Meso-American - Caribbean Sea Hydrographic Commission (MACHC)

Report of the Inland ENC Harmonization Group (IEHG14)

DIRECTORATE OF HYDROGRAPHY AND NAVIGATION/BR

AGENDA ITEM

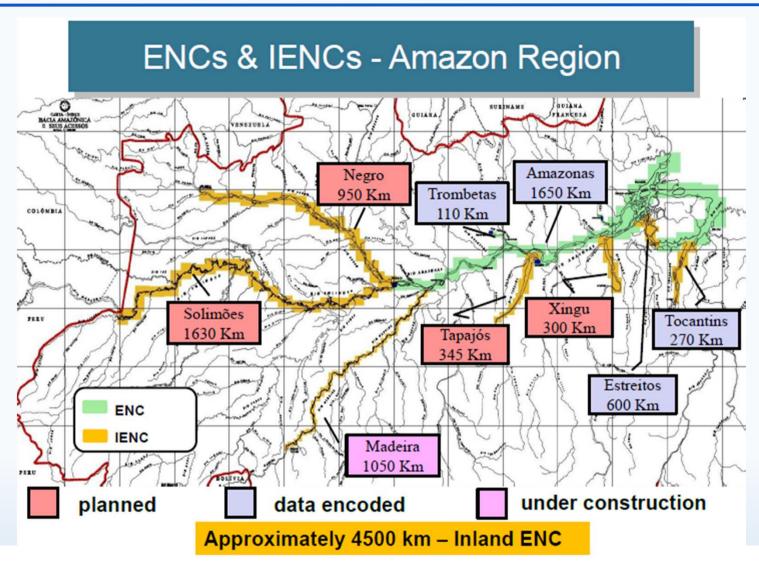
- The Inland ENC Harmonization Group (IEHG) was formed in 2003 by North America and Europe to facilitate the development of international standards for Inland ENC data. The IEHG meets once per year. However, most of the work is accomplished via e-mail correspondence.
- The goal of the IEHG is to agree upon specifications for Inland ENCs that are suitable for all known inland ENC data requirements for safe and efficient navigation for European, North and South American and Russian Federation inland waterways. However, it is intended that this standard meet the basic needs for Inland ENC applications, worldwide.

- Annual meeting of IEHG was hosted by DHN/BR in Niteroi, Brazil, from 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; and
 - IEHG alignment with IHO S-100, S-99, S-101 and the GI Registry.

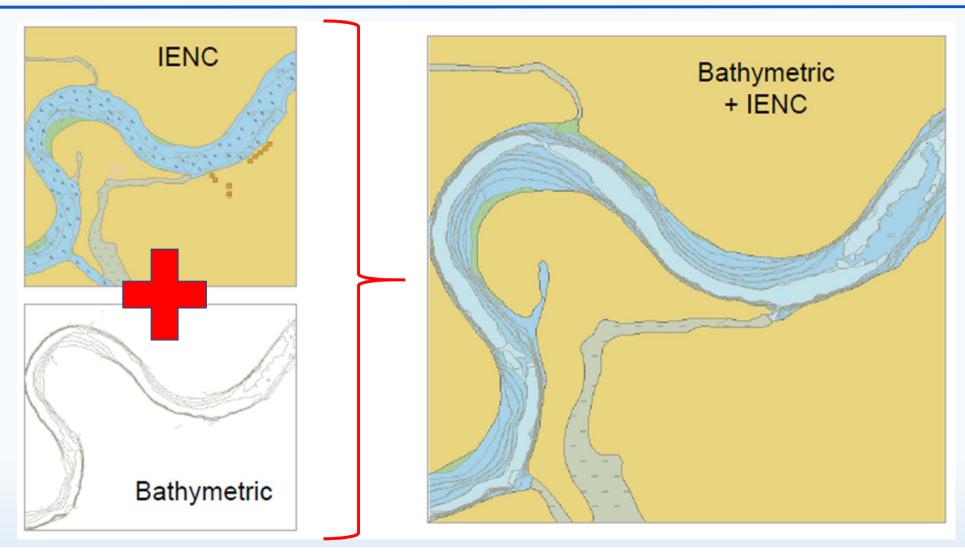
- <u>Change Requests</u>: IEHG has established a process for submitting proposals for amendments (i.e., Change Requests) to Inland ENC standards. This includes the Feature Catalogue, Product Specification, Encoding Guide, and Validation Checks. Every participant in IEHG is entitled to submit proposals. Proposal submission and review is described in Annex A of the IEHG Terms of Reference.
- At IEHG14, 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.

- Since the last IEHG meeting in 2015, the IEHG has continued working to align S-401 with the draft IHO S-101 (new ENC Product Specification) Interoperability;
- The IEHG has begun to align the product specification for Bathymetric Inland ENCs (b-IENC) with S-100 (Universal Data Model) Parallel to the development of b-ENC (S-100/ENCWG), registering the number S-402 for Bathymetric Inland ENCs.
- All Inland ENC publications and functions are hosted at a consolidated Inland ENC site (http://ienc.openecdis.org)

Coverage – Amazon Basin (Brazil)



b-IENC — Paraguay River (Brazil)



Future work programme

• Effetive Dates of IENC standards:

FEATURE CATALOGUE & PRODUCT SPEC	DATE EFFECTIVE	ENCODING GUIDE	DATE EFFECTIVE	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				

Future work programme

