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IHB File No. S3/8151/CHRIS

05 May 2005

CHRIS Letter No. 1/2005

To: CHRIS Members

Subject: 17th Meeting of CHRIS, 5-9 September 2005 and ECDIS Stakeholders' Forum, 6-7 September 2005, Rostock, Germany

Ref: 1) IHO Circular Letter 22/2005 dated 23 February 2005
2) IHO Circular Letter 26/2005 dated 10 March 2005

Dear Colleagues,

This letter provides information on the current status of actions arising from the 16th CHRIS Meeting (Ottawa, Canada, 28-31 May 2004); it further proposes a draft agenda for the 17th CHRIS Meeting, 5-9 September 2005, and a provisional programme for the ECDIS Stakeholders' Forum (formerly "Industry Days"), 6-7 September 2005, both to be held at the German Hydrographic Service (BSH) in Rostock. A CHRIS Chair Group meeting, comprising all chairmen of WGs and sub-WGs will also be held on 4 September. Practical information on these events will be provided at a later date.

1. Actions arising from CHRIS/16 – The status of all actions arising from CHRIS/16 was described in Annex A to CL 22/2005, showing that most of the actions for the IHB have been completed. A number of actions are however still pending; they have been summarized in **Annex C**. Those CHRIS members concerned with the remaining actions are kindly requested to take action as necessary and report on their status to the Chairman / Secretary.
2. Draft Agenda for CHRIS/17 – A provisional agenda for the 17th CHRIS Meeting is proposed at **Annex A**. Associated documents have also tentatively been listed. CHRIS Members are kindly requested to review this draft and provide any comments / new agenda items to the Secretary (mhuet@ihb.mc), copy to the Chairman (robert.ward@hydro.gov.au), **before 29 June 2005**.
3. Submission deadline for Documents - Documents intended for consideration at the meeting, e.g. Reports from WG Chairs, proposals for new work programme items etc. should be submitted to the Secretary **by 15th July 2005**, i.e. 7 weeks in advance of the meeting, in accordance with the "**Guidelines for the Submission of Reports and Proposals for Consideration by CHRIS and CHRIS Subsidiary Bodies**" (see

www.iho.shom.fr > Committees > CHRIS). All documents will be placed on the IHO website as and when they are received.

Those Member States, who wish to submit alternative proposals or make substantial amendments to a proposal, or who wish to make comments *in absentia* on documents posted prior to 15 July, should do so **no later than 12 August**, i.e. 3 weeks before the commencement of the meeting, and their submission should contain a maximum of 4 pages. Documents received after 12 August will be treated as information documents only.

4. I intend to break the meeting into smaller groups in the same way as during CHRIS/16 to progress certain items of work, following initial discussions of the principles in plenary. No discussions will take place in plenary during such a phase.
5. ECDIS Stakeholders' Forum – A provisional programme is proposed at **Annex B** I proposed this important meeting on ECDIS standards and the impact on “industry” in my recent letter to the IHB (**Annexe D**) published under cover of IHO CL26/2005. CHRIS Members and ECDIS Stakeholders (to whom this letter is copied) are kindly requested to review my letter and the draft agenda for the forum and provide any comments to the Secretary (mhuet@ihb.mc), copy to the Chairman (robert.ward@hydro.gov.au), **before 29 June 2005**.

I thank Germany for offering to host the 17th CHRIS Meeting and the ECDIS Stakeholders' Forum.

I am looking forward to seeing you all in Rostock.

Yours sincerely,



Captain Robert WARD
Chairman of CHRIS

Enclosures: Annexes A to D

Copy to: ECDIS Stakeholders

17th CHRIS MEETING
Rostock, Germany, 5-9 September 2005

PROVISIONAL AGENDA

1. Opening and Administrative Arrangements

Docs: CHRIS17-1A *List of Documents*
CHRIS17-1B *List of participants*
CHRISWG-MEM *Membership of CHRIS related WGs*
CHRIS-MEM *CHRIS Membership*

2. Approval of Agenda

Docs: CHRIS17-2A *Agenda*

3. Matters arising from Minutes of 16th CHRIS Meeting

Docs: CHRIS17-3A *Minutes of CHRIS-16*
CHRIS17-3B *Status of Actions List from CHRIS-16*
CHRIS17-3C *Terms of Reference for CHRIS Committee and related Working Groups*

4. Decisions of other IHO bodies affecting CHRIS

4.1 WEND Committee
Docs: CHRIS17-4.1A *Decisions of the 9th WEND Committee Meeting*

5. Reports by CHRIS Working Groups

5.1 Transfer Standard Maintenance and Application Development (TSMAD)
Docs: CHRIS17-5.1A *Report of TSMAD (M. Brown, USA-NOAA, Chair)*
CHRIS17-5.1B *The Next Edition of IHO S-57 (4.0), Version 1.1 - March 2005*
CHRIS17-5.1C *The ENC Product Specification Debate*

