c. **International NMs:** Decision 44 of XIVth IHC (1992) tasked CSC to “undertake a study into the feasibility of establishing a system of International Notices to Mariners”. This action was completed by CSC as a result of a consultancy report, which demonstrated that such a system was not feasible (as far as paper charts were concerned). Since then, CSC was planning to follow-up the study by collating national criteria for issuing chart-updating NMs. No mandate has been found for this extension of the original task, and little work was done by CSC. CL 08/2004 requests such a mandate from CSPCWG and, if provided, the priority that should be allocated to the tasks.
- d. **VTS:** the requirement to develop Vessel Traffic service guidance has not been identified from CSC papers. It is proposed that a specification for any chart symbology should be developed when the relevant section of M-4 is revised.
- e. **Fairways:** The requirement for new Fairway symbology had been the subject of some initial assessment by CSC. This initial assessment has been passed to the Vice-Chairman, who will consult his Finnish and Swedish colleagues, with a view to submitting a revised proposal.
- f. **Wrecks:** No progress has been made on reviewing wreck depth definitions. M-4 B-422.6 states that a “dangerous” wreck has less than 20m of water over it. However, since that was written, ship draughts have increased, so some HOs have changed their definition accordingly (e.g. to 28m). This means that the “dangerous” and “non-dangerous” wreck symbols have different meanings on charts of different nations, or charts which have been adopted from different nations.
- g. **Advice** has been provided by CSPCWG on:

- i. Transfer of allocated INT numbers between RCGs (NSICC to BSICC)
 - ii. Transfer of INT numbers within a RCG (NSICC)
 - iii. Use of satellite imagery in Antarctica (to HCA)
 - iv. Updating methods for M-4 (to IHB)
 - v. INT charts scheme in Bangladesh and Northern entrance to the Malacca Strait (to IHB, for onward transmission to RCG Chairman for Region J)
 - vi. Charting of Fairways (to Latvian HO).
 - vii. IMO's ISPS code (to Australian HO)
 - viii. New edition of INT 1 (to German HO)
 - ix. Definition of "International Shipping" (to Danish HO)
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MEMBERSHIP OF CSPCWG
(Updated March 2004)

Member State	Name	Email
Australia	Mr Chris ROBERTS	chris.roberts@defence.gov.au
Brazil	LtCdr Josué Alexandre FONTAINHA	321@chm.mar.mil.br
Canada	Mr David PRINCE	prnced@pac.dfo-mpo.gc.ca
Chile	LtCdr Juan CUNEO	jcuneo@shoa.cl
Colombia	Mr Jesus Josue DIAZ PRIETO	jjdiazp@yahoo.com
Croatia	Mr Radovan SOLARIC	radovan.solaric@hhi.hr
Cuba	Edenia Machín González	internacional@geocuba.co.cu
Denmark	Mrs Hanne BERG	hnb@kms.dk
Finland	Mr Jarmo MAKINEN (Vice-Chair)	jarmo.makinen@fma.fi
France	Ing en chef Yves LE FRANC	yves.le.franc@shom.fr
Germany	Mrs Sylvia Spohn	Sylvia.spohn@bsh.de
Greece	Ms Maria BIA	dcd@hnhs.gr
India	Shri G.S. VATSA	nho@sancharnet.in
Indonesia	Capt Rusdi RIDWAN (at DISHIDROS)	infohid@indo.net.id
Italy	Cdr Carlo DARDENGO	iim.sre@marina.difesa.it
Japan	Dr Masakazu TSUCHIDE	masakazu-tsuchide@kaiho.mlit.go.jp
Netherlands	Mr Maarten DE GRAAF	m.de.graaf@mindef.nl
New Zealand	Mrs Carol KOHL	ckohl@linz.govt.nz
Russia	Capt Valery D. FOMCHENKO (at GUNIO)	gunio@homepage.ru
South Africa	Mr Malcolm NELSON	hydrosan@iafrica.com
Spain	Cdr Angel CHANS	ihmesp@retemail.es
Ukraine	Mr Anatoliy DEREPA	ukrmaps@i.kiev.ua
United Kingdom	Mr Peter JONES (Chairman)	peter.jones@ukho.gov.uk
USA (NGA)	RAdm Christian ANDREASEN	andreasenc@nga.mil
USA (NOAA)	Mr Robert HEELEY	robert.heeley@noaa.gov
Secretary (UK)	Mr Andrew HEATH-COLEMAN	andrew.coleman@ukho.gov.uk
Contacts:		
IHB	Mr Michel HUET	pac@ihb.mc
CHRIS Chair	Mr Ole BERG	olb@kms.dk
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 Progress and draft future plans
(updated extract from CHRIS 15 Work Plan)**

