

Hydrographic Services and Standards Committee

Report of CIRM activities affecting HSSC

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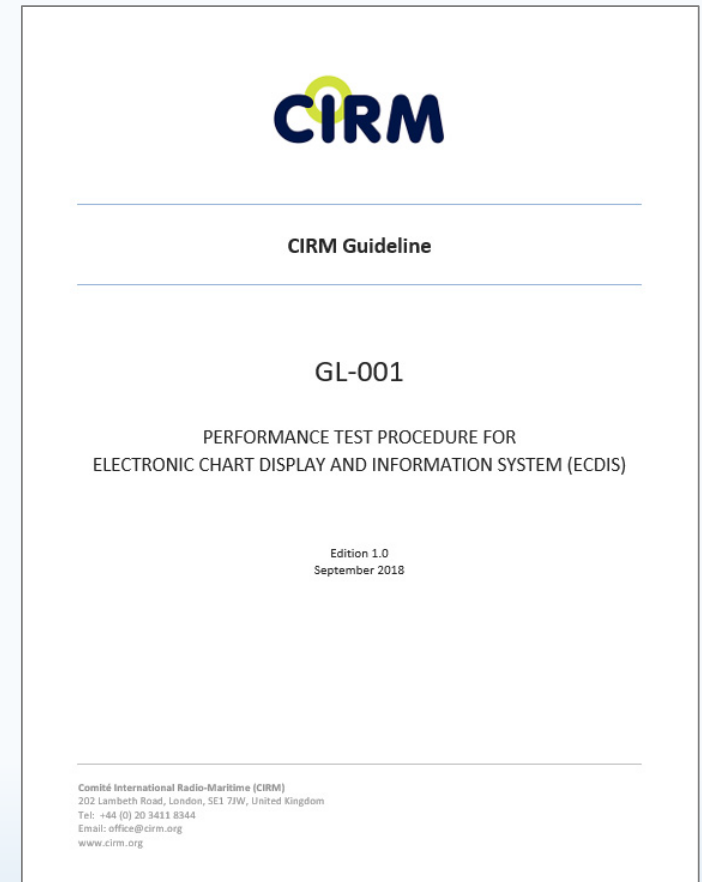
About CIRM

- International non-profit association of marine electronics companies
- We are an NGO in Consultative Status to IMO
- Approx. 115 members, including:
 - Equipment manufacturers
 - Service providers
 - System integrators
 - Software development companies



GL-001: Performance Test Procedure for ECDIS

- First CIRM Guideline published Sep 2018
- Available on CIRM website:
cirm.org/publications
- External organisations have commented favourably on content
- OCIMF may reference it in ECDIS guidance



CIRM Cyber Risk Code of Practice

- **CIRM Cyber Risk Code of Practice for Providers of Marine Electronic Equipment and Services**
- Due for publication Q3 2019
- Includes a Guideline on how to implement the Code of Practice
- Not just another set of industry cyber guidelines... Establishes voluntary code of practice for CIRM members (manufacturers and service providers) on cyber security best practice



Route Exchange

- Issues have been identified in the existing route exchange (RTZ) specification IEC 61174:2015 Annex S
- Includes typos & wider implementation issues
- CIRM ECDIS Working Group is currently developing an amendment to IEC 61174:2015 to address issues
- Also watching development of S-421 within IEC TC 80



Use of larger monitors for ECDIS

ECDIS Working Group current task:

- Develop position on appropriate measures to ensure that larger ECDIS monitors can be properly type approved for use on board
- Contribute to IHO's work on this matter



S-63 cyber security vulnerability

ECDIS Working Group task:

- Develop position on S-63 cyber risk vulnerability
- Contribute to IHO's work on this matter
- Undertake an impact assessment – evaluate the cost/impact of addressing the S-63 cyber vulnerability *versus* accepting the risk



A.893(21) Guidelines for Voyage Planning

ECDIS Working Group future task:

- Develop proposal to revise IMO Resolution A.893(21) Guidelines on Voyage Planning



Manufacturer participation in IHO

- Members have expressed concern about the lack of manufacturer participation in the technical work of IHO
- We are exploring possibility of sending technical experts to IHO technical meetings to represent CIRM, where appropriate



S-101 implementation

- CIRM members desire more information from IHO on the timescales associated with S-101 implementation
 - How long will S-57 ENC's continue to predominate?
 - By when will ships be required to carry S-101 ENC's?
 - When will we see global coverage of S-101 charts?
- Answers to these questions have major business implications for ECDIS manufacturers



ECDIS updating in the S-100 world

- We need to exert control over the ECDIS updating process... critical we avoid “chaos” of the current updating regime
- User associations demand improvement and transparency, e.g.
 - Consistent edition numbering (X.Y.Z), where number indicates scope of the revision and whether it is mandatory
 - Major (mandatory) updates on a fixed schedule; can be anticipated and planned for (S-100 edition X.0.0)
- Predictability will help ECDIS implementers and customers
- Needs co-operation between IMO and IHO!



Action requested of HSSC

- Note

- industry's need for clear information on the timescales associated with implementation of S-101
- the desire of ECDIS manufacturers and customers for better control and predictability in the standards revision/ECDIS updating process

