S-100 Edition 5.0.0 Change Proposals Log

Last Updated 23 March 2022

NOTE : X or a red number in the "Clause (S-100 Ed 4.0.0)" column denotes a proposed new clause in S-100 Edition 5.0.0.

S-100 Part	Clause (S-100 Ed 4.0.0)	S-100 WG Reference	Subject	Decision	S-100 Edition 5.0.0	Notes
0	0-1	S-100TSM7-05.14A S-100WG5-04.09	Refer to comprise fifteen parts instead of twelve.	Approved with amendment	Applied	Amended to state "a set of" parts.
0	0-4 Table 0.1; 0-4.4; 0-4.23-26	Various	Update to include references to new S-100 Parts included in S-100 Edition 5.0.0.	Approved	Applied	
1	1-1	S-100TSM7-05.14B S-100WG5-04.09	Missing Annex 1. Remove Annex 1 reference or insert annex.	Approved with amendment	Applied	Amended to read Annex A.
1	1-3	S-100WG6-04.23; CCG proposal (EM) 17/02/21; Decision S-100WG6/38	Add new reference to RFC 8089 – *The "file" URI Scheme*.	Approved	Applied	
1	1-4.5.2 Table 1-2	S-100WG6-20	Clarification of date and time type formats for XML.	Approved	Applied	
1	1-4.5.2 Table 1-2	S-100WG5-04.13 S-100WG6-15 S-100WG6-15A	Changes implementing miscellaneous corrections and clarifications; Guidance for encoding unknown attribute values; rules for encoding attribute values.	Approved	Applied	Amended last row (see also corresponding amendments to Part 10a).

S-100 Part	Clause (S-100 Ed 4.0.0)	S-100 WG Reference	Subject	Decision	S-100 Edition 5.0.0	Notes
1	1-4.5.3.4 Table 1-3	S-100WG5-04.13	Changes implementing miscellaneous corrections and clarifications.	Approved	Applied	Replaced "a" and "b" with "lower" and "upper" as required.
1	1-4.5.3.10-11	S-100WG6-04.7A	Addition of new complex types for real time data.	Approved	Applied	
1	1-4.6	S-100WG6-04.23; CCG proposal (EM) 17/02/21; Decision S-100WG6/38	Add new guidance on structure of external file references.	Approved	Applied	
2	Entire (Parts 2; 2a; 2b)	S-100WG4-06.3 S-100WG6-04.21A	S-100 infrastructure development (IHO GI Registry Version 3.1).	Approved	Applied	Former Part 2a Feature Concept Dictionary renamed and restructured for Concept and Data Dictionary Registers.
2a	2a-1.1	Part 2 Review Feb 22	Align classes listed in the clause to the revised model.	Approved	Applied	
2a	2a-2	S-100WG5-04.13	Changes implementing miscellaneous corrections and clarifications.	Approved	Applied	Added reference to W3C XML Schema Part 2.
2a	2a-4.2.11	S-100WG5-04.13	Changes implementing miscellaneous corrections and clarifications.	Approved	Applied	Changed description of textPattern attribute (is now in clause 2a-4.2.10).
2a	2a-A	S-100TSM7-05.14C S-100WG5-04.09	Align example of complex attribute with sourced Product Specification.	Rejected	Not applied	Is only an example to demonstrate the structure. New paragraph added for approval.
2b	2b-4.2.17	S-100WG4-04.13 S-100TSM7-05.18	Remark required for preview_sRGB and definitions required.	Approved	Applied	Item No. 3 and 4 in reference paper
3	3-5.2; 3-5.3.1; 3-5.3.5	S-100WG4-04.04	Masking	Approved	Applied	

