

AssertedRelationship

Semantics

Where evidence (cited by ArtifactElementCitation) 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 ArtifactElementCitation 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 ArtifactElementCitation.

The target of AssertedEvidence relationships must be Assertions, or ArgumentElementCitations that cite an Assertion.

11.16 AssertedContext Class

The AssertedContext association class can be used to declare that the artifact cited by an ArtifactElementCitation(s) provides the context for the interpretation and scoping of a Claim or ArgumentReasoning element. In addition, the AssertedContext association class 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”). A declaration (AssertedContext) of context (ArtifactElementCitation B) for a ReasoningElement A records that B is asserted to be contextual information required for the interpretation and scoping of A (i.e., B defines the context where the reasoning presented by A is asserted as true).

Contextual Claims often need to be cited as preconditions for a Claim or ArgumentReasoning. 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”). Similarly, a description of ArgumentReasoning A may only be considered true in a context where Claim B is true”.

Constraints

The source of AssertedContext relationships must be ArtifactElementCitations or Claims.

The target of AssertedContext relationships must be Assertions, ArgumentElementCitations that cite an Assertion, “ArgumentReasoning” elements or ArgumentElementCitations that cite ArgumentReasoning elements.

11.17 AssertedArtifactSupport

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

Superclass

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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