# Paper for Consideration by ENCWG 6

#### S-52 Clarification edition 4.0.4

Submitted by:	ENCWG Chair
Executive Summary:	Following the publication of S-52 edition 4.0.3 a number of further minor
-	issues have been identified.
Related Documents:	S-64
Related Projects:	NA

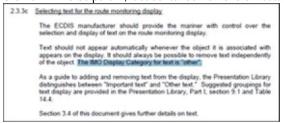
#### Introduction / Background

During preparation of the S-101 Portrayal Catalogue NIWC have identified a number of issues that may require publication of a further clarification edition of the S-52 presentation library. It was also brought to our attention by Navtor that a Chart 1 dataset had a minor issue with a coverage object.

### Analysis/Discussion

- 1. Potential safety issue: S-52 PresLib 4.0.3 Part 1, 10.4.1 para 2: recommend provide guidance on date dependent objects and safety check.
  - https://github.com/S-101-Portrayal-subWG/Working-Documents/issues/14
  - Should look-ahead during route monitoring evaluate objects based on the current date or on the mariner selected date(s)?
  - Potential safety issue as ECDIS systems may implement differently, and different mariners may have different expectations.
  - o Recommend clearly distinguishing between display requirements and route check / route monitor look-ahead requirements with regard to date dependent objects and settings.
  - Recommend: "ECDIS must always display date dependent chart data using the Mariner selected date or date range. When performing a safety check during route planning the ECDIS must use the Mariner selected date(s). The look-ahead function during route monitoring must use the [current date, mariner selected date(s)]."
  - Considerations:
    - MSC.232(82) 11.2, 11.4.6 look-ahead function operates independently of the data selected for display.
    - permanent indication on chart display is required when viewing date does not include current date
    - See IEC 61174 4.18 table 3 "default" selection
      - sets viewing date to current
    - See MSC.232(82) 11.4.2 single operator action to return to route monitoring
      - no requirement to change viewing date
- 2. Viewing group for bridge text is inconsistent ("21" in annex B, "26" in annex C, "21" in DAI for both plain and symbolized boundaries. Should use "26" in all cases.
  - S-101 PC implements as "26"
- 3. S-52 provides no display parameters (display plane, priority, etc.) for SY(CHDATD01).
  - https://github.com/S-101-Portrayal-subWG/Working-Documents/issues/13
- 4. S-52 4.0.3 DAI has incorrect drawing priority of "8" for instances of SY(INDHLT). Priority is "9" in appendices B-F.
  - o S-101 PC implements as "9"

- Note S-101 implementation of light descriptions with unknown lightCharacteristic. Add guidance to S-52 if desired.
  - o https://github.com/S-101-Portrayal-subWG/Working-Documents/issues/10
- 6. Text is independent of the IMO display category
  - S-52 6.1.1 2.3.3c para 2, last sentence: remove or restate.



#### S-52 PL 4.0.3 Part 1, 9.1 para 3, sentence 2: remove or restate.



7. It has been identified that cell AA5C1CDE has two overlapping M\_COVR objects with attribute CATCOV = {1} (coverage available).

#### Recommendations

It is recommended that the S-52 subgroup review the identified issues, and where necessary take appropriate action to create S-52 Presentation Library edition 4.0.4. The group should also consider if any change necessitates a clarification to S-64.

#### **Justification and Impacts**

The initial assessment should be carried out by Aug 2021, if clarifications are required updates should be made and a redline version circulated to ENCWG by Oct 2021. Review of S-52 PL edition 4.0.4 complete and standard published by Dec 2021

## Action Required of ENCWG

The ENCWG is invited to endorse the proposal and agree to the timeline.