



IHB File S3/8151/CHRIS

CIRCULAR LETTER 106/2008  
15 December 2008

**20<sup>th</sup> CHRIS MEETING**  
**Niterói, Rio de Janeiro, Brazil, 3-7 November 2008**

- References:
- a) IHB Circular Letter 122/2007 dated 18 December
  - b) IHB Circular Letter 89/2008 dated 13 November
  - c) IHB Circular Letter 90/2008 dated 13 November
  - d) IHB Circular Letter 91/2008 dated 13 November
  - e) IHB Circular Letter 92/2008 dated 14 November
  - f) IHB Circular Letter 93/2008 dated 17 November

Dear Hydrographer,

1 The [final minutes](#) of the 20<sup>th</sup> CHRIS Meeting held in Niterói, Rio de Janeiro, Brazil, on 3-7 November 2008, together with all documents referred to at this meeting, are available on the IHO website<sup>1</sup> ([www.iho.int](http://www.iho.int) > *Committees & WGs* > *CHRIS*). The meeting was held in two parts, with a Regional Capacity Building Seminar on ENC Production being held on 5 and 6 November. The CHRIS meeting was preceded by the usual Chair Group coordination meeting comprising the chairs of the various CHRIS subordinate bodies.

2 All events were hosted by the Brazilian Directorate of Hydrography and Navigation at their premises in Niterói. The CHRIS meeting was chaired by Captain Vaughan NAIL (UK). It was attended by 52 delegates from 21 Member States, including five from South America and three Non Governmental International Organizations (NGIOs). A list of actions arising from the meeting together with their current status, is provided in **Annex A**. A number of the actions for the IHB have already been completed.

3 The Committee reviewed the CHRIS Work Plan (Annex M of the Minutes) and the progress made by its various subordinate working groups. The existing governance and administrative arrangements for the hydrographic geospatial information infrastructure (GII) that is now supporting the development, maintenance and extension of IHO digital data standards and specifications, especially S-100, was reviewed and agreed by the Committee.

4 The Marine Spatial Data Infrastructures WG (MSDIWG) presented their report on the level and nature of the IHO's role in assisting Member States in their support of national spatial data infrastructures. The Hydrography and Cartography in Inland Waters WG (HCIWWG) also presented their report on the level and nature of IHO involvement in the hydrography and cartography of inland waters. The Committee commented on both reports which will now be submitted to the 4<sup>th</sup> Extraordinary Hydrographic Conference in June 2009 for consideration by all Member States.

5 The Committee invited France to lead a study into a standardised approach for defining the length of coastlines and to report back to the HSSC next year (see reference c). A correspondence group, also led by France will study the standardisation of Temporary and Preliminary Notices to

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<sup>1</sup> Digital and/or paper copies of the final minutes can be provided upon request to the IHB ([info@ihb.mc](mailto:info@ihb.mc)).

Mariners intended for use with ENCs and report back to the HSSC. The Committee also agreed to initiate a study on how a standardized dynamic water height function could be achieved in ECDIS using S-57-based ENCs.

6 The Committee agreed that the HCIWWG had completed its work. As a result, the HCIWWG was disbanded. The Committee also determined that it was not appropriate for the previously co-sponsored Harmonization Group on Marine Information Overlays (HGMIO) to become an IHO WG as a result of the withdrawal of the involvement of the International Electrotechnical Commission. Accordingly the HGMIO will continue as an independent coordination and harmonization group, advising and cooperating with the IHO as required.

7 The 20<sup>th</sup> meeting was the last meeting of CHRIS. On 1 January 2009 the CHRIS will be retitled Hydrographic Services and Standards Committee (HSSC) at which time it will incorporate all the IHO technical Working Groups and oversee all the technical aspects of the IHO Work Programme.

8 The inaugural meeting of HSSC (HSSC-1) has tentatively been planned on 19-23 October 2009 in Singapore, in conjunction and immediately after an International ECDIS Conference.

9 The current list of CHRIS members and observers, as known to the IHB, is provided at **Annex B**. Member States are requested to report any change to this list to the CHRIS Secretary ([mhuett@ihb.mc](mailto:mhuett@ihb.mc)).

