

ENC WG 1 Meeting – Any Other Business

Tokyo, Japan 14-18 March 2016

Information paper for consideration by ENCWG

WENDWG6-04.1A2 Part A Overlapping Data: Report on scenarios and test cases on ECDIS

Submitted by:	IC-ENC
Executive Summary:	This information paper outlines the actions passed to IC-ENC from WENDWG6 to introduce WENDWG6-04.1A2 Part A Overlapping Data: Report on scenarios and test cases on ECDIS to the ENCWG. The paper provides evidence of the effects on ECDIS display resulting from overlapping ENC data.
Related documents:	WENDWG6-04.1A2 Part A Overlapping Data: Report on scenarios and test cases on ECDIS (IC-ENC) WENDWG6-04.1A2 – Part B Full results from IC-ENC Investigation on overlapping data scenarios on ECDIS
Related projects:	None

Introduction/Background:

- 1.1. As part of IC-ENC's support to WEND Working Group and to inform IC-ENC's policy on overlapping data, IC-ENC has investigated the effects of ENC overlapping data within ECDIS systems.
- 1.2. IC-ENC produced WENDWG6-04.1A2 Part A which summarises the findings of the IC-ENC investigation into ECDIS display issues caused by overlapping ENC data. It factually assesses and reports the display results observed from overlapping ENC data in a number of ECDIS.
- 1.3. The cells were tested on five ECDIS systems covering a range of kernels and versions of models. The results were quite variable with each system handling the overlap differently. The key findings are:
 - overlapping data has erratic effects on the display of ENCs
 - there is huge inconsistency between results in different ECDIS
 - the main negative effects are on panning across the cell and the pick report summary
 - overlapping data at the same scale in the same usage band causes the most severe display problems
- 1.4. James Harper, IC-ENC General Manager presented the report to WENDWG6 on 8th March, 2016 which prompted the following actions:
 - WENDWG06/03 IHB (on behalf of HSSC Chair) and IC ENC Representative at ENCWG1 to seek the views of the ENCWG and the NCWG, on the *IC-ENC's Testing Overlapping ENCS in ECDIS* report and these WGs to provide any recommendation as appropriate.

- WENDWG6/04 WENDWG Chair to seek the views of CIRM on the *IC-ENC's Testing Overlapping ENCS in ECDIS* report (draft cover letter to be prepared by the ad hoc drafting group, on risk level, criteria used by OEMs, ECDIS standard test, best way of implementing the WEND Principles, reports of significant problems by manufacturers, etc.)

2. **Action requested of the ENCWG:**

1. Note the actions from the WENDWG6 in 1.4 above.
2. To consider associated paper WENDWG6-04.1A2 Part A Overlapping Data: Report on scenarios and test cases on ECDIS and the potential impacts on safe navigations
3. Initial review regarding potential consequences of reclassifying an overlap to include 'Same Scale, Different Usage Band'
4. Recommendations on questions to ask ECDIS OEMs regarding overlapping data via CIRM.