



## CHART STANDARDIZATION & PAPER CHART WORKING GROUP (CSPCWG)

[A Working Group of the Committee on Hydrographic Requirements for Information Systems – CHRIS]

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### CSPCWG Letter: 07/2008

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To CSPCWG Members

Date 7 May 2008

Dear Colleagues,

### Subject: Status of CSPCWG4 actions

We have reached a point approximately half-way between our last meeting and our next. I thought therefore it would be useful to update you on progress with the actions agreed at CSPCWG4. Accordingly, Annex A is an updated version of the Actions list, with comments in red to explain what has happened so far.

Action 38 required me to inform CSPCWG of new work item 'review of S-49' (Recommendations concerning Mariners' Routing Guides), and invite a volunteer to lead the revision. This new work item arises from a request from IHB for 're-activation' of S-49. This followed a proposal from Finland (CHRIS 19-11.1A refers) to update S-49. Accordingly, the revision of S-49 was added to the CSPCWG Work Plan as directed by CHRIS (CHRIS 19, November 2007). Noting the assigned medium priority, the Secretary would not realistically have opportunity to do any work on this revision within the stated time frame. It was therefore suggested that a member of the WG would volunteer to undertake an initial draft of S-49 in order to advance the task. Finland has recently notified that they are unable to lead this task, so an alternative volunteer is sought. Please advise on the response form whether you are willing to lead this task. (A scanned copy of S-49 will be sent with this letter, attached to the email).

Additionally, I have attached draft papers for your consideration:

- Annex B (CSPCWG4 Action 8 – CSPCWG Procedures): a copy of the CSPCWG procedures, with revised sections based on our discussions at CSPCWG4 in red. At the foot of the annex, I have included a reminder of the discussion in blue – this would, of course, be deleted from the final version. If approved by the WG, these procedures can replace the existing version on the IHO website.
- Annex C (CSPCWG4 Action 10 - Mangroves): a draft revision of the specification for mangroves, in accordance with our discussions at CSPCWG4. If the wording is approved by the WG, it will be necessary to ask Member States for approval; at that time, I will generate graphics to accompany the words.

- Annex D (CSPCWG4 Action 20 – ‘Recommended’): a proposal for an explanation on the meaning of ‘recommended’ in the context of routeing measures, with a précis of same for use as a note in INT1.

Please let me have any comments on the annexes by 2 July 2008. I will assume no response means you are content with the drafts. If you have progressed any actions which are allocated to you, please advise the Secretary so that he can update the status of actions list.

Yours sincerely,



Peter G.B. Jones,  
Chairman

Annex A: Status of Actions at 6 May 2008

Annex B: Draft revised CSPCWG procedures

Annex C: Draft revised Mangroves specification

Annex D: Proposal for explanation of ‘recommended’ for M-4 and INT1

Annex E: Response form

**STATUS OF CSPCWG4 ACTIONS**

(updated to 6/05/2008)

