



Inland ENC Harmonization Group

12th Annual Meeting

October 6th – 9th 2014

Berlin, Germany

**Inland ENC Harmonization Group
12th Annual Meeting**

October 6th – 9th 2014

Location:

Bundesministerium für Verkehr und digitale Infrastruktur

Invalidenstraße 44

Meeting room: A 028 (ground floor)

10115 Berlin

Tel.: +49 3018 300 0

Web site: http://www.bmvi.de/DE/Home/home_node.html

Local contact: Wieland Haupt
 Tel.: +49 941 29721 300
 E-mail: wieland.haupt@wsv.bund.de
 Mobile phone: +49 175 2241 166

Draft Agenda of the IEHG meeting

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|---|---|
| 1. Welcome, Introductions of Participants, organizational details | Birgitta Schäfer,
Bernd Birkhuber, all |
| 2. Presentation on Inland ENC's and IEHG – Overview
[only if new countries participating] | Bernd Birkhuber |
| Update on the legal and organizational background
and the status of implementation in
U.S.
Europe
Brazil
China | Denise LaDue
Bernd Birkhuber
Flavia Mandarino
Liu Li |
| 3. [Presentations by the new participants about their
river/inland waterway network, navigation and cartography:
?] | ? |
| 4. Presentation of Inland ENC applications by private companies
Periskal
? | Gaël Billet
? |
| 5. Working methods of IEHG [only if new countries participating] | Bernd Birkhuber |

6. Election of the Core Group of IEHG	all
Election of the chairs	all
Amendment of the Terms of Reference [only if new countries participating]	Bernd Birkhuber
Election of the representatives of IEHG in the Domain Control Body and the Executive Control Body of S-100	all
Update of the Introduction of the Encoding Guide for Inland ENC [only if new countries participating]	Bernd Birkhuber
7. Annual Report to HSSC about IEHG	Denise LaDue
8. Status of development of S-99, S-100 and S-101 and future alignment of Inland ENC Product Specification with these standards	Denise LaDue, Chris Hudson, all
Discussion of the European proposal for symbols	
Discussion of the Feature Catalogue	
9. S-57 to S-100 converter development	???
10. Updates to the Encoding Guide and Product Spec	all
11. Update intervals and processes	all
12. Portrayal domain and specification for Inland ENCs	all
13. Proposals for quality standards for Inland ENCs	
recommended validation checks for Inland ENCs (based on S-58)	Bernd Birkhuber
minimum content of Inland ENCs	Bernd Birkhuber
accuracy information in Inland ENCs development for S-101?	?
14. Flow Velocity Informations of River Systems	Rolf Zentgraf
15. Use of USAGE and SCAMIN in Inland ENCs?	?
16. Updates of the Information documents on Inland ENCs (Inland ENC.doc and Inland ENC.ppt)	Bernd Birkhuber
Article for HYDRO International	(Lee Alexander)
17. Future operation of:	
the ienc.openecdis.org website	Bernd Birkhuber
discussion forum for Inland ENCs	Denise LaDue
IENC Register (as part of S-100 Registry)	Denise LaDue

18. Any other business

all

- How to encourage more countries/regions to join IEHG
- South America
- East Asia

19. Next meeting – Date and Location

Preliminary time schedule:

October 6th 2014

- 12:00 - 13:00 Arrival and Lunch
- 13:00 - 17:00 RIS in Germany (Nils Braunroth, Stefan Bober, Thomas Wagner)
CoRISMa (Anneke Bosma)
Digital Waterways Network (Wieland Haupt)
IES alignment with S101, discussion of details (Bernd Birkhuber)
(for interested participants)
- 17:45 - 21:00 visit of Berlin's waterways
boarding a passengers' ship at Weidendammer Brücke
guided inner city tour on river Spree (Karin Bischoff)
end of tour downtown at Weidendammer Brücke

October 7th 2014

Official start of the IEHG meeting

- 09:00 - 11:00 morning session
- 11:00 - 11:20 coffee break
- 11:20 - 13:00 midday session
- 13:00 - 14:00 lunch break
- 14:00 - 15:30 afternoon session
- 15:00 - 15:20 coffee break
- 15:20 - 17:00 continuation of afternoon session

- 18:00 guided walk through the city (Wieland Haupt)

October 8th 2014

- 09:00 - 11:00 morning session
- 11:00 - 11:20 coffee break
- 11:20 - 13:00 midday session
- 13:00 - 14:00 lunch break
- 14:00 - 15:30 afternoon session
- 15:00 - 15:20 coffee break
- 15:20 - 17:00 continuation of afternoon session

- 18:00 dinner

October 9th 2014

- 09:00 - 11:00 morning session
- 11:00 - 11:20 coffee break
- 11:20 - 13:00 midday session
- 13:00 - 14:00 lunch break
- 14:00 - 17:00 further work on the S-101 Alignment and
work of the Core Group on the conclusions of the meeting

