

S-52 PresLib 4.0 Changes

- Magnitude of “clarifications”
 - Has made review of PresLib4.0 difficult
 - How will developers easily distinguish editorial changes from functional changes that need to be implemented?
- 10.1.2 Unknown and Missing Attributes
 - Does the modified text infer that more cases of unknown or missing values will be accommodated in v4.0 than in v3.4?
 - Does this weaken the desired effect of S-58 and S-64?

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- 10.1.3 ENC Overlaps
 - We don't need to reference geo-politics, there are plenty of other examples
 - What “contingencies” are OEMs expected to provide?
 - Will S-52 have to provide rules for display, alarms, etc.?
 - Does this weaken the effectiveness of S-58?
 - Does S-64 need to provide examples of overlapping data?
- 10.1.4 Gaps, “During route monitoring the Mariners attention must be drawn to areas where there are gaps in the data coverage.”
 - New Requirement. Expectations not defined

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- 10.3.4.4 Independent Mariners Selections
 - New section containing some new requirements
- 10.4.1 Date Dependent Objects
 - Changed to mandatory requirement, “Any object with [date dependant] attributes ~~should~~ must not ~~normally~~ be displayed outside its effective dates.”
- 10.4.2 Scale-Dependent Objects (SCAMIN)
 - New requirement that, “ECDIS must provide a function to turn off the SCAMIN attribute to display all objects in the chart display

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- 10.5.7 Shallow water indicator
 - Availability of symbol changed from optional to mandatory
- 10.5.9 Detection and Notification of Navigational Hazards
 - Now specifies the Features/Attributes for which “ECDIS should give an indication, if, within a specified time set by the mariner, own ship pass closer than the user specified distance for a danger (e.g. obstruction, wreck, rock) that is shallower than the mariner's safety contour or an aid to navigation”

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- 10.5.12 Detection of Safety Contour
 - New requirements to include certain features to construct the safety contour
- 10.6.3 C Code for Lights
 - C code has been removed from S-52

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- 10.9 Tidal Stream Panels
 - New requirement for formatting TS_PAD data in pick report
- 13 Replacing Nassi-Schnidermann diagrams with UML
 - Not fully reviewed, may unintentionally change CSP logic
 - Some changes to the logic have been suggested that have not been vetted