



Hydrographic Services and Standards Committee

Report

to

HSSC-9, 6-10 November 2017

Status Report on Inland ENC Development and  
Standardization

# IEHG14 – 2017 Annual Meeting

- ✦ Hosted by Diretoria de Hidrografia e Navegacao (DHN) in Niteroi, Brazil, 10-12 October 2017
- ✦ Representatives from Europe, North & South America and Asia were in attendance.
- ✦ Key Topics included:
  - Updates on Inland ENC activities in the various regions
  - Review and acceptance of change requests
  - IEHG alignment with IHO S-100, S-99, S-101 and the GI Registry



# Change Requests

- ✦ IEHG has established a process for submitting proposals for amendments (i.e., Change Requests) to Inland ENC standards. This includes the Feature Catalogue, Product Specification, Encoding Guide, and Validation Checks.
- ✦ Every participant in IEHG is entitled to submit proposals. Proposal submission and review is described in Annex A of the IEHG Terms of Reference.
- ✦ At IEHG14, eighty-three (83) Change Requests were reviewed. Changes which do not affect the Feature Catalogue will go into effect in January 2018. Changes which affect the Feature Catalogue will go into effect with the release of the next edition of the IENC Product Specification.



# Effective Dates of IENC Standards

Feature Catalogue & Product Spec	Date effective	Encoding Guide	Date effective	IENC Validation Checks	Date effective
2.0		1.0	Oct 2005		
	---	1.1	Oct 2006		
	---	1.2	Dec 2006		
2.1		1.3	Feb 2008		
	---	1.3.1	May 2008	2.1	June 2010
2.2	Feb 2010	2.2.0	Feb 2010		
2.3	Jun 2011	2.3.5	Mar 2013	2.3	Jun 2011
		2.3.6	Jan 2014	2.3 corr. 1	Dec 2013
2.4	Apr 2015	2.4.0	Apr 2015	2.4	Mar 2016
IEHG-S-401 (to be aligned with S-101)	TBD				



# Alignment of “IEHG S-401” with IHO S-101

- ✦ Since the last IEHG meeting in 2015, the IEHG has continued working to align S-401 with the draft IHO S-101
- ✦ Portrayal Catalogue – the IEHG plans to:
  - align its approach with S-101 Portrayal domain
  - use S-101 symbols where possible; and inland-specific symbols, which have already been produced, where necessary
  - establish an Inland ENC Portrayal Domain in S-100
  - register all inland specific symbols
  - make use of the PCB when it becomes available.



# Alignment of “IEHG S-401” with IHO S-101

- ✦ Feature Catalogue – the IEHG plans to:
  - follow S-101 as much as possible to ensure compatibility
  - leverage the S-101 Feature Catalogue as a starting point for the S-401 Feature Catalogue
  - continue to use the Encoding Guide as the central element of standardization.
  - use of the Feature Catalogue Builder when finalized



# Development of Bathymetric Inland ENC's

- ✦ The IEHG has begun to align the product specification for Bathymetric Inland ENC's with S-100
- ✦ The IEHG would like to register for the use of IEHG S-402 for Bathymetric Inland ENC's.



# Inland ENC Website

- ✦ All Inland ENC publications and functions are hosted at a consolidated Inland ENC site (<http://ienc.openecdis.org>)
- ✦ Key publications include:
  - IENC Product Specification, Ed. 2.1/2.2/2.3/2.4
  - Recommended Validation Checks for Inland ENCs, Ed. 2.1/2.3/2.4
- ✦ The site also contains:
  - Information about the work of the IEHG (Terms of Reference, Annual Meeting Minutes, presentations, etc.)
  - Status of IENC coverage and availability (as reported)





# Action required of HSSC

- ✦ Note the activities related to Inland ENC standards development and implementation.
- ✦ Allocate S-402 for the Bathymetric Inland ENC

