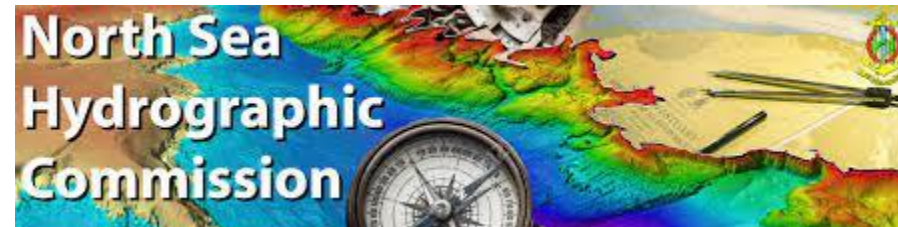


NSHC REGION D Report to WENDWG-12

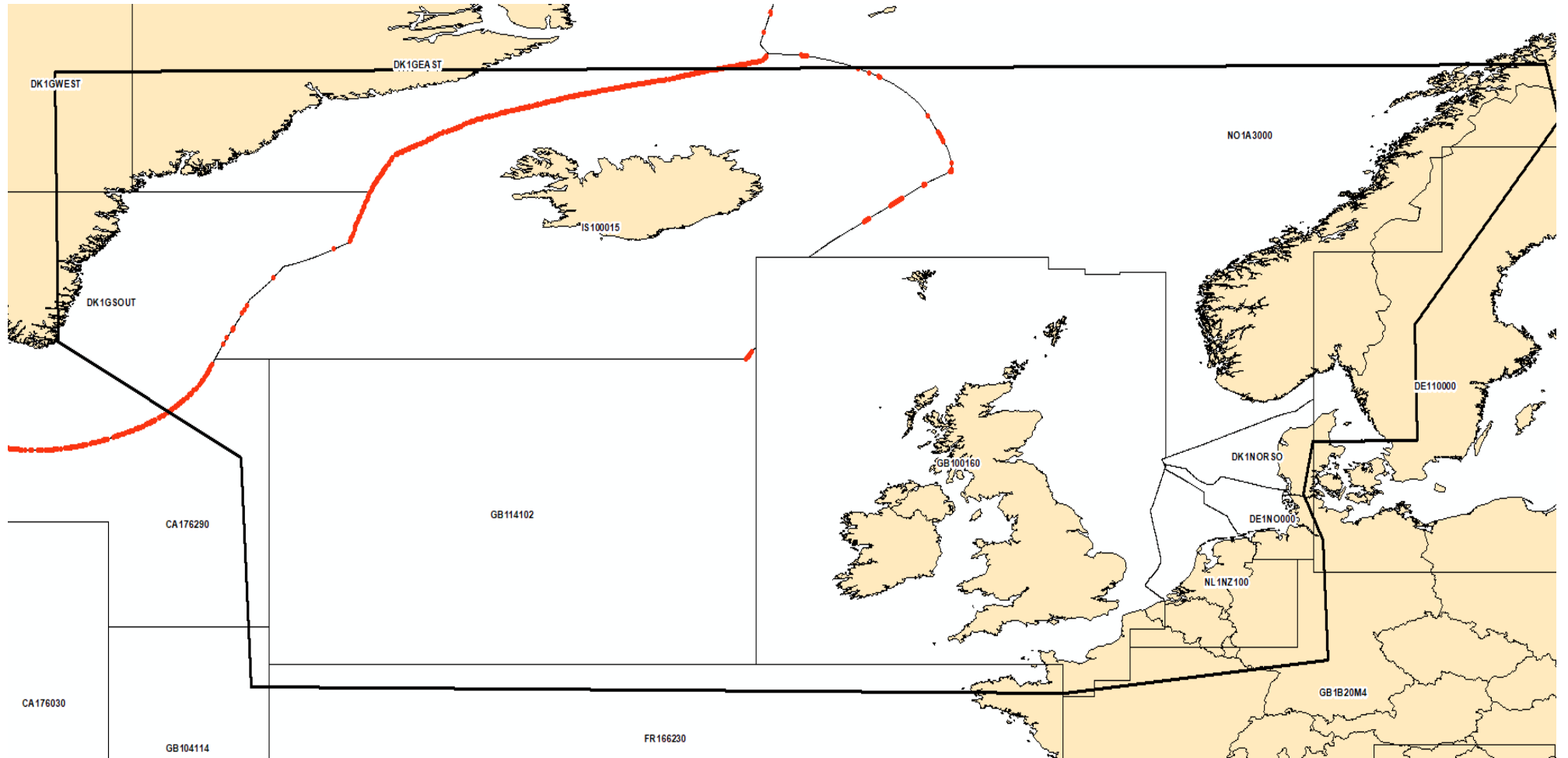




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BAND 