

CIRCULAR LETTER 58/2003
4 September 2003

15th CHRIS MEETING
IHB, Monaco, 10-13 June 2003

- Ref: 1) IHB Circular Letter 54/2002, dated 18 November 2002
2) IHB Circular Letter 40/2003, dated 20 June 2003
2) IHB Circular Letter 42/2003, dated 24 June 2003

Dear Hydrographer,

The final minutes of the 15th CHRIS Meeting held at the IHB, Monaco on 10-13 June 2003, as well as all documents referred to at this meeting, are available on the CHRIS page of the IHO website¹ (www.iho.shom.fr/COMMITTEES/CHRIS/CHRIS/CHRIS15/CH15Minutes.pdf). The Meeting was chaired by Mr. Ole BERG (Denmark). A list of actions arising from this meeting, with current status, is at **Annex A**. Member States' attention is drawn to the following main points:

IHO-Stakeholder Liaison Mechanism (see Section 4.2 of the Minutes)

Following a request from the IHB to prepare guidelines to be used and followed by Industry in co-operating with the IHO, based on a paper presented to the 3rd SPWG Meeting (Lima, Peru, May 2003), CHRIS/15 drafted a document "*A CHRIS proposal / discussion document on liaison mechanisms and guidelines for accredited organisations*" for consideration and further development by SPWG. Two possible organisational models for IHO external liaison, i.e. one single advisory board or a collection of NGOs, were identified in this paper (see Annex E to the Minutes). It was presented to the 2003 IHO-Industry Days (IHB, 16-17 June) and both CHRIS/15 and IHO-Industry Days attendees favoured the 2nd model, whereby accredited organisations liaise directly with IHO organs, as it was felt that obtaining a single view or position from a wide span of interests would be very unlikely. CHRIS/15's outcome was brought to the attention of the SPWG Chair via CHRIS Letter 3/2003², dated 18 June 2003.

Work of CHRIS (see Section 5 of the Minutes)

CHRIS/15 refined a CHRIS Work Plan template, which was subsequently completed by all six WG Chairmen, i.e. TSMAD, C&SMWG, DPSWG, SNPWG, CSPCWG and HGMIO. This document (see

¹ However, digital and/or paper copies of the final minutes will be available on request to the IHB (info@ihb.mc).

² CHRIS Letter 3/2003 is on the CHRIS page of the IHO website (www.iho.shom.fr/COMMITTEES/CHRIS/CHRIS/CHLET3-2003.pdf)

Annex F to the Minutes), which provides a detailed programme of activities for CHRIS and its WGs, in accordance with the current IHO Work Programme, will be posted on the CHRIS page of the IHO website and it will be revised at each annual CHRIS Meeting. In order to provide better structure in support of the work of CHRIS, the Meeting also adopted instructions for submission of proposals to CHRIS and WGs, including guidelines for establishing priorities (see Annex G to the Minutes).

ENC Consistency (see Section 5.2 of the Minutes)

CHRIS/15 discussed a paper from IC-ENC describing a number of inconsistencies between ENCs issued by various HOs, in terms of compilation scale, usage band assignment, use of the SCAMIN S-57 attribute etc., which were causing confusion and dissatisfaction among users thereby threatening the viability and take-up of official ENCs, and proposing recommendations to achieve greater ENC consistency worldwide. The Meeting agreed that the issues raised were fundamental problems and tasked TSMAD and C&SMWG to review these recommendations and formulate appropriate instructions to enable them to be implemented. Those instructions will then be made available on the IHO Encoding Bulletin section of the IHO website and MS' attention will be drawn to their existence and importance by CL.

TSMAD and S-57 (see Section 6.1 of the Minutes)

The Chair of TSMAD explained that development of edition 4.0 of S-57 is taking longer than expected, due to several major changes in the new edition, e.g. alignment with ISO/TC211 standards and accommodation of new types of data (matrix data, raster data, 3-D data etc.), and that a realistic introduction date for S-57 ed4.0 is now 2006 at the earliest. As 2004 is nominated in the current IHO work programme, MS were informed of the above revised date by CL 42/2003. The Meeting also agreed that Member States' views would be sought on agreeing a date beyond which ENCs conforming to S-57 ed3.0 ENC Product Specification would no longer be produced or used; only S-57 ed3.1 ENCs would, from that date, be in use. This was done by CL 40/2003.

