



IHB File S3/8151/CHRIS

CIRCULAR LETTER 122/2007
18 December 2007

19th CHRIS MEETING
Rotterdam, The Netherlands, 5-9 November 2007
including
3rd ECDIS Stakeholders' Forum, 7-8 November

References:

- a) IHB Circular Letter 36/2007 dated 3 April 2007 – *Report on the 18th CHRIS Meeting*
- b) IHB Circular Letter 81/2007 dated 17 September 2007 - *Election of CHRIS Chairman*
- c) IHB Circular Letter 108/2007 dated 21 November 2007 - *ENC Consistency – S-65*
- d) IHB Circular Letter 109/2007 dated 30 November 2007 - *IEC 61174 Standard, Ed. 3*
- e) IHB Circular Letter 112/2007 dated 6 December 2007 - *HCIWWG – Request for info*
- f) IHB Circular Letter 113/2007 dated 7 December 2007 - *New Edition of S-63*
- g) IHB Circular Letter 120/2007 dated 17 December 2007 - *Use of CATZOC attribute*
- h) IHB Circular Letter 121/2007 dated 17 December 2007 - *Encoding of S-57 e3.1.1 objects*

Dear Hydrographer,

1. The [final minutes](#) of the 19th CHRIS Meeting held in Rotterdam, The Netherlands on 5-9 November 2007, together with all documents referred to at this meeting, are available on the CHRIS page of the IHO website¹ (www.iho.int > *Committees* > *CHRIS*). Also included is a summary report of the 3rd ECDIS Stakeholders' Forum which took place on 7-8 November in conjunction with CHRIS-19 (also included as Annex G to the Minutes). The CHRIS meeting was preceded by the usual Chair Group coordination meeting comprising the chairs of the various CHRIS subordinate bodies.

19th CHRIS Meeting

2. The CHRIS meeting, held at the site of the Europort Maritime 2007 exhibition, was chaired by the newly elected Chairman of CHRIS Captain Vaughan NAIL (UK) (see reference b) and co-hosted by the Netherlands Hydrographic Office and the UKHO. The meeting was attended by 52 delegates from 23 Member States and five Non Governmental International Organizations (NGIOs). Dr Mathias JONAS (Germany), currently Chairman of the Colours and Symbols Maintenance Working Group (CSMWG), was elected unopposed as the new Vice-Chairman of CHRIS. A list of actions arising from the meeting together with their current status, is provided in **Annex A**. Most of the actions for the IHB have already been completed. Your attention is drawn to Actions 19/6 (participation in S-101 development process), 19/12 (encoding of linear depth areas) and 19/31 (support to ECS Standard) which are for the attention of Member States.

3. The Committee reviewed the CHRIS Work Plan (Annex H of the Minutes) and the progress made by its various subordinate working groups. A conceptual model of the hydrographic geospatial information infrastructure (GII) that is now supporting the development, maintenance and extension of IHO digital data standards and specifications was presented (see Annex F to these Minutes). This was accompanied by a demonstration of the data registry application now being used to develop and extend S-57 and S-100 (more details at: www.iho.int > *Committees* > *TSMAD*).

¹ Digital and/or paper copies of the final minutes can be provided upon request to the IHB (info@ihb.mc).

4. Three new Working Groups (WG) were set up. The Data Quality WG was re-established to consider, among other things, how ISO Quality standards and specifications should be applied to hydrographic data. A Marine Spatial Data Infrastructures WG will prepare a report identifying the level and nature of the IHO's role in assisting Member States in their support of national spatial data infrastructures. A WG on Hydrography and Cartography in Inland Waters will prepare a report on the level and nature of IHO involvement in the hydrography and cartography of inland waters (see: Circular Letter at reference e).