1 GAPS AND OVERLAPS

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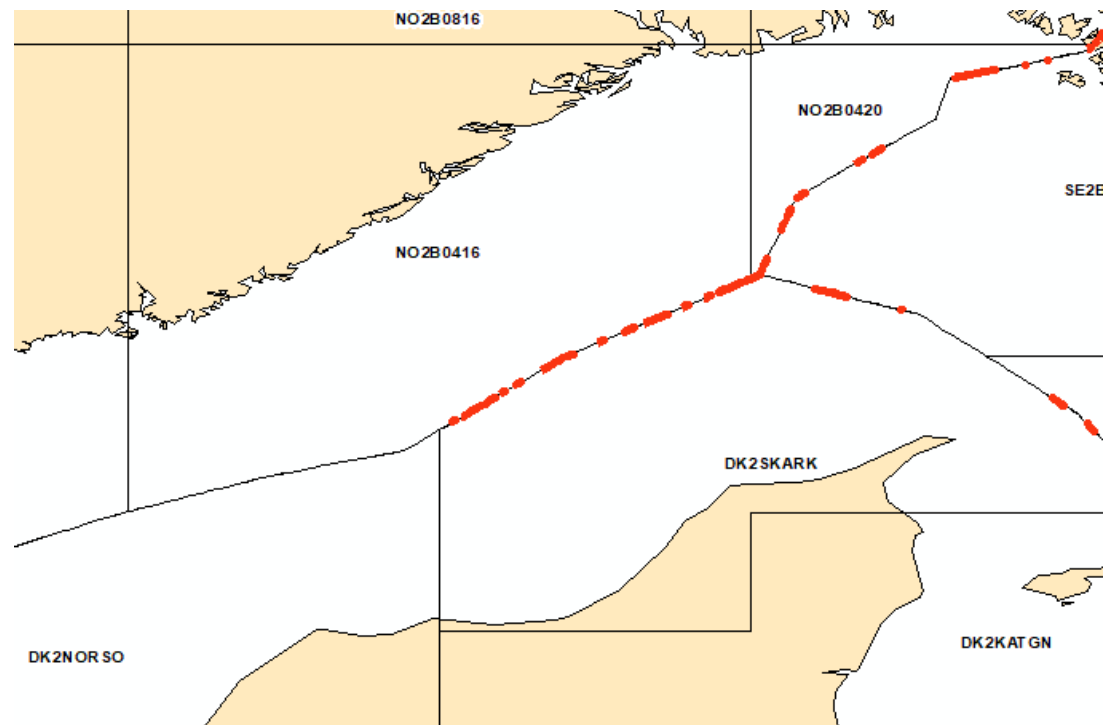
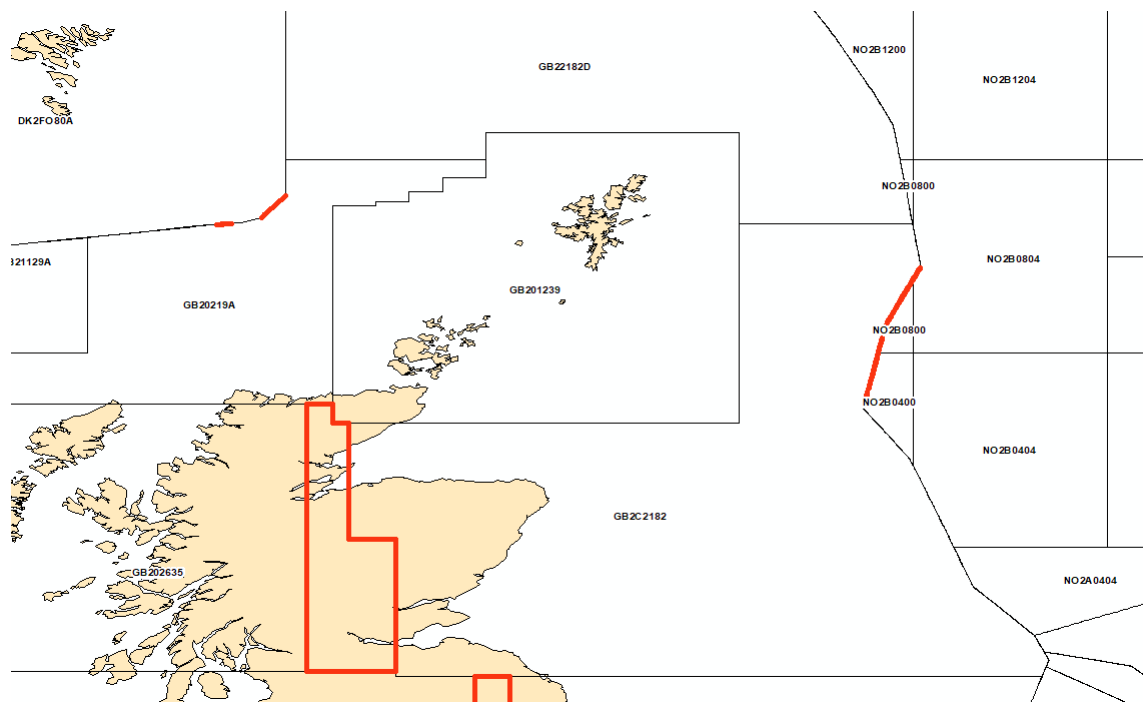




