S-100 Edition 5.1.0 Change Log

Last Updated 26 October 2023

NOTE : X or a red number in the "Clause (S-100 Ed 5.0.0)" column denotes a proposed new clause in S-100 Edition 5.1.0.

S-100 Part	Clause (S-100 Ed 5.0.0)	S-100 WG Reference	Subject	Decision	S-100 Edition 5.1.0	Notes
0	0-2	S-100TSM9-04.2	Revised S-100 Part 8	Approved	Applied	Added new abbreviation TIN.
2b	4.2.1	S-100WG Letter 01/2023	S-100 Edition 5.1.0 final review	Approved	Applied	Updated Figure 2b-1 to remove S-100 Edition numbers.
2b	4.2.1, 4.2.34, 4.2.41	S-100WG7-04.7 S-100TSM9-04.12	Alert catalogue must support graphical highlighting style	Approved	Applied	Updated Figure 2b-2 to add attribute *style* (enumeration). Update Class Table accordingly. Add new Enumeration Table.
3	3.5.3.5	S-100WG7-04.18	S100_GF_SpatialAttributeType	Approved	Applied	Amended "Description" column text for attributes scaleMinimum and scaleMaximum.
3	7	S-100TSM9-04.3	Alignment with Part 8	Approved	Applied	Added "(informative)" to clause title.
3	7.4	S-100WG Letter 01/2023	S-100 Edition 5.1.0 final review	Approved	Applied	Updated Figure 3-6 to reflect S-100 Edition 5.1.0.
8	Entire	S-100TSM9-04.2	Revision of Part 8	Approved	Applied	Entire Part revised.
8	6.3	S-100WG Letter 01/2023	S-100 Edition 5.1.0 final review	Approved	Applied	Updated Figure 8-19 (formerly 8-18) to remove reference to S100_IF_Pointset (renumbered clause 8-5.3).
8	8.1	S-100WG Letter 01/2023	S-100 Edition 5.1.0 final review	Approved	Applied	Updated Figure 8-21 (formerly 8-20) to remove S-100 Edition numbers (renumbered clause 8-7.1).

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9	12.3.1, 12.3.1.3	S-100WG7-04.6 S-100TSM9-04.11	Add visibleParts to LineSymbolPlacement	Approved	Applied	Figure 9-15 updated to include attribute visibleParts. Added attribute visibleParts to table.
9	12.4.1.4	S-100WG7-04.5	Add portrayal for line symbol	Approved	Applied	Amended description for attribute crsType.
9	13.4, 13.4.6, 13.4.14	S-100WG7-04.7 S-100TSM9-04.12	Alert catalogue must support graphical highlighting style	Approved	Applied	Updated Figure 9-21 to add attribute *style* (enumeration). Update Class Table accordingly. Add new Enumeration Table.
9a	11.2.2.2	S-100WG7-04.6 S-100TSM9-04.11	Add visibleParts to LineSymbolPlacement	Approved	Applied	Table 9a-8 and corresponding command description updated to include attribute visibleParts.
9a	11.2.2.3	S-100WG7-04.21	Correct the Part 9a default line join style	Approved	Applied	Amended Table 9a-9 – LineStyle parameter joinStyle, Initial State changed from Bevel to Miter.
9a	11.2.2.3	S-100WG7-04.5	Add portrayal for line symbol	Approved	Applied	Amended description for attribute crsType on class LineSymbol.
10a	4	S-100WG7-04.15	Fix clause numbering	Approved	Applied	New level 1 heading 10a-4 – Structural Implementations – added before former clause 10a-3.1. Note that all subsequent clause numbers have been re-numbered.
10a	4.7	S-100WG7-04.17	Order of records	Approved	Applied	New clause added.
10a	4.8	S-100WG7-04.16	ISO/IEC8211 Summary	Approved	Applied	New clause and associated sub-clauses added.
10a	4.1.1, 4.1.2	S-100TSM9-04.7	ISO8211 description of complex attributes	Approved	Applied	Text amended and new paragraphs added. Applied to amended clause numbers 5.1.1 and 5.1.2.

