International Centre for Electronic Navigational Charts



IC-ENC Update to SAIHC15

August 2018



Agenda

- IC-ENC Introduction
- IC-ENC Services
 - ENC Production Support for HOs
 - IC-ENC Validation
 - ENC Distribution
 - Revenue Management & Finances
- IC-ENC Governance



IC-ENC Members (43)

Argentina	Australia	Bahrain
Belgium	Brazil	Chile
Colombia	Cuba	Denmark
Ecuador	Egypt	Germany
Greece	Iceland	Italy
Israel	Malaysia	Malta
Mexico	Mozambique	Netherlands
New Zealand	Oman	Pakistan
Panama	Peru	Philippines
Portugal	Romania	Russia
Slovenia	Solomon Islands	South Africa
Spain	Suriname	Tunisia
Turkey	United Kingdom	United States
Uruguay	Venezuela	Bangladesh

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Membership & IC-ENC Offices





Our Mission

To provide services, at a low cost, to national Hydrographic Offices that ensure their ENCs are compliant to the international standards, consistent across the global dataset, and readily available for use. This is so that shipping can navigate safely, efficiently and confidently, whilst ensuring other maritime users are using the same approved data.

 IC-ENC: Global ENC collaboration with a regional focus

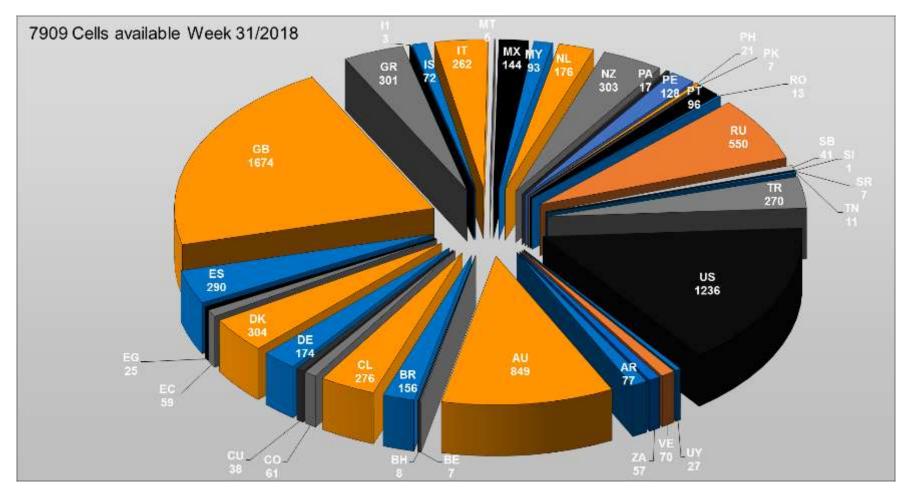
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Regional Offices - The Benefits

- Production Support and Validation
 - Coordination of validation work in region.
 - Training and production support in region.
 - Communication advantage
 - Time Zone
 - Possible language benefits
- Promotes consistency, efficiency and partnership amongst producing HOs.
- Regional office use the IC-ENC standard tool set and working practices to maintain consistent quality.