S-100 Part	Clause (S-100 Ed 4.0.0)	S-100 WG Reference	Subject	Decision	S-100 Edition 5.0.0	Notes
3	3-6.5.3	S-100WG5-04.13	Changes implementing miscellaneous corrections and clarifications.	Approved	Applied	Amended S100_GF_SimpleAttribute to S100_GF_ThematicAttributeType e.
3	3-8	S-100WG6-04.7	Addition of new complex types for real time data.	Approved	Applied	Former clause 3.8 renumbered to sub-clause 3.8.3; New clause heading "S-100 Temporal Framework" and new sub-clauses 3.8.1.and 3.8.2.
4a	4a-5.5	S-100WG4-06.07 S-100WG5-04.16	S-100 compliancy categories.	Approved	Applied	New clause 4a-5.5 and associated sub-clauses.
4a	5.6	S-100WG4-04.16	Footnote "i" is missing explanation for Table 4a-4.	Approved	Applied	Taken from ISO 19115-1.
4a	Appendix 4a-D	S-100WG4-04.11 S-100WG5-04.09	S-100 Exchange Set model. Complete review.	Approved. Metadata group established to discuss.	Applied	Former Part 4a Appendix D implemented as new Part 17. Appendix removed.
5	5-4.2.5.2; 5-4.2.5.3	S-100WG6-04.9	Roles in Feature Catalogues	Approved	Applied	Guidance updated to be more concise.
5	Figure 5-A-1 and Table 5-A-1	S-100WG6-04.23; CCG proposal (EM) 17/02/21; Decision S-100WG6/38	Add productId attribute to S100_FC_FeatureCatalogue class	Approved	Applied	
5	Figure 5-A-1 and Table 5-A-15	S-100WG4-04.13	Listed value format and data format.	Rejected	Not applied	Item No. 2 in reference paper
5	Figure 5-A-1 and Tables 5-A-5 and 5-A-15	S-100WG5-04.06	Linkage between a feature catalogue and specific versions of Registry content.	Approved (?)	Not applied	Agreed that this proposed change was not required.

S-100 Part	Clause (S-100 Ed 4.0.0)	S-100 WG Reference	Subject	Decision	S-100 Edition 5.0.0	Notes
5	Figure 5-A-1 and Tables 5-A-17 and 5-A-18	S-100WG6-04.26	Enhance Feature and Information bindings to allow a binding to a list of possible objects	Approved	Applied	
5	Table 5-A-13	S-100WG5-04.13	Changes implementing miscellaneous corrections and clarifications.	Approved	Applied	Amended S100_FC_AttributeConstraints to S100_CD_AttributeConstraints.
5	Table 5-A-19	S-100WG6-04.9	Roles in Feature Catalogues	Approved	Applied	Guidance updated to be more concise.
8	8-6.2.8	S-100WG4-04.14	New clause to clarify cell structure and sample space compared to grid cell.	Approved	Applied	New clause 8-6.2.8.
8	8-6.3	S-100WG4-04.13 S-100WG5-06.06 S-100TSM7-05.18	Dataset structure.	Approved	Partially Applied	Item No. 11 in reference paper. More work required. On hold for Edition 6.
8	8-7	S-100WG4-04.14	Sub-clause renumbering.	Approved	Applied	
8	8-7.1.4	S-100WG4-04.13 S-100WG5-06.06 S-100TSM7-05.18	Dataset structure.	Approved	Not Applied	Item No. 12 in reference paper. Raphael to supply. On hold for Edition 6.
8	8-7.1.4	S-100WG4-04.13 S-100TSM7-05.18	Last paragraph – attribute sequencingRule.	Approved	Applied	Item No. 13 in reference paper
8	8-8.3; 8-8.4	S-100WG4-04.14	Sub-clause renumbering.	Approved	Applied	
9		S-100TSM7-05.04 S-100WG5-04.11 S-100WG6-04.11	Addressing capability gaps in the S-100 portrayal model.	Approved.	Not Applied	Changes subsequently applied to Part 1 (new clauses 1-4.5.3.10 and 1-4.5.3.11).

S-100 Part	Clause (S-100 Ed 4.0.0)	S-100 WG Reference	Subject	Decision	S-100 Edition 5.0.0	Notes
9	9-1; 9-5.1; 9-7.1; 9-7.4-6; 9-7.7.2; 9-8; 9-9; Appendix 9-A	S-100WG6-04.19	Updates describing input xml.	Approved	Applied	Updates applied throughout in accordance with the accompanying Part 9 redlines.
9	9-6 Figure 9-3	S-100TSM8(?)	Figure updated	Approved	Applied	
9	9-7.2	S-100WG5-04.10	Update InterpolationType to match changes to Part 7.	Approved.	Applied	Sample xml updated.
9	9-7.3	S-100WG4-04.13	Miscellaneous corrections.	Approved.	Applied	Amended last descriptive paragraph in clause.
9	9-7.5	S-100WG5-04.13	Changes implementing miscellaneous corrections and clarifications.	Approved	Applied	Amended 2nd sentence of 2nd paragraph.
9	9-7.6 Figure 9-8; 9-7.7.1; 9-7.7.2; 9-7.7.3; 9-7.7.4; 9-7.7.5; 9-7.7.6	S-100WG5-04.12	Modify the XSLT data input schema objects to align with the GFM and allow for spatial quality. Change the spatial objects from abstract to concrete.	Approved.	Applied	
9	9-7.7.2	S-100WG5-04.12	Changes to input schema.	Approved.	Applied	New sub-clause SpatialObject added. Subsequent sub-clauses re-numbered.
9	9-10.1	S-100WG6-04.18	Validation of portrayal input	Approved	Applied	New clause 9-10.1 – Portrayal input validation.
9	9-11.1.2	S-100WG6-04.8	Portrayal of discrete coverages.	Approved	Applied	New sub-paragraphs "Discrete Coverages" and "Continuous Coverages" added; new paragraph added to sub-paragraph "Numeric and Symbol Annotations".
9	9-11.1.3	S-100WG6-04.11	Allow multiple viewing groups per drawing instruction.	Approved	Applied	New 2nd paragraph added.