No	Action	Delegate	Status
1	Draft record of meeting by end December for participants to examine <i>Draft circulated 22/11/07, final record distributed 12/12/07</i>	Sec	Completed
2	Include minor changes to M-4 as editorial corrections in the next edition of M-4. <i>Waiting for edition 3.005 (when revised B440 is approved by M/S)</i>	Sec	
3	Include the proposed minor changes in the next edition of P-4.	M Huet	Completed
4	Check whether hyperlinks from 'download' page to INT1 updates were in place on IHO website.	M Huet	Completed
5	Consider whether the descriptions of scale bands in M-4 and M-11 need amending following changes to ENC bands (after issue of IHO CL) <i>No IHO CL yet published. Chairman TSMAD advised that TSMAD intend to disconnect 'navigation purpose/usage scale bands' from scales in ENC. As defined, they are too restrictive, eg when applying scale minimum. Navigational purpose will only be used in cataloguing. TSMAD also intends to redefine 'compilation scale', which derives from paper charts and should not be applied to ENC. The aim is remove all linkage with the paper chart, so these changes should have no implications for M-4 or M-11.</i>	Sec	No further action required by CSPCWG
6	Consider option to include proposed CSPCWG definitions in S-100 hydrographic register. <i>Chairman TSMAD prefers to wait and catch 'all at once' when the time is appropriate, and the M-4 revision is further advanced, rather than incorporate CSPCWG changes and new features piecemeal. For urgent items, for which immediate action for ENC is required (as it was for ASLs), he will expect to be informed via Vice-chairman Jeff Wootton.</i>	Chair	No further action required by CSPCWG
7	Proposed revision of TOR to be advised to CHRIS Chair <i>Letter to CHRIS Chairman sent 21/02/08</i>	Chair	Completed
8	Include new paragraph in CSPCWG procedures, based on recommendations from CSPCWG4-7B	Sec	Draft at Ltr 07/08 Annex B
9	Conduct scoping review of the extent to which official INT1s do not comply with the recommendations	Sec	
10	Draft revised specification for mangroves for consideration by WG	Sec	Draft at Ltr 07/08 Annex C
11	Ask SNPWG whether it is planned to include glossaries in digital publications. <i>Chairman SNPWG advised that glossaries are 'reference material', not 'real-world'. As such, if useful, they may be included in the 'Help' section of a digital publication.</i>	Sec	Completed
12	Study regulations concerning use of maritime boundary symbols and consequently consider whether specifications require clarification. <i>Outcome included in revised B-440 circulated with CSPCWG Letter 01/2008</i>	Chair/Sec	Completed
13	Draft amended wording for magnetic anomalies to specify magenta and include in next CSPCWG inspired IHO CL. <i>Included in IHO CL 27/2008</i>	Sec	Completed
14	Amend specification for Racons to exclude showing wavebands, at revision of B-480. <i>Noted for removal</i>	Sec	Completed

No	Action	Delegate	Status
15	Draft paragraph on renewable energy installations for B-440 revision, and include in WG letter re maritime boundaries (action 11) <i>Outcome included in revised B-440 circulated with CSPCWG Letter 01/2008</i>	Sec	Completed
16	Note for agenda item to review depiction of off-shore renewable energy installations at next meeting <i>Noted</i>	Sec	Completed
17	Draft WG letter asking for views on a way forward on proposal for symbol library	Sec	
18	Include section on dealing with new and revised routeing measures in B-600 <i>Added to draft B-600 in preparation with officers</i>	Sec/Chair	
19	Speak to local ENC specialists about how new and revised routeing measures should be notified in ENC, and advise Sec of outcomes by end Jan 2008 <i>TSMAD are preparing test datasets for OEMs to test UKHO's plans for including changes TSS/Routeing measures in ENC (ie the use of Start &amp; End dates). TSMAD will discuss in their May meeting. No further action for CSPCWG for ENC.</i>	All participants	None received. No further action for CSPCWG
20	Draft paragraph for M-4 on the meaning of 'recommended' when used with track for consideration by WG	Sec	Draft at Ltr 07/08 Annex D
21	Progress new section B-600 on Chart Maintenance to WG review stage, retaining draft style and contents	Sec/Chair	
22	Comment on DK submission (INF 2) on 'redundant' colour abbreviations in response to WG letter 12/07 (due 13 December 2007) <i>Raised again in CSPCWG Letter 03/08. Responses indicated majority in favour, details provided in Letter 06/08.</i>	All participants	Completed
23	Provide Secretary with revised diagram of IHO International Charting Regions, when available. <i>Copy supplied, for inclusion in next edition of M-4</i>	M Huet	Completed
24	WG members to request copies of official INT1s directly from the producer HOs (after announcement by IHO CL) <i>ES version announced by IHO CL 03/2008, DE version announced by IHO CL 37/2008</i>	All participants that require personal copies	Action closed
25	Research guidance on use of numbers and letters in INT1 versions and draft a reminder to avoid using numbers for national symbols, for inclusion in next suitable IHO CL <i>Guidance is M-4 B151.1. The opportunity to include this in CL37/2008 was missed; will be considered for next appropriate IHO CL.</i>	Sec	
26	Review content of INT1 sections G and O, and then consult ES and DE to contribute further suggested additions/deletions before referring the draft revised list to the WG.	FR	
27	Amend graphic I21 in M-4: remove 'dredged to' (and improve depth figure) <i>Noted for next edition of M-4</i>	Sec	