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CONCLUSIONS

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NSICCWG members are struggling to comply with IHO Guidance with regard to ENC overlaps and gaps at National Data limits, namely - IHO Resolution 1/2018 Chapter 2.1.8 - Seamless ENC coverage, S-57, APPENDIX B.1, Annex A - Use of the Object Catalogue for ENC - “There must be no gaps in data between adjoining cells of the same Navigational Purpose. Similarly, there must be no overlapping data between cells of the same Navigational Purpose (see S-57 Appendix B.1 – ENC Product Specification, clause 2.2), except at the agreed adjoining national data limits, where, if it is difficult to achieve a perfect join, a 5-metre overlapping buffer zone may be used”.

Numerous factors make this difficult

- Adjoining national data limits are complex in our region consisting of diagonal lines and curves
- Members use different GIS systems with different levels of precision and different geodetic parameters.
- Overlaps are primarily in deep ocean areas where depth data is sparse and of poor quality. The IC-ENC risk assessment of these is low priority.
- Adjusting borders is a time-consuming process. Members have already conducted several rounds of adjustment.

Members believe a more pragmatic approach should be employed in our region which recognises the management work conducted by the RENCs on the matter and the risk assessments that they conduct.



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RECOMMENDATIONS/TO NOTE

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- NSICC and WENDWG Representative will support and encourage members to resolve Overlaps deemed as High Risk and Medium Risk overlaps would also be considered as 'HO Must Correct' which would mean all overlaps for Band 3 and 4 cells (used for navigation) must be resolved alongside those for Bands 5 and 6.
- In future NSHC will report on ENC overlaps deemed medium and high risk and ENC gaps that are larger than 1mm at compilation scale. At present none exist.