S-100 Part	Clause (S-100 Ed 4.0.0)	S-100 WG Reference	Subject	Decision	S-100 Edition 5.0.0	Notes
9	9-11.1.4; 9-A-6	S-100WG4-04.12	Pallete item transparency	Approved	Applied	New clause 9-11.1.4
9	9-11.1.9	S-100WG6-04.25	Guidance for area fills.	Approved	Applied	New paragraph added. Is now clause 9-11.1.10.
9	9-11.1.11	S-100WG6-04.8	Portrayal of discrete coverages.	Approved	Applied	New specification added (is now clause 9-11.1.12).
9	9-11.2	S-100TSM7-05.02 S-100WG5-04.05	Changes supporting the addition of Alerts and Indications.	Approved.	Applied	
9	9-11.2	S-100WG6-04.7 S-100WG6-04.11	Support for real-time data and allow multiple viewing groups per drawing instruction.	Approved	Applied	
9	9-11.2.2	S-100TSM7-05.04 S-100WG5-04.11	Addressing capability gaps in the S-100 portrayal model.	Approved.	Applied	New attributes and roles added to class DrawingInstruction.
9	9-11.2.2	S-100WG6-04.12	Clarify portrayal of cross-feature dependencies.	Approved	Applied	Amended DrawingInstruction attribute parentId.
9	9-11.2.2	S-100WG6-04.11	Allow multiple viewing groups per drawing instruction.	Approved	Applied	Attribute viewingGroup updated.
9	9-11.2.2; 9-12.7.3; 9-13.1; 9-13.2; 9-13.3.1; 9-13.3.25	S-100TSM7-05.02 S-100WG5-04.05	Changes supporting the addition of Alerts and Indications.	Approved.	Applied	
9	9-11.2.5	S-100TSM7-05.02 S-100WG5-04.05	Changes supporting the addition of Alerts and Indications.	Approved.	Applied	New clause 9-11.2.5.
9	9-11.2.7	S-100WG4-04.13 S-100TSM7-05.18	Add attribute suppression.	Approved	Applied	Item No. 17 in reference paper
9	9-12.5.1.6	S-100WG4-04.13 S-100TSM7-05.18	Add attribute clipSymbols.	Approved	Applied	Item No. 18 in reference paper

S-100 Part	Clause (S-100 Ed 4.0.0)	S-100 WG Reference	Subject	Decision	S-100 Edition 5.0.0	Notes
9	9-12.6.3; 9-12.6.3.5	S-100WG5-04.10	Allow TextPoint to specify location of point relative to curve.	Approved	Applied	
9	9-12.6.3	S-100WG5-04.13	Changes implementing miscellaneous corrections and clarifications.	Approved	Applied	
9	9-12.7.3	S-100TSM7-05.02 S-100WG5-04.05	Changes supporting the addition of Alerts and Indications.	Approved.	Applied	
9	9-12.7.4	S-100TSM7-05.02 S-100WG5-04.05	Changes supporting the addition of Alerts and Indications.	Approved.	Applied	
9	9-12.7.4.3	S-100TSM7-05.03B S-100WG5-04.10	Describe colour interpolation method.	Approved.	Applied	Refer email from Dave G 29/03/21 –role endColor updated.
9	9-12.7.4.6; 9-12.7.4.7	S-100WG6-04.8	Portrayal of discrete coverages.	Approved	Applied	New clauses "CoveragePlacement" and "Coverages and placement" added.
9	9-13.2	S-100WG4-04.09	CSS files in more appropriate Portrayal Catalogue folder	Approved	Applied	
9	9-13.3; 9-13.3.1; 9-13.3.8; 9-13.3.25; 9-A-5; 9-A-7-1.6	S-100WG4-04.06	Portrayal Catalogue CSS files	Approved	Applied	New clause 9-13.3.8 added.
9	9-13.3	S-100TSM7-05.02 S-100WG5-04.05	Changes supporting the addition of Alerts and Indications.	Approved.	Applied	
9	9-13.3	S-100WG6-04.10	Allow empty display modes.	Approved.	Applied	