No	Action	Delegate	Status
28	Amend term for K31 to 'Foul ground, not dangerous to surface navigation, but to be avoided by vessels anchoring, trawling, etc (eg remains of wreck, cleared platform)'. Also, amend heading of subsection beginning K20 to 'Wrecks and Fouls' (all at next opportunity). <i>The heading of the sub-section has been amended to 'Wrecks and Fouls' in the recently published ES and DE INT1 versions. The definition is not exactly as agreed in the CSPCWG4 record, particularly in missing the example of a cleared platform, which was suggested to make more explicit that the foul may apply to something other than a dispersed wreck.</i>	INT 1 producers	Part completed.  <b>INT1 producers please note to complete at next editions of INT1. CSPCWG action closed.</b>
29	Raise the issue of the definitions of a foul in S-57 and S-32 with appropriate WGs	Sec/Chair	
30	Include heading 'Environmentally Sensitive Sea Areas' at N22 <i>Included in recent ES and DE versions</i>	INT1 producers	Completed
31	Advise MS in next appropriate CL of intention to transfer list of International abbreviations from INT1 to M-4 Section B-100. <i>Included in IHO CL 27/2008</i>	Sec/IHB	Completed
32	Produce brief for INT1 scoping study for potential IHB secondee, to include: <ul style="list-style-type: none"> <li>• advice about not using INT1 numbers for national symbols;</li> <li>• possible removal of redundant numbers;</li> <li>• ensure consistency of terms and descriptions with M-4.</li> </ul>	Chair/Sec	
33	Discuss way to implement DK suggestion on moving part of K to L in INT1	INT1 subWG	
34	Add year date and edition number to front cover of INT1	DE	Completed
35	Report to CSPCWG on progress with INT1/S52 symbol combined document	US	
36	Advise CHRIS Chairman of revisions to TOR, and preferred name of future WG <i>Letter to CHRIS Chairman sent 21/02/08</i>	Chair	Completed
37	Ask CBC Chairman whether report is of use (and if yes, construct new report). <i>New report sent to CBC Chairman 3/01/08 (after earlier consultation with him)</i>	Chair	Completed
38	Inform WG of new work item 'review of S-49', and invite volunteers <i>FI has declined. Alternative volunteer requested in this letter.</i>	Chair	Completed
39	Confirm availability of AU to host CSPCWG 5, and determine dates in late 2008 <i>Confirmed</i>	AU/Chair	Completed
40	Make early bids for travel budget; advise Chair if any difficulties <i>Currently, 16 WG members have indicated intention to attend CSPCWG5 (in some cases, with supporting personnel)</i>	All WG members	Completed
41	Note agenda items for CSPCWG 5 throughout the year (and forward to Secretary).	All WG members	ongoing
42	Review and note any changes to M-4 and INT1 that may be relevant for S-100 and report to TSMAD15.	AU	ongoing

CSPCWG PROCEDURES

(with draft changes from CSPCWG4 – Action 8, in red)

**1. Correspondence**

- 1.1. Correspondence (including formal CSPCWG letters) will normally be by email (except where fax is necessary for sending non-digital graphics). Respondents are encouraged to use the 'Reply to all' option for responses, to ensure the full Working Group membership is aware of developing discussions.
- 1.2. It is necessary to ensure that personal address lists are updated when updated membership and contact lists are issued from time to time. These are dated and posted on the CSPCWG section of the IHO website.
- 1.3. Those WG members who have requested a hard copy will be sent follow-up hard copies of formal CSPCWG Letters. It is hoped that this requirement will cease in the near future.
- 1.4. Significant correspondence will be supplied to other CHRIS WG Chairmen and/or Secretaries as appropriate, for their WGs' information and seeking their input.

**2. Timescales**

- 2.1. Except where there is good reason for shortening the timescales, **8 weeks** will normally be allowed for responding to the first correspondence on a new subject. Thereafter, **4 weeks** will be allowed for responding to further correspondence on the same subject. The Chairman may extend the times allowed for complex issues at his discretion. The Secretary will ensure that the response date (if any) is clearly shown on all correspondence.

**3. Meetings**

- 3.1. Meetings will be held at least once every two years. During the revision of M-4, while activity in the WG is high, meetings will be held approximately annually. Although it is important to have issues which would benefit from a face-to-face discussion on the agenda, which may not be known until near the meeting time, in practice most members need to plan and budget for travel well in advance of the meeting. A meeting should last approximately three days.
- 3.2. Experience has shown that the majority of active WG members will not travel outside Europe for meetings, making a meeting elsewhere in the world unlikely to be viable. Meetings will therefore be held either at a European hydrographic office (by invitation) or at the IHB in Monaco. If practicable, meetings will be arranged 'back to back' with other meetings which non-European members attend, in order to assist their travel arrangements.

