



Inland ENC Harmonization Group

28 - 30 September 2010
St. Petersburg

Welcome, introduction, organization

Many thanks to Vladimir Sekachev and the team of TRANSAS for organizing the meeting!

Introduction of participants

In memoriam Ludwig Steinhuber

Organizational details: please copy your presentations to the USB-stick

Does somebody need printouts of documents?

WIFI: connectmesecure

Time schedule

Tuesday, 28 September

- 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
- 15:30 - 15:50 coffee break
- 15:50 - 17:30 continuation of afternoon session
- 18:00 - 21:00 dinner in restaurant "Bergamot"

Time schedule

Wednesday, 29 September

- 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
- 15:30 - 15:50 coffee break
- 15:50 - 17:30 continuation of afternoon session
- 18:00 - 21:00 bus city tour

Time schedule

Thursday, 30 September

- 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
- 15:30 - 15:50 coffee break
- 15:50 - 17:00 continuation of afternoon session
- 17:00 end of the meeting

Agenda

1. Welcome, introductions of participants, organizational details
2. IENCs, the IEHG and the legal and organizational background
3. Working methods of IEHG
4. Waterways, navigation and cartography in China and South Korea
5. Enlargement of Core Group, election of chairs, amendment of ToR
6. Status of legal and practical implementation
7. Experiences of private companies
8. Annual report to HSSC (former CHRIS)
9. S-99, S-100, S-101 and future alignment
10. Updates to the Encoding Guide and Product Spec
11. Update intervals and processes
12. Quality standards for Inland ENC
13. Use of USAGE and SCAMIN in Inland ENC
14. Information document on Inland ENC
15. Future operation of ienc website and discussion forum
17. Any other business, next meeting

Inland ENCs and the Inland ENC Harmonization Group (IEHG)

Inland ENCs, the Inland ENC Harmonization Group (IEHG),
its legal and organizational background
in Europe, the US, Russia and Brazil

IENTC Presentation

IEHG – composition and organization

Composition - IEHG is a combined government/non-government technical group

Regions – IEHG regions are comprised of countries within a continent (North America, South America, Asia) or a recognized social-economic region (Europe, Russian Federation).

Organization – By simple majority vote, chairpersons, vice-chairs and technical coordinators are elected.

IEHG – membership

All the members of IEHG should have current expertise in the field of Inland ENC.

Participants – Anyone who is involved in the production of Inland ENCs or the production of Inland ENC applications and representatives of user groups can participate in IEHG, make proposals and take part in the discussions.

Members - Representatives of competent authorities involved in the provision of Inland ENCs are entitled to become members. If proposed by a competent authority, membership can also include expert contributors.

IEHG – procedures

Meeting Schedule - The IEHG normally meets once per year. If required, there can be an additional meeting or the meeting can be postponed.

Discussion Forum - The IEHG uses the internet as a discussion platform in the time between the meetings. Every participant of IEHG is entitled to start a new discussion topic and to take part in discussions about Inland ENC's.

Task Groups - The IEHG may decide to form a task group for the drafting of specific proposals.

Proposal Submission and Review: see Terms of Reference

IEHG – formalization of standards

The IEHG submits Inland ENC standards for formalization to:

- 🌐 Interested international organisations like IHO, the European Commission (EC), the Central Commission for Navigation on the Rhine (CCNR), the Danube Commission (DC) and the Economic Commission for Europe of the United Nations (UN/ECE),
- 🌐 National waterway authorities (e.g., United States Army Corps of Engineers (USACE), Russian Ministry of Transport) and
- 🌐 National Hydrographic Services (e.g. Directorate of Hydrography and Navigation of the Brazilian Navy (DHN))

New regions

Presentations by the new participants about their
river/inland waterway network, navigation and cartography

China

South Korea

Enlargement of the Core Group



By simple majority vote, chairpersons, vice-chairs and technical coordinators are elected.

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.
4. Core Group – The two Chairs, the vice-chairs and Technical Coordinators.

Election of chairs



Chair – Two persons (co-chairs) each from a different region. Only representatives of waterway authorities can become chairpersons.