The current Chair of TSMAD, Dr. Christopher DRINKWATER (United Kingdom), will resign in October 2003. CHRIS/15 overwhelmingly thanked Dr. DRINKWATER for his outstanding contribution as Chair, TSMAD (and previous WGs) to the development of electronic charting and associated data standards over at least the past 14 years. The IHB Directing Committee, on behalf of all IHO MS, wishes to associate itself with these thanks.

CHRIS/15 endorsed the selection of Mr Michael BROWN (USA) as the new Chair-elect of TSMAD.

C&SMWG, S-52 and the Presentation Library (see Section 6.2 of the Minutes)

The Chair of C&SMWG reported that new editions of S-52 Appendix 2 "Colours and Symbols Specifications for ECDIS" and its Appendix A "IHO Presentation Library" were planned for publication in October 2003, as part of Task 3.1.1 of the IHO Work Programme 2003-2007. In particular, the new PL will include a paper based description of all IHO symbols for ECDIS; colour calibration procedures for flat panel displays; and an improved, easier to use three colour table model, instead of the existing five colour table model. CHRIS/15 endorsed the recommendation to declare the new edition of the S-52 Presentation Library valid from its date of issuance, meaning that that all new ECDIS type approved after that date should employ the revised PL. In addition, the new PL will be mandatory for all ECDIS sold after 2005. The IHB will inform the IMO Maritime Safety Committee (MSC) of these new editions since S-52 App. 2 is referred to, as a footnote, in the IMO Performance Standards for ECDIS.

The Chair of C&SMWG suggested that S-52 and its three appendices could be significantly reduced in scope and volume, and that, ultimately, S-52 should essentially be limited to specifying the ECDIS display aspects. To that effect, an ad hoc group was set up by CHRIS/15, which should report on its findings and recommendations to CHRIS/16.

TAWG, DPSWG and the IHO ENC Security Scheme S-63 (see Sections 6.3 and 7 of the Minutes)

It was reported that Mr. Michael CASEY was stepping down as Chair of TAWG, due to his change of activities at the Canadian Hydrographic Service and his planned retirement in the coming year. Mr. CASEY had further suggested that TAWG, having practically completed its mandate, be disbanded, and that any remaining tasks be transferred to another WG. As one major activity of TAWG has been to monitor the development of Version 1 of the IHO ENC Security Scheme, through its Data Protection Scheme Advisory Group (DPSAG), CHRIS/15 agreed to disband TAWG and to relocate DPSAG as a WG reporting directly to CHRIS, i.e. to be renamed Data Protection Scheme Working Group (DPSWG). Terms of Reference for the DPSWG are in Annex J of the Minutes.

The IHB Directing Committee would like to join CHRIS/15 in commending Mr. CASEY for his work and efforts in leading TAWG.

Version 1.0 of the IHO ENC Security Scheme, to be published as S-63, is now close to completion. According to MS' decision (re: CL 66/2002), the IHB will act as Scheme Administrator (SA) of the S-63 Standard. MS will be informed of the S-63 availability by CL. In order to allow for stability in the implementation of S-63, CHRIS/15 agreed that Version 1.0 of the IHO security scheme shall be frozen for two years.

SNPWG (see Section 6.4 of the minutes)

CHRIS/15 approved revised Terms of Reference for SNPWG (see Annex K of the Minutes), limiting the WG's objective to the development of guidelines for the preparation of nautical publications, in a digital format compatible with ECDIS.

With a view to expediting the development of specifications / guidelines for nautical publications for ECDIS, in accordance with SNPWG mandate, a wider participation by MS in this WG is encouraged, in particular by representatives having a good knowledge of the S-57 Standard. The current SNPWG Membership is given in Doc. CHRIS15-6.4A, which is available on the CHRIS page of the IHO website.

