

**Title: Alignment with Part 8 - Supplement****S-100 Maintenance - Change Proposal Form**

<b>Organisation</b>	Portolan Sciences LLC	<b>Date</b>	27-Feb-2023
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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	5.0.0	10c	9.4	Change multiplicity of attribute "metadata" from "1" to "0..1" in Table 10c-6 "Embedded metadata (carrier metadata) in root group" to align with "Table 8-2 — S100_IF_Collection" in the revised Part 8.  (The attribute is being retained for backward compatibility.) Note for IHO Secretariat: This change has not been applied in the Part 10c redline submitted earlier.

**Change Proposal**

The multiplicity of this attribute in S-100 Part 10c to align with proposed updates to Part 8 (Imagery and Gridded Data).  
The attribute is being retained in Table 10c-6 for backward compatibility with Edition 5.0.0 (so current implementations and Product Specifications do not have to be updated to remove it).

**Change Proposal Justification**

This attribute is supposed to be a reference to an external metadata file. Drafts in preparation of HDF5-based Product Specifications do not use external metadata files, but have to include this attribute because it is mandatory in S-100 Table 10c-6 (which, in turn, is because it was mandatory in Part 8 in previous editions of S-100). The multiplicity in the revised S-100 Part 8 (Imagery and Gridded Data), is now 0..1 and Part 10c should be updated to align with the proposed Part 8.

**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
- S-100 GitHub Schemas

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