

ENC Consistency

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Guidance

- S-57 ENC Product Specification
- S-58 Recommended ENC Validation Checks
- S-65 ENC Production Guidance
- new WEND Paper
 - Guidelines for the Implementation of the WEND Principles





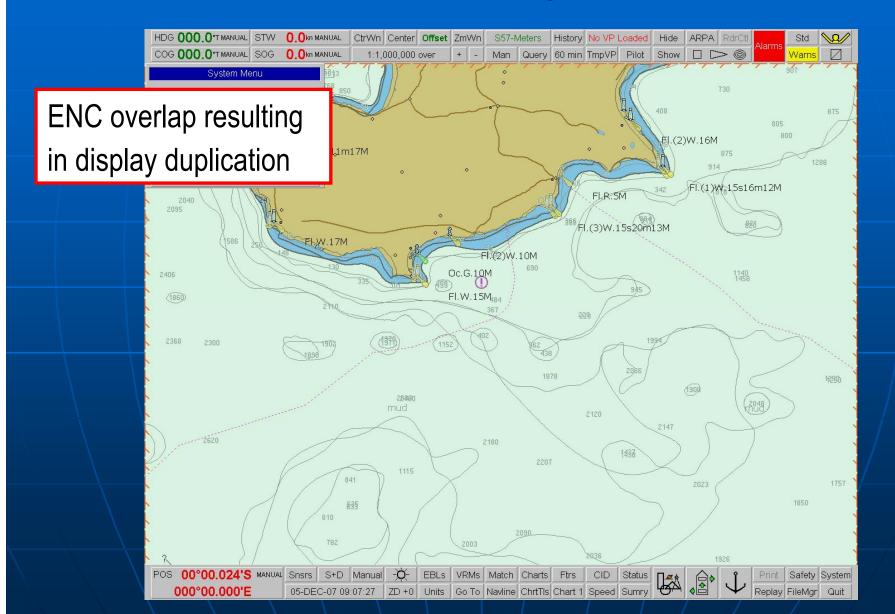
The Main Issues

- inconsistent display of data (SCAMIN)
- overlapping data
- incorrect or ambiguous ENC data
 - disagreement between paper charts and ENCs



Overlapping data

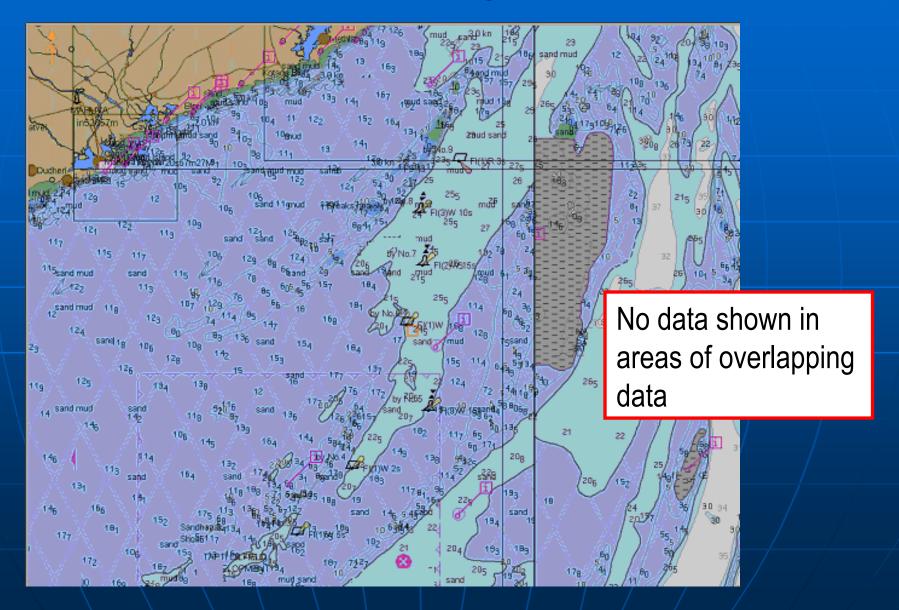






Overlapping data









Overlapping cells







Conclusion - 1:

