

ENC STANDARDS MAINTENANCE WORKING GROUP (ENCWG)

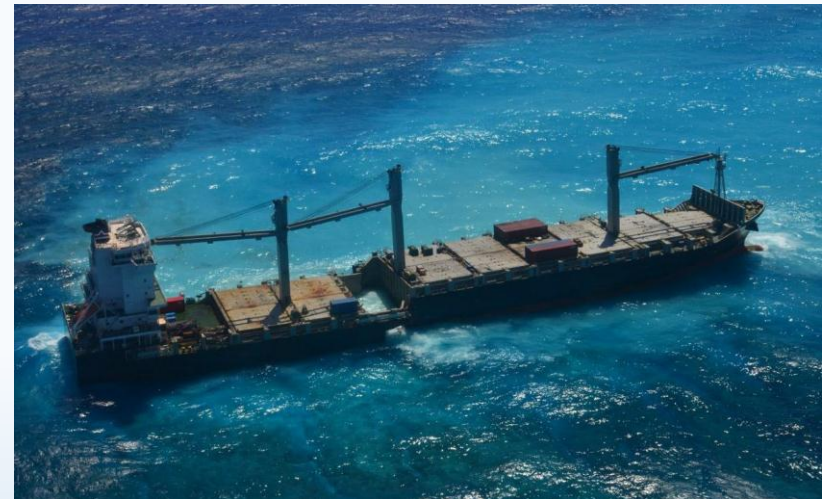
Paper by the AHO

Identification of areas with larger scale Paper Chart
coverage



Introduction

- Many areas of the world are not yet fully covered by ENC's at all scale levels. Some regions have coverage at the INT level (Navigational Purposes 1 and 2) but not at the larger scale levels (3, 4, and 5). In many cases, this is a consequence of having different countries responsible for the production of ENC's at different scale levels.
- This situation existed in the area where container vessel "Kea Trader" grounded in the vicinity of New Caledonia.

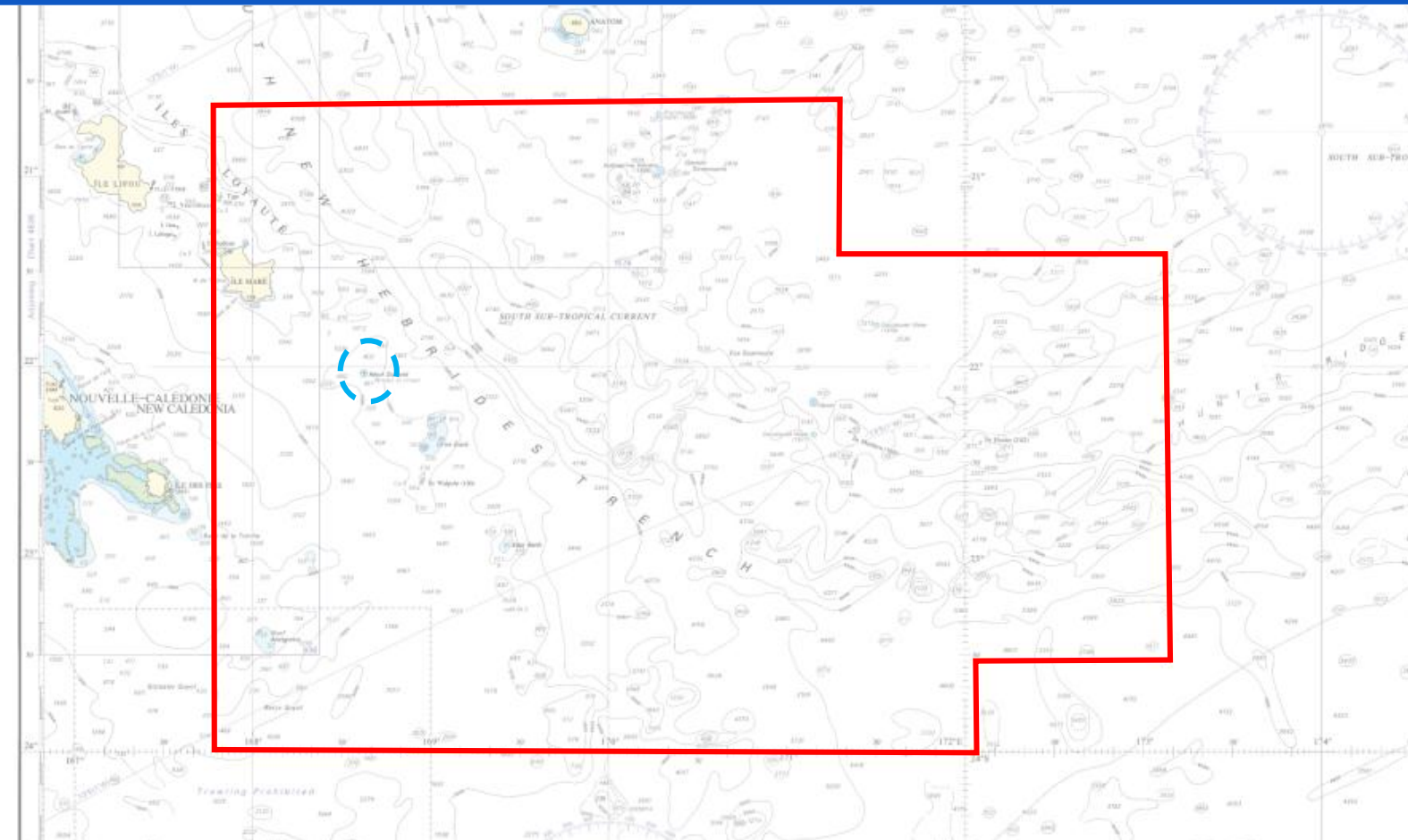


The problem

- Full ENC coverage is not yet available - Many areas of the world are not yet fully covered by ENCs at all scale levels. Some regions have coverage at the INT level (Navigational Purposes 1 and 2) but not at the larger scale levels (3, 4, and 5). In many cases, this is a consequence of having different countries responsible for the production of ENCs at different scale levels.
- In certain areas paper charts still provide the largest (and in many occasions more up to date) information than the existing ENC products available.
- A situation like this existed in the area where container vessel “Kea Trader” grounded in the vicinity of New Caledonia.



The problem



The paper chart in the background was available as a NP2 ENC but, the area within the polygon in brown colour, was covered by a larger scale paper chart only.



Conclusion

- **It is concerning that some ships are sailing without paper charts on board (Full-ECDIS) and the best ENC available for an area may not be the largest scale published product (a paper chart is).**
- **ENC producers should encode their ENCs in a way that enables ECDIS to alert mariners of the existence of larger scale detail not contained in the largest scale ENC available for in its route. This indication should be triggered by the ECDIS 'Route check' function at the planning stage of the trip.**
- **The encoding in ENCs of areas where a larger scale official paper chart is available (even if from a different country) is seen as a proactive way to raise awareness and contribute to safety of navigation.**



The proposed solution

1. Add guidance in S-57 Appendix B.1, Annex A (UOC) - Section 5.8.3.1 – Areas of omitted bathymetry. The proposed wording is:

*Where an area on an ENC is covered by a larger scale paper chart that has not been converted to an ENC, this area must be encoded using a **CTNARE** object (see clause 6.6). This object must contain a text file reference populated using the attribute TXTDSC drawing attention to the larger scale paper chart/s.*

*LARGER SCALE PRODUCT AVAILABLE
For more detailed navigation information
in this area, refer to larger scale paper chart/s.*

2. Refer the topic to the S101PT to assess the need for amendments to the portrayal rules and the DCEG.

