

S-100 Maintenance - Change Proposal Form

TSMAD27-4.3.6A

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Change Proposal Type *Select only one option*

1. Clarification	2. Correction	3. Extension
		Y

Location *Identify all change proposal locations*

Note: (new) means numbering as in the accompanying redline document.

S-100 Version No.	Part No.	Section No.	Proposal Summary
1.0.0	1	4.5.2	Add primitive type for truncated date-time.
	1	4.5.3.9 (new)	Add complex type for indeterminate date-time; renumber later figures
	2a	4.2.1, 4.2.9	Add S100_TruncatedDateTime to the lists of attribute types in the figure (4.2.1) and table (4.2.9)
	3	3	Add references for ISO 8601 and ISO 19108
	3	6.4.4	Update text with references to the new temporal model
	3	8 (new)	New clause describing the temporal model

Change Proposal

1-4.5.2 Primitive Types

TruncatedDateTime	<p>A TruncatedDateTime allows a partial TM Position to be given. At least one of the following components must be present with omitted elements replaced by the appropriate number of hyphens.</p> <p>year – integer between 0000 - 9999</p> <p>month – integer between 01-12</p> <p>day – integer between 01 and 28, 29, 30, or 31 depending on year and month values</p> <p>time – Time type (see above)</p>
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(new) 1-4.5.3.9 S100_IndeterminateDateTime

An indeterminate instant related by a specified temporal relation to a date and time specified in truncated date-time format. The temporal relations allowed are 'before' and 'after' and indicate respectively that the instant is before or after the time instant specified by the date-time component.



Figure 1-6 – S100_IndeterminateDateTime

2a-4.2.1 and 2a-4.2.9

Add S100_TruncatedDateTime to the attribute types in the figure in 2a-4.2.1 and the table in 2a-4.2.9

3-3: Add references for ISO 19108 and 8601.

3-6.4.4 Temporal Rules

S-100 uses a profile of ISO 19108 described in clause 3-8. Temporal attributes shall be modelled using the types Date, Time or DateTime, S100_TruncatedDateTime, or complex attributes using combinations of these temporal types or the complex type S100_IndeterminateDateTime. Use of these types makes the attribute an instance of S100_GF_SimpleAttributeType or S100_GF_ComplexAttributeType, as appropriate.

(New) 3-8 Temporal Information

(See Annex A to the accompanying TSMAD paper.)

Change Proposal Justification

Please provide a suitable explanation for the change and where applicable supporting documentation.

S-100 currently does not support truncated date time types. The proposed temporal model will allow S-100 to support these types and S-10x products use these as required within their data models.

An accompanying TSMAD 27 paper contains details on the proposal.