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10a	4.1.1, 4.1.2	S-100WG7-04.14	Corrections and editorial changes	Approved	Applied	Corrections applied to last 3 tables in clauses. Applied to amended clause numbers 5.1.1 and 5.1.2.
10a	5.1.2	S-100WG7-04.2	Corrections to S-100 Part 10a	Approved	Applied	Figure 10a-3 (Edition 5.0.0 – is Figure 10a-4 in Edition 5.1.0) updated.
10a	5.1.2	S-100WG7-04.2 S-100WG7-04.14	Corrections to S-100 Part 10a	Approved	Applied	Last table in clause: Corrected Remark for A10 to reflect ATIX sub-field value equal to 3.
10a	7	S-100WG7-04.15	Fix clause numbering	Approved	Applied	New level 1 heading 10a-7 – Object Records – added before former clause 10a-5.3. Note that all subsequent clause numbers have been re-numbered, including some heading level changes.
10a	5.7	S-100WG7-04.14	Corrections and editorial changes	Approved	Applied	Corrections 1st paragraph, 5th sentence. Applied to amended clause number 7.2.4.1.
10a	5.10.2.3	S-100WG7-04.18	S100_GF_SpatialAttributeType	Approved	Applied	Amended "Subfield content and specification" column text for subfields Scale Minimum and Scale Maximum. Added Note. Applied to amended clause number 7.3.2.3.
10b	8.4.1	S-100WG7-04.1	Technical Corrections	Approved	Applied	Amended examples under Figure 10b-3 to correct inconsistencies.
10c	5	S-100WG7-04.2	Corrections to S-100 Part 10c	Approved	Applied	Amended title of Figure 10c-1.

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10c	6, 7, 9.4, 9.6, 9.7, 9.8, 10.1-10.3 (deleted), 10.4, 10.5, 10.6, 10.7, 10.8, 19	S-100TSM9-04.2 S-100TSM9-04.3 S-100TSM9-04.5	Alignment of Part 10c with Part 8.	Pending	Applied	Updated various clauses in Part 10c to resolve conflicts, align cross-references and remove unnecessary duplication. NOTE: Ed 5.0.0 clause 10c-10.4 renumbered to 10c-10.1 and subsequent clause and Table numbers amended accordingly.
10c	10.6	S-100WG7-04.13 S-100TSM9-???		Approved	Applied	Table S100_VerticalAndSoundingDatum and associated notes moved from Part 17.
13	8.1.2.13, 8.1.2.14	S-100WG7-04.9	Update to align with FC model	Approved	Applied	Amended scripting functions to support expression of "one to many" relationships.
13	8.2.1.10	S-100WG7-04.8	Add HostInformationGetAssociatedInformationIDs	Approved	Applied	New clause added.
14	8.1.8	S-100TSM9-04.10	No table for S100_OC_ServiceDatamodel with defined class/attributes.	Approved	Applied	New table added.
15	8.7, 8.8	S-100TSM9-04.22	Inconsistencies between XSD Schema and Part 15	Approved	Applied	Amended attribute type S-100_SE_DigitalSignatureValue to 100_SE_DigitalSignature.
15	8.8, 8.11.2	S-100TSM9-04.22	Inconsistencies between XSD Schema and Part 15	Approved	Applied	Amended example at end of clause 4.8.8 and Data Type for attribute signature at clause 8.11.2.
15	8.11	S-100TSM9-04.21	S-100 Part 15 UML diagram with class details	Approved	Applied	Added new Figure 15-8 - UML diagram with the class details for data protection.

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15	8.11.1	S-100TSM9-04.22	Inconsistencies between XSD Schema and Part 15	Approved	Applied	Amended Class S-100_SE_CertificateContainer to 100_SE_CertificateContainerType.
15	8.11.3, 8.11.4	S-100TSM9-04.22	Inconsistencies between XSD Schema and Part 15	Approved	Applied	Deleted clause 15-8.11.3 S-100_SE_DigitalSignature (following clauses 8.11.4 to 8.11.8 renumbered accordingly). Former clause 15-8.11.4 renamed to 100_SE_DigitalSignature.
17	4.1	S-100TSM9-04.15	Exchange Sets containing only external resources	Approved	Applied	Amend first paragraph under Figure 17-2 to include support files.
17	4.2	S-100TSM9-04.20	ISOMetadataFile destination in the Exchange Catalogue	Approved	Applied	Replaced Figure 17-3.
17	4.2	S-100TSM9-04.20	ISOMetadataFile destination in the Exchange Catalogue	Approved	Applied	Amended point 5 after Figure 17-3 and replaced Figure 17-4.
17	4.3	S-100TSM9-04.18	S100_SupportFileDiscoveryMetadata attributes supportedResource and resourcePurpose	Approved	Applied	Amendments applied to text.
17	4.3.1, 4.3.2	S-100WG7-04.3 S-100TSM9-04.17 S-100TSM9-04.23	Management of external resources extended description	Approved	Applied	New clauses added.
17	4.4, 4.4.1	S-100TSM9-04.16	Dataset Cancellations without datafiles	Approved	Applied	Amendment to second last paragraph. New clause 4.4.1 added.

