2   Conformance

2.1   Introduction

The Structured Assurance Case Metamodel (SACM) specification defines the following ~~three~~ **four** compliance points:

- Argumentation
- Artefact Model
- Assurance Case

2.2   Argumentation compliance point

Software that conforms to the SACM specification at the Argumentation compliance point shall be able to import and export XMI documents that conform with the SACM XML Schema produced by applying XMI rules to the normative MOF metamodel defined in the Argumentation subpackage of the SACM specification, including the common elements defined in the Common and Predefined diagrams of the SACM. The top object of the Argumentation package as a unit of interchange shall be the Argumentation::ArgumentPackage element of the SACM.

Conformance to the Argumentation compliance point does not entail support for the Evidence subpackage of SACM, or the terminology sub package of the SACM. The 'ArtefactElementCitation' class shall not be used.

This compliance point facilitates interchange of the structured argumentation documents produced by existing tools supporting existing structured argument notations such as the Goal Structuring Notation (GSN) and the Claims-Arguments-Evidence (CAE) notation which provide their own mapping onto SACM argumentation aspects. Further details of these mappings are given in Annex A.

2.3   Artefact model compliance point

Software that conforms to the specification at the Artefact Model compliance point shall be able to import and export XMI documents that conform with the SACM XML Schema produced by applying XMI rules to the normative MOF metamodel defined in this Artefact subpackage of the SACM specification, including the common elements defined in the Common and Predefined diagrams of the SACM. The top object of the Evidence package as a unit of interchange shall be the ArtefactModel::ArtefactPackage element of the SACM.

Conformance to the Artefact model compliance point does not entail support for the Argumentation subpackage of SACM, or the terminology diagram of the SACM. This compliance point facilitates interchange of the packages of evidence. In particular, this compliance point facilitates development of evidence repositories in support of software assurance and regulatory compliance.

The Conformance clause identifies with clauses of the specification are mandatory (or conditionally mandatory) and which are optional in order for an implementation to claim conformance to the specification.

2.4   Assurance Case compliance point

Software that conforms to the specification at the Assurance Case compliance point shall be able to import and export XMI documents that conform with the SACM XML Schema produced by applying XMI rules to the normative MOF metamodel defined in this entire specification. The top object of the Assurance Case package as a unit of interchange shall be the SACM::AssuranceCasePackage element.

The Conformance clause identifies which clauses of the specification are mandatory (or conditionally mandatory) and which are optional in order for an implementation to claim conformance to the specification.

2.5 Terminology Model compliance point

Software that conforms to the specification at the Terminology Model compliance point shall be able to import and export XMI documents that conform with the SACM XML Schema produced by applying XMI rules to the normative MOF metamodel defined in this entire specification. The top object of the Terminology package as a unit of interchange shall be the SACM::TerminologyPackage element.