Participants of 12th IEHG meeting:

Gael BILLET	Periskal cvba		g.billet@periskal.com
Bernd BIRKLHUBER	Ministry of Transport, AT	+43664 8188909	bernd.birkhuber@bmvit.gv.at
Nils BRAUNROTH	Bundesministerium für Verkehr und digitale Infrastruktur, DE		
CHEN Xuan	China Waterborn Transportation Institute		
David D'Aquino	Jeppesen	+39 340 1886346	david.daquino@jeppesen.com
Tom DE PUYT	ESRI	+1 (909) 362-6488	tdepuyt@esri.com
Wieland HAUPT	Fachstelle für Geoinformation Süd, DE	+49 175 2241 166	wieland.haupt@wsv.bund.de
Chris HUDSON	IIC Technologies Washington DC, USA		chris.hudson@iictechnologies.com
Jo JACOBS	TRESCO Engineering bvba		jo.jacobs@tresco.be
Denise LaDue	US Army Corps of Engineers	1-502-415-8228	denise.r.ladue@usace.army.mil
LI Dejun	China Waterborn Transportation Institute		
LIU Li	China Waterborn Transportation Institute	+86(0)13910876967	liuli@wti.ac.cn
Flavia MANDARINO	DHN – Brazil		flavia@chm.mar.mil.br
Gert MORLION	NV De Scheepvaart, BE		g.morlion@descheepvaart.be
Pierpaolo PANESI	Jeppesen	+39 335 7157783	pierpaolo.panesi@jeppesen.com
Bojan RASHKOV (or Plamen MINCHEV)	Bulgarian ports infrastructure company		b.rashkov@bgports.bg
László REDLY	TER-TEAM Kft, HU		redly@ter-team.hu
Eric ROTTMANN	SevenCs Bundesministerium für Verkehr und digitale Infrastruktur, DE		eric.rottmann@sevenscs.com
Birgitta SCHÄFER			birgitta.schaefer@bmvs.bund.de
Angel TERRY	Jeppesen Marine		angel.terry@jeppesen.com
René VISSER	WVL, NL		rene.visser@rws.nl
XUAN Chen	Director of Three Gorges Navigation Authority Office		
YANG Baocen	Changjiang (Yangtze River) Waterway		yangbaocen@hotmail.com

Rolf
ZENTGRAF

?

Bureau
Bundesanstalt für
Wasserbau
Changjiang (Yangtze
River) Waterway
Bureau

rolf.zentgraf@baw.de

Annex

Agenda points 1 to 5 should provide an introduction to the work of the Inland ENC Harmonization Group (IEHG) for new participants and provide the possibility for new participants to inform the group about their river/inland waterway network, navigation and cartography. The individual presentations should have a maximum length of 20 minutes.

If there are no new countries participating the agenda points will only deal with updates regarding the status of implementation.

Ad Agenda point 6

Election of chairs

According to the Terms of Reference of IEHG the group is electing chairpersons, vice-chairs and technical coordinators by simple majority vote. The Core Group consists of

- 1) Chair – Two persons (co-chairs) each from a different region. Only representatives of waterway authorities can become chairpersons.
- 2) One vice-chair from each region, which is not already a chair.
- 3) Technical Coordinators - One technical coordinator for each region.

Currently the Chairs are Denise LaDue (North America) and Bernd Birkhuber (Europe), the Vice Chairs are Flavia Mandarino (South America) and Fei Weijun (Asia).

The technical coordinators are Lee Alexander (North America), Yong Baek (Asia), Pieta Kluytenaar (Europe), Vladimir Sekachev (Russia) and Angel Terry (South America).

The meeting should confirm the current Core Group members or elect new members. Each region can elect its technical coordinator and its candidate for chair/vice chair. The whole group is electing the two chairs from the group of the candidates.

Amendment of the Terms of Reference

There might be requests for amendments of the Terms of Reference of IEHG (available at <http://ienc.openecdis.org/?q=node/19>)

Election of the representatives of IEHG in the Domain Control Body and the Executive Control Body of S-100

IEHG is the owner of the Inland ENC domain in the S-100 registry and has to nominate representatives for the Domain Control Body and the Executive Control Body of S-100 in accordance with S-99. Currently Denise LaDue and Pieta Kluytenaar are the representatives. IEHG should confirm the current representatives or elect new representatives.

Update of the Introduction of the Encoding Guide for Inland ENCs

The Introduction section of the Encoding Guide for Inland ENCs is containing a short history of IEHG. It should be updated if new countries have joined IEHG.

Ad Agenda point 7

Annual Report to HSSC about IEHG

IEHG is recognized as a NGO with observer status by IHO and is therefore presenting a report on the status of Inland ENC standardization and implementation each year to HSSC.

