

Paper for Consideration by ENCWG**S-58 Machine readable file provision**

Submitted by:	PRIMAR
Executive Summary:	It is requested that IHO provide a machine readable version of S-58 in addition to the already provided pdf document on IHOs Standards & Publications Web page.
Related Documents:	S-58 ENC validation checks edition 6.0.0
Related Projects:	

Introduction / Background

Today IHO provides S-58 ENC validation checks edition 6.0.0 as a pdf document. It is freely available for download on IHOs Standards & Publications Web page.

Analysis/Discussion

S-58 is today being used when implementing support for ENC validation operations in ENC related production software, various display systems and quality assurance tools. Basis for implementation is the standard as delivered from the IHO. To provide automated, reliant and functional services a machine readable version of the standards section 3 Validation Checks is required.

Conversion from pdf to a machine readable format may be done separately within the affected users own companies today. For the users of S-58 to avoid failures and misunderstanding due to conversion processes IHO should consider offering .csv and possibly other machine readable formats in addition to today's pdf version.

Also, for future expansions of S-58 to S-101 and for other future S-100 derived products, machine readable versions of validation checks standards will become useful.

Conclusions

Machine readable versions (preferably .csv format) of S-58 section 3 Validation Checks and future expansions should be considered offered by the IHO. Stakeholders and others offering existing and future software systems related to ENC validation operations could find such format(s) of S-58 beneficial.

Action Required of ENCWG

The ENCWG is invited to:

Note this paper and discuss if machine readable format(s) of S-58 should be made available.