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Change Request #:	32
Assigned OGC Document #:	09-180
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Document Name/Version:	*Observations and Measurements - Part 1 - Observation schema / 1.0
OGC Project Document:	*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: [   ]
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Title: ⊙	*Add separate property for sampling domain
Source: ⊙	*Alexandre Robin, Mike Botts
Work item code: ⊙	
Category: ⊙	* C (Functional modification of feature)

Reason for change: ⊙	* The current model allows for the feature of interest to be either a domain feature or a sampling feature. This confuses the model and makes it especially difficult for filtering mechanisms to anticipate what kind of properties the feature of interest has. It is also not completely logical that the domain feature is nested inside the sampling feature when this last one is used.
Summary of change: ⊙	* Add the "samplingFeature" or "samplingDomain" property to the Observation class. This property should take only a class derived from "SamplingFeature". Document the "featureOfInterest" property as being an association to the domain feature exclusively. Consider if the sampling feature couldn't be just a sampling geometry (i.e. taking GML geometry instead of SamplingFeature).

Consequences if not approved: 🌐	The model will remain confusing since it is difficult for implementers to understand what the feature of interest really is. In some cases it is a sampling feature, which eventually references the domain feature, in some cases it is the domain feature directly. Having two separate properties will clarify the distinction between these two types of feature and will make related standards such as SOS easier to implement.

Clauses affected: 🌐	* 6.3 and 6.4

Additional Documents affected: 🌐	Sensor Observation Service v2.0

Supporting Documentation: 🌐	

Comments: 🌐	

Status: 🌐	Assigned

Disposition: 🌐	Reffered