

Paper for Consideration by TSMAD/DIPWG

Improving ENC Consistency through S-101

Submitted by:	TSMAD Chair and S-101 Work Item Leader
Executive Summary:	This is a discussion paper on ways to improve ENC consistency through S-101.
Related Documents:	ENC Consistency paper
Related Projects:	NA

Introduction / Background

Over the years, ENC consistency has been raised numerous times in various IHO forums. TSMAD is looking towards utilizing S-101 to improve upon ENC consistency through standardization. This paper is to discuss ways to further tighten up ENC consistency issues and to investigate other areas which may need to be tightened.

Analysis/Discussion

In May 2003, IC-ENC presented a paper at TSMAD 10 on improving ENC consistency. Many of the issues raised in this document have been implemented by Hydrographic Offices placed in S-65 or are being addressed in S-101. For example, the idea of utilizing standard display scales has been approved by TSMAD for S-101. However, as a whole TSMAD needs to address these issues for possible incorporation into S-101, and the following table summarizes the issues raised in the IC_ENC document.

ISSUE	S-101	Comment
Compilation Scale versus Display Scale	Yes	This is now set as a spatial resolution and is aligned with the standard RADAR ranges. Need to consider changing CSCL to DSCL (Display Scale) in the 8211
Guidance on the use of M_CSCL		Does TSMAD need to mandate this
USAGE Band Assignment		Usage bands are to be utilized for catalogue purposes only and will not have a display scale attached
SCAMIN	Yes	SCAMIN that is now in S-65 will be incorporated into S-101
Data Inconsistencies across usage bands		
Contour Intervals		Mandate that contour intervals align with S-4
Inconsistent Depiction and misalignment of data at cell boundaries		
Inconsistent Depiction of Data within a cell		
Holes in Data coverage	Yes	This should be resolved by the new display scales.
Use of CATZOC in M_QUAL		Possibly remove unassessed as an allowable enumeration
Data Gaps and overlaps		Need to establish rules for the handling of gaps and overlaps
Strengthening Encoding Rules in the UOC	Yes	

Conclusions

The purpose of the above table is to set the stage for discussing what is needed to improve ENC consistency.

Action Required of TSMAD/DIPWG

The TSMAD/DIPWG is invited to:

- a. discuss the above consistency issues and propose a way forward for inclusion into S-101