Ad Agenda point 8

Status of development of S-99, S-100 and S-101 and future alignment of Inland ENC Product Specification with these standards

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Ad Agenda point 9

S-57 to S-100 converter development

IEHG has been informed about the development of a converter for S-57 datasets to S-101 for test purposes. The information might be updated.

Ad Agenda point 10

Updates to the Encoding Guide and Product Specification

Change Requests for the Encoding Guide or the Product Specification should be transmitted at least six weeks before the meeting (i.e. before 25th August 2014). If everybody agrees with the Change Requests they are adopted before the meeting. If there are objections the Change Requests can be discussed at

the meeting. The meeting will try to find solutions for those CRs. The proposals of the meeting will be distributed via the discussion forum and will be adopted within a period of six weeks after the meeting.

Ad Agenda point 11

Update intervals and processes

The procedure for the adoption of Change Requests is defined in the Terms of Reference of IEHG (available at <http://ienc.openecdis.org/?q=node/19>).

If IEHG decides to publish a new edition of the Product Specification and the Encoding Guide or a new version of the Encoding Guide only it might discuss the time schedule for the publication and the implementation and use of the new edition/version.

Ad Agenda point 12

Portrayal domain and specification for Inland ENC

Up to now IEHG has only dealt with the harmonization of Inland ENC. There were different standards for the display of these charts in the various regions (e.g. the “Inland ECDIS standard” in Europe), because inland vessels do not travel from one region to another.

At the 8th meeting IEHG decided to set up an Inland portrayal domain within the S-100 registry, because one of the goals of IEHG is to ensure that maritime vessels are able to use Inland ENC when they are using inland waterways. The development of this new domain has to be based on the portrayal domain for maritime ENC, which was still under development last year.

IEHG might discuss how to establish cooperation respectively a transfer of knowledge from the working groups of IHO which are dealing with portrayal to IEHG. IEHG might also discuss how to develop a proposal for a portrayal standard and might set up a small task force for this task.

Ad Agenda point 13

Proposals for quality standards for Inland ENC

- **Recommended validation checks for Inland ENC** (based on S-58)

IEHG has developed and adopted “Recommended Validation Checks for Inland ENC, edition 1.1” which are based on S-58 and edition 2.1 of the Product Specification for Inland ENC.

IEHG has also developed and adopted “Recommended Validation Checks for Inland ENC, edition 2.3” which are based on S-58 and edition 2.3 of the Product Specification for Inland ENC.

- **Minimum content of Inland ENC and Minimum accuracy requirements**

The minimum content of an Inland ENC is specified in the Introduction of the Encoding Guide for Inland ENCs. Experience has shown that this rather abstract definition is not sufficient if an authority contracts a private chart producer for the production of official Inland ENCs. A European task force has developed a proposal for a more detailed specification of the minimum content and an Excel sheet which is also containing minimum accuracy requirements and update requirements. This Excel sheet is used as a recommendation in Europe. USACE is working on the implementation of this overview in the database which is also used for the production of the Feature Catalogue and the Encoding Guide for Inland ENCs.

- **Accuracy information in Inland ENCs**

At the 9th meeting IEHG came to the conclusion that it is quite difficult for the user to find the information on the accuracy of different objects in the Inland ENC. IEHG might discuss how to improve the information.

IHO is currently discussing the same topic. IEHG might discuss the results of IHO.

Ad Agenda point 14

Use of USAGE and SCAMIN in Inland ENCs

Pieta Kluytenaar has presented some problems and ideas regarding the use of USAGE and SCAMIN in Inland ENCs at the meeting of IEHG in 2010. There might be new developments which should be discussed with a view to possible amendments of the Encoding Guide for Inland ENCs.

Ad Agenda point 15

Updates of the Information documents on Inland ENCs (Inland ENC.doc and Inland ENC.ppt)

IEHG has agreed on an information document (Inland ENC.ppt, available at <http://ienc.openecdis.org/?q=node/19>) on Inland ENCs and the Inland ENC Harmonization Group (IEHG). It was proposed to develop also a text document. The meeting might discuss amendments of the information documents to take the latest developments into account.

IEHG could also discuss whether it would be useful to draft an article for HYDRO International.

Ad Agenda point 16

Future operation of the ienc.openecdis.org website

The website of IEHG has been hosted by the PLATINA project of the European Union and is hosted by the PLATINA 2 project from autumn 2013 onward. The meeting might discuss the latest developments and possible improvements of the content of the website.

Future operation of the discussion forum for Inland ENCs

The discussion forum is currently hosted by the USACE. The meeting might discuss possible improvements in the discussion forum.

Future operation of the IENC Domain (as part of S-100 Registry)

IEHG has set up an Inland ENC domain in the supplementary register of the S-100 Registry (see http://registry.iho.int/s100_gi_registry/FeatureConceptDics/fcd_home.php?register_type=2). The meeting might discuss possible improvements.