

Title: Exchange Sets, discovery metadata and extensions

S-100 Maintenance - Change Proposal Form

Organisation	S-124CG & NIPWG	Date	3/27/2018
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Change Proposal Type (*Select only one option*)

1. Clarification	2. Correction	3. Extension
		X

Location (*Identify all change proposal locations*)

S-100 Version No.	Part No.	Section No.	Proposal Summary
3.0.0	4a	New normative appendix (e?)	Add rules for metadata extensions
3.0.0	4a	5.5	Add statement that mandatory attributes are nillable
3.0.0	4a	Appendix D, S100_DatasetDiscoveryMetaData	Change all attributes not related to core metadata to optional.

Change Proposal

<ul style="list-style-type: none">- Add proposed new appendix as Appendix E, to give rules for how to extend S-100 metadata.- Add statement in at end of paragraph 5.5 which states; "Mandatory attributes are nillable".- In S100_DatasetDiscoveryMetaData change multiplicity to optional for 'purpose', 'specificUsage', 'editionNumber', 'verticalDatum', 'soundingDatum' and 'dataCoverage'.

Change Proposal Justification

<ul style="list-style-type: none">- There is a need for clear rules for how to extend S-100 metadata.- It is envisioned that it may not always be possible to give a meaningful value in all mandatory metadata attributes. Therefore nillable should be a permissible function, as is the case in ISO 19115.- The mandatory S-100 originated attributes are not always meaningful in all types of applications. Therefore these should be optional, and product specifications can further extend this to make specific attributes mandatory at the product specification level.

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

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