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17	4.4	S-100TSM9-04.22	Inconsistencies between XSD Schema and Part 15 - and missing instructions for when to use S100_SE_DigitalSignature, StandaloneDigitalSignature and S100_SE_SignatureOnData	Approved	Applied	Figure 17-7 replaced (see Action S-100TSM9/32).
17	4.5	S-100TSM9-04.9 (+ editing session at TSM9)	DatasetDiscoveryMetadata attribute notForNavigation	Approved	Applied	New introductory paragraphs added.
17	4.5 (table S100_ExchangeCatalogue)	S-100TSM9-04.22	Inconsistencies between XSD Schema and Part 15 - and missing instructions for when to use S100_SE_DigitalSignature, StandaloneDigitalSignature and S100_SE_SignatureOnData	Approved	Applied	Amended data type for attribute certificates to conform to S-100 Part 15.
17	4.5 (table S100_ExchangeCatalogueIdentifier)	-	Correct inconsistency introduced in S-100 Edition 5.0.0	Approved	Applied	Email correspondence (S-100WG). Corrected Remarks for Class to remove reference to editionNumber (removed in S-100 Edition 5.0.0).

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17	4.5 (table S100_DatasetDiscoveryMetadata)	S-100WG7-04.2 S-100TSM9-04.22	Corrections to S-100 Part 17 Inconsistencies between XSD Schema and Part 15 - and missing instructions for when to use S100_SE_DigitalSignature, StandaloneDigitalSignature and S100_SE_SignatureOnData	Approved	Applied	Amended data type for attributes digitalSignatureReference and digitalSignatureValue to conform to S-100 Part 15.
17	4.5 (table S100_DatasetDiscoveryMetadata)	S-100TSM9-04.8	S100_DatasetDiscoveryMetadata attributes replacedData and dataReplacement	Approved	Applied	Amended entries for attributes replacedData and dataReplacement. Added new Note at end of table.
17	4.5 (table S100_VerticalAndSoundingDatum)	S-100WG7-04.13 S-100TSM9-???		Approved	Applied	Table and associated notes moved to Part 10c, clause 10c-10.6.
17	4.5 (table S100_EncodingFormat)	S-100WG7-04.2	Corrections to S-100 Part 17	Approved	Applied	Added enumerate value Codes.
17	4.5 (table S100_CompliancyCategory)	S-100WG7-04.2	Corrections to S-100 Part 17	Approved	Applied	Added enumerate value Codes.
17	4.5 (table S100_ProtectionScheme)	S-100WG7-04.2	Corrections to S-100 Part 17	Approved	Applied	Added enumerate value Code.
17	4.5 (table S100_SupportFileDiscoveryMetadata)	S-100WG7-04.2 S-100TSM9-04.22	Corrections to S-100 Part 17 Inconsistencies between XSD Schema and Part 15 - and missing instructions for when to use S100_SE_DigitalSignature, StandaloneDigitalSignature and S100_SE_SignatureOnData	Approved	Applied	Amended data type for attributes digitalSignatureReference and digitalSignatureValue to conform to S-100 Part 17.

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17	4.5 (table S100_ SupportFileDiscoveryMetadata)	S-100TSM9-???		Approved	Applied	Remarks for attribute supportedResource updated.
17	4.5 (table S100_ ResourcePurpose)	S-100TSM9-???		Approved	Applied	Removed values dataset, featureCatalogue, portrayalCatalogue, interoperabilitycatalogue, productVersion, productFamily, software, system and exchangeCatalogue from table. Amended Codes of remaining values accordingly
17	4.5 (table S100_ CatalogueDiscoveryMetadata)	S-100WG7-04.2 S-100TSM9-04.22	Corrections to S-100 Part 17 Inconsistencies between XSD Schema and Part 15 - and missing instructions for when to use S100_SE_DigitalSignature, StandaloneDigitalSignature and S100_SE_SignatureOnData	Approved	Applied	Amended data type for attributes digitalSignatureReference and digitalSignatureValue to conform to S-100 Part 15.
Ann ex A		S-100TSM9-04.2	Revised S-100 Part 8	Approved	Applied	Added new term and definition for LIDAR.