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<b>Change Request #:</b>	16
<b>Assigned OGC Document #:</b>	09-151
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<b>Document Name/Version:</b>	*Observations and Measurements - Part 1 - Observation schema / 1.0
<b>OGC Project Document:</b>	*07-022r1

If this is a revision of a previous submission and you have a Change Request Number, then check here:

Enter the CR number here:

Enter the Revision Number that you are revising here:

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<b>Title:</b>	*Add association class "Context" to OM_Observation
<b>Source:</b>	*The Scientific Observations Network (SONET)
<b>Work item code:</b>	
<b>Category:</b>	* B (Addition of feature)

<b>Reason for change:</b>	* technical In many applications, e.g., in the life and ecological sciences, observations occur in a "complex" environment in which certain observations and their results provide useful (and sometimes required) information for interpreting other observations. These dependencies are stronger than mere spatio-temporal coincidences, requiring explicit representation. Some examples include the conditions associated with experimental replicates (e.g., experimental plots and treatments used), biotic factors (e.g., ecological community), interactions among features (e.g., predator-prey), or other temporary relationships occurring at the time of observation that are not inherent to the observed features themselves (i.e., they change over time).
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<b>Summary of change:</b>	* Add association class with the following characteristics: - Name of association class: Context - Attribute of class: explanation:CharacterString - Source: OM_Observation - Target: OM_Observation
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- Direction: Bidirectional
- Source Role: dependencyOf
- Source role multiplicity: 0..\*
- Target Role: dependency
- Target role multiplicity: 0..\*

1.1 Context

1.1.1 General

Observations are frequently made in the context of prior observations, with a strong dependency on the context provided by earlier observations. If present, the association class Context shall link the OM\_Observation explicitly to any observation that is a dependency for the current observation. It shall have one attribute. The target has the role dependency with respect to the current observation.

The associations dependency and dependencyOf are transitive. If observation A is context for observation B and B is context for observation C, then A is also context for observation C.

**Consequences if not approved:** ?

Not able to link contextual observations very important in environmental sciences

**Clauses affected:** ?

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6.3

**Additional Documents affected:** ?

**Supporting Documentation:** ?

**Comments:** ?

**Status:** ?

Assigned

**Disposition:** ?

Accepted