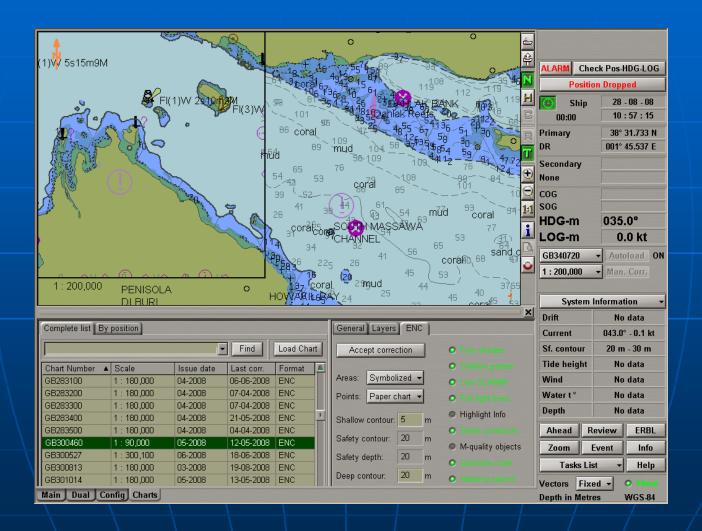
- Overlapping ENCs cannot be tolerated
- mechanisms to remove overlaps or avoid overlaps are essential

+ **How?**

- regional coordination
- bilateral agreement
- distributor intervention

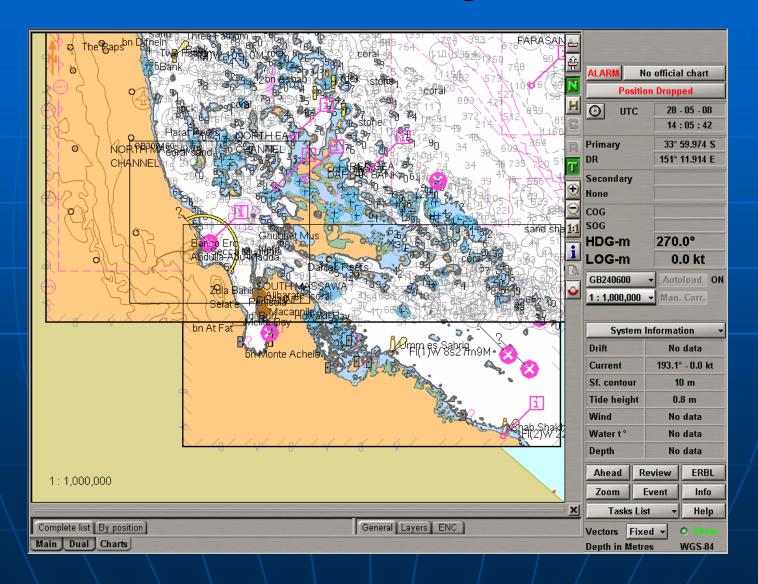






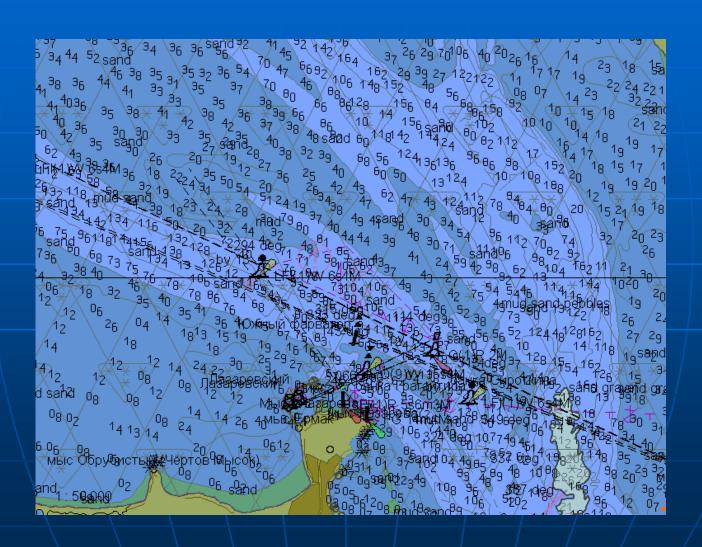






















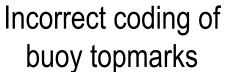
Conclusion - 2:

