

# ic-enc

**International Centre for Electronic  
Navigational Charts - RENC**

**13<sup>th</sup> EAthC - September 2014**

# IC-ENC's Current Members (32) ic-enc

 Argentina	 Germany	 Portugal
 Australia	 Greece	 Romania
 Bahrain	 Iceland	 Russian Federation
 Belgium	 Mexico	 Slovenia
 Brazil	 Mozambique	 South Africa
 Chile	 The Netherlands	 Spain
 Colombia	 New Zealand	 Suriname
 Cuba	 Pakistan	 Turkey
 Denmark	 Peru	 United Kingdom
 Ecuador	 Philippines	 Uruguay
	 Italy	 Venezuela

# September 2014 Membership ic-enc



# IC-ENC RENC Member Services

- ▶ ENC Production Support for HOs
- ▶ ENC Validation
- ▶ ENC Distribution
- ▶ Revenue Management & Financial Reporting

# Production Support

- ▶ IC-ENC ENC Validation Training Course (externally accredited) (3 regionalised courses planned for 2015)
- ▶ Technical visits to HO
- ▶ HO production staff work alongside IC-ENC validation team in IC-ENC offices
- ▶ Advice - production systems and flow lines, specific encoding issues
- ▶ Technical Experts Working Group – share best practice
- ▶ Internal validation – IC-ENC Errors Database

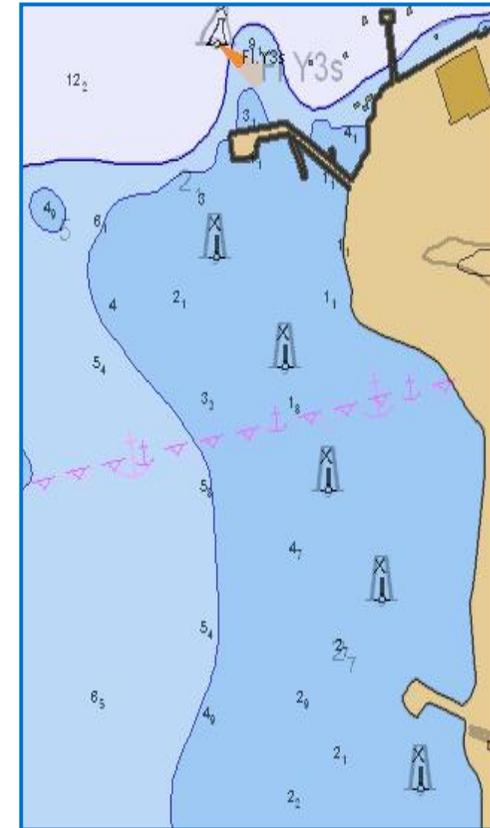
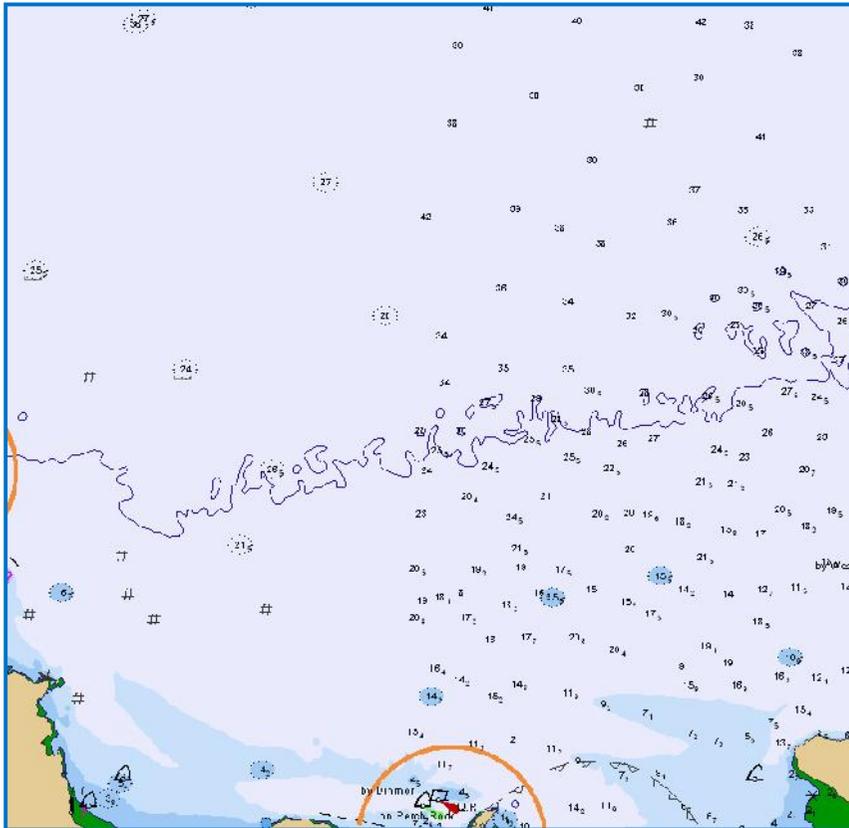
# IC-ENC Validation