5. The Committee was briefed on various measures now in hand to ensure better consistency in ENC's produced by adjacent States and, in particular, endorsed the conclusions made by the 1st Extraordinary WEND meeting encouraging compliance with the IHO guidelines, especially the use of SCAMIN and the observation that RENCs and RHCs have a vital role in ensuring consistency of ENC's. The Committee endorsed a revised version of "*Recommendations for Consistent ENC Encoding*"; and agreed that it should be included as an Annex to S-65 – *ENC Production Guidance* (see: Action 19/7 and the Circular Letter at reference c). A new edition of S-63 – *IHO Data Protection Scheme* was endorsed and has now been recommended to IHO Member States for formal approval (see: Action 19/16 and the Circular Letter at reference f).

3rd ECDIS Stakeholders' Forum

6. The 3rd ECDIS Stakeholders' Forum (ESF-3) was convened on 7-8 November 2007. ESF-3 was chaired by Captain Robert WARD, IHB Director and was attended by CHRIS-19 participants plus 40 representatives from a range of stakeholder groups including equipment manufacturers, data distributors, shipping managers and GIS software developers.

7. The work being undertaken by the CHRIS WGs, particularly in relation to the current ECDIS specifications S-57 and S-52 and its impact on existing systems, was presented. The meeting also considered the future S-100 hydrographic geospatial data standard and the development of the S-101 ENC product specification. Stakeholders were invited to actively participate in the further development of these standards. As a result, it was decided to convene an S-101 User Requirements Workshop in early 2008 at the IHB in Monaco² which will be attended by a number of Expert Contributors drawn from the stakeholders attending ESF-3.

Next CHRIS Meeting

8. The 20th CHRIS Meeting will take place in Brazil, and has provisionally been planned from 3 to 7 November 2008. It will be hosted by the Brazilian *Directorate of Hydrography and Navigation*. It is intended that CHRIS-20 coincide with other relevant regional workshops and seminars that will be able to call upon the expertise and experience of CHRIS members.

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).

On behalf of the Directing Committee
Yours sincerely,



Captain Robert WARD
Director

Encls: - Annex A Action List from the 19th CHRIS Meeting
- Annex B CHRIS Membership and Observers List

² Planned on 4-6 March 2008

LIST OF ACTIONS FROM CHRIS-19 AND STATUS

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	STATUS (Dec 07)
4.6	IEC 61174 – New Edition	19/1	IHB to urge MS by CL to consult their respective IEC voting bodies concerning the shortcomings of not including the extra tests for the proper implementation of the IHO Presentation for ECDIS (PresLib).	Done (see: IHB CL 109/2007)
5.1	Use of CATZOC	19/2	IHB to remind MS by CL of the need for and the use of CATZOC.	Done (see: IHB CL 120/2007)
5.1	CATZOC by DQWG	19/3	IHB to add consideration of CATZOC to the DQWG mandate.	Done (see: new clause 3.a)v. of DQWG ToRs)
6.1	Use of ISO texts in IHO standards	19/4	IHB , in consultation with Chairman TSMAD, to seek clarification from ISO, arguing that the S-100 work is complementary to ISO TC211 work and should therefore be exempt from any royalty payments; IHB to also pursue conclusion of an IHO-ISO MoU / Cooperation Agreement.	Done (see: IHB letter of 21 Nov 07 at Annex J to CHRIS-19 Minutes)
6.1	Emergency Wreck Marking Buoy	19/5	TSMAD to publish, on the IHO website, the ENC encoding bulletin on the Emergency Wreck Marking Buoy.	TBD
6.1	S-101	19/6	MS and all other stakeholders to actively participate in the S-101 development process.	TBD
6.1	ENC consistency	19/7	IHB to inform MS by CL of the endorsement by CHRIS of revised “ <i>Recommendations for Consistent ENC Encoding</i> ”, as an Annex to S-65 – <i>ENC Production Guidance</i> .	Done (see: IHB CL 108/2007)
6.1	ENC consistency	19/8	BSEHWG to report on ENC Consistency to CHRIS-20.	TBD
6.1	ENCs in NP bands 1 & 2	19/9	IHB to write to regional INT chart coordinators and RHC chairpersons, recommending that ENC coverage in Navigational Purposes 1 and 2 should be coordinated on a regional basis.	Done (see: IHB letter of 21 Nov 07 at Annex K to CHRIS-19 Minutes)

