Consolidated S-52 and the Presentation Library Review Comments
Resulting From DIPWG Letter 1/2013

Doc Column: S = S-52, P = PresLib, D = DAI File

Accept Column: Y = Change will be accepted unless an objection is stated at DIPWG-6. D = To be discussed at DIPWG-6

Comment Submitters:
BB – Brent Barre – USA, Navy
CH – Colby Harmon – USA, NOAA
HM – Hovi Mikko – Finland, Finnish Transport Agency
JP – Julia Powell – USA, NOAA
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KN – Krzysztof Naus – Poland, Polish Naval Academy
NC – Nikolai Chagoubatov – Nautical Digital Equipment

Accept	Submitter	Doc	Page	Paragraph	Recommended Change (Please provide text to be used to replace the error or resolve the issue)	Rationale
Y	NC	D			Edit .dia file to change symbol name from WIMCOM01 to WIMCON11.	Our ECDIS detects an error when loading of Presentation Library 4.0.0 Draft edition (downloaded from IHO site) at line 6062 of file PresLib_e4.0.0.dai: Unknown symbol WIMCOM01. The original line 6062 is INST 13SY(WIMCOM01) It seems it should be INST 13SY(WIMCON11)
Y	JP	P	ALL	ALL	Check the entire document for spaces between words. There are numerous instances that the space is missing between words.	
D	HM	P	All	All	Use 'must' instead of 'shall' to indicate mandatory requirements.	Avoid 'shall' for better understanding. Prefer the may/should/must classification.
D	HM	P	All	All	The PresLib includes some fundamental changes to ECDIS display functionality (like the ability to turn off SCAMIN) without any discussion on them within the whole WG membership. The justifications given in the foreword are in some cases very vague. Like the first new mandatory requirement, the isolated danger on/off-switch, which is in practice justified by the result of the requirement…	
Y	JR	P	ii	Table 2nd line	New wording for description: Ability to turn SCAMIN on/off.	Same style for wording as in first line for consistency.
Y	JR	P	ii	Table 3rd line	New wording for description: Ability to turn shallow water pattern on/off.	Same style for wording as in first line for consistency.
Y	JR	P	ii	Table 3rd line	Change: "…ECDIS night pallet." with: "ECDIS night colour table."	Consistent terminology.

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Y	BB	P	vii		PresLib_e4.0.0_Part_I lists the changes made to the lookup tables. Do these changes refer to both the text and digital versions of the lookup tables? Also, it does seem that the .dai file has been updated (it is now versioned 4.0.0), but this is not listed in Part_I in the following: • Digital versions: - PRSLIB03.dai (July 1997), - PSLB03_1.dai (December 1998), - PSLB03_2.dai (May 2000), - PSLB03_3.dai (March 2004), - PSLB03_4.dai (January 2008)	The look-up tables in both the textual (within the PresLib document) and digital (within the DAI files) versions have been updated. [Harmon] The "Change Control History" on page vii of the Presentation Library now correctly reflects the latest version of the DAI file (PSLB04_0.dai). [Harmon]
D	KN	P	2	18	5 ECDIS Display Concept Figure 1 ECDIS Display Concept 	The original algorithm is not optimal in terms of speed. The proposed change will improve its speed. The revised algorithm does not perform symbology instructions/procedures for objects whose attribute value 1/SCAMIN is greater than display scale.