**4. Publications**

- 4.1. The principal task of CSPCWG at present is to update M-4 (The International Chart Regulations and Specifications). This is being progressed by sections with drafts prepared by Chairman and Secretary in 'MS Word' format, changes shown as 'track changes'. Where specific guidance is required, WG members may be asked to vote on their preference in an annex to the draft.
- 4.2. Feedback from WG members within the timescales above is considered by the Chairman and Secretary and incorporated into a revised draft as appropriate. Further drafts are circulated, until no further or minimal amendments are suggested.
- 4.3. Sometimes, after more than one round, the document becomes too big to be easily conveyed by email. In such cases, the Secretary may break it into parts, or if that does not solve the problem, arrange for the version, complete with track changes, to be posted on the IHO website as a pdf file.
- 4.4. The secretary then prepares an 'InDesign' pdf file, including the final graphics and layout, which is circulated to IHO Member States (under IHO CL) for comment and endorsement in accordance with M-4 B-160. A period of **three months** is allowed. A final version is prepared by the Secretary, taking account of any comments, and promulgated by a second IHO CL.
- 4.5. The Secretary supplies to IHB a CD containing:
  - A pdf file of the revised section. This will be available to download and incorporate into any extant hard copies, by replacing just the revised section.
  - A pdf file of the complete M-4, which is given a new edition number '3.xxx'. This may also include minor editorial corrections at the discretion of the Chairman. More significant corrections outside the revised section will be advised to IHO Member States in the covering IHO CL.

- A MS Word version which has new text highlighted in colour (and deletion retained as track changes). This copy is primarily intended to assist translators, but is useful to show what has been changed. In this version, formatting and graphics have not been updated.
- 4.6. All the above are posted on the IHO Website, the Word version being password protected for use only by IHO Member States. IHB issues a CL to announce the new edition and explain the changes, also drawing attention to any significant changes outside the revised section.
  - 4.7. The CD is retained by IHB, as an international archive of the development of M-4.
  - 4.8. CSPCWG is also responsible for maintaining M-11 Part A. Any changes will be dealt with in a similar way to the above, except that the final document is prepared in MS Word, not InDesign.
  - 4.9. Official INT 1 revisions are undertaken by France, Germany and Spain. **They consult within the INT 1 subWG, with the aim of achieving consistency (eg in English terms and descriptions).** New editions are announced by IHO CL. Notice to Mariner updates are posted on the IHO website, with links from the Publications download list and an announcement via a banner on the Homepage.
  - 4.10. INT 2 and INT 3 are published by Netherlands and UK respectively, on behalf of IHB. Raster files are provided to IHB for display in a password protected section of the IHO Website.
  - 4.11. **The CSPCWG is the authority for all terms and descriptions used in official M-4 supplementary publications. This authority is delegated to the INT1 subWG for INT1, and to the producers of INT2 and INT3, except where they deem it necessary to refer to the whole WG. Terms and descriptions in M-4's supplementary publications must be strictly in accordance with the specifications agreed by IHO Member States for incorporation into M-4. In INT1 however, they may be abridged to provide only the information essential to the chart user.**
  - 4.12. WG members are encouraged to advise the Secretary at any time of errors or omissions noticed in publications or information messages for which CSPCWG is responsible.

**Extract from CSPCWG4 document 07B, as a reminder:**

- 5.1 As M-4 is the specification, no updates or additions should be made to any of its official supplementary publications unless it is first published in M-4;
- 5.2 The terms used in any official M-4 supplementary publication must be identical to those used in the Chart Specification of the IHO;
- 5.3 The descriptions used in any official M-4 supplementary publication must be identical to or a sub-set of those used in the Chart Specification of the IHO;
- 5.4 That all English terms and descriptions used in the official INT1s be identical;
- 5.5 The CSPCWG is the authority for all terms and descriptions used in any official M-4 supplementary publications.

