12th Meeting of the Hydrographic Services and Standards Committee

Report of CIRM activities affecting HSSC

ABOUT CIRM

- International association of marine electronics companies

- We are an NGO in Consultative Status to IMO

- Approx.115 members, including:

  - Equipment manufacturers

  - Service providers

  - System integrators

  - ECDIS companies – manufacturers, kernel makers, data providers (UKHO, NOAA)

- CIRM Guideline published Sep 2018

- Available online: cirm.org/publications

- Referenced in Edition 3 of the Admiralty Guide to ECDIS: *Implementation, Policy and Procedures NP232*

- Being used by at least one ship management company for the purpose of ECDIS inspections
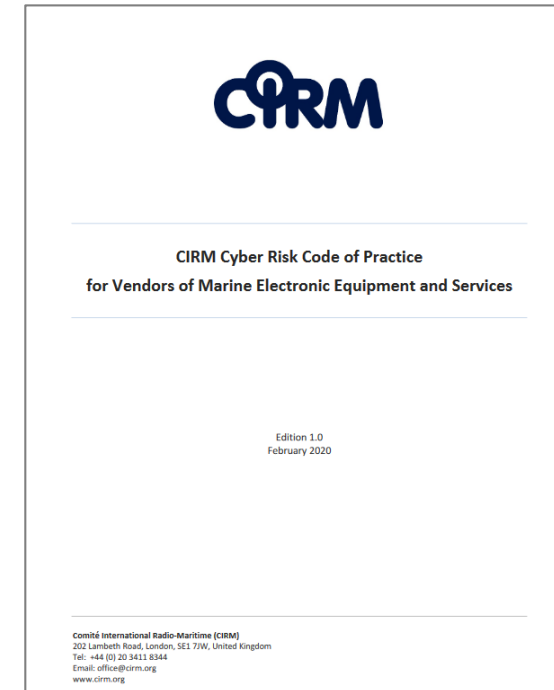
CIRM Guideline

GL-001

PERFORMANCE TEST PROCEDURE FOR
ELECTRONIC CHART DISPLAY AND INFORMATION SYSTEM (ECDIS)

Edition 1.0
September 2018

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CIRM CYBER RISK CODE OF PRACTICE

- Published Feb 2020

- Consists of six guiding principles for manufacturers & service providers to establish their role in the chain of trust for a secure digital maritime environment

- CIRM Guideline GL-002 provides guidance to manufacturers and service providers on how to implement

CIRM Cyber Risk Code of Practice
for Vendors of Marine Electronic Equipment and Services

Edition 1.0
February 2020

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CODE OF PRACTICE
Cyber Risk

- 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 has developed a draft IEC Publicly Available Specification (PAS) to improve and expand upon original RTZ spec

- Also watching development of S-421 within IEC TC 80

REVISION OF MSC.1/CIRC.1503/REV.1

- IMO Circular "ECDIS – Guidance for Good Practice" is open for revision (2020-2021)

- Goal of revision: *to improve the unified interpretation of ECDIS type approval when approving ECDIS' software and relevant updates*

- China is developing a proposal to submit to NCSR 8

- CIRM reviewed China's first draft proposal and provided comments… they are currently under consideration

TRANSITION TO S-101 ENCS

- CIRM supports the move to S-100 ECDIS and transition from S-57 to S-101 ENCs

- OEMs need to have input. CIRM's position:

  - Any implementation date(s) must be realistic and practical…
    1 Jan 2024 is not possible!

  - Concerns about "dual-fuel" burden on OEMs - an end date is needed, after which ECDIS need only support S-101 ENCs

  - Amendments to MSC.232(82) should include words to facilitate integration of S-100 datasets in support of e-navigation

- Note:

  - CIRM will provide input to discussions related to S-101 implementation timescales (IMO, IHO, etc.)

  - ECDIS OEMs that are not active within IHO are keen to collaborate with IHO through CIRM