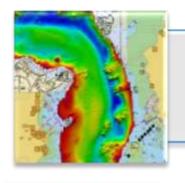


IC-ENC Folio at Week 31/2018





IC-ENC Core Services



ENC Production Support



ENC Validation



ENC Distribution



Revenue Management & Financial Reporting

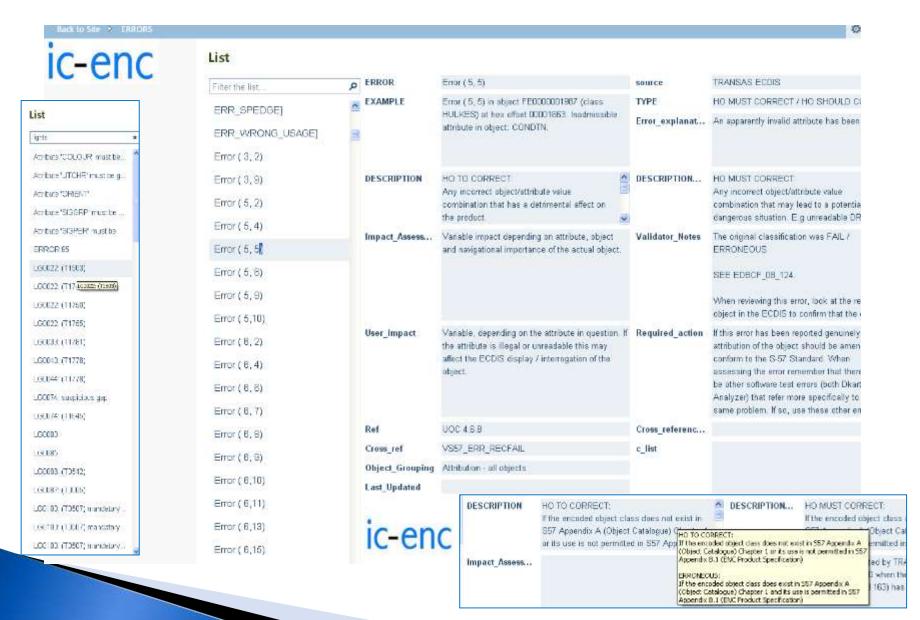


Production Support Services

- ▶ IC-ENC ENC Validation Training courses
- Technical visits to HO
- HO production staff work alongside IC-ENC validation team in IC-ENC offices
- Technical Conference
- Internal validation IC-ENC Errors Database

IC-ENC Errors Database





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IC-ENC Training Courses





IC-ENC Technical Conference





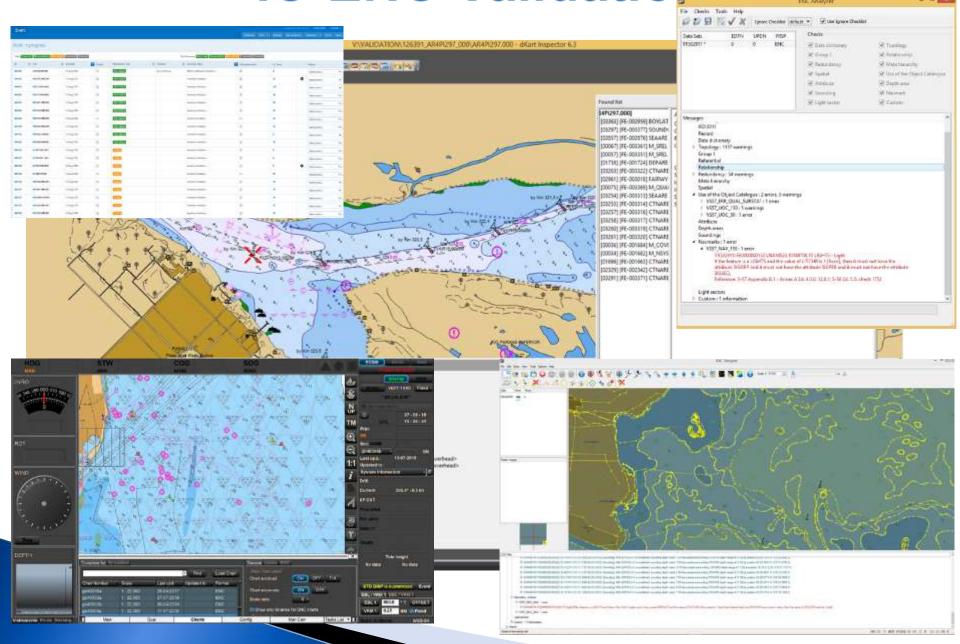
IC-ENC Validation

IC-ENC does not edit or modify the data provide by the HO, the ENC remains the property and responsibility of the producing nation at all times

- Software analysis and testing
 - Assessment of S-58 errors
 - Exchange set checks
- IC-ENC validation team expertise
 - Consistency Checks
 - ECDIS Checks