S-100 Part	Clause (S-100 Ed 4.0.0)	S-100 WG Reference	Subject	Decision	S-100 Edition 5.0.0	Notes
9	9-13.3; 9-13.3.24	S-100WG5-04.13	Changes implementing miscellaneous corrections and clarifications.	Approved	Applied	css added to FileFormat.
9	9-13.3; 9-13.3.11	S-100WG4-04.13 S-100TSM7-05.18	Add table for class Fonts.	Approved	Applied	Item No. 19 in reference paper. New clause 9-13.3.11.
9	9-13.3.15	S-100WG6-04.16	displayMode multiplicity should be [0..*]..	Approved.	Applied	Role displayMode multiplicity amended to [0..1]. Is now clause 9-13.3.17.
9	9-13.3.16	S-100WG6-04.10	Allow empty display modes.	Approved.	Applied	Role viewingGroupLayer multiplicity amended to [0..1]. Is now clause 9-13.3.18.
9	9-13.3.18	S-100TSM7-05.07 S-100WG5-04.04	Machine readability of Display Plane ordering.	Approved	Applied	Attribute order added. Is now clause 9-13.3.20.
9	9-13.3.20; 9-13.3.23-27	S-100WG6-04.18	Validation of portrayal input	Approved	Applied	Class contextParameter updated iaw the Paper; new clauses 9-13.3.23 to 9-13.3.27.
9	9-13.3.20	S-100TSM7-05.08	Validation of portrayal inputs (S100_PR_ContextParameter).	Approved. Proposal for S-100WG5.	Applied	Is now clause 9-13.3.22.
9	9-13.4	S-100TSM7-05.02 S-100WG5-04.05	Changes supporting the addition of Alerts and Indications.	Approved.	Applied	New clause 9-13.4 and associated sub-clauses.
9	9-13.5	S-100WG4-04.13	Miscellaneous corrections.	Approved.	Applied	Add caption to Figure 9-22.
9	9-A	S-100WG5-04.10	Remove portrayal schemas and samples provided in appendix 9-A.	Approved	Applied	
9	9-A-2	S-100WG5-04.10	Add attribute clipSymbols.	Approved	Not applied	Overtaken by events. See proposal for 9-A above.

S-100 Part	Clause (S-100 Ed 4.0.0)	S-100 WG Reference	Subject	Decision	S-100 Edition 5.0.0	Notes
9	9-A-3	S-100TSM7-05.04 S-100WG5-04.11	Addressing capability gaps in the S-100 portrayal model.	Approved.	Not applied	Overtaken by events. See proposal for 9-A above.
9	9-A-5	S-100TSM7-05.03A S-100WG5-04.10	displayPlanes container not correctly implemented.	Approved	Not applied	Overtaken by events. See proposal for 9-A above.
9	9-A-5	S-100TSM7-05.02 S-100WG5-04.05	Changes supporting the addition of Alerts and Indications.	Approved	Not applied	Overtaken by events. See proposal for 9-A above.
9	9-A-6; 9-A-7	S-100WG4-04.07	Colour pattern support for SVG symbols.	Approved	Not applied	Overtaken by events. See proposal for 9-A above.
9a		S-100TSM7-05.04	Addressing Capability Gaps in the S-100 Portrayal Model.	Approved. Proposal for S-100WG5.	Applied	
9a	9a-11.1.1; 9a-11.2.1; 9a-11.2.2; 9a-11.2.2.6; 9a-11.2.2.7	S-100TSM7-05.02 S-100WG5-04.05	Changes supporting the addition of Alerts and Indications.	Approved.	Applied	
9a	9a-11.2.1	S-100TSM7-05.03C S-100WG5-04.10	Add clipSymbols to SymbolFill instruction.	Approved	Applied	
9a	9a-11.2.1	S-100WG6-04.8	Add placement to CoverageFill instruction.	Approved	Applied	
9a	9a-11.2.1	S-100WG5-04.10	Add AreaInstruction references to Lua implementations.	Approved	Applied	
9a	9a-11.2.1	S-100WG6-04.11	Correct inconsistency for TextInstruction instruction.	Approved	Applied	Removed parameters textViewingGroup and textPriority from description of TextInstruction.