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 S58 errors
  - Exchange set checks
- ▶ IC-ENC validation team expertise
  - Consistency Checks
  - ECDIS Checks



# IC-ENC Validation



# ENC Cell Feedback Report

- ▶ **Feedback Report** to our members for each cell
- ▶ Created from the error classifications and decision making from validation
- ▶ Reports issues back to HO which have been picked up in any of the checks
- ▶ All suggested actions are designed to be to the benefit of the mariner
- ▶ Can be Country dependent – Partnership Agreement

IC-ENC form P007: Validation Report

**Cell Information:**  
Cell Name - GR6DE001.00  
Edition Number - 2  
CRC - 9A51F25F

**Validated by:**  
Name - Dan Garratt  
Phone - (+44) (0) 1423 723389  
E-Mail - therenc@ic-enc.org  
Validation Date - 21/01/2014

**VALIDATION CONCLUSION:**  
ACCEPTED FOR DISTRIBUTION pending confirmation from you on the following matters:

- Authorisation for release

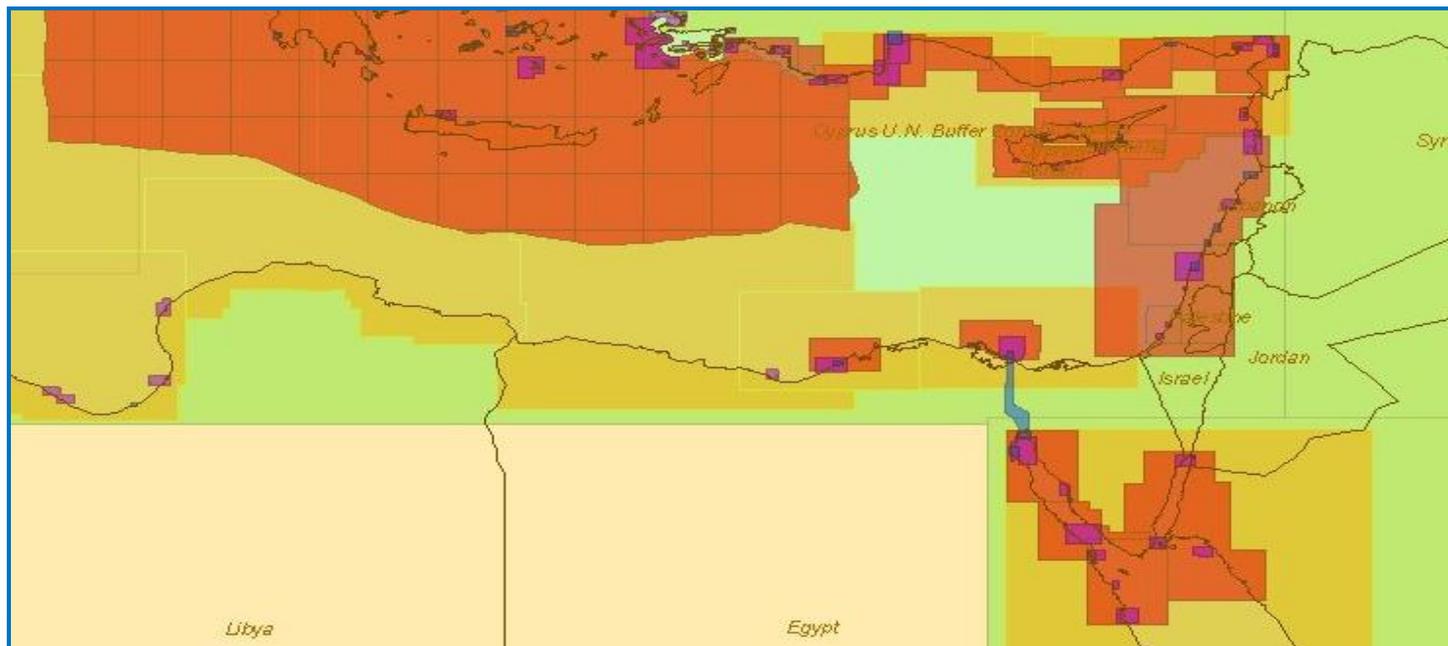
**OBSERVATIONS REGARDING OTHER ENC's:**  
When validating this cell, the following issues have been identified with other adjacent ENC's, which we feel merits your attention when the relevant ENC is next reviewed:

**GR0CFDE0**  
Please see screenshot 1 which shows that there have been extensions to the breakwaters within the harbour and coastline to the east of the harbour. Please consider updating GR0CFDE0 for these extensions.



# Facilitating New Coverage

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



# ENC Distribution

- ▶ RENC Licensing Rules
- ▶ Value Added Reseller (**VAR**) Concept
- ▶ VAR Assessment Process
- ▶ Market Assessment and Advice

# IC-ENC VARs: Value Added Resellers



# Revenue Management

- ▶ VAR Sales Reporting
- ▶ IC-ENC collects the money owed by VARs, and issues reports to its members and pays its member's accordingly
- ▶ IC-ENC is a **not-for-profit** organisation, but of course has operating costs. IC-ENC retains a flat fee of just **\$1** per annual subscription sold to cover costs.