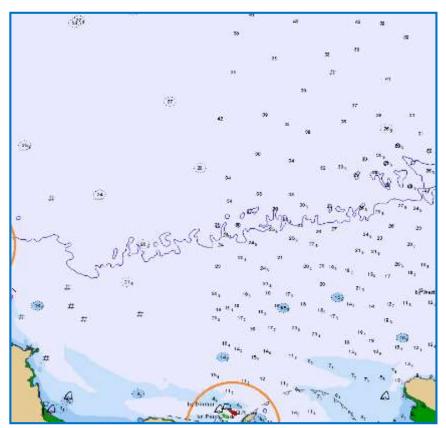
IC-ENC Validation

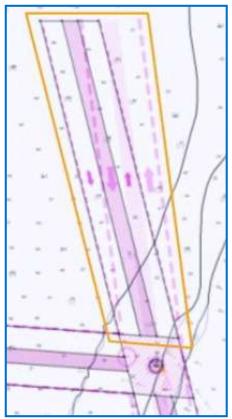


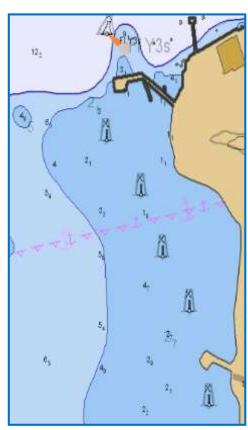




IC-ENC Validation







The Feedback Report



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- Feedback Report to our members for each cell
- Created from the error classifications and decision making from validation
- Reports issues back to HO
- Can be Country dependent Partnership Agreement

Cell Information:

Cell Information:

Cell Name – US5ME25M.000

Edition Number – 8

CRC – 48A38DCD

Date Received - 14 Feb 2017

Service Level:

Reduced

Validated By:

Name – Jenny Thacker
Phone – (+44) (0) 1823 723389

Email – jenny.thacker@ic-enc.org

Date Validated – 17 Feb 2017

Validation Conclusion

ACCEPTED FOR DISTRIBUTION ON 24 Feb 2017

Validation Comments

Correction required as soon as possible:

It is unnecessary to withhold the ENC from distribution for these particular issues, but to maintain good practice it is recommended that you correct them as soon as possible.

1. TXTDSC describes raster portrayal not ENC

Description:

See US5ME25B TXT pasted below

The recommended track for deep draft vessels entering and departing Penobscot Bay and River is attributed with a textual description (TXTDSC) which describes the depiction of the channel on the <u>raster</u> chart. It says "Two-way traffic is possible within all parts of the green-tinted areas." On the ENC no such green tint exists.

Impact:

Telling the mariner that he/she can find an object with a particular description, when the described object is not depicted that way may cause confusion and cause the mariner not to find the object described. Since the object described by this note is an important traffic lane it is even more significant.

Action

Remove the portion of the TXTDSC where it describes the raster chart colours (highlighted in yellow). Consider how to reword the remaining part of the paragraph for the best possible clarity.

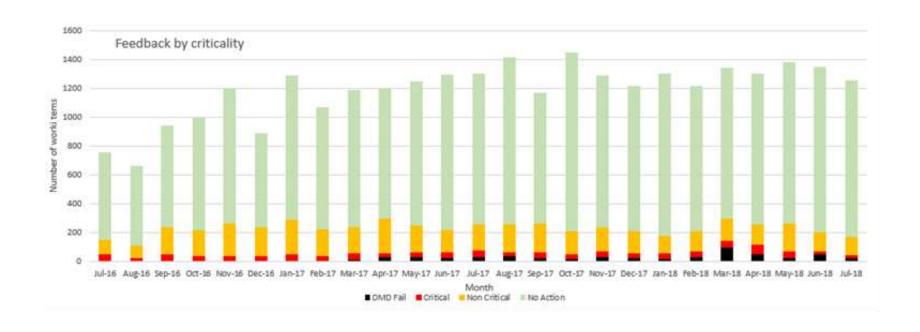
TXTDSC

USSME25B TXT

Deep draft vessels entering and departing <u>Penobscot</u> Bay and River are requested to remain within the Recommended Vessel Route. <u>Two-way halflot is possible within all parts of the green similed areas.</u> Other vessels, while not excluded, should exercise caution in these areas and monitor VHF channel 16 or 13 for information concerning vessels transiting these areas. See U.S. Coast Pato 1, Chapter 7.

