Paper for consideration by HSSC9

**Request for the funding of ENC datasets for checking S-58
Edition 6.0.0 "Critical" checks.**

Submitted by:	ENCWG
Executive Summary:	Proposal for funding of the development of datasets for S-58 Edition 6.0.0 "Critical" checks
Related Documents:	ENCWG
Related Projects:	S-57

Introduction Background

The ENCWG have developed Edition 6.0.0 of the S-58 Standard - ENC Validation Checks. The new edition was approved by Member States in May 2017 (announced by CL37/2917). An important new feature of Edition 6.0.0 is the inclusion of checks which are classified as "Critical". These checks constitute a mandatory "minimum requirement" that all official ENCs must satisfy. S-58 Edition 6.0.0 will enter into force on 01 June 2018, at which time Edition 5.0.0 will be retired.

Analysis/Discussion

In order to ensure that the new edition is correctly implemented, the 2nd ENCWG discussed the production of ENC datasets that could be used as a check mechanism for software developers, and also for HOs to test conformance with S-58 Edition 6.0.0.

The ENCWG conceded that the development of datasets that included all tests was not feasible, however the WG agreed that funding should be sought for datasets that include all the "Critical" errors in the new edition. This resulted in ENCWG2 action to "investigate what funds could be made available for the development of test data sets for S-58 critical errors".

Justification and Impacts

The proposed datasets will provide a check mechanism for ENC validations software developers implementing S-58 Edition 6.0.0. It will also assist HOs to test conformance with the new edition.

Recommendations

It is recommended that HSSC9 approves the funding for the development of ENC test datasets that will be used as a check mechanism for ENC validation software developers, and for HOs to test conformance with S-58 Edition 6.0.0. The estimated cost is approximately 15 000 Euro.

Action Required of HSSC9

The HSSC9 is invited to:
      a.   note this paper,
      b.   approve the allocate of funds requested above.