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	STATUS (Dec 07)
6.2	PresLib e3.4	19/10	IHB, in liaison with Chairman of CSMWG , to publish Edition 3.4 of the Presentation Library in early 2008, as part of S-52, Appendix 2.	In progress
6.2	C&S MD6	19/11	IHB to issue C&S Maintenance Document No. 6 before end 2007, to facilitate the entry of Edition 3.4 of Presentation Library with the revised IMO ECDIS Performance Standards for ECDIS.	Done (see: CSMWG page on IHO website)
6.2	Linear depth areas	19/12	Member States to continue encoding linear depth areas until at least 1 January 2009; to be reviewed at CHRIS-20.	Ongoing
6.2	Encoding of S-57 e3.1.1 objects	19/13	IHB to issue a CL proposing to MS that: <ul style="list-style-type: none"> • HOs consider issuing a Notice to Mariners to alert mariners when any of the new S-57 Supplement No. 1 (Edition 3.1.1) objects are first used in their ENCs, and • HOs encode INFORM and/or TXTDSC attributes of these new objects, so that the information is available in those out-of-date ECDIS that cannot display the new Objects or Attributes. 	Done (see: IHB CL 121/2007)
6.2	Symbol specifications register	19/14	IHB to monitor the continuation of activities to establish an IHO Symbol Specifications Register as part of S-100, to be done under an IHO contract of approximately 12,000 Euros per year.	In progress
6.2	S-101 user requirements workshop	19/15	Chairmen of CSMWG & TSMAD, and IHB to organize an S-101 user requirements workshop; it should also resolve cell loading issues, addressing the problems from both a data production and OEM perspective.	In progress; Workshop planned on 4-6 March 2008.
6.3	S-63 e1.1	19/16	IHB to seek MS approval by CL of the revised S-63 e1.1 in view of its publication.	Done (see: IHB CL 113/2007)
6.5	IALA buoyage policies	19/17	IHB to contact IALA regarding a reported review of buoyage policies and to inform the Chairman CHRIS if there is anything of significance to report.	Done (see: Annex L to CHRIS-19 Minutes)
7.1	Presentation of data quality	19/18	IHB to add consideration of " <i>presentation of data quality</i> " to the DQWG ToRs and, in liaison with Chairman of DQWG , to ensure that this topic be included as a	1st part Done (see: new clause 3.a)iv. of

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	STATUS (Dec 07)
			Work Item in the DQWG Work Plan.	DQWG ToRs). 2 nd part TBD.
8.1	MIO register	19/19	Chairman of HGMIO and IHB to establish an MIO Register for MIO S-57-based objects / attributes, product specifications, and portrayal. IHB to include MIOs in the IHO Geospatial Information Infrastructure (GII).	TBD
8.1	World Bank	19/20	Chairman of CHRIS to respond to the letter from The World Bank.	Done (see: Letter of 14 Nov 07 at Annex I to CHRIS-19 Minutes)
9.	OEF Discussion Forums	19/21	OEF Administrator to discontinue Discussion Forums on the OEF for CSMWG, DSPWG, SNPWG, and TSMAD.	TBD
9.	OEF S-57 Data Producer Codes	19/22	IHB and OEF Administrator to transfer the S-57 Data Producer Codes register from the OEF to IHO website.	TBD
9.	OEF S-57 based objects, not in S- 57 OC	19/23	IHB and OEF Administrator to move the various S-57 based objects, attributes and attribute values not contained in the S-57 object catalogue and which are currently registered on the OEF, to a "Miscellaneous" Register under the new IHO Registry (as described under Agenda item 6.1).	TBD
11.1	Revision of S-49 by CSPCWG	19/24	Chair of CSPCWG to include revision of S-49 as a new medium priority Work Item in the CSPCWG Work Plan.	Done (see: new task F in CSPCWG WP)
11.2	Review of TRs	19/25	CHRIS Chair Group to complete an initial review of TRs by correspondence, coordinated by IHB , and assign any follow-on action to the relevant subordinate bodies of CHRIS; recommendations and proposals for amendments to M-3 to be submitted for review at CHRIS-20.	In progress
12.	CHRIS Work Plan	19/26	IHB to circulate a revised consolidated CHRIS Work Plan (WP) incorporating all approved additional WP items to participants of the meeting for final comment.	Done (see: Annex H to CHRIS-19 Minutes)
12.	Consideration of 2008-2012 IHO WP	19/27	Chairmen of WGs to liaise with IHB to ensure their respective WPs are properly reflected in the 2008-2012 IHO Work Programme.	TBD

