Paper for Information by WENDWG

UPDATE ON PILOT PROJECT TO INVESTIGATE AND FIND POSSIBLE TECHNICAL SOLUTIONS TO ADDRESSING REPORTED UNPREDICTABILITY OF ECDIS DISPLAYS IN AREAS OF OVERLAPPING ENCs

Submitted by:	Singapore (on behalf of the EAHC Charting and Hydrography Committee)
Executive Summary:	This paper updates on the work of the Working Group under the EAHC on the Pilot Project looking into technical solutions to resolve overlapping ENCs.
Related Documents:	NA
Related Projects:	NA

The pilot project recognises the longstanding issue of overlapping ENC coverage between neighbouring member States and Regional Hydrographic Commissions, which could affect navigational safety. The Pilot Project will look into technical solutions to resolve overlapping ENCs. It will be undertaken by a Working Group (WG) under the EAHC CHC (Charting and Hydrography Committee) led by Singapore. The WG will undertake the work of investigating and finding possible technical solutions to address reported unpredictability of ECDIS displays in areas of overlapping ENCs.

2 The Straits of Malacca and Singapore were selected as the area for investigation. This area was identified by the WG as there is overlapping coverage between national ENCs of Indonesia, Malaysia and Singapore as well as the co-produced Malacca and Singapore Straits ENC (MSS-ENC) as appears as **Annex A**. The majority of the overlapping areas are in Band 3 and Band 4 ENCs and these will be used as the test dataset for the Pilot Project. That being said, member States are encouraged to contribute their data for known areas of overlap for testing under the Pilot Project.

3 Furthermore, recognising the need to involve ECDIS OEMS (original equipment manufacturers) in the Pilot Project, CIRM was approached and had agreed to enlist the assistance of its members. To date, several members, including Jeppesen, have agreed to participate. Background information essential to the WG's understanding of the issue and subsequent work is being collected from OEMs, eg on present behaviour of ECDIS when overlapping ENCs are encountered, methods used to handle the display of overlapping ENCs.

4 The selected test datasets will be sent to participating ECDIS OEMs to carry out a series of performance tests in ECDIS. These results of these tests, specifically, how various ECDIS handle/display overlapping datasets, will be compiled and analysed. It is planned that this information will be used to develop a set of technical criteria to evaluate and display datasets in overlapping areas, based on the navigational safety importance, for ECDIS OEMs

to adopt. These criteria will subsequently be tested to identify any warnings displayed by ECDIS when applying the developed criteria.

5 The Pilot Project is expected to be completed in Jan 2016 and the results and recommendations from the Pilot Project will be submitted to the WENDWG for consideration.