5.2 Colour and Symbol Maintenance (C&SMWG)
Docs: CHRIS17-5.2A *Report of C&SMWG (M. Jonas, Germany, Chair)*

5.3 Data Protection Scheme (DPSWG)
Docs: CHRIS17-5.3A *Report of DPSWG (R. Sandvik, Norway-ECC, Chair)*

5.4 Standardization of Nautical Publications (SNPWG)
Docs: CHRIS17-6.4A *Report of SNPWG (J. Melles, Germany, Chair)*

5.5 Chart Standardization and Paper Chart (CSPCWG)
Docs: CHRIS17-6.5A *Report of CSPCWG (P. Jones, UK, Chair)*

6. Work of CHRIS

Docs: CHRIS17-6A *Consolidated CHRIS Work Plan*

CHRIS17-6B *Guidelines for the Submission of Reports and Proposals for Consideration by CHRIS and CHRIS Subsidiary Bodies, Version 1.1 – January 2005*

CHRIS17-6C *Guidelines for the Evaluation of Proposed New work Items for CHRIS and CHRIS subsidiary bodies, Version 1.1 – January 2005*

6.1 Re-structuring the S-52 Package
Docs: CHRIS17-6.1A *Greece-IHO Submission to MSC 80 on amending the PS for ECDIS*

6.2 Printed ENC's
Docs: CHRIS17-6.2A *Printed ENC's (USA-NOAA)*

7. Marine Information Objects (MIO)

Docs: CHRIS17-7A *Report of HGMIO (by L. Alexander, USA-UNH, Chair)*

8. Open ECDIS Forum

Docs: CHRIS17-8A *Report on OEF Activities (L. Alexander, USA-UNH)*

9. Liaison with Industry

Docs: CHRIS17-9A *ECDIS Stakeholders' Forum - Programme*

10. Vector Data Development

10.1 RENCs
Docs: CHRIS17-10.1A *PRIMAR-Stavanger Status Report*
CHRIS17-10.1B *IC-ENC Status Report*
CHRIS17-10.1C *MBS Virtual RENC Status Report (Italy)*

10.2 ENC Development and Coverage
Docs: CHRIS17-10.2B *National Reports on ENC Development (IHB)*

10.3 DNC Development
Docs: CHRIS17-10.3A *Status Report on DNC Development (USA-NGA)*

10.4 Inland ECDIS
Docs: CHRIS17-10.4A *Status Report on Inland ECDIS development and Standardization (L. Alexander, USA-UNH)*

911. Raster Data Development

11.1 RCDS Mode of ECDIS
Docs:

12. Liaison with other Groups

12.1 ISO-TC211 (Geographic Information-Geomatics)
Docs: CHRIS17-12.1A *Report on TC211 Activities affecting CHRIS (IHB)*

13. Any Other Business

13.1 Review of Information Papers
Docs:

14. Date and Location of Next Meeting.

1600 • **S57 ENC Prod Spec – where to next ?**

▪ explanation / briefing / options

1630 ▪ open forum / discussion

1715 **Summarise Day 1**

Evening Function

DAY TWO – Wednesday 7 September 2005

• **S57 ENC Prod Spec – where to next ? (Continued)**

0900 ▪ open forum / discussion / conclusion / recommendations

0945 • **Community Involvement and Discussion Forums**

▪ overview brief

▪ future of OEF, who does it belong to? better ways of engagement?
participation?

1000 ▪ open forum / discussion / conclusion / recommendations

1030 **Coffee Break**

1100 • **Any other Business / Matters Arising**

1200 **Review of Meeting**

1215 **Close Meeting**

LIST OF PENDING ACTIONS FROM CHRIS/16 AND STATUS

AGENDA ITEM	ACTION No.	SUBJECT	ACTIONS (in bold, action by)	STATUS & COMMENTS (30 Apr 05)
5	3.	CHRIS Work Plan	.1 New Zealand and Canada to provide the Secretary with a worked example and clarification of the use of the templates. .2 Secretary to forward the revised templates and process diagram for change proposals to CHRIS Members for adoption.	Ongoing. Can be done only after Action 3.1 is completed.
5.2	5.	S-52 Package	.1 and .2 completed. .3 IHB to prepare a revised version of the S-52 main document, from the comments received from IMO, IEC and/or CIRM, for consideration and approval by CHRIS/17. .4 Secretary to coordinate completion of reconciliation between Hydrographic Dictionary (S-32) and Glossary of ECDIS-related Terms (S-52 App.3) by correspondence; then to handover to S-32 WG for ongoing maintenance.	Can be done only after IMO has acted on the IHO-Greece submission and their actions reflected in the revised IMO PS. Ongoing. This will be completed as soon as possible (May 2005).
5.3	6.	Printed ENC's	USA (NOAA) to continue with current investigations on the "Printed ENC's" concept, with an intention of reporting to CHRIS/17.	Ongoing.
6.1	7.	TSMAD Activities	.1 and .2 completed. .3 After endorsement by the CHRIS Chair Group on behalf of CHRIS, the "options paper" to be widely circulated by the Secretary to include all possible industry bodies seeking opinion and input from interested non-IHO parties by 1 March 2005. .4 Taking into consideration any responses, Chair TSMAD to monitor the development of an S-57 e3.1 ENC PS to S-57 e4.0 ENC PS roadmap for consideration by CHRIS/17. .5 and .6 completed.	Ongoing. See S-57 Ed4.0 Info Paper at www.iho.shom.fr and IHO S-57 Discussion Forum at http://195.217.61.120/smf/ Ongoing. Same as above.