Most of the actions for the IHB arising from CHRIS/15 have been completed. Those concerned with the remaining actions are requested to act on them as soon as possible.

The 16th CHRIS Meeting has been planned on 28-31 May 2004 at the Canadian Hydrographic Service, Ottawa. It will immediately follow the 2004 Canadian Hydrographic Conference.

On behalf of the Directing Committee

Yours sincerely,

(Original signed)

Rear Admiral Kenneth BARBOR
Director

Encls: - Annex A Action List from the 15th CHRIS Meeting

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ACTION LIST FROM CHRIS-15

ACTION	AGENDA ITEM	SUBJECT	ACTION(S)	STATUS
1	3 & 15	Compilation Scales for Electronic Chart data bases	Canada to take the proposal to the next US-Canada Hydrographic Commission meeting for investigation and provide a recommendation at a future date. In this exercise, consideration will be given to the ENC consistency principles (Doc. CHRIS15-5.2A) and the outcomes of the October 2003 TSMAD Meeting (follow up from CHRIS14, Agenda Item 4).	TBD
2	4.2 & 8	IHO/Stakeholder Liaison Mechanisms	CHRIS Chair to forward the document “ <i>A CHRIS proposal/discussion document on liaison mechanisms and guidelines for accredited organisations</i> ” (developed by CHRIS15) for consideration and further development by SPWG and to present it to the 2003 IHO Partnership Days.	Done (CHRIS Letter 3/2003)
3	5	CHRIS Work Plan	.1 Chair of CHRIS and Chairs of WGs to compile a CHRIS Work Plan using the approved templates (<i>CHRIS Work Plan - Version 1.2</i>), for inclusion with the minutes of the meeting. .2 Canada to develop templates for a “progress report” and “change note” and develop the accompanying flow chart to reflect the adopted text.	.1 Done (CL 58/2003) .2 TBD
4	5.1	Printed ENCs	USA to 1) poll industry on this matter; 2) provide the best sample of what can be produced; and 3) invite industry to describe what may be needed (in addition to current ENC Product Spec) to support the concept, then submit a more mature proposal for consideration by CHRIS at or before CHRIS/16.	In progress
5	5.2	ENC Consistency	.1 TSMAD and C&SMWG to review the recommendations contained in Doc. CHRIS15-5.2A and formulate and adopt appropriate instructions to enable them to be implemented (see details in Section 5.2). .2 IHB to then 1) make those instructions available on the IHO Encoding Bulletin web page; and 2) draw attention of IHO Member States to their existence and importance by CL.	.1 In progress .2 TBD
6	5.3	Harmonizing ENC/5-57 and DNC/DIGEST	TSMAD to continue the liaison and monitoring of IHO/DGIWG harmonization as part of S-57 e4.0 development activities.	Ongoing