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	STATUS (Dec 07)
12.	Minimising SPAMs	19/28	IHB to review the way that email addresses are posted on the IHO website to ensure that inappropriate <i>trawling</i> of the Web and misuse of addresses is minimised.	In progress
12.	Updating of CHRIS WGs' Work Plans	19/29	Chairmen of WGs to present an updated WP on the last day of CHRIS meetings, incorporating the agreed changes discussed during that meeting.	TBD
12.	Removing of completed WIs	19/30	Chairmen of WGs to ensure that completed Work Items are removed from WPs after they have been reported at a subsequent CHRIS meeting.	Ongoing
13.	ECS Standard	19/31	MS to contact their IEC representative and request that the new IEC 62376 work item on ECS Standard be accepted.	Ongoing
13.	Standard lifecycle diagram	19/32	Chairmen of WGs to use the IHO's diagram of the lifecycle of a standard, as appropriate, when submitting WG progress reports. IHB to amend the relevant CHRIS reporting templates accordingly.	1 st part TBD. 2nd part Done (see: revised templates on IHO web)
13.	Limits of INT Regions B and C1	19/33	IHB to amend IHO Publication M-11 taking account of the letter to the CHRIS Chairman, dated 10 October 2007, from the MACHC and SWAtHC Chairpersons and which reported on MACHC & SWAtHC agreement regarding the limits of INT Regions B and C1.	TBD
13.	Purpose of ENC test dataset in S-64	19/34	IHB to include an explanation in the next edition of S-64 that the ENC test dataset is intended only to test the ability of ECDIS to handle ENC data, therefore excluding any testing of the optional SENC distribution capability.	TBD
14.	20 th CHRIS Meeting in Brazil	19/35	Brazil to organise the 20 th CHRIS Meeting in late 2008; meeting to coincide with other relevant regional workshops and seminars that will call upon the expertise and experience of CHRIS members; dates and venue of the meeting to be promulgated by January 2008.	In progress; tentative dates: 3-7 Nov 08.

CHRIS MEMBERSHIP AND OBSERVERS LIST
(December 2007)