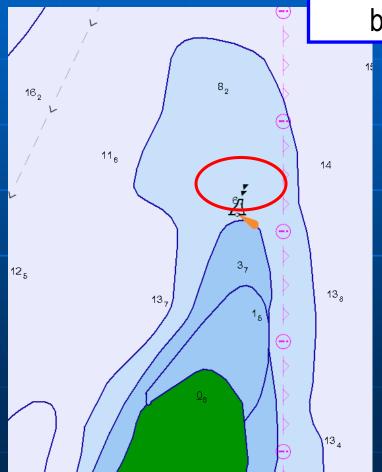
use of SCAMIN must be coordinated

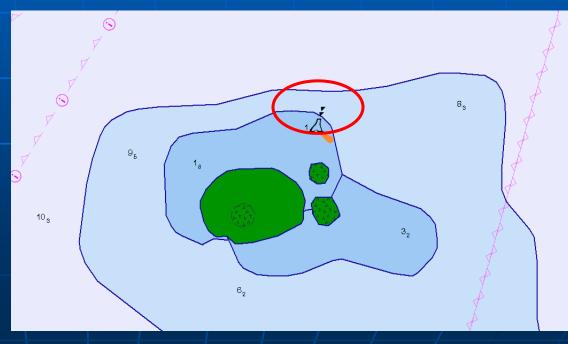
at least on a regional basis





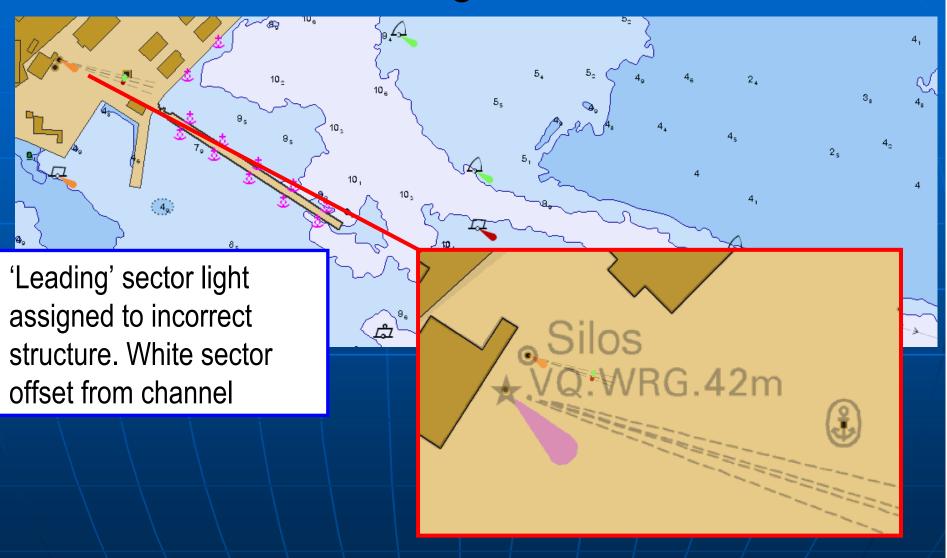






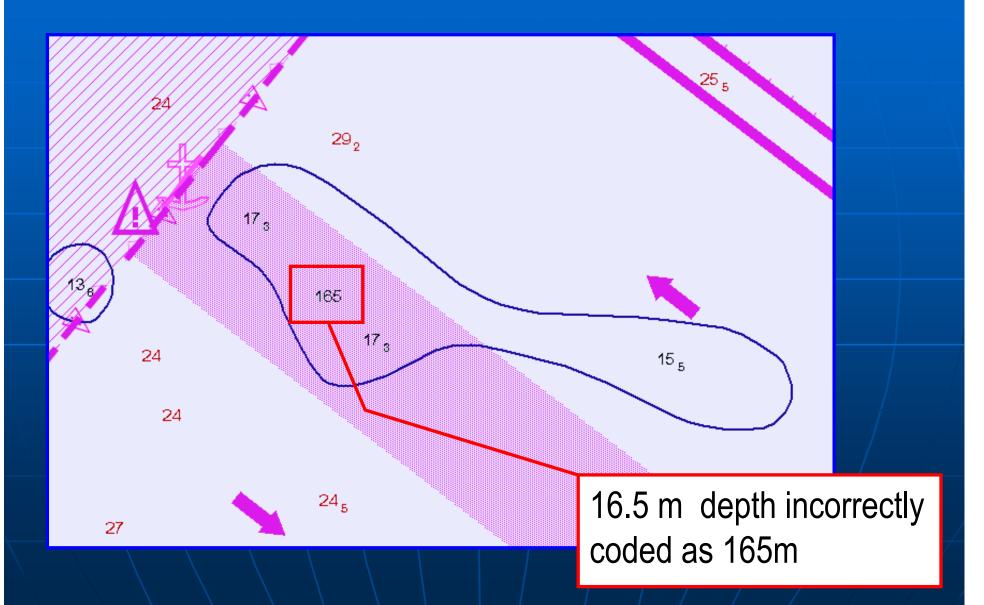






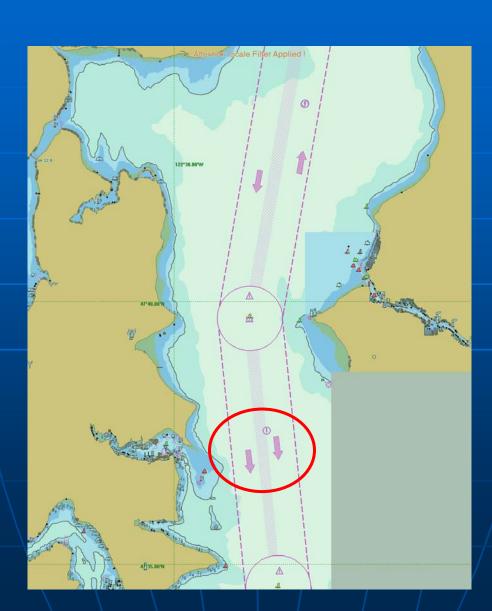


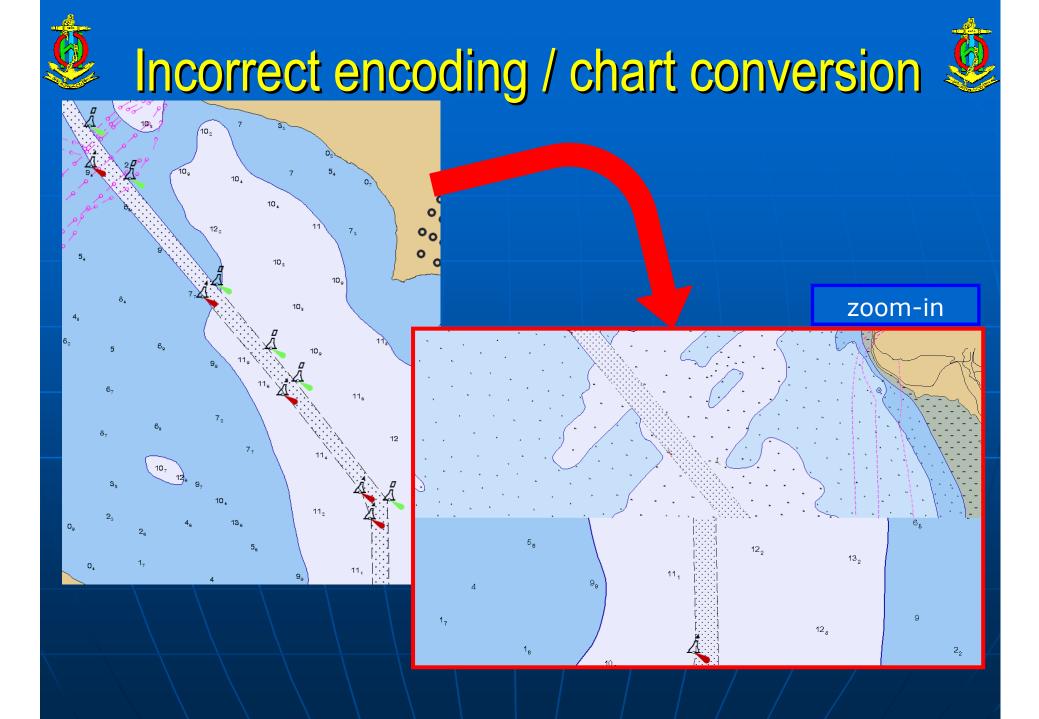






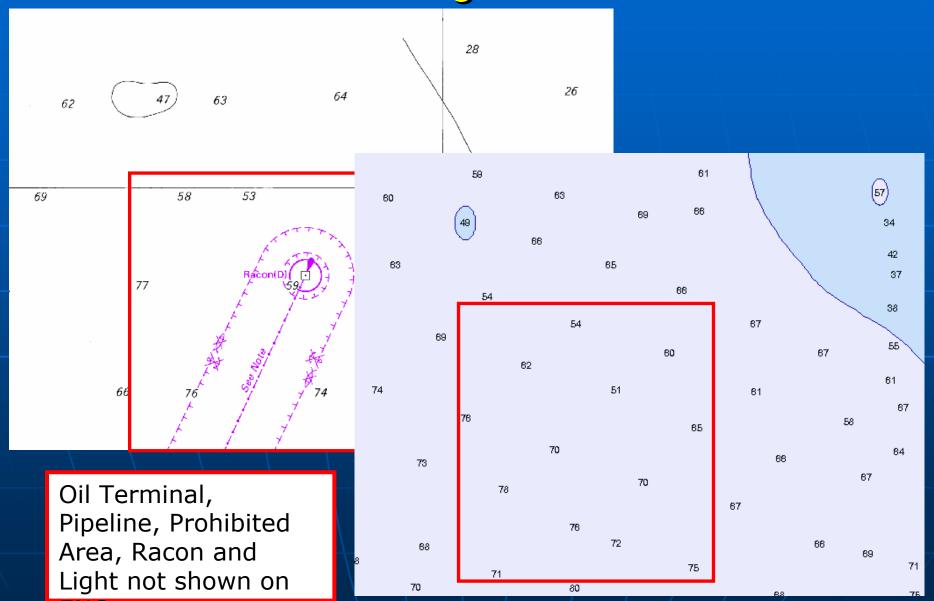
















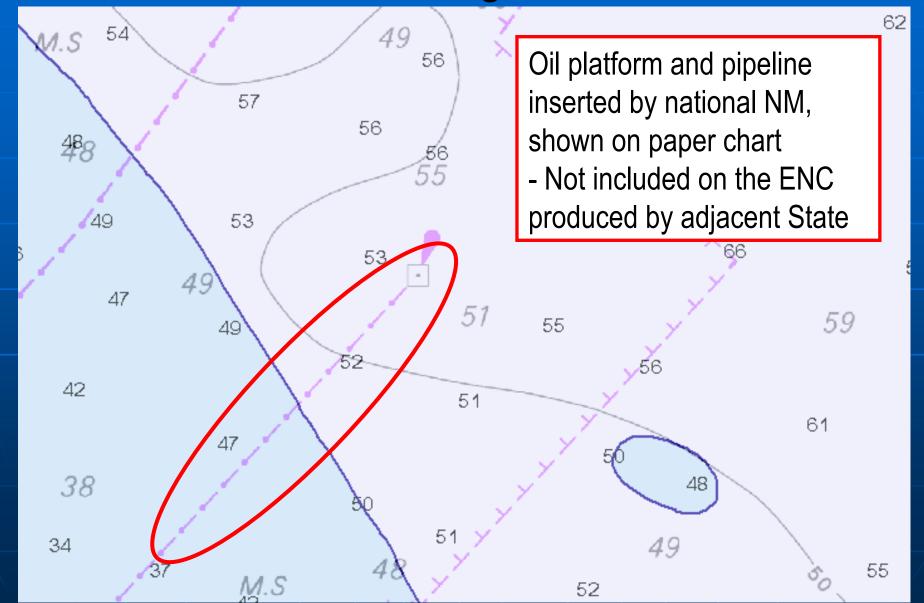
Conclusions - 3:

- Efficient mechanisms to cross-check ENC with paper charts are required
- Anomalies must be rectified once identified



Incorrect or ambiguous ENC data