# Governance

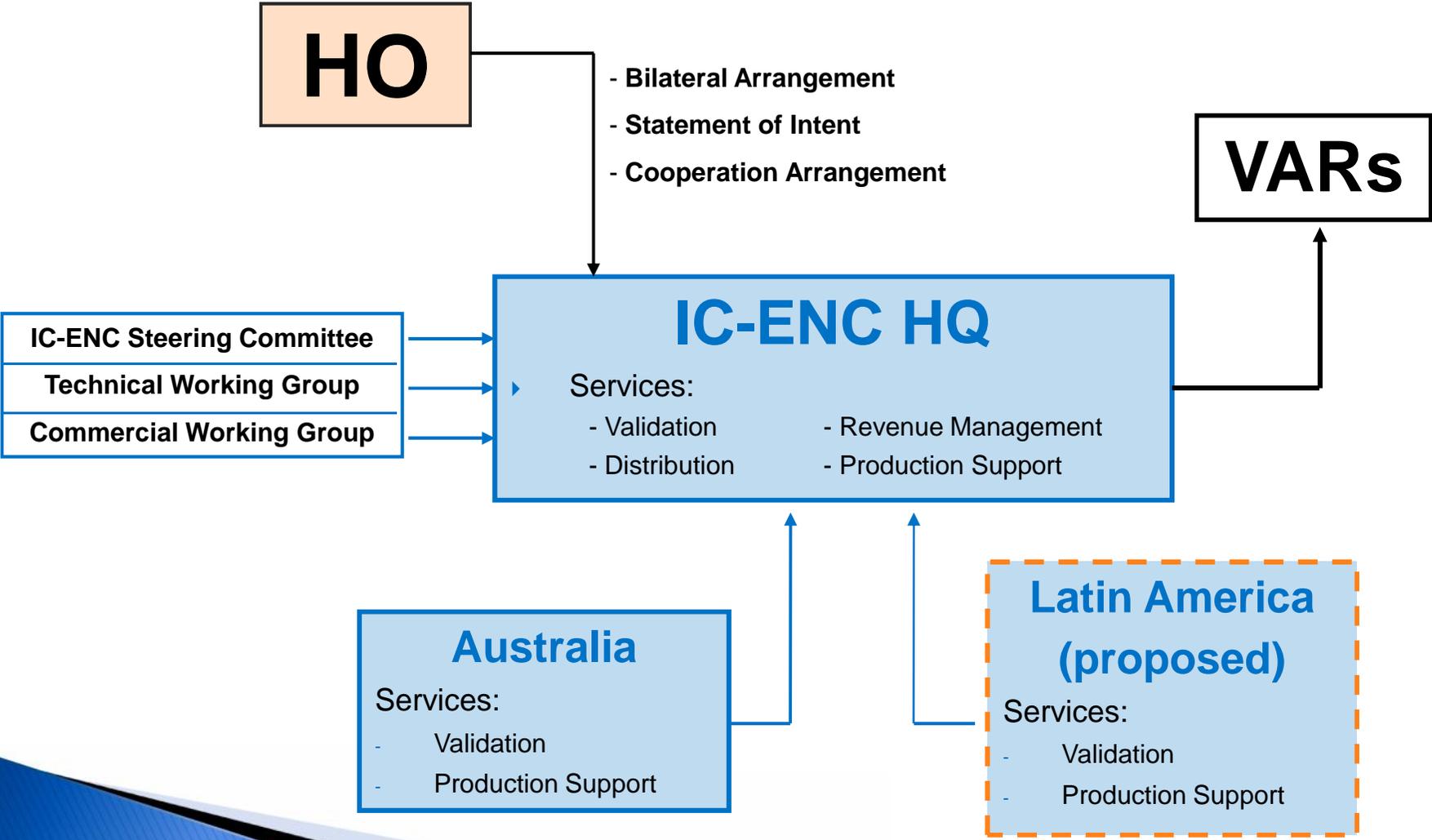
**IC-ENC is co-located with but separate from the UKHO in all business and operations**

- ▶ Strategic direction is set by the Steering Committee; all members are invited to participate in this group. This group agrees the budget and other policies / strategies
- ▶ Technical and Commercial working groups made up of IC-ENC staff and member HOs.



Our Chairman -  
Dr Mathias Jonas

# IC-ENC Structure



# Summary of IC-ENC

- ▶ IC-ENC is low cost, not for profit organisation
- ▶ 32 current Member HOs with 5100+ ENC's
- ▶ Services:
  - Production support
  - ENC Validation
  - Distribution
  - Revenue Management
- ▶ Controlled by our Steering Committee, each HO contributes to IC-ENC policy setting
- ▶ Full details available via [www.ic-enc.org](http://www.ic-enc.org)

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**FIN!**