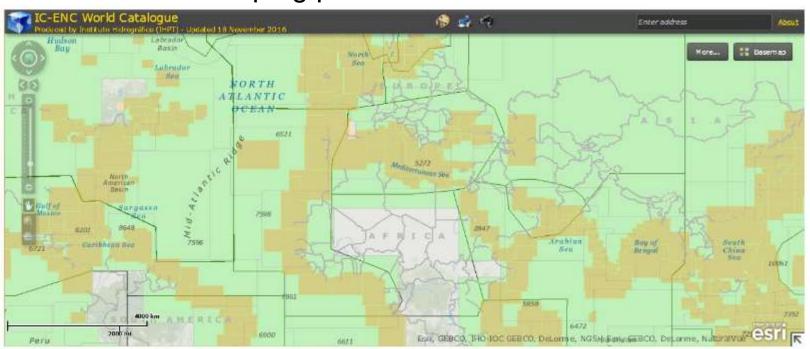


IC-ENC Validation Feedback



Facilitating New Coverage IC-enc

- IC-ENC act as coordinators for consistency between HOs in resolution of overlap and gaps
- Coordinate cancellation and replacement coverage on behalf of new and developing producers





Value Added Resellers (VARs): ENC Distribution











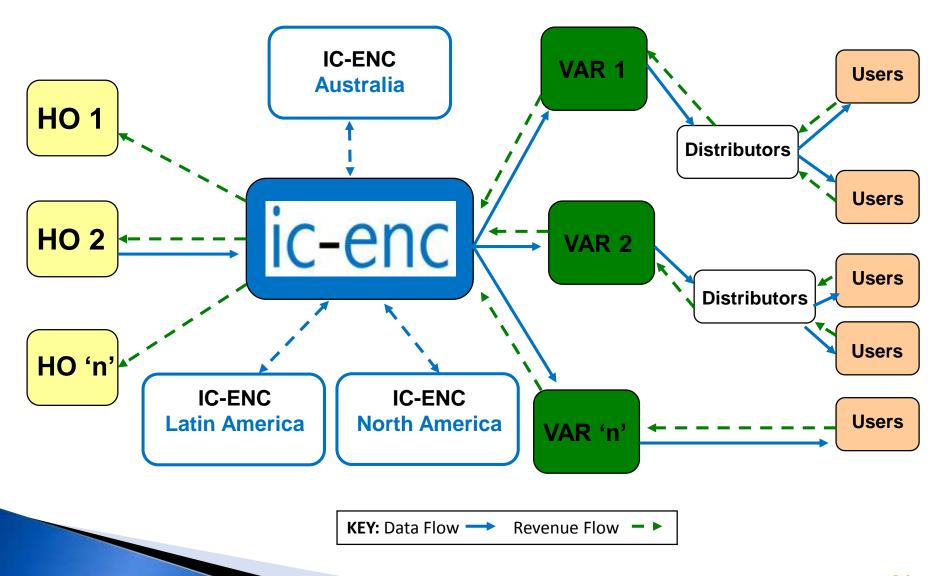






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Data & Revenue flow





Steering Committee



SC19 meeting, Bristol. 12. - 14. September 2017

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Future Developments

- Fixed Fee is to reduce by 50% (from \$1 to \$0.50)
- IC-ENC is considering how to provide services which mean that members' ENCs are available to more users (outside of regulated ECDIS), to support safe navigation.



For further information:

- Please review the IC-ENC website;
 - www.ic-enc.org

- Or email the IC-ENC team:
 - therenc@ic-enc.org



Summary

- Currently 43 Member HOs with 7900+ ENCs
- ▶ IC-ENC is low cost RENC, and not-for-profit
- IC-ENC cost recovery fee is \$1 for each 12 month ENC subscription sale (reduced pro rata for short subscription periods). This will reduce to \$0.50 from Q4/2018.
- Through the Steering Committee, each HO contributes to IC-ENC

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My award ©



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