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9a	9a-11.2.2	S-100TSM7-05.03C S-100WG5-04.10	Remove unused Pen Style command.	Approved	Applied	
9a	9a-11.2.2; 9a-11.2.2.1	S-100TSM7-05.04 S-100WG5-04.11	Addressing capability gaps in the S-100 portrayal model.	Approved.	Applied	Added commands to Tables 9a-6 and 9a-7 and associated instructions.
9a	9a-11.2.2.1	S-100WG6-04.11	Allow multiple viewing groups per drawing instruction.	Approved	Applied	Added new parameters for the ViewingGroup command.
9a	9a-11.2.2.1	S-100WG6-04.12	Clarify portrayal of cross-feature dependencies.	Approved	Applied	Amended Parent command instructions.
9a	9a-11.2.2.2	S-100TSM7-05.03C S-100WG5-04.10	Add endOffset to LinePlacement command.	Approved	Applied	Adds capability of Part 9 TextLine.
9a	9a-11.2.2.2	S-100WG6-04.13	Correction for applicability of LinePlacement command.	Approved	Applied	Removed LineInstruction and LineInstructionUnsuppressed.
9a	9a-11.2.2.3	S-100WG5-04.10	Correct incorrect type for LineSymbol, parameter reference.	Approved	Applied	
9a	9a-11.2.2.4	S-100TSM7-05.03C S-100WG5-04.10	Remove Baseline from TextAlignVertical.	Approved	Applied	
9a	9a-11.2.2.7	S-100TSM7-05.03B S-100WG5-04.10	Describe colour interpolation method.	Approved	Applied	
9a	9a-11.2.2.8	S-100TSM7-05.04 S-100WG5-04.11	Addressing capability gaps in the S-100 portrayal model.	Approved.	Applied	New clause 9a-11.2.2.8.

S-100 Part	Clause (S-100 Ed 4.0.0)	S-100 WG Reference	Subject	Decision	S-100 Edition 5.0.0	Notes
9a	9a-11.2.2.9	S-100TSM7-05.02 S-100WG5-04.05	Changes supporting the addition of Alerts and Indications.	Approved.	Applied	New clause 9a-11.2.2.9.
9a	9a-14.1.3	S-100WG5-04.10	Change contextParameterName to contextParameterId.	Approved	Applied	
10a	10a-3.4	S-100WG4-04.17	Replace sample Table.	Approved	Applied	Table amended to conform with DSID field.
10a	10a-4.1.2; 10a-4.1.3; 10a-4.1.4	S-100WG6-15 S-100WG6-15A	Guidance for encoding unknown attribute values; rules for encoding attribute values.	Approved	Applied	Clause renumbered from 10a-4.2 to 10a-4.1.2 and new clauses 10a-4.1.3 and 10-4.1.4. Former clause 10a-4.3 renumbered to 10a-4.1.5. All subsequent clauses renumbered.
10a	10a-5.4.2; 10a-5.4.3	S-100WG4-04.10	ISO 8211 data structure codes.	Approved	Applied	Updated Data Descriptive Fields.
10a	10a-5.11	S-100WG4-04.13 S-100TSM7-05.18	Change clause numbering.	Approved	Applied	Item No. 22 in reference paper. Amended clause number 10a-5.10.2 and sub-clauses 10a-5.10.2.1 to 10a-5.10.2.6
10a	10a-5.11.4	S-100WG4-04.15	Replace Data Descriptive field value APUI with FAUI to align descriptive field and table.	Approved	Applied	Is now clause 10a-5.10.2.4.
10a	10a-5.11.6	S-100WG4-04.04	Masking.	Approved	Applied	New paragraph added. Is now clause 10a-5.10.2.6.
10b	Entire	S-100WG6-04.03	Part 10b GML Revision.	Approved	Applied	Changes made throughout the document.
10b	10b-8.5.6	S-100WG4-04.04	Masking	Approved	Applied	New clause 10b-8.5.6 – "Masking, truncation and scale ranges".

