

interface: AssuranceCasePackageInterface [0..*] – a number of optional assurance case package interfaces that the current package may implement

artifactPackage: ArtifactPackage [0..*] (composition) – a number of optional artifact sub-packages

terminologyPackage: TerminologyPackage [0..*] (composition) – a number of optional terminology sub-packages

argumentPackage: Argument::ArgumentPackage[0..*] (composition) – a number of optional argument packages.

Semantics

AssuranceCasePackage is the root class for creating structured assurance cases.

9.3 AssuranceCasePackageInterface

AssuranceCasePackageInterface is a kind of AssuranceCasePackage that defines an interface that may be exchanged between users. An AssuranceCasePackage may declare one or more ArtifactPackageInterfaces.

Superclass

AssuranceCasePackage

Associations

implements: AssuranceCasePackage[1] – the AssuranceCasePackage that the AssuranceCasePackageInterface declares.

Semantics

AssuranceCasePackageInterface enables the declaration of the elements of an AssuranceCasePackage that might be referred to (cited) in another AssuranceCasePackage. These declarations are provided by containing AssuranceCasePackageInterface(s)/ArgumentPackageInterface(s)/ArtifactPackageInterface(s)/TerminologyPackageInterface(s) to the packages contained by the AssuranceCasePackage (for which the interface provided).

Constraints

AssuranceCasePackageInterface are only allowed to contain the following: AssuranceCasePackageInterface, ArgumentPackageInterfaces, ArtifactPackageInterfaces, and TerminologyPackages.

OCL:

```
self.assuranceCasePackage->forall(acp|acp.ocllsTypeOf(AssuranceCasePackageInterface)) and  
self.argumentPackage->forall(ap|ap.ocllsTypeOf(Argumentation::ArgumentPackageInterface)) and  
self.artifactPackage->forall(ap|ap.ocllsTypeOf(Artifact::ArtifactPackageInterface)) and  
self.terminologyPackage->forall(tp|tp.ocllsTypeOf(Terminology::TerminologyPackageInterface))
```

9.4 AssuranceCasePackageBinding any

Sub-packages within the AssuranceCasePackage can be bound together by means of AssuranceCasePackageBindings. AssuranceCasePackageBindings bind the participant packages by means of ArgumentPackageBindings/TerminologyPackageBindings/ArtifactPackageBindings elements that bind the contained packages of the participant packages.

Superclass

AssuranceCasePackage

Associations

participantPackage: AssuranceCasePackage[2..*] – references to AssuranceCasePackages which the AssuranceCasePackageBinding binds together.