



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.ocllsTypeOf(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 an Assertion and supporting argumentation. 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 ArtifactReference B or conversely ArtifactReference 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.~~

### ~~Superclass~~

~~AssertedRelationship~~

### ~~Semantics~~

~~The truth of the assertions associated with an artifact are supported by the assertions that are associated with one or more other artifacts. Note: this can be an ambiguous relationship if the nature of these Assertions is unclear. In such cases, it would be clearer to declare explicit AssertedInferences between Claims drawn out from the ArtifactReference.~~

### ~~Constraints~~

~~The source and target of AssertedArtifactSupport must be of type ArtifactReference.~~

## ~~11.18 AssertedArtifactContext~~

~~AssertedArtifactContext records the assertion that one or more artifacts provide context for another artifact.~~

## **Superclass**

AssertedRelationship

## **Semantics**

One or more other artifacts provide the necessary context in which the assertions associated with another artifact should be understood. Note: this can be an ambiguous relationship if the nature of these Assertions is unclear. In such cases, it would be clearer to declare explicit AssertedContext between Claims drawn out from the ArtifactReference.

## **Constraints**

The source and target of AssertedArtifactContext must be of type ArtifactReference.