Member States	Name	Email
Australia	<i>To be determined</i>	international.relations@hydro.gov.au
Brazil	Capt. Alberto P. COSTA NEVES Capt (Ret.) Wesley W. CAVALHEIRO	cneves@smm.mil.br wesley.cavalheiro@yahoo.com
Canada	Mr. Don VACHON	VachonD@dfo-mpo.gc.ca
Chile	LtCdr. Juan CUNEO	jcuneo@shoa.cl
China	Mr. ZHENG Hepping	hydro@msa.gov.cn
Cuba	Eng. J.C. MARANTE Cabrera	internacional@geocuba.co.cu
Denmark	Mr. Jens Peter HARTMAN	jepha@kms.dk
Ecuador	Cdr. Humberto GOMEZ	inocar@inocar.mil.ec
Estonia	Mr. Tõnis SIILANARUSK	tonis@vta.ee
Finland	Mr. Juha KORHONEN	Juha.Korhonen@fma.fi
France	Ing. en chef Michel EVEN Mr. Yves LE FRANC	even@shom.fr yves.le.franc@shom.fr
Germany	Mr. Horst HECHT Mr. Mathias JONAS (Vice Chair)	Horst.Hecht@bsh.de Mathias.Jonas@bsh.de
Greece	Mr. Alexis HADJIANTONIOU	dcd@hnhs.gr
India	Shri Rajesh KUMAR	inho@dataone.in
Indonesia	<i>To be determined</i>	info@indo.net.id
Italy	LtCdr. Alessandro NOBILI	iim.crt@marina.difesa.it
Japan	Mr. Toru KAJIMURA	Tooru-Kajimura@kaiho.mlit.go.jp
Korea, Rep. of	Director, Nautical Charts Division	info@nori.go.kr
Mexico	<i>To be determined</i>	hidrografia.mexico@gmail.com
Netherlands	Mr. Erwin WORMGOOR Mr. René van GEESBERGEN	E.WORMGOOR@mindef.nl r.v.geesbergen@mindef.nl
New Zealand	Mr. Richard MURCOTT	rmurcott@linz.govt.nz
Norway	Dr. Ole B. KVAMME Mr. Odd BREIVIK	ole.b.kvamme@statkart.no odd.breivik@statkart.no
Portugal	Lt. António Martins PINHEIRO	martins.pinheiro@hidrografico.pt
Russia	Capt. EGOROV	Gunio@homepage.ru
Singapore	Mr. Parry OEI	parry@mpa.gov.sg
South Africa	Capt. Abri KAMPFER	hydrosan@iafrica.com
Spain	Cdr. Angel CHANS	ihmesp@fn.mde.es
Sweden	Mr Åke MAGNUSSON	Ake.Magnusson@sjofartsverket.se
UK	Capt. Vaughan NAIL (Chair) Mr. Chris SMITH Mr Peter JONES Mr. Barrie GREENSLADE Mr. David ACLAND	Vaughan.Nail@ukho.gov.uk Chris.Smith@ukho.gov.uk Peter.Jones@ukho.gov.uk Barrie.Greenslade@ukho.gov.uk david.acland@ukho.gov.uk
USA (NGA)	RAdm Christian ANDREASEN	Christian.Andreasen@nga.mil
USA (NOAA)	Mr. Dave ENABNIT	Dave.Enabnit@noaa.gov
USA (NOO)	Mr. Max VAN NORDEN	maxim.vannorden@navy.mil
USA (USCG)	Mr. Jim RADICE	James.T.Radice@uscg.mil
USA (ACOE)	Mr. Tony NILES	Anthonyv.R.Niles@erdc.usace.army.mil

IHB	Name	Email
	Capt. Robert WARD Ing. en chef Michel HUET (Secretary)	robert.ward@ihb.mc mhuet@ihb.mc

Observers	Name	Email
DGIWG	<i>To be determined</i>	
IC - ENC	Mr. Graham SAUNDERCOCK	Graham.Saundercock@ic-enc.org
IEC & CIRM	Mr. Michael RAMBAUT Mr. Tor A. SVANES	mr@cirm.org svanes@C-Map.no
IEC/TC80/WG7	<i>To be determined</i>	JRyan@TheSkipr.com
OEF & HGMIO	Dr. Lee ALEXANDER	Lee.Alexander@unh.edu
IMO	Capt. Gurpreet SINGHOTA	gsinghota@imo.org
GEBCO	Dr Walter SMITH	Walter.Smith@noaa.gov
IOC Secretariat	Dr. Dmitri TRAVIN	d.travin@unesco.org
PRIMAR	Mr. Robert SANDVIK	Robert.Sandvik@primar.org
RTCA	Mr. Michael BERGMANN	Michael.Bergmann@jeppesen.com
RTCM	Mr. Fred GANJON	fganjon@starpower.net