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Y	HM	P	6		Line referring to 10.6.1.1: NINFRM -> NINFOM	
Y	JP	P	9	1 Note	Add a space between the following: 62288shall shallbe	
D	JP	P	10-12	2	Terms and Definitions were moved from S-52 years ago to S-32 Appendix 1. Many of these have already been defined in S-32. Remove the terms and definitions that are already included in S-32. If they do not agree, update the S-32 document with the new term and definition. Ideally this clause should be removed and the new terms and definitions should be added to S-32.	S-32 is currently the official source for ECDIS terms and definitions. This was decided at CSMWG17. See minutes Action 56 where it was decided that the glossary which was formally appendix 3 was to be absorbed by the hydrographic dictionary. Either DIPWG moves the glossary as a whole back to S-52 or moves the new terms and definitions to S-32. We can't have the same thing defined twice with two slightly different definitions.
D	CH	P	13	[4]	Delete the reference to Publication S-52, Appendix 2, Edition 4.3.	This portion of S-52 was incorporated into the main part of S-52 (reference #3) many years ago. A separate reference is not necessary.
Y	JP	P	14	4 diagram	Need to update the diagram to bring it in line with S-52 6.1 which notes that Annex B is deleted	Annex B no longer exists.
Y	JP	P	14	4.1 pp2	Add a space between presentationmodel	
Y	JP	P	16	4.3 pp 8	Add a space a between word-processedPresentation	
Y	JP	P	16	4.3 pp10	Add a space between symbolSY(CHKSYM01)	
Y	JP	P	16	4.3 pp4	Add a space between carriesa	
Y	JR	P	20	5.b)	Replace: "…colour fills depends…" With: "…colour fill depends…"	Singular form
Y	JP	P	20	Clause 6 #5	Add a dash to S57.	Consistency. It is S-57 not S57. Also double check the whole document as there are other instances
Y	JR	P	21	6.1 1st para.	Replace: "…"pallet" such as "Day-Bright", "Dusk" and "Night"." with "…"palette" such as "Day", "Dusk" and "Night"."	The term "palette" should be consistently used. The term used in colour table is "Day".
Y	JP	P	23	6.7 pp2	Add a dash to S52	Consistency. It is S-52 not S52. I would double check the document for this case also.

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Y	JP	P	25	7 pp1	Change: The colour tokens are defined by CIE-coordinates. The standards responsible for describing To: The colour tokens are defined by CIE-coordinates. The IEC standards responsible for describing	As we are referring to IEC standards in 6.1 it provides more clarity. As it reads it implies that the S-52 6.1 will provide the conversion rather than deferring to IEC.
D	JP	P	28	7.1.3 2)	Change: in which case Colour & Symbol Specifications 2.3.2 (b) applies and an indication is required To: in which case S-52 ed 6.1 Colour & Symbol Specifications 2.3.2 (b) applies and an indication is required	Ambiguous reference back to S-52 6.1. [Is edition number needed? CAH]
Y	JP	P	32	8.1 pp1	Change: For each vector symbol the height and width are define in units of 0.01 mm..Symbols in To: For each vector symbol the height and width are define in units of 0.01 mm. Symbols in	Extra period
D	JP	P	39	8.5.1 pp5	Provide the reference to the S-64 test that shows the example where text can extend beyond the boundary	I checked the latest draft of S-64 and could not find an example of the case where the text that extends beyond the boundary. Everything for clause 8.5.1 in S-64 referred to centered symbols
Y	JP	P	39	8.5.1 pp5	Change: IHO S-64 contains examples of cases which an ECDIS shall be capable of handling Text is allowed to extend beyond the boundary of an area. To: IHO S-64 contains examples of cases where an ECDIS shall be capable of handling Text that is allowed to extend beyond the boundary of an area.	Missing word in the sentence.
Y	JR	P	41	8.4.1 Note	Replace: "Centred area symbols shall be used…" With: "Centred area symbols still shall be used…"	Recover old wording. Without "still" it reads as if a centred area symbol shall only be used with symbolized boundaries. But the intention is that it shall also be used with plain boundaries.
Y	JR	P	44	9 command list	Add space after "SHOWPOINT (SY)".	Typo
D	JR	P	47	9.1.1 1st para.	Remove 1st paragraph, "Full LUT entry"	Seems to be a forgotten reminder.

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Y	JR	P	47	9.1.1 Heading	Replace: "Show Text Example" with: "SHOWTEXT Example"	Consistent with following examples.
Y	JR	P	48	9.1.1 2nd heading	Replace: "Alphanumeric Example" with: "Formatted Text Example"	Improved heading
D	JR	P	51	9.4.1	Example with transparent colour fill.	Example for AC with transparent colour fill would be helpful
Y	JR	P	51	9.4 last para.	Replace: "1. 25% where 3 out of every 4 pixels use TRNSP 2. 50% where 2 out of every 4 pixels use TRNSP 3. 75% where 3 out of every 4 pixels use TRNSP" with: "1 - 25% where 1 out of every 4 pixels use TRNSP 2 - 50% where 2 out of every 4 pixels use TRNSP 3 - 75% where 3 out of every 4 pixels use TRNSP"	Enumeration values not clearly indicated. Text for 25% is not correct.
Y	JR	P	52	9.5 Description	Replace: "CALLSSYMPROC" with: "CALLSYMPROC"	Typo
Y	JR	P	53	10.1.2	Replace: "…, sometimes the attribute values may not always be available and a producer may encode the attribute value as unknown." with: "…, sometimes the attribute values may not be available and a producer may encode the attribute value as "unknown"."	"Sometimes" and "not always" is redundant. "unknown" in quotation marks to indicate value.
D	JP	P	55	10.1.2	Change: All mandatory attributes required by S-57 Appendix B1, ENC Specification To All mandatory attributes required by S-57 Appendix B1, ENC Specification, including Supplement 3.	There are some new features that are only defined in the S-57 supplements – such as ASLs and PSSAs. Please include references to the supplements also. Note supplement 3 is in the process of being published.
D	JP	P	55	10.1.3	Just a comment – should the ECDIS also provide the option for the mariner to pick which cell to view in an overlap situation. Also – should S-52 provide a symbolization of overlap areas – similar to what it provides for EN/nonENC data.	

