

Status report on Validation Checks for S-57 and S101

Submitted by:	Denmark
Executive Summary:	This paper gives an overview of the current validation checks in S-58 and the development of validations checks for S-101 data.
Related Documents:	S-58; S-101
Related Projects:	S 100 Test bed

1) **Background**

S-58 edition 5.0 introduced the concept of minimum validation requirements and the intention to mandate adherence to the checks classified as ‘Critical’. In preparation for the intended mandation, edition 6.0 of S-58 was published and approved by IHO member states in April 2017. However, implementation of edition 6.0.0 by OEM’s, identified issues with a number of checks that may have resulted in ‘Critical’ errors being reported for valid data.

2) **S-58 Edition 6.1**

To address the issues identified a new edition 6.1.0 has been prepared by the ENCWG and endorsed by the Hydrographic Services and Standards Committee (HSSC) and will shortly be circulated to IHO member states for approval. The implementation of mandatory checks for ENC producers will be announced by circular letter once software conforming to S58 edition 6.1.0 is available and certified.

3) **S-58 Test Data Sets**

In order to assist the mandation process and certification of validation software the IHO has commissioned the production of test data sets. These test data sets contain examples of data issues that should fail all of the checks currently classified as ‘Critical’. Denmark has been heavily involved in reviewing and carrying out the acceptance tests for the test data sets which are now in the final stages. Once accepted the test data sets will be made available to OEMS and member states.

4) **S-101 Validation Checks**

As part of the development of S101, DK is leading on the development of validation checks for the new standard. Initially this work focused on identifying those S-58 checks that will still be relevant then reword as required.

It has been decided to split the checks into S100 generic checks, that can used for all S100 based products, and product specific checks.

Action required of BSHC23

The BSHC23 is invited to:

- a. Note the report;
- b. Take any other action as appropriate.