S-100 Part	Clause (S-100 Ed 4.0.0)	S-100 WG Reference	Subject	Decision	S-100 Edition 5.0.0	Notes
10c	10c-4.1; 10c-9.2.3; 10c-9.3; 10c-9.6; 10c-9.7, 10c-9.10, 10c-9.10.1, 10c-9.11, 10c-10.4	S-100WG6-04.5B	Feature oriented discrete coverage in HDF5.	Approved	Applied	Clauses modified. Tables 10c-4, 10c-5, 10c-9, 10c-10, 10c-11, 10c-12, 10c-15, 10c-17, 10c-23 amended.
10c	10c-8; 10c-9.5; 10c-9.7	S-100WG6-04.04	Attribute chunking.	Approved	Applied	Amendment to Tables 10c-2; 10c-8 and 10c-12. Amended Figure 10c-8 and associated text.
10c	10c-9.1; 10c-9.2.2; 10c-9.3; 10c-9.6; 10c-9.7; 10c-9.10; 10c-9.10.1; 10c-9.11	S-100TSM7-05.17 S-100TSM7-05.18 S-100WG5-04.18	Potential changes to the S-100 HDF5 structure to support S-104 and other time series data.	Approved.	Applied	Various changes in text and Tables. New table 10c-19. Refer to redline document for S-100WG5.
10c	10c-9.3	S-100WG4-04.14 S-100WG5-04.22	Clarify use of attribute dataCodingFormat.	Approved	Applied	
10c	10c-9.4 – Table 10c-6; 10c-9.6 – Table 10c-10; 10c-9.7 – Table 10c-12	S-100TSM7-05.06 S-100WG5-04.14	Inconsistencies and other problems related to the HDF5 encapsulation.	Small group to discuss.	Applied	Amendments applied as per paper S-100WG5-04.14.
10c	10c-9.4; 10c-10	S-100WG5-04.14	Amendments required for CRS attributes.	Approved	Applied	Table 10c-6 and associated notes amended. Title of clause 10c-10 amended. New clauses 10c-10.5-10.8 added.
10c	10c-9.6; 10c-9.6.1	S-100WG4-04.14 S-100WG5-04.21	Add attribute "Offset of data point in cell" to Table 10c-10 and guidance in new clause.	Approved	Applied	New clause 10c-9.6.1 – "Location of data point within a cell".
10c	10c-9.6.2; 10c-9.11.1	S-100WG6-04.5B	Feature oriented discrete coverage in HDF5.	Approved	Applied	New clauses 10c-9.6.2 and 10c-9.11.1 added.
10c	10c-9.7	S-100WG4-04.14 S-100WG5-04.22	Clarify that product specifications may restrict which of domainExtent or boundingBox is used in a data product.	Approved	Applied	Added as new note at end of clause rather than in Tables.

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10c	10c-9.7.2	S-100WG4-04.14 S-100WG5-04.22	Amend Figure 10c-9 to show dataCodingFormat as enumeration.	Approved	Applied	
10c	10c-10.4	S-100WG4-04.14 S-100WG5-04.22	New sub-clause defining literals for dataCodingFormat.	Approved	Applied	New clause 10c-10.4.
10c	10c-17.5; 10c-18.1; 10c-18.2	S-100WG4-04.12 S-100WG5-04.20	HDF5 file families.	Rejected	Not applied	Revised proposal to be submitted. Action S-100WG4-03.
11	11-4 Table 11-2	S-100WG4-06.07 S-100WG5-04.16	S-100 compliancy categories.	Approved	Applied	New row for compliancyCategory added.
11	11-D	S-100WG5-04.09	Link to template does not work.	Approved	Applied	Placeholder to amend when revised App 11-D is posted.
13	13-8.1.1.1	S-100TSM7-05.03D S-100WG5-04.10	Add description of CreateAttributeConstraints function.	Approved	Applied	New clause 13-8.1.1.1.
13	13-8.1.1.5	S-100TSM7-05.03D S-100WG5-04.10	Use spatial associations instead of direct points for CreateCurve function.	Approved	Applied	Is now clause 13-8.1.1.6.
13	13-8.1.1.11; 13-8.1.1.12; 13-8.1.1.13; 13-8.1.1.14	S-100TSM7-05.03D S-100WG5-04.10	Add support for S100_GM_SplineCurve / S100_GM_PolynomialSpline.	Approved	Applied	New clauses 13-8.1.1.11-14.
13	13-8.1.2.2; 13-8.1.2.3; 13-8.1.2.8; 13-8.1.2.9; 13-8.1.2.10	S-100TSM7-05.03D S-100WG5-04.10	Remove alternative (expanded) syntax for Type Information Creation Functions.	Approved	Applied	
13	13-8.1.2.4; 13-8.1.2.5; 13-8.1.2.6; 13-8.1.2.7	S-100TSM7-05.03D S-100WG5-04.10	Use codes instead of type definitions for super types and sub types.	Approved	Applied	

