

Title: Clarifications to S-100 Edition 5.1.0 Part 8**S-100 Maintenance - Change Proposal Form**

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Change Proposal Type (*Select only one option*)

1. Clarification	2. Correction	3. Extension
X		

Location (*Identify all change proposal locations*)

No.	S-100 Version No.	Part No.	Section No.	Proposal Summary
1	5.1	8	4.3.1	The former Table 8-1 showing ISO metadata elements for imagery, gridded and coverage data has been moved to Appendix 8-D. The language in the paragraph preceding this table has been updated accordingly.
2		8	5.3	Paragraph 2 has been amended to remove language about S100_IF_Collection metadata being optional (only some parts of it are optional). Sentence added clarifying that structural, acquisition, and quality metadata are optional except for elements required to describe the coverage format.
3		8	5.3	Figure 8-19 (Dataset structure...) is amended to move overlapping role names for the association S100_IF_Collection / S100_IF_CollectionMetadata.
4		8	5.3.6 5.3.7 5.3.8	Corrections for clarity and grammar: Associated with a coverage data type is a set of structure metadata that describes the structure of the coverage.
5		8	5.3.6	Sentence appended to clarify where this abstract class is realized: This is an abstract class realized by S-100 Part 10c, where the structural metadata elements which are essential for S-100 coverage types are specified.
6		8	5.3.7	Sentence appended to clarify where this abstract class is realized: This is an abstract class which may be realized by individual Product Specifications.
7		8	5.3.8	Sentence appended to clarify where this abstract class is realized: This is an abstract class partially realized by S-100 Part 10c (as the uncertainty dataset in Table 10c-11) and partially in individual Product Specifications.
8		8	9	Clause heading amended from "Imagery and Gridded Data Metadata" to plain "Metadata" and clause condensed to avoid duplication of diagram content (former Figure 8-28 Relationship to metadata) and the accompanying text is duplicative of Figure 8-19 and the accompanying discussion in clause 8-5.3.
9		8	9	Multiple revisions to remove duplicative language, remove digressions, and introduce a reference to quality metadata.

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10		8	Clause 9 and former clause 13	Sentence added at the end of clause 8-9 mentioning the new location of suggested metadata supporting scanned paper charts. The former clause 8-13 (Metadata for scanned image) has been moved to Appendix 8-D.
11		8	(new) 13	Figure number updated resulting from removal of the former Figure 8-28.
12		8	Appendix 8-A	Table reference in 8-A-2 updated, resulting from move of metadata for scanned image to Appendix 8-D.
13		8	Appendix 8-D	New clause "Typical metadata" (metadata-related content moved from clause 8-4.3.1). New clause heading "Derivation of S-100 metadata and ISO metadata" and table number for the pre-existing table "Relationship between packages of metadata and metadata classes". New clause "Metadata for scanned image" (content moved from the former clause 8-9).
14		10c	various	Table numbers in clause 8 have changed following move of former Table 8-1 to Appendix 8-D. Former Figure 8-29 is now Figure 8-28. References to renumbered clauses, figures and tables in will need to be updated in Part 10c.

Change Proposal

This proposal describes residual clarifications to S-100 Part 8 arising from TWCWG and S-102PT responses to the TSM9 paper describing updates to S-100 Part 8 for S-100 Edition 5.1. The revisions are summarized in the table above. A redline document accompanies this proposal.

This proposal also includes clarifications to language ambiguities unrelated to the paper and a cosmetic update to figure 8-19, all editorial changes.

The accompanying redline is relative to the April 19 2023 draft of Part 8 for Edition 5.1.0, prepared by the IHO Secretariat.

Change Proposal Justification

Paper TSM9-4.2a (Revised S-100 Part 8) requested feedback on three recommendations for clarifications to the new draft of S-100 Part 8 (Imagery and Gridded Data) as distributed at TSM9 (March 2023) and circulated to the TWCWG and S-102 PT. This proposal describes the clarifications which were prepared taking into account responses received to the circulated Part 8 draft and accompanying TSM9 paper).

Paper TSM9-4.2a made three recommendations, summarized below:

- 1) Move metadata discussions from the body of Part 8 to Appendix 8-D.
- 2) Remove clause 8-14 (Metadata for scanned image) and the metadata discussion in clause 8-5.3. Retain Appendix 8-C for potential elaboration and use by Product Specifications
- 3) Ask the relevant project teams about retention of Appendix 8-B (Terminology).

The responses supported Items (1) and (2) and recommended retention of Appendix 8-B (Terminology).

What parts of the S-100 Infrastructure will this proposal affect?

- S-100 Feature Concept Dictionary Interface or Database
- S-100 Portrayal Register
- S-100 Feature Catalogue Builder

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- S-100 Portrayal Catalogue Builder
- S-100 UML Models
- S-100 GitHub Schemas

Please send completed forms and supporting documentation to the secretary S-100WG.