6.2	8.	C&SMWG Activities	<p>.1 completed</p> <p>.2 Chair C&SMWG to liaise with ISO/TC211 to seek ways and indicative costs to align S-52 with the ISO standard 19117.</p> <p>.3 Chair C&SMWG to prepare a paper raising business case and proposal for IHO funding of C&S work as required, with target date of 1st October 04; IHB to then circulate this paper to MS by CL; could possibly be considered at the 3rd Extraordinary IHC (April 2005).</p>	<p>Ongoing.</p> <p>Ongoing.</p>
6.3	9.	DPSWG Activities	Chair DPSWG to provide revised ToRs for DPSWG, reflecting progress made, for consideration at CHRIS/17.	Ongoing.
7	11.	Liaison with Industry	Germany , as host of CHRIS/17, to devote a day in the middle of the meeting timetable to an “Industry Day” forum; this day will NOT be part of CHRIS/17.	Ongoing. The ECDIS Stakeholders’ Forum will take place on 6 and 7 September 2005.
8.2	12.	ENC Coverage Catalogue	<p>.1 IHB to investigate upgrading IHO website by displaying actual ENC data coverage to enable an enhanced ENC catalogue.</p> <p>.2 IHB to make ENC catalogue information available for third party use wherever cost impacts are minimal.</p>	<p>Ongoing. This matter is under consideration at the IHB.</p> <p>Ongoing. Same as above.</p>

Committee on Hydrographic Requirements for Information Systems (CHRIS)



President, IHB

For Information: Director 1, IHB
PAC, IHB

Dear Admiral Maratos,

As Chairman of the IHO Committee on Hydrographic Requirements for Information Systems (CHRIS), it has been brought to my attention that there is concern about the development of S-57e4.0 as an updated hydrographic data transfer standard, its possible impact on the production and implementation of S57e3.1 ENCs, and on associated ECDIS software. This is as a result of the information paper posted on the IHO website titled: "The Next Edition of IHO S57 (4.0)" (as reported in CL 83/2004 dated 7 December 2004, and posted at: http://www.iho.shom.fr/ECDIS/S-57_Ed4_Information_Paper.pdf) and more recently in statements contained in IHO C/L 22/2005.

The CHRIS is very aware of the significant investment and dependence that IHO M/S, ECDIS manufacturers, ENC production software developers and many others have on the current edition of the S57e3.1 ENC Product Specification (Prod Spec). For this reason, the S-57e3.1 ENC Prod Spec cannot be cancelled or replaced without very careful consideration.

No decision has been made to supersede the S-57e3.1 ENC prod spec with an S-57e4.0 ENC Prod Spec. So far, the only Prod Spec that has been endorsed for future development is for bathymetric/hydrographic data (see IHO C/L 18/99). However, little work has been done on this. In any case, neither this nor the development of S-57e4.0 will impact on current ENC production, ENC distribution, ECDIS manufacture or ECDIS usage.

Of course, the CHRIS needs to look to the future and ensure that the IHO's technical standards remain relevant and appropriate. It is in this context that discussion has commenced on the long-term future of the S-57e3.1 Prod Spec. In doing so, the CHRIS believes that full consultation with and consideration of the views from those potentially affected by any proposed changes to IHO technical standards and guidelines are critically important to the process.

In accordance with this principle, the TSMAD WG are setting up a discussion group dedicated to the topic of the future of the S57 ENC Prod Spec. It will be available through the IHO website at www.iho.shom.fr – via Committees? CHRIS? TSMAD SubWG to encourage debate over the long term future of the ENC Prod Spec and to identify all the issues.

In addition to this, I intend to follow up on this discussion by holding an "ECDIS Stakeholders Forum" in conjunction with the next CHRIS meeting. The ECDIS Stakeholders

Forum will take place in Rostock, Germany on 6-7 September 2005. The following questions will need to be answered:

- Should the S-57e3.1 Prod Spec stay frozen indefinitely?
- What are the important limitations of the s-57e3.1 Prod Spec?
- Are these limitations sufficiently serious that an upgrade/improvement program is necessary?
- If so, how can an upgrade/improvement program be achieved with the minimum impact on all concerned?

The Stakeholders Forum will be open to all parties that have an interest or involvement in ECDIS and ECDIS chart data. The results from the Forum will then be considered by CHRIS in the Meeting that follows immediately. As such, the Forum will be a significant opportunity for all "ECDIS stakeholders" to enlighten the CHRIS and influence the future direction of ECDIS and ENC standards.

In the meantime, I stress once again, that there are No current plans to supersede or replace the current S57e3.1 ENC Product Specification. Furthermore, no significant changes will take place without wide consultation with all the parties likely to be affected by any changes. I seek your assistance in promulgating this statement as widely as possible. Furthermore, I encourage all readers to consider the issues surrounding the S57 ENC Product Specification and to contribute to the forthcoming discussions both on the WWW and in Rostock.



Robert WARD
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2 March 2005