S-100 Part	Clause (S-100 Ed 4.0.0)	S-100 WG Reference	Subject	Decision	S-100 Edition 5.0.0	Notes
13	13-8.1.2.13; 13-8.1.2.14	S-100TSM7-05.03D S-100WG5-04.10	Use role code instead of role type definition.	Approved	Applied	
13	13-8.1.3.4	S-100TSM7-05.03D S-100WG5-04.10	Add documentation for TypeSystemChecks function.	Approved	Applied	New clauses 13-8.1.3.4.
13	13-8.2.2.12; 13-8.2.2.13; 13-8.2.2.14	S-100TSM7-05.03D S-100WG5-04.10	Add missing type definition creation functions.	Approved	Applied	New clauses 13-8.2.2.12-14.
13	13-8.2.4.1	S-100TSM7-05.03D S-100WG5-04.10	Update HostDebuggerEntry documentation.	Approved	Applied	
14	14-8	S-100WG4-04.13 S-100TSM7-05.18	Editorial correction to Figure 14-6.	Approved	Applied	Item No. 24 in reference paper.
14	14-8.1	S-100WG4-04.13 S-100TSM7-05.18	Missing Table for S100_OC_Parameter.	Approved	Applied	Item No. 25 in reference paper. Placeholder inserted at new clause 14-8.1.4. Note that further work is required for the next Edition of S-100.
14	14-8.1.5	S-100WG4-04.13 S-100TSM7-05.18	Add Class description.	Approved	Applied	Item No. 26 in reference paper.
14	14-8.1.6	S-100WG4-04.13 S-100TSM7-05.18	Add Class description.	Approved	Applied	Item No. 27 in reference paper.
14	14-8.2.1	S-100WG4-04.13 S-100TSM7-05.18	Add Role names, descriptions and remarks.	Approved	Applied	Item No. 28 in reference paper.
14	14-8.2.3	S-100WG4-04.13 S-100TSM7-05.18	Amend Class description.	Approved	Applied	Item No. 29 in reference paper.

S-100 Part	Clause (S-100 Ed 4.0.0)	S-100 WG Reference	Subject	Decision	S-100 Edition 5.0.0	Notes
14	14-8.3	Metadata Sub-Group	Move table S100_SV_ServiceIdentification from Part 4a Appendix D.	Approved	Applied	New clause 14-8.3 and sub-clause 14-8.3.1 added. Decision by Metadata Sub-Group.
14	14-A-1	S-100WG4-04.13 S-100TSM7-05.18	Amend figure and caption.	Approved	Applied	Item No. 30 and 31 in reference paper. Caption updated but Figure remains unchanged (example only).
15	Various	S-100TSM7-05.15 S-100WG6-04.22	S-100 Part 15 clarification and improvements.	Approved. Proposals for S-100WG5	Applied	Incorporated in final consolidated Part 15 final draft supplied to IHO Secretariat 23/02/22 (based on draft in paper S-100WG6-04.22).
15	Various	S-100TSM7-05.16 S-100WG6-04.22	S-100/S101 Exchange Catalogue Digital Certificate and Signature exchange.	Approved. Proposal for S-100WG5	Applied	Incorporated in final consolidated Part 15 final draft supplied to IHO Secretariat 23/02/22 (based on draft in paper S-100WG6-04.22).
15	15-7.3.1	S-100WG4-04.13 S-100TSM7-05.18	Amend user permit character length.	Approved	Applied	Item No. 32 in reference paper.
15	15-7.4.1; 15-7.4.4; 15-7.4.5	S-100WG4-04.13 S-100TSM7-05.18	Amend date/time format.	Needs further discussion	Applied	Item No. 33-35 in reference paper.
16	Entire	S-100WG6-04.1	New S-100 Part 16 – *Interoperability Catalogue Model*	Approved (Decision 6/03)	Applied	
16a	Entire	S-101PT6-04.1A	New S-100 Part 16a – *Harmonized Portrayal of S-100 Products*	Approved (Decision 6/03)	Applied	
17	Entire	S-100WG6-04.2	New S-100 Part 16a – *Discovery Metadata for Information Exchange Catalogues*	Approved (Decision 6/04)	Applied	

