

International Centre for Electronic Navigational Charts

IC-ENC Update to EAtHC

Cádiz, Spain, 18-20 October 2016

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Forget ENCs! Think WEND



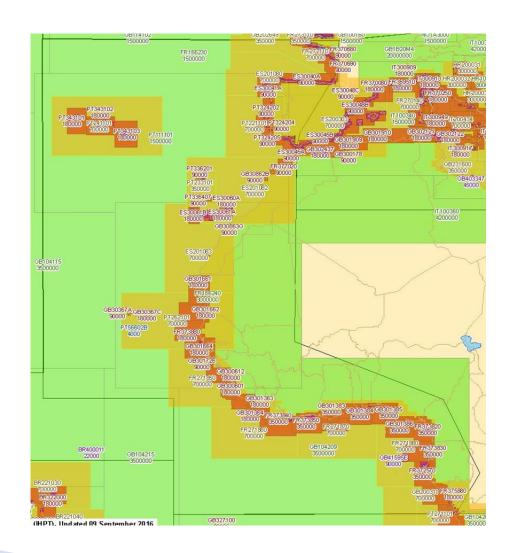
Forget ENCs, think WEND

- Worldwide
- Electronic
- Navigational Chart
- Database

Agenda

- ENCs in the EAtHC
- The WEND: ENC Quality, Consistency, Availability
- The role of RENCs
- Key message

ENCs in the EAtHC

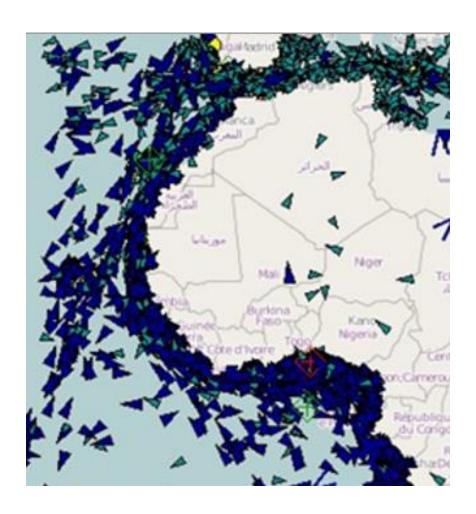




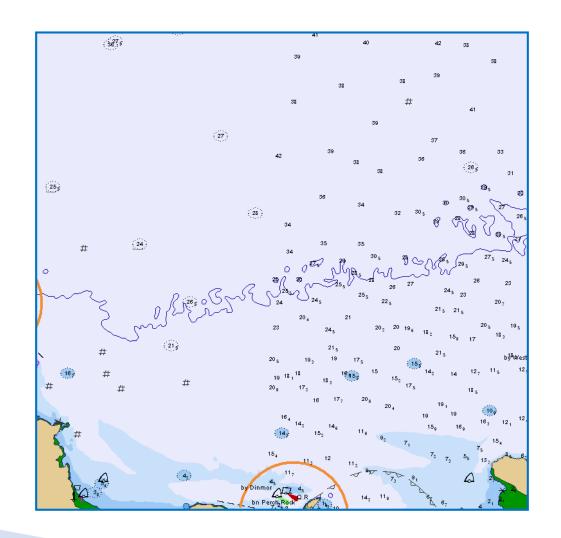
ENCs in the EAtHC

Producer / Usage Band.	1	2	3	4	5	6
France	2	5	15	25	60	28
Italy	2	0	0	0	0	0
Portugal	1	5	11	19	54	0
Spain	0	4	12	42	83	0
United Kingdom	6	2	35	24	22	5
Totals	11	16	73	110	219	32

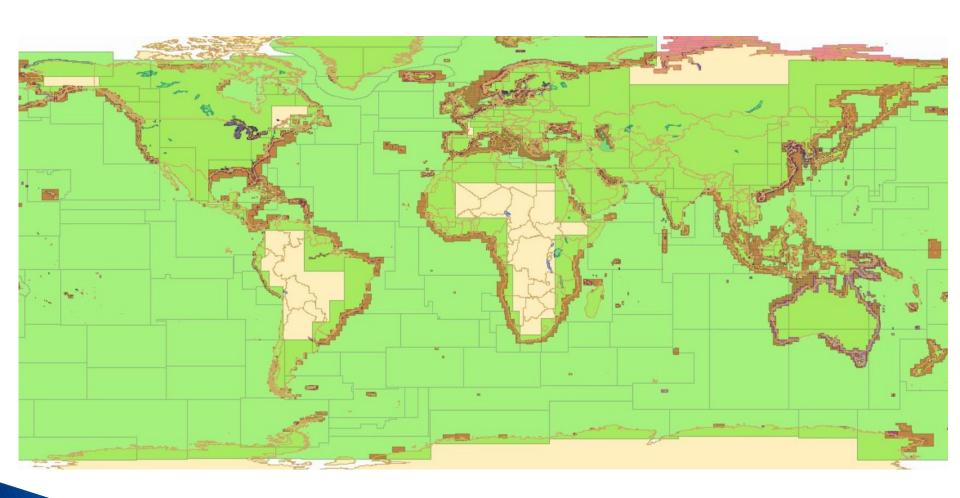
The 'W' of WEND; Worldwide...



Forget ENCs, think WEND



WEND so far...