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D	JR	P	57	10.2	???	Reference to section 12 is not correct.
Y	JR	P	58	10.3.1 1st para.	Replace: "lookup table" with: "look-up table"	Consistency.
Y	JR	P	58	10.3.2 heading	Replace: "Lookup Table" with: "Look-up Table"	Consistency.
Y	JR	P	58	10.3.3 heading and 1st para. (whole doc.)	Replace: "Lookup Tables" with: "Look-up Tables"	Consistency. (At several places in whole document.)
D	JP	P	59	10.2	Remove the note	I can't find the examples of test cases for the queries. If a note is in S-52 referring to S-64 it should be able to reference the specific part of S-64
Y	JR	P	60	10.3.3.2 (ii) (whole doc.)	Replace: "S57" with: "S-57"	At several places in the document "S57" or "S 57" is used instead of "S-57".
Y	JR	P	60	10.3.3.2 (iii)	Replace: «omission» with: "omission"	« should be "
Y	JR	P	62	10.3.4.1 1st para.	Second sentence of first paragraph should be deleted.	Repeated text.
D	JP	P	61	10.3.3.5	Diagram (4th box). Should "Select look-up on warners ..." supposed to be " ... on mariners'?"	I'm not sure what warners is.
Y	JR	P	64	10.3.4.1 Note	Replace: "…shall be draw together." with: ""…shall be drawn together."	Typo.
Y	JP	P	64	10.3.3.8	Change: The 'New Object' feature class has been added to the S-57 Object Catalogue for detail on its use and encoding please see the S-57 Use of the Object Catalogue. To: The "New Object" feature class has been added to S-57 via supplement 3. For detail on its use and encoding please see the S-57 Use of the Object Catalogue	The S-57 object catalogue is still frozen. New Object is only defined via the S-57 Supplement.

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Y	JR	P	68	10.4.1 3rd para.	Replace: "SY(CHDAT01)" with: "SY(CHDATD01)"	Typo.
Y	JR	P	71	10.5.8 1st para.	Replace: "BLKADJ" with: "BLKADJ01"	Use correct symbol name.
D	JP	P	71	10.4	There is an issue if the ENC has encoded a date dependent feature with a leap year sequence. For example if the datend is February 28th and the datsta is March 1st every four years the feature will not display properly. The ECDIS should account for this.	I had put this forth as a test to IEC 61174 – but noted that it is not contained in the latest version, nor is there a test in S-64. I'm wondering if this is something that needs to go into S-52. If it is decided not to do this let me know and TSMAD can put forward an encoding bulletin. This actually happened to NOAA last year and we had a day with no seasonal buoy's – which isn't very safe and it should be noted that the USCG had indicated that this was the official PEREND and PERSTA for these buoys. **[Possible Encoding Bulletin]**
Y	JP	P	77	Table	Remove the ! in the attributes for Restricted Area. Also change the "and" to an "or"	In this case the "and" implies that both conditions need to exist for RESARE. It is actually an OR as a PSSA does not have an ATBA associated with it. If it does it is actually a separate restricted area.
Y	JR	P	77	10.6.3 1st para.	Replace: "c-code" with "C-code"	To indicate that the programming language "C" is referenced.
Y	JP	P	79	10.6.1.1 Table	By stating that INFORM is <=300 characters you are now mandating that this is what it is. Remove the <= 300 characters	S-57 UOC only says as a guide that INFORM should be <=300 characters. It is not mandatory. Therefore if S-52 puts this in, the OEMs will think that this is the rule – when it is not.
D	JP	P	82	10.6.3 Note	Delete the note	Stating that Care shall be taken when constructing Light descriptions for sectored lights does not actually impart any useful information as to what needs to be done.
Y	JR	P	83	10.8.5 2nd para.	Replace: "SYINFORM01 and (SY - Pol's new date symbol)" with: "SY(INFORM01) and SY(CHDATD01)"	Symbol name is missing.