On behalf of the Directing Committee  
Yours sincerely,



Captain Robert WARD  
Director

Encls: Annex A      Action List from the 19<sup>th</sup> CHRIS Meeting  
Annex B      CHRIS Membership and Observers List

## LIST OF ACTIONS FROM CHRIS-20 AND STATUS

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	STATUS (Dec. 08)
4.2	ECDIS software maintenance	20/1	<b>IHB</b> to submit a supporting paper to NAV55 on the relevance of software maintenance in ECDIS (based on the previous submission to NAV53)	
4.3	Use of ISO standards	20/2	<b>IHB</b> to seek confirmation from ISO that relevant ISO standards can be used in relation to S-100 without copyright restrictions.	
4.5	IEC 62376 & ECS standards	20/3	<b>IHB</b> to invite MS to consider contacting their IEC representatives and providing input to the consideration / acceptance of IEC 62376 - ECS Standard.	The closing date for final voting on IEC62376 was 5 December 2008. This was too soon after CHRIS-20 for IHB to release a CL and expect HO's to react and provide any meaningful input to their respective standards organizations. Therefore a <b>CL was not issued.</b>
4.6	Length of coastline	20/4	<b>France</b> to further study the feasibility of a standardised approach to the determination of the length of coastlines and report to HSSC-1.	
4.6	Length of coastline	20/5	<b>IHB</b> to invite MS to participate in the study led by France on the determination of the length of coastlines.	<b>Done.</b> See CL 90/08.
5.1	Dynamic tides in ECDIS	20/6	<b>TSMAD</b> in consultation with TWLWG, CSMWG and other relevant HO bodies to develop proposals to enable the use of tidal and water height information to adjust charted depths in S-57 based ECDIS equipment for consideration by HSSC-1.	
5.1	Data Supply Chain Certification	20/7	<b>IHB</b> to encourage MS to participate in the RTCA Correspondence Group on Data Chain Certification Concept.	<b>Done.</b> See CL 91/08.
5.1	Data Supply Chain Certification	20/8	<b>RTCA Correspondence Group</b> to liaise with DQWG and DPSWG.	

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	STATUS (Dec. 08)
5.1	Data Supply Chain Certification	20/9	<b>RTCA Correspondence Group Leader</b> to report on progress to HSSC-1.	
6.1	Product Specification for digital paper charts	20/10	<b>IHB</b> to invite the Nordic Hydrographic Commission (NSHC) to report to HSSC-1 on the results of the Improved Data Exchange Working Group and the possible need for an S100-based data exchange standard for paper charts.	
6.1	S-57 temporal attribution	20/11	<b>IHB</b> to issue a “warning” CL to MS and NGIOs regarding issues relating to S-57 temporal attribution and “master / slave” relationships, taking into account CHRIS20-WP1.	
6.1	S-57 temporal attribution	20/12	<b>TSMAD</b> to issue an encoding bulletin regarding issues relating to S-57 temporal attribution and “master / slave” relationships, based on CHRIS20-WP1.	
6.1	S-57 temporal attribution	20/13	<b>TSMAD</b> to urgently consider by correspondence revisions to S-57 temporal attribution and “master / slave” relationships, taking into account CHRIS20-WP1.	
6.1	S-57 temporal attribution & CATZOC	20/14	as soon as practicable and subject to no adverse findings from TSMAD, <b>volunteer MS’s</b> may wish to submit a late proposal to 4EIHC seeking approval for an amending Supplement to S-57 (S-57 3.1.2) containing revisions to S-57 temporal attribution and “master/slave” relationships which would also include amendments to CATZOC parameters and definitions (see Action 20/23).	
6.1	Geospatial Information Registry	20/15	<b>IHB</b> to develop a proposal to the 4 <sup>th</sup> EIHC for the long-term support and governance of the GII, taking into account CHRIS20-WP3 (to be combined with Action 20/16).	
6.1	Adoption of S-100	20/16	<b>IHB</b> to develop a proposal for consideration by the 4 <sup>th</sup> EIHC to adopt S-100 as a live standard.	
6.1	T & P Notices for ENC updating	20/17	<b>IHB</b> to issue CL inviting MS to participate in the ENC Updating Working Group (EUWG), based on CHRIS20-WP2.	<b>Done.</b> See CL 92/08.
6.1	ENC consistency	20/18	<b>TSMAD</b> to review S-65 Appendix A – <i>Recommendations for Consistent ENC Data Encoding</i> and revise as necessary to take into account the practical experience of Canada and the BSHC (see CHRIS20-06.01D and CHRIS20-06.1F) regarding the regional implementation of the guidelines.	

