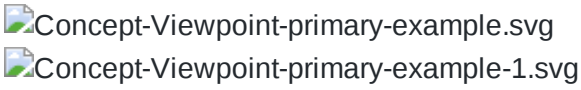
SAF User Documentation : D2_COTD Concept Viewpoint

Domain	Aspect	Maturity
SAF Development	Taxonomy & Structure	under construction

Example



Purpose

The Concept Viewpoint defines the SE concepts and their relationships supported by SAF. It shall specifiy

- the concepts with comprehensive documentation
- the relationships of concepts with comprehensive documentation and allowable multiplicities
- constraints among relations and concepts if applicable.

Applicability

The Viewpoint supports the definition of "Architecture description (AD) elements", and the definition of "AD element correspondence" and "Specification of an architecture description framework" as defined in ISO41010:2022

Presentation

A Block Definition Diagram (BDD) featuring elements of SCM_Concept representing SE concepts to be supported by SAF. SCM_Concept can be classes of items and relations between items. It is also possible to create relations to relations (SCM_Concepts can be Classes, Associations and Association Classes). For relational concepts, it is reqired to display the direction, and to define the multiplicities. See SAF Development Guide for details on concept modeling conventions

A table featuring SCM_Concepts and their descriptions. In case of relational concepts the related concepts are shown also.

Stakeholder

- SAF Developer
- SAF MBSE approch planer

Concern

- Which systems engineering concepts are covered by the framework?
- what are the constraints related to se concepts covered by the framework?
- what are the relations between systems engineering concepts covered by the framework?

Profile Model Reference

The following Stereotypes / Model Elements are used in the Viewpoint:

- SCM_Concept
- SCM_D2_COTD
- SCM_D2_COTD_Table

Input from other Viewpoints

Required Viewpoints

none

Recommended Viewpoints

- Stakeholder Viewpoint
- Concern Viewpoint