

**2nd IHO-HSSC Meeting
Rostock, Germany, 26-29 October 2010**

Report of the ENC Updating Working Group (EUWG)

Submitted by:	Chairman, EUWG
Related Documents:	- Minutes of HSSC1, Singapore, 22-24 October 2009 - IHB circular letter 04/2010
Related Projects:	/

Chair:	Yves Le Franc, France
Vice-Chair:	Richard Coombes, United Kingdom
Secretary:	/
Member States:	Australia, Canada, Denmark, Finland, France, Germany, Italy, Japan, Korea (Rep. of), Latvia, Netherlands, Norway, Portugal, Slovenia, South Africa, Spain, Ukraine, United Kingdom, USA.
Expert Contributor Organisations:	IC-ENC, Jeppesen Marine, PRIMAR
<i>see Annex A for full details</i>	

Meetings Held During Reporting Period

The WG works by correspondence. A meeting was not considered necessary to complete the work.

Work Program

The program is based on the action HSSC1/35 assigned to the EUWG: EUWG to develop a revised version of Appendix 1 to S-52 "Guidance for ENC Updating", for inclusion in S-65. The principal activities since HSSC1 are described below:

Analysis of S-52 Appendix 1

Appendix 1 is complex and out of date. The contents have been examined to identify which topics are covered. One topic in Appendix 1 is to provide specific guidance for the production of ENC updates by HOs. Another topic relates to the distribution of ENC updates, including frequency and QA, and the method for processing them into an ECDIS.

Specific guidance for the production of ENC updates

In the first instance the group focused, primarily, on specific guidance for the production of ENC updates. This guidance is currently under review before it is included in S-65. Guidance will refer to the new part of B-600 "Chart maintenance" of the S-4. Examples of items under review are as follows:

- maximum size of ER,
- maximum number of ER,

- criteria to decide to produce an EN or a re-issue
- ER which cause problem on ECDIS (An ER which cannot be imported or imports with errors)

Distribution of ENC updates and method for processing them into an ECDIS

With regard to this topic the WG has identified elements of the appendix 1 which are already referenced in other publications¹. The objective is to review these remaining elements.

Distribution of ENC updates

From a preliminary analysis by the WG it appears that:

- The remaining elements are mainly related to the distribution process between the ENC producer, the ECDIS user and the ECDIS. This process includes the RENCs and ENC service delivery to the end-user/ECDIS. This process is unique to S-52 appendix 1 and is not covered in existing publications.
- Producing HOs will strive to ensure that an adequate distribution process exists (WEND principles refer), it follows that the description of these processes and associated requirements are fully documented and transferred in S-65 after review.
- This review has just been launched. With the anticipated co-operation between the RENCs to harmonize their practices, this could provide significant and important input to this work.

Processing of updates by ECDIS

Elements related to the delivery of ENC updates to and their processing by the ECDIS are mostly covered by IMO A.817(19) and MSC.232(82) and IEC61174 which quote S-52 appendix 1. So as to avoid any impact on these publications, these elements should be retained, without change, in S-52 Appendix 1. This hypothesis is currently under consultation with EUWG members.

RNW on ECDIS

EUWG Chair liaised with WWNWS Sub-Committee through the French representative who reported some points during WWNWS SC meeting (Sydney, 9-13 August 2010). WWNWS SC will get involved in this subject.

Final draft of revised S-52 Appendix 1

Due to the time needed to review the document, the EUWG is not in a position to present a final draft to HSSC2.

Progress on HSSC Action Items

HSSC1/35: see work program

Problems Encountered

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Any Other Items of Note

- Following IHB circular letter 04/2010, Canada, Italy, Korea (Rep. of), Latvia, Slovenia, Spain and Ukraine joined the WG. PRIMAR previously joined. Some representatives also changed.
- New edition of S-65 has been adopted in November 2009. This new edition includes Guidelines for Encoding Temporary and Preliminary ENC Updates. It would be interesting to know if these Guidelines were helpful and encouraged more HOs to produce T& P ENC updates.
- The Chair and Vice-Chair of EUWG have been appointed by HSSC. If HSSC decides that EUWG activities should continue beyond HSSC2, a change to the TOR will have to be made. This relates to the election of the Chair and Vice-Chair by EUWG members and this will have to be addressed (taking into account that the group works by correspondence).

¹ WEND principles (RTK2.19), S-65, S-63, IMO resolution A.817 (19) and MSC.232(82), IEC 61174

Conclusions and Recommended Actions

EUWG work is focused on guidance for the production of ENC updated data and on the description of the delivery process and associated requirements (see revised Work Plan submitted as Annex B).

HSSC2 is invited to endorse the continuation of the activities of EUWG.

It is recommended that IHB makes a survey on the application of the Guidelines for Encoding T&P ENC Updates and to establish the status of production of T&P ENC updates for each nation.

HSSC2 is invited to examine the TOR and the possibility of the election of the Chair and Vice-Chair.

Justification and Impacts

Justification for the continued activity of EUWG is to provide a best practice guide to HOs for the production and distribution of updated ENCs and their subsequent delivery to the ECDIS.

Action Required of HSSC

The HSSC is invited to:

- Note the report.
- Endorse the Work Plan at Annex B.

Annex A

Membership of EUWG		
Member State	Name of Delegate	email
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EUWG Proposed Work Plan – HSSC2 to HSSC3

See report to HSSC2/Work programme

EUWG Tasks

- A. Guidance for the production of ENC updated data
- B. Description of the delivery process and associated requirements
- C. Writing of a revised S-65
- D. Writing of a revised appendix 1 of S-52
- E. RNW on ECDIS

Task	Work item	Priority H-high M-medium L-low	Milestones	Start Date	End Date	Status P-planned O-ongoing C-completed	Contact Person(s)	Affected Pubs/Standard	Remarks
A	Guidance for the production of ENC updates	H	Ongoing	01-2010	2010	O	Yves Le Franc Jeff Wootton Richard Coombes	S-65; S-52	
B	Description of the distribution/delivery process and associated requirements	M		09-2010	2011	P	Yves Le Franc Richard Coombes	S-65; S-52	Approximated timetable
C	Writing of a revised S-65	M		2010	2011	P	Yves Le Franc Richard Coombes	S-65; S-52	Approximated timetable
D	Writing of a revised Appendix 1 of S-52	M		2011	2011	P	Yves Le Franc Richard Coombes	S-65; S-52	Approximated timetable
E	RNW on ECDIS	M		2010					Liaise with other WG and follow progress