**Draft revised specification for charting of Mangroves  
CSPCWG5 Action 10**

**B-312.4 Mangroves.** The seaward limit of the mangroves must be a fine dashed line, backed by small mangrove symbols at intervals of about 10mm. The area of mangroves should normally be covered by intertidal tint and the high water line shown as coastline, using C1 or C2 as appropriate. On smaller scale charts it may be sufficient to show the seaward limit only, with land tint on the landward side.

If the area is extensive, mangrove symbols may be spread across it spaced in a diagonal pattern about 10mm apart. Alternatively, a legend 'Mangroves' may be inserted within the area, repeated as necessary. The legend should be in upright type, as the actual mangroves are an above water feature.

Insert 3 new graphics:

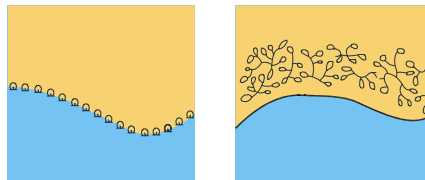
1. mangrove backed LW line with mangroves spread across intertidal area
2. mangrove backed LW line, with legend in intertidal area
3. mangrove backed coastline (for small scale charts)

Note that the seaward limit of the mangroves may be the actual low water line, or be landward of the low water line if other intertidal features, eg mud flats, extend further seaward than the mangroves.

If it is required to show an individual mangrove tree, the symbol C31.2 should be used. If it is conspicuous, the legend 'TREE' should be inserted alongside the symbol.

**A mangrove shore** was formerly represented by one of the following symbols, with land tint extended to the seaward limit of the mangrove area as this represents the apparent coastline and the limit of navigation.

With the increasing use of charts for non-navigational purposes, it is now considered better to show the 'real-world' situation, ie areas of mangroves should be shown over intertidal tint, as mangroves only exist in intertidal areas. The following symbols are now obsolescent.



Extract from CSPCWG4 record:

The meeting considered that the existing practice of showing mangrove areas as land reflected the fact that (unlike other intertidal areas) they are generally not navigable. However, with increasing use of charts for non-navigation information, it is better to show the real-world situation. It therefore agreed that as mangroves only grow in intertidal areas, it would be appropriate to use intertidal tint. The appropriate limits should be used, ie on the landward side, either a surveyed or unsurveyed coastline (C1, C2); on the seaward side, either a low water line or a fine dashed line (similar to the marsh edge (C33), backed by a line of mangrove symbols, or mangrove symbols spread over an area if required. The complex mangrove symbol is to be obsolescent. For a single conspicuous mangrove tree, C31.2 should be used.



Proposal for explanation of 'recommended' for M-4 and INT1

Draft for M-4:

Add new paragraph to B-434:

It is important to recognise that the word 'Recommended', used in connection with recommended tracks and other recommended routeing measures (see B-432, B-435.4, B-435.5) does not imply that it has been recommended by the charting authority. Usually it is recommended by a competent regulatory authority (such as a port authority within its port limits or a national maritime safety authority) and may be adopted by IMO. Occasionally, the recommendation may be based on advice from a competent surveyor or established by precedent.

Cross references required at B-432, B-435.4, B435.5. It may be useful to include in the Hydrographic Dictionary (S-32)

Draft précis for INT1

(to be included as a note, suitably placed within section M)

The term 'Recommended' in connection with tracks and routeing measures does not imply recommendation by the [country] hydrographic office. It is usually by a regulatory authority, but may be established by precedent.

**Status of Actions from CSPCWG4  
RESPONSE FORM**  
(to be returned to Secretary by 2 July 2008)  
[andrew.coleman@ukho.gov.uk](mailto:andrew.coleman@ukho.gov.uk)

<b>CSPCWG4 Action</b>	<b>Subject</b>	<b>Question</b>	<b>Yes</b>	<b>No</b>
8	CSPCWG Procedures	Do you approve the draft revisions to CSPCWG procedures at Annex B?		
10	Mangroves	Do you approve the revised specifications for the charting of mangroves, at Annex C?		
20	'Recommended'	a. Do you approve the proposal for an explanation on the meaning of 'recommended' in the context of routeing measures in M-4?		
		b. Do you approve the draft précis of the above for use as a note in INT1?		
38	S-49	Are you prepared to lead on the task of reviewing and updating S-49 (Recommendations concerning Mariners' Routeing Guides)?		

Comments : .....

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**Member State:** .....

Name .....

Date: .....