The WEND requires:

- Each individual ENC to be of appropriate Quality
- Consistency across the WEND
- Availability (including maintenance)

RENCs (PRIMAR & IC-ENC) are in place to assist HOs with achieving this



IC-ENC's Mission

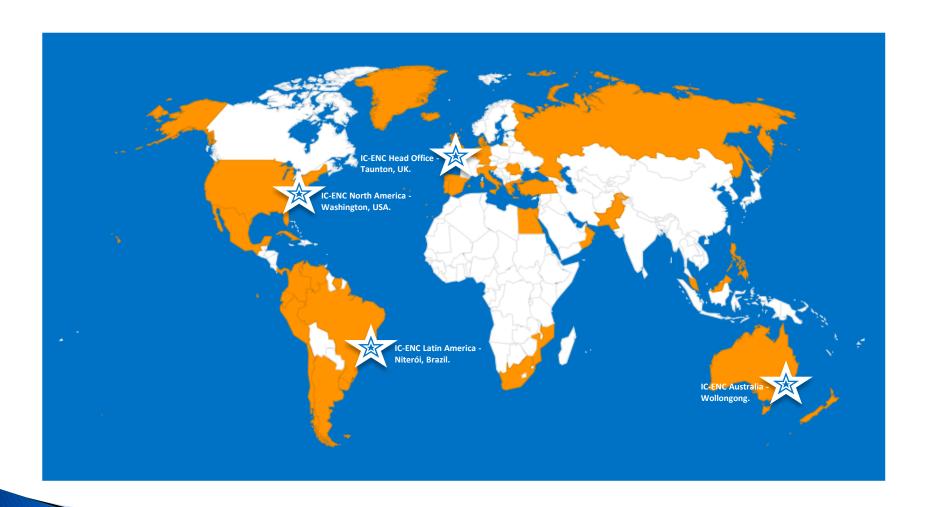
To provide services, at a low cost, to national Hydrographic Offices that ensure their ENCs are:

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.

Better ENCs

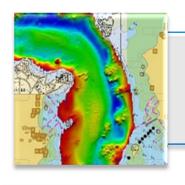
Membership (40) & IC-ENC Offices (4)



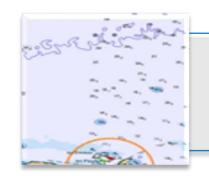
Membership (40) & IC-ENC Offices (4)

- 47% of all global ENCs are validated and distributed through IC-ENC
- 56% of all global ENC producers are members of IC-ENC
- Over the past 2 years IC-ENC has delivered 7 international validation training courses, round the world, to over 100 ENC compilation staff
- IC-ENC hosts an annual Technical Conference,
 2016 attended by 55 member representatives.

IC-ENC Core Services



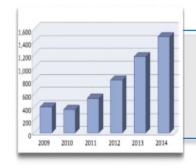
ENC Production Support



ENC Validation



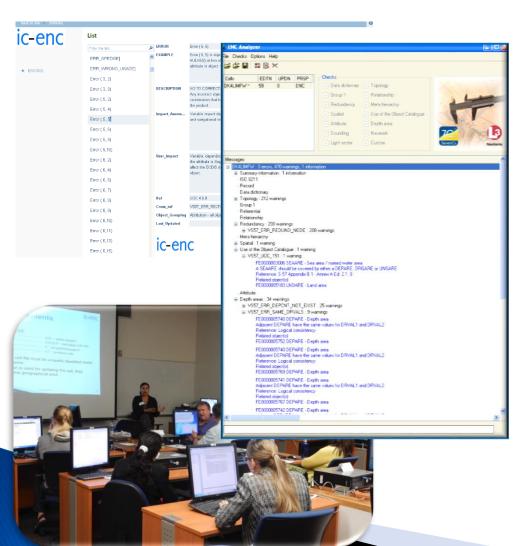
ENC Distribution



Revenue Management & Financial Reporting



ENC Quality and WEND Consistency: Validation and Production Support







Availability: Worldwide ENC Distribution













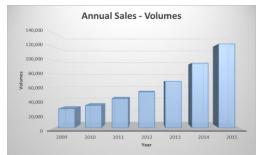


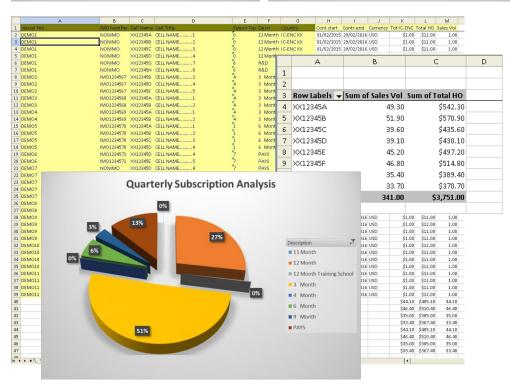


ENC Revenue Management

- On a quarterly basis sales reports are produced and sent out to each member HO
- Sales trends and subscription type analysis
- Financial payments made to ENC
 Producers in their preferred manner and frequency









Key message:

For emerging ENC Producers in the EAtHC to "think WEND"

- ENC Quality
- WEND Consistency
- Availability

What about the Established ENC IC-enc Producers?

- ENC Departments change (people, tools, philosophy etc.)
 - Resources, capacity building, training
- ▶ S-101
 - The new ENC Standard new production tools, techniques, understanding

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