

Superclass

AssertedRelationship

Semantics

The core structure of an argument is declared through the inferences that are asserted to exist between Assertions (e.g., Claims). For example, an AssertedInference can be said to exist between two claims (“Claim A implies Claim B”). An AssertedInference between two claims (A – the source – and B – the target) denotes that the truth of Claim A is said to infer the truth of Claim B.

11.15 AssertedEvidence

AssertedEvidence association records the declaration that one or more artifacts of Evidence (cited by ArtifactReference) provide information that helps establish the truth of a Claim. It is important to note that such a declaration is itself an assertion on behalf of the user. The artifact (cited by an ArtifactReference) may provide evidence for more than one Claim.

Superclass

AssertedRelationship

Semantics

Where evidence (cited by ArtifactReference) exists that helps to establish the truth of a Claim in the argument, this relationship between the Claim and the evidence can be asserted by an AssertedEvidence association. An AssertedEvidence association between an artifact cited by an ArtifactReference and a Claim (A – the source evidence cited – and B – the target claim) denotes that the evidence cited by A is said to help establish the truth of Claim B.

Constraints

The source of AssertedEvidence relationships must be ArtifactReference.

OCL:

```
self.source->forall(s|s.oclIsTypeOf(ArtifactReference))
```

11.16 AssertedContext

AssertedContext can be used to declare that the artifact cited by an ArtifactReference(s) provides the context for the interpretation and scoping of a ~~Claim or ArgumentReasoning element~~. In addition, the AssertedContext can be used to declare a Claim asserted as necessary context (i.e. a precondition) for another Assertion ~~or ArgumentReasoning~~.

Superclass

AssertedRelationship

Semantics

Contextual information often needs to be cited in order to make clear the interpretation and scope of a ~~Claim or ArgumentReasoning description~~. For example, a Claim can be said to be valid only in a defined context (“Claim A is asserted to be true only in a context as defined by ~~the information cited by Artifact B~~” or conversely “~~InformationItem B is the asserted context for Claim A~~”).

Contextual Claims often need to be cited as preconditions for an Assertion. For example, a Claim may be asserted only in the context of another claim (“Claim A is asserted to be true only in a context where Claim B is true”).

11.17 AssertedArtifactSupport

AssertedArtifactSupport records the assertion that one or more artifacts support another artifact.

an Assertion (e.g., Claim, AssertedInference, or AssertedEvidence) and supporting argumentation.

an Assertion and supporting argumentation.

ArtifactReference B

ArtifactReference