7	5.4	Depiction of ESSA, PSSA and ATBA	<p>.1 CSPCWG (in consultation with TSMAD and C&SMWG) to review the work already undertaken by the former CSC with the aim of providing a depiction of ESSAs, PSSAs and ATBAs on paper charts that can be consistent with ENC and ECDIS. Then:</p> <p>.2 C&SMWG (in consultation with CSPCWG and TSMAD) to consider the requirements for consistent ECDIS symbology and propose appropriate solutions.</p> <p>.3 TSMAD (in consultation with CSPCWG and C&SMWG) to determine the requirements for S-57 to encode ESSAs and PSSAs and propose appropriate solutions.</p>	<p>.1 In progress</p> <p>.2 In progress</p> <p>.3 In progress</p>
8	5.6	New International Chart Symbols	CSPCWG (in consultation with C&SMWG and TSMAD) to develop symbology that can be consistent with ENC and ECDIS, to depict offshore wind farms, and ATBAs where activities are “not advisable”, based on the proposal contained in Doc. CHRIS15-5.6A.	In progress
9	6.1	TSMAD Work Plan, S-57 Status, and TSMAD Chair	<p>.1 IHB to issue a CL seeking MS’ views on agreeing a date beyond which ENCs conforming to the S-57 Edition 3.0 ENC Product Specification will no longer be produced or used. The CL will reiterate the status of S-57 e3.0, e3.1 and e4.0.</p> <p>.2 TSMAD to include in its Work Plan a new Work Item 2.9: <i>Edition 4.0 - Paper Chart Production</i>, with “medium” priority (M).</p> <p>.3 IHB to issue a CL to inform MS of the delayed introduction of S-57 e4.0 and that this will impact on the approved IHO Work Programme.</p> <p>.4 TSMAD to take note that Work Item 2.7 <i>Bathymetric/Hydrographic Data Content Specification</i> should concentrate on defining the hydrographic survey content and a supporting content model.</p> <p>.5 IHB, when forwarding CHRIS15 Minutes to MS, to announce the selection of Mr Mike Brown (USA) as the Chair-elect of TSMAD and to thank Dr Chris Drinkwater, as outgoing Chair, for his contribution to the development of electronic charting and associated data standards over at least the last 14 years.</p>	<p>.1 Done (CL 40/2003)</p> <p>.2 Done (CL 58/2003)</p> <p>.3 Done (CL 42/2003)</p> <p>.4 Done</p> <p>.5 Done (CL 58/2003)</p>

10	6.2	New editions of the C&S Specs. and PL, Review of S-52, and C&SMWG Work Plan	<p>.1 IHB to inform MS by CL of the proposed C&S changes, i.e. the planned publication (October 2003) of Ed. 4.2 of S-52 App.2 and Ed. 3.3 of the IHO PL.</p> <p>.2 IHB to inform IMO of the changes to the supporting IHO standards to the IMO Performance Standards for ECDIS (footnote reference).</p> <p>.3 CHRIS ad hoc WG (C. Andreasen, H. Hecht, M. Jonas, C. Drinkwater, M. Poulin, and L. Alexander) to review S-52, i.e. the main part, App.1, App.2 and App.3, to reduce its scope and volume, particularly by removing “operational” aspects for updating and by transferring the glossary on ECDIS related terms (App.3) into the Hydrographic Dictionary (S-32). USA (NIMA) and C&SMWG to review specifically App.1 and App.2, respectively.</p> <p>.4 C&SMWG to include a new Work Item in its Work Plan to align the presentation library with ISO/TC211 Standard 19117 “Portrayal”, with “medium” priority (M).</p>	<p>.1 Done (CL 58/2003)</p> <p>.2 TBD</p> <p>.3 In progress</p> <p>.4 TBD</p>
11	6.3	IHO Security Scheme and DPSAG Status	<p>.1 IHB to inform MS by CL that v1 of the IHO security scheme will be frozen for two years.</p> <p>.2 IHB, when forwarding CHRIS15 Minutes to MS, to announce that TAWG has been disbanded and that the Data Protection Scheme Advisory Group has been relocated as a WG reporting directly to CHRIS (the Data Protection Scheme Working Group - DPSWG), with revised TOR.</p>	<p>.1 Done (CL 58/2003)</p> <p>.2 Done (CL 58/2003)</p>
12	6.4	SNPWG’s TOR	IHB , when forwarding CHRIS15 Minutes to MS, to inform them of the amendment in the SNPWG TOR and to encourage MS’ participation in SNPWG.	Done (CL 58/2003)
13	6.5	Standard for INT NtM	CSPCWG to include a new Work Item in its Work Plan to review the requirement for the standardisation of International Notices to Mariners, with a “medium” priority (M).	Done (CL 58/2003)
14	15	Legal Status of Electronic Charts	IHB to produce French and Spanish versions of Doc. CHRIS15-15.1A (as edited by CHRIS and TSMAD Chairs at CHRIS15) and to publish it on the IHO website in English, Spanish and French for public reference.	Done (see ECDIS page on website)

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