15.3.5 SACMDiagramElement

SACMDiagramElements are the visible DiagramElements within a SACMDiagram.

Supertype

DiagramElement

Attributes

representation : MultiLangString [0..1] - representation (e.g. SVG) of the DiagramElement within the SACMDiagram. Language of representation should be specified in the MultiLangString.

Associations

element : SACMElement [0..*] {redefines modelElement} - SACMElements that this SACMDiagramElement represents in the SACMDiagram.

15.3.6 SACMDiagram Types

Four separate specific diagrams are defined that allows a general SACM diagram (StructuredAssuranceCaseDiagram) as well as three specific domain diagrams (StructuredAssuranceTerminologyDiagram, StructuredAssuranceArtifactDiagram, StructuredAssuranceArgumentDiagram). Each of these diagrams can have BaseElements on them, as well as specific concepts from each of the three domains in their respective diagrams.

Figure 15.3.4 – SACMDiagramTypes

15.3.7 StructuredAssuranceCaseDiagram

StructuredAssuranceCaseDiagram allows any SACMElement to be represented on them.

Supertype

SACMDiagram

Attributes

abbreviation : String [1] = SAC {readOnly, redefines abbreviation}

AssociationEnds

/element : SACMElement [0..*] {redefines element} - Any SACMElement can be represented by SACMDiagramElements on a StructuredAssuranceCaseDiagram

15.3.8 StructuredAssuranceTerminologyDiagram

StructuredAssuranceTerminologyDiagram allows any BaseElement or TerminologyConcept to be represented on them.

Supertype

SACMDiagram , **Terminology::TerminologyAsset**

Attributes

abbreviation : String [1] = SAT {readOnly, redefines abbreviation}

AssociationEnds

/terminologyConcept : TerminologyConcept [0..*] {subsets element} - only TerminologyConcepts (along with BaseElements) should be represented by SACMDiagramElements on a StructuredAssuranceTerminologyDiagram

15.3.9 StructuredAssuranceArtifactDiagram

StructuredAssuranceArtifactDiagram allows any BaseElement or ArtifactConcept to be represented on them.

Supertype

SACMDiagram , **Artifact::ArtifactAsset**

Attributes

abbreviation : String [1] = SAA {readOnly, redefines abbreviation}

AssociationEnds

/artifactConcept : ArtifactConcept [0..*] {subsets element} - only ArtifactConcepts (along with BaseElements) should be represented by SACMDiagramElements on a StructuredAssuranceArtifactDiagram

ownedArtifactAsset : ArtifactAsset [0] {redefines ownedArtifactAsset} - no ArtifactAssets can be owned by this diagram

15.3.10 StructuredAssuranceArgumentDiagram

StructuredAssuranceArgumentDiagram allows any BaseElement or ArgumentConcept to be represented on them.

Supertype

SACMDiagram , **Argument::ArgumentAsset**

Attributes

abbreviation : String [1] = SAG {readOnly, redefines abbreviation}

AssociationEnds

/argumentConcept : ArgumentConcept [0..*] {subsets element} - only ArgumentConcepts (along with BaseElements) should be represented by SACMDiagramElements on a StructuredAssuranceArgumentDiagram

ownedArgumentAsset : ArgumentAsset [0] {redefines ownedArgumentAsset} - no ArgumentAssets can be owned by this diagram

15.3.11 AssuranceCasePackage [Additions to 11.2]

AssociationEnds

diagram: SACMDiagram [0..*] {subsets element} - any SACMDiagram can be contained within an AssuranceCasePackage

15.3.12 BindingPackage [Additions to 10.3]

AssociationEnds

diagram: SACMDiagram [0..*] {subsets element} - any SACMDiagram can be contained within a BindingPackage

15.3.13 TerminologyElement [Additions to 12.2]

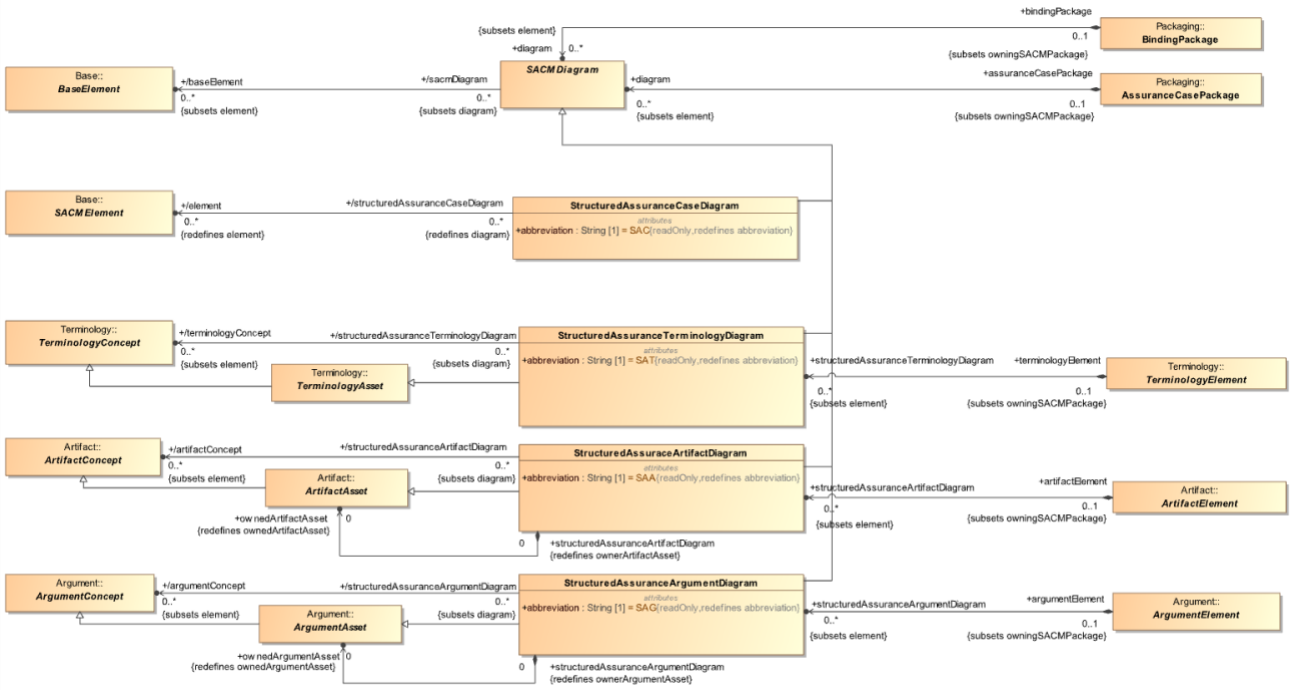

Figure 15.3.4 – SACMDiagramTypes