S-100 Part	Clause (S-100 Ed 4.0.0)	S-100 WG Reference	Subject	Decision	S-100 Edition 5.0.0	Notes
17	Appendix 4A-D	S-100WG4-04.11 S-100WG5-04.09	S-100 Exchange Set model. Complete review.	Approved. Metadata group established to discuss.	Applied	Former Part 4a Appendix D implemented as new Part 17.
17	Appendix 4A-D – Overview 3rd para; Table S-100_ ExchangeCatalogue	S-100WG4-04.02 S-100WG5-04.09	S-1xx Exchange Catalogue file naming – rename to CATALOG.XML	Approved (Metadata group discussion ?)	Applied	To be discussed by small group. Action S-100WG4-01. **NOTE:** S-100WG5 record states that this proposal was rejected.
17	Appendix 4A-D – Overview after Figure 4a-D-4	S-100WG5-04.09	Add example and explanation of multiple product exchange set structure.	Approved	Applied	Decision not to include final paragraph of proposed text and example Figure.
17	4a-D; Table S-100_ ExchangeCatalogue	S-100TSM7-05.12 S-100WG5-04.09	S-1xx Exchange Catalogue file structuring for multiple product distribution.	Approved	Applied	
17	4a-D; Tables S-100_ ExchangeCatalogue; S-100_ DatasetDiscoveryMetadata	S-100TSM7-05.11 S-100WG5-04.7	Attributes incorrectly located within the S-100 metadata schema.	Approved	Applied	
17	4a-D; Tables S-100_ DatasetDiscoveryMetadata; S-100_ SupportFileDiscoveryMetadata; S-100_ CatalogueMetadata	S-100TSM7-05.14D S-100WG5-04.09	Decide whether to use filePath or fileLocation (filePath Name and Remarks).	Approved	Applied	
17	4a-D; Table S-100_ DatasetDiscoveryMetadata	S-100WG5-04.07	Ammend attribute purpose to codelist and add values..	Approved	Applied	
17	4a-D; Tables S-100_ DatasetDiscoveryMetadata; S-100_ SupportFileDiscoveryMetadata; S-100_ CatalogueMetadata	S-100WG5-04.09	Change exchange set root directory name from EXCH_ROOT to S100_ROOT.	Approved	Applied	

S-100 Part	Clause (S-100 Ed 4.0.0)	S-100 WG Reference	Subject	Decision	S-100 Edition 5.0.0	Notes
17	4a-D; Tables S-100_ DatasetDiscoveryMetadata; S-100_CatalogueIdentifier	S-100TSM7-05.14E S-100WG5-04.09	Change attribute date to date time to include date-time variable.	Approved	Applied	
17	4a-D; Table S-100_DatasetDiscoveryMetadata	S-100WG4-04.13 S-100TSM7-05.18	Relationship by reference	Rejected	Not applied	Item No. 1 in reference paper
17	4a-D; Table S-100_DatasetDiscoveryMetadata	S-100WG5-04.09	Multiplicity of metadataPointOfContact	Approved (Metadata group discussion?)	Applied	**NOTE:** S-100WG5 record states that this proposal was rejected.
17	4a-D; Table S-100_DatasetDiscoveryMetadata	S-100WG4-04.13	Clarify defaultLocale and metadataLanguage	??	Not applied	Item No. 5 in reference paper
17	4a-D; Table S-100_DataCoverage	S-100WG4-04.13 S-100TSM7-05.18	Add definition.	Approved	Applied	Item No. 6 in reference paper
17	4a-D; Table S-100_ProductSpecification	S-100WG4-06.07 S-100WG5-04.16	S-100 compliancy categories.	Approved	Applied	New attribute S100_compliancyCategory added. New Table S100_compliancyCategory added.
17	4a-D; Table S-100_ProtectionScheme	S-100WG4-04.13 S-100TSM7-05.14F S-100WG5-04.09	Rename value S63e2.0.0.	Approved	Applied	Item No. 7 in S-100WG4 reference paper.
17	4a-D; Table S-100_SupportFileDiscoveryMetadata	S-100WG4-04.13 S-100TSM7-05.18	Description of attributes purpose, editionNumber and comment.	Approved	Applied	Item No. 8 in reference paper
17	4a-D; Table S-100_SupportFileFormat	S-100WG4-04.13 S-100TSM7-05.18	Add definitions.	Approved	Applied	Item No. 9 in reference paper

S-100 Part	Clause (S-100 Ed 4.0.0)	S-100 WG Reference	Subject	Decision	S-100 Edition 5.0.0	Notes
17	4a-D; Table S-100_CatalogueMetadata	S-100WG5-04.09	Incorrect syntax for fileName.	Approved	Applied	
18	Entire	S-101PT6-04.24	New S-100 Part 18 – *Language Packs*	Approved (Decision 6/39)	Applied	
-	-	S-100WG4-04.05 S-100WG5-04.15	S-100 Validation Checks.	Address by Sub-Group	In progress	Ongoing.
-	-	S-100TSM7-04.07 S-100WG5-05.01	De-scoping and reorganizing S-98.	Approved. New S-100 Part to be developed.	In progress	
-	-	S-100TSM7-04.13 S-100WG5-04.05	S-1xx and cancellation strategies.	Approved. New guidance to be developed.	Not yet done	To be discussed by the Exchange Set Gap Correspondence Group.
-	-	S-100WG5-06.07	Gap analysis for S-100 Exchange set model.	Approved. New S-100 Part to be developed.	In progress	To be discussed by the Exchange Set Gap Correspondence Group.