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	STATUS (Dec. 08)
6.1	ENC consistency	20/19	<b>IHB</b> to draw MS attention to the BSHC regional model for the implementation of S-65 Appendix A - <i>Recommendations for Consistent ENC Data Encoding</i> and the endorsement of WEND and CHRIS regarding this approach.	<b>Done.</b> See CL 89/08.
6.3	Linear depth areas	20/20	<b>TSMAD</b> to release an Encoding Bulletin on discontinuing the encoding of linear depth areas from 1 January 2009.	
6.3	Revision of S-52	20/21	<b>DIPWG</b> to undertake a revision of S-52, including all annexes.	
6.3	Pick report	20/22	<b>DIPWG</b> to further develop pick report as proposed in CHRIS20-06.3A.	
6.5	INT chart coordinators	20/23	<b>CSPCWG</b> to develop ToR / RoP for INT Chart Coordinators.	
6.5	Small/medium ENC schemes	20/24	<b>CSPCWG</b> to develop guidelines for preparation & maintenance of small / medium scale ENC schemes.	
6.6	CATZOC definitions	20/25	<b>IHB and Chair TSMAD</b> to bring amended CATZOC definitions into force through a supplement to S-57. (See also Action 20/14)	
6.7	MSDI at EIHC-4	20/26	<b>IHB</b> to prepare a proposal for the 4 <sup>th</sup> EIHC based on the MSDIWG report and CHRIS20-WP4.	
6.8	Inland waters at EIHC-4	20/27	<b>IHB</b> to prepare a proposal for the 4 <sup>th</sup> EIHC based on the HCIWWG report and CHRIS20-WP5.	
6.8	Definition for 'navigable inland waters'	20/28	<b>Hydrographic Dictionary WG</b> to consider developing a definition for "navigable inland waters".	
7.1	Hydro-related MIO register	20/29	<b>TSMAD</b> to further develop the infrastructure described in CHRIS20-06.1B Annex A for the governance and management of the GIL, to decide if a hydro-related MIO register is to be created, and report to HSSC-1.	
7.1	OEF Orphan S-57 objects / attributes	20/30	<b>TSMAD</b> in consultation with HGMIO to propose arrangements to HSSC-1 that accommodate the "miscellaneous" S-57 objects currently registered on the OEF	
7.1	Outreach functions	20/31	<b>IHB and Chair TSMAD</b> to review ToRs and RoPs for TSMAD to ensure that the proposed TSMAD outreach functions outlined in CHRIS20-07.1C are addressed.	TSMAD Chair has determined that there are <b>no amendments required.</b>

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	STATUS (Dec. 08)
8.1	Revision of M-3 TRs	20/32	<b>IHB</b> to circulate all CHRIS recommendations on M-3 Technical Resolutions to MS for approval.	<b>In progress.</b> See CL 93/08.
9.1	ToRs / RoPs & WP for HDWG	20/33	<b>Hydrographic Dictionary WG</b> to propose ToRs, RoPs and Work Plan to HSSC-1.	
9.1	WP for TWLWG	20/34	<b>Tidal and Water Level WG</b> to propose Work Plan to HSSC-1.	
11	Maintenance of S-66	20/35	<b>IHB</b> to invite the PRIMAR / IC-ENC Joint Information WG (JIWG) to maintain S-66 <i>Facts about Electronic Charts and Carriage Requirements</i> on behalf of HSSC as owner of S-66.	
12	Next meeting	20/36	<b>IHB</b> to confirm and promulgate arrangements for HSSC-1.	

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(December 2008)

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