



Hydrographic Services and Standards Committee

Report

to

HSSC-6, November 2014

Status Report on Inland ENC Development and
Standardization

IEHG12 – 2014 Annual Meeting

- ✦ Hosted by the Federal Ministry of Transport and Digital Infrastructure, Berlin, Germany, 7-9 October 2014
- ✦ 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 IHO S-100 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 IEHG12, sixteen (16) Change Requests were reviewed. The next edition of the IENC Product Specification (2.4) is expected to be presented at IEHG 13 (2015). All change requests which have been adopted since 2011 which affect the Feature Catalogue will be included in the IENC 2.4



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	Jul 2014	2.3 corr. 1	Dec 2013
2.4	[fall 2015]	2.4.0	[spring 2015]		
IEHG S-401 (to be aligned with S-101)	TBD				



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

- ✦ At IEHG 12, several IHO S-101 development-related matters were discussed.
 - The IEHG plans to align its approach to the development of a Product Specification, Portrayal Catalogue and Feature Catalogue with S-101 to ensure maximum compatibility.
 - The IENC Feature Catalogue will use only the features of S-101 which are currently described in the IENC EG, however all attributes and enumeration of S-101 features and all inland specific elements will be included.
 - The IEHG will utilize S-101 as the basis for its Product Specification; a draft is planned to be presented at IEHG 13 (Fall 2015).
- ✦ IEHG has some concerns regarding the S-100 Registry and previously registered enumerated values being duplicated in the S-101 Data Classification and Encoding Guide (DCEG).



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 Specifications, Ed. 2.1/2.2/2.3 (May 2011)
 - Recommended Validation Checks for Inland ENCs, Ed. 2.1/2.3 (June 2013)
- ✦ 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 by region)
 - A link to the IENC Discussion Forum



Action required of HSSC

- ✦ Monitor the developments of the IHO S-100 Register as it relates to the Inland ENC domain to ensure that enumerated values within the register which are already in use by the IEHG are maintained (duplicated values within the DCEG presently exist).
- ✦ Note the activities related to Inland ENC standards development and implementation.

