

Paper for Consideration by the  
Digital Information Portrayal Working Group (DIPWG)

Finalization of S-52 Preslib 4.0

**Submitted by:** DIPWG Vice Chair

**Executive Summary:** *Plan for the verification and completion of S-52 Preslib 4.0.*

**Related Documents:** S-52 Preslib 3.4 – 4.0

## 1. Introduction / Background

HSSC 3, 2011, approved a new edition of S-52 Preslib comprising these work elements;

1. Conversion of the complex conditional symbology procedures, currently in Nassi Shneiderman (NS) diagrammatic form, to S-100 XML script language. Removing ambiguity from the technical language used within the standard.
2. For the purposes of alarms and indications, provide a detailed mapping from the IMO Performance Standard and IEC 61174; areas for which special conditions exist to S-57 object and attribute combinations.
3. Enhancements to the current display of existing objects and attribute combinations, as detailed in the previous section.
4. Clarifications to definitions, citing examples, and technical language simplification.
5. Inclusion of all current deferred amendments.

DIPWG are required to produce the new edition of the Preslib for submission to HSSC 5 Nov 2013

There has been one significant change from the work programme endorsed by HSSC. During the drafting phase it was felt that the conversion of the NS CSPs to UML would be more meaningful therefore the decision was made in consultation with OEMs to replace the NS diagrams with UML models.

## 2. Analysis/Discussion

Following an extensive overhaul by the UK and expert contributors a new version of the S-52 Preslib has been created.

As with any change to existing standards there is a risk that some small alteration may inadvertently introduce an unwanted occurrence. There have been two review periods carried out via correspondence to counter this, but the Preslib is a huge document and the effort required to review the whole thing coupled with the extensive changes has represented a challenge for the experts.

### **3. Recommendations**

In order to ensure S-52 Preslib is comprehensively reviewed before its intended publication date the UK recommends an expert DIPWG panel is setup with the authority to review and amend the new Preslib as necessary. On completion of the review this group would then recommend to DIPWG the document is fit to be passed to HSSC for ratification.

### **4. Action Required of DIPWG**

1. Setup expert review panel
2. Agree review process
3. Agree meeting locations and dates