One vice-chair from each region, which is not already a chair

Current co-chairs:

Denise LaDue (USACE, North America),

Bernd Birkhuber (MoT of Austria, Europe)

Current vice-chair:

Flavia Mandarino (DHN, Brazil)

Proposals for the coming period?

Election of technical coordinators



Technical Coordinators - One technical coordinator for each region

Current technical coordinators:

Lee Alexander (UNH CCOM, North America)

Peter Kluytenaar (Serendipity, Europe)

Vladimir Sekachev (TRANSAS, Russia)

Angel Terry (Jeppessen, South America)

Asia?

Amendment of the ToR



The Terms of Reference are referring to Europe, North America, the Russian Federation and South America and have to be amended to take into account the new members from Asia and the latest developments at IHO

ToR

Status of implementation

Presentation of the status of legal and practical implementation of Inland ENC's in

- Brazil (Flavia Mandarino)
- Europe (Bernd Birkhuber)
- North America (Denise LaDue)
- Russian Federation (Vladimir Sekachev)

Experiences by private companies

Information on experiences with Inland ENC's and applications

CARIS

Jeppesen

7 Cs

T-KARTOR

Annual report to HSSC

 Annual report to HSSC (former CHRIS)

Report 2009

S-99, S-100, S-101 and future alignment

- 📄 S-100 has entered into force on 1st January 2010

- 📄 S-101 is expected for

Lee

- 📄 Copied feature classes and attributes have to be replaced and are already marked as “retired” in the register





- 📄 The additional attributes and enumerations have to be registered

- 📄 The FC, the EG and the Product Specification have to be updated






Updates of the Encoding Guide

Change Requests 2010

Update intervals and processes

-  An update of the EG can be adopted by IEHG within 6 weeks
-  Adopted updates may be used in a region (depending on regional regulations), but a new edition of the EG, FC and Product Specification is only published after a decision of the IEHG meeting (procedure adopted by IEHG in 2009)
-  Ed. 2.2 has been published by IEHG in spring 2010
-  When should the next edition be published?

Quality standards for Inland ENC

	recommended validation checks for Inland ENCs (based on S-58)	Bernd	
	minimum content of Inland ENCs	Peter	
	minimum accuracy requirements	IRIS II	xls
	accuracy information in Inland ENCs	Peter	
	verification of completeness of Inland ENCs	Peter	

Use of USAGE and SCAMIN



Evaluation of the use of USAGE and SCAMIN in Inland ENC's

information

Information document on Inland ENC

- Lee proposed to develop a document that provides information on Inland ENCs and the relation and the differences to maritime ENCs
- The first draft has been accepted at the last IEHG meeting, amendments have been made in the meantime
- The document can be used by every member of IEHG for presentations, discussions, explanations
- Comments?
- Amendments regarding Asia?

information

Operation of Web Services

Future operation of



ienc.openecdis.org website

<http://ienc.openecdis.org>















Discussion forum









IENC domain in the registry of IHO

http://www.iho-wms.net:8080/iho_registry/home.php?start=1

Any other business, Next Meeting

-  Update CR and list of CR (Bernd)
-  Update EG (Denise)
-  Update FDD (Eric, Peter and Denise)
-  Update FC (Flavia)
-  Update Product Specification (Bernd)
-  Update Recommended validation checks (task force)
-  Investigate Portrayal Register (Lee, Eivind?)
-  Report to HSSC (Lee)
-  Inland ENC ppt (Bernd, input from everybody)
-  Article for HYDRO Int. (Lee)
-  Investigate matters of accuracy portrayal (Lee and Peter)
-  Invitation letter to S.Am. Countries (Core Group and Carlos)

Any other business, Next Meeting

-  How to encourage other countries to join IEHG?
South America / Asia
-  Any other business?
-  Next meeting of IEHG: where and when ?
-  Changes to the agenda of next meeting?
-  Departures
-  Dinner (yesterday, today)
Funny boatman

Thank you, Vladimir, for the organization!
Thank you all for participation!