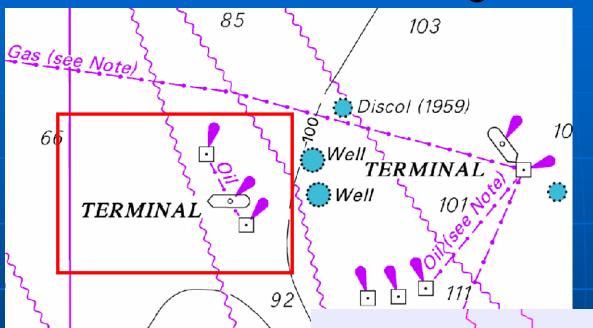




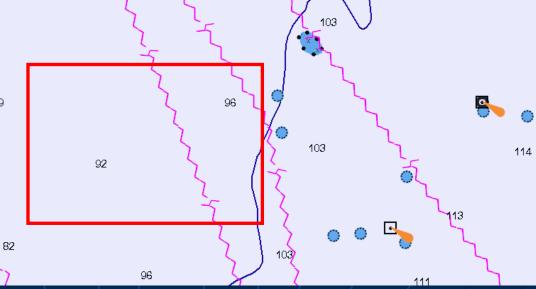


Incorrect or ambiguous ENC data





Oil platforms
reported by national
NtoM and included
on BA chart
– not included on
national ENC







Incorrect or ambiguous ENC data

- Mariners are now commenting :
 - paper charts and ENCs do not agree
 - some ENCs are not being updated at all
 - some ENC updates take much longer than NtoMs







Conclusions - 4:

- → ENC producers are failing to cross-check ENCs with paper charts
- Significant (and potentially dangerous)
 differences between the paper chart and ENC cannot be tolerated





WEND Paper

- → Guidelines for the Implementation of the WEND Principles
 - -summary of key points in here





Summary

- Overlapping data is unacceptable
- Adjacent ENCs must be consistent in their appearance and functionality
 - Regional coordination is required





Summary

- Information in ENCs and paper charts must not conflict
- 4. Widespread ENC anomalies are undermining the credibility of <u>ALL</u> HOs
 - Rigorous checking is required
 - ENC updating must be harmonized with paper charts



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