- *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: 3.1.1.1 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 development of new symbology (3.1.3.1) and the extension of the INT chart scheme (3.1.3.3); task 3.1.1 the revision, development and maintenance of publications, including M-4 (Chart Specifications of the IHO) and M-11.*
- *This WG Plan carries forward the work of the IHO's former Chart Standardization Committee (CSC), which closed in 2002.*
- *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 is an evolution from that produced by CHRIS 15, and shows progress since that plan, and included draft plans (next milestones and dates) for continuing the work.*

CSPCWG Tasks

- A Revise, develop and maintain Publication M-4 “Chart Specs and Regulations for INT Charts”, including creation of digital Version (IHO T3.1.1 refers) – *Revised digital version being developed by UKHO.*
- B Revise, develop and maintain Publication M-11 “Catalogue of INT Charts” (IHO T3.1.1 refers)
- *New format and content for M-11 agreed with IHB. Guidance under revision with CSPCWG.*
- C Review requirement for standardization of International Notices to Mariners (IHO O3.1.3.2 refers)
- *Completed. Follow-on work item under consideration.*
- D Development of new symbology (IHO O3.1.3.1 refers) – *see table below.*

Task	Work item	Priority*	Next Milestone	Start Date	End Date	Status**	Contact Person(s)	Affected Pubs/Standard	Remarks
A.1	Revise M-4 Part C	M				C		M-4 / C	Issued by IHB CL 38/03
A.2	Revise M-4 Part B Section 100	M	Assess responses to CL 06/2004	2003	2004	O	Sec CSPCWG	M-4 / B / 100	CL 06/2004, responses required by 11/05/04
A.3	Revise M-4 Part B Section 200	M	Draft	2004	2005	P	Sec CSPCWG	M-4 / B / 200	Not started

Annex B to CSPCWG Report to CHRIS 16

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	M					Sec CSPCWG	M-4 / B / 400	After A.1-A.3 (in sub-sections)
A.5	Revise M-4 Part B Section 300	L					Sec CSPCWG	M-4 / B / 300	After A.1-A.3 (in sub-sections)
A.6	Revise M-4 Part B Section 500	L				P	Sec CSPCWG	M-4 / B / 500	After A.1-A.3
A.7	Revise M-4 Part B Section 600	none					Sec CSPCWG	M-4 / B / 600	Lattice charts obsolescent
B.1	Review S-48 and amalgamate within M-11	L	Assess responses to CL 30/2004	2004	2004	O	Sec CSPCWG	M-11 (& S-48)	CL 03/2004, responses required by 13/04/04
C.1	Review requirement for the standardization of International Notices to Mariners	M	CHRIS 16 approval of action				Chair CSPCWG		CL 08/2004. Requirement reviewed. Potential follow-on task C.2: Collation of criteria for NMs
D.1	Review and develop depiction of ESSAs (including PSSAs & ATBAs)	H	Approval by M/S	2003	2004	O	Sec CSPCWG	M-4 /B-437, INT 1	CLs 04/2003, 07/2004. Ready for IHB to advise M/S of proposed symbols.
D.2	Develop new symbology: ASLs	H	Approval by M/S	2003	2004	O	Sec CSPCWG	M-4 /B-432, 434-436, INT 1	CLs 03/2003, 01/2004. Ready for IHB to advise M/S of proposed symbols
D.3	Vessel Traffic Services guidance	M					Sec CSPCWG	M-4 /B-435 & 488	Requirement not identified, include review under A.4
D.4.1	Review and develop depiction of offshore wind farms (and other offshore renewables)	M	Assess responses to CLs 02/2004	2004	2004	O	Sec CSPCWG	M-4, INT 1	CL 02/2004 responses required by 29/03/04
D.4.2	Review symbology for Restricted Areas (inc Activities Inadvisable)	M	Assess responses to CLs 04/2004	2004	2004	O	Sec CSPCWG	M-4, INT 1	CL 04/2004 responses required by 27/04/04
D.5	Review requirement for Fairway symbology	M	Revised proposal	2004	2005	P	Vice Chairman CSPCWG	M-4, INT 1	Requirement under review by FI/SE HOs
D.6	Review Wreck depth definitions	L		2004		P	Sec CSPCWG	M-4, INT 1	Not started

Date **Location** **Activity**
 3-5 Nov 2004 Monaco 1st WG Meeting

* H = High, M = Medium, L = Low
 ** P = Planned, O = Ongoing, C = Completed