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D	JP	P	88	10.8.5	What is Pol's new date symbol? Put in the correct symbol name.	
Y	JP	P	105	12 pp3	Change: The ECDIS shall provide symbol selection between 1 and 2 and between 4 and 5 to the Mariner. To: The ECDIS shall provide the mariner the option to select symbols between 1 and 2 and linestyles between 4 and 5.	More clarification needed in this sentence
Y	JR	P	272	18.3.2 2nd para.	Replace: "SY(BLKADJ)" with: "SY(BLKADJ01)"	Use correct symbol name.
Y	JP	S	ALL	ALL	Need to go through and update the references to the PL in this document.	The PL has been re-organized and the references are no longer correct in S-52 e6.1.0 For example clause 2.2.8 of S-52 states to see section 2.3.3c, 3.1.5 and 3.4 and section 7.1.3 of the Presentation Library. That implies that one should be looking at the PL 4.0 document – however, the references are actually in this document. There are a number of places where this happens.
Y	JR	S	1	1.1.3 (2) and (3)	Replace "ENC's" with "ENCs" (3 occurrences)	This is a plural 's' not a genitive.
Y	JR	S	2	1.1.3 (4)	Replace "IHOMemberStateHydrographers" with "IHO Member State Hydrographers"	Spaces are missing.
Y	JR	S	3	1.1.3 last para	Replace "revisedIMO" with "revised IMO"	Space is missing.
Y	JR	S	4	1.1.4	Replace "madeimportant" with "made important"	Space is missing.
Y	JR	S	5	1st para	Replace "withinthese with "within these"	Space is missing.
Y	JR	S	5	1.2 (c)	Replace "thisSpecification" with "this Specification"	Space is missing. This seems to be a general issue that spaces are lost in the word document.
D	JR	S	6	1.2 (e)	Replace "mariners" with "mariner's".	This is a genitive 's' not a plural. [Should it be mariners' CAH]

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D	JP	S	7	1.4.1	In general this entire paragraph needs to be harmonized to the new structure of the document.	There should be some notation that a lot of the items have been pulled from Annex A into appendixes. The words should follow what the diagram depicts.
Y	JP	S	8	1.4.1.2	Change the edition of Annex A from 3.4 to 4.0.	The edition is now 4.0
Y	JP	S	8	1.4.1.3	Eliminate all the text after Annex B and note that it has been deleted in this edition	Annex B is deleted. The diagram is correct the words are misleading
Y	JP	S	15	2.1.3	This entire clause needs to be reviewed or eliminated as it refers to an Annex that has been deleted.	Update this clause regarding the decisions on colour calibration
D	JR	S	21	2.3.1e	Square brackets should be removed.	Text in square brackets should be kept. [If it was "formerly mistakenly named 'list of abbreviations,' ..." it was quite a while ago. Could we just delete the text too? CAH]
Y	JR	S	26	3.1.2.1.1	A tab is missing	Tokens are not aligned.
D	JR	S	42	4.2.3 last para	Replace "…, using a combination of instrumental testing for the bright sun colour table and subjective visual checking for the dusk and night colour tables." with "…, using a combination of instrumental testing for all colour table and subjective visual checking for the dusk and night colour tables."	There is a discrepancy with 5.2.3.2, first paragraph, last sentence, where it is mentioned that for LCDs the instrumental calibration verification test should be performed for all colour tables.
D	HM	S	44	4.2.5	shall -> must	Avoid 'shall' for better understanding.
D	HM	S	47	5.2.3.1	shall -> must	Avoid 'shall' for better understanding.
Y	HM	S	47	5.2.3.1	Remove note on ΔC*.	This would be the only reference ΔC* in the whole document in the new edition. Is it really needed?
D	HM	S	61	C.3.1	shall -> must	Avoid 'shall' for better understanding.
D	HM	S	61	C.3.1.1	shall -> must	Avoid 'shall' for better understanding.