SAF User Documentation : D2_VPTD Viewpoint Definition Viewpoint

Domain	Aspect	Maturity
SAF Development	Taxonomy & Structure	⚠️ proposed

Example

Viewpoint-Definition-Viewpoint-primary-example.svg

Purpose

The Viewpoint Definition Viewpoint serves as a specification for any SAF viewpoints in the context of the development of SAF. The Viewpoint shall specify

- an example of a conforming view
- purpose
- applicability
- exposed concepts,
- presentation forms for the conforming views
- related viewpoints
- stereotypes used in the conforming views

Applicability

The Viewpoint supports the "Specification of an architecture description framework" as defined in ISO41010:2022

Presentation

A View and Viewpoints Diagram featuring one *SCM Viewpoint* Element, one *SCM_View* element, a *conform* relationship among them. Additionally all *SCM_Concept* elements that are of interest in the viewpoint. Additionally *expose* relationships for all concepts that help satisfy the viewpoints concerns. Note, that the consequence of exposing a concept is, that the implementation of the concept must appear in the diagram/table/matrix that implements the viewpoint.

Stakeholder

- SAF Developer
- SAF MBSE approch planer
- SAF System model user

Concern

- How does a viewpoint of the framework the processes and best practises of the INCOSE SE Handbook?
- What is the definition of a viewpoint of the framework?
- What is the purpose of a viewpoint in the framwork?
- Where is a viewpoint of the framework located in the frameworks grid?
- Which concerns are framed by a viewpoint of the framework?
- Which dependencies to other viewpoints exist for a viewpoint of the framework?
- Which presentations are available for a viewpoint in the framwork?
- Which systems engineering concepts are exposed within a viewpoint of the framework?

Profile Model Reference

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

Input from other Viewpoints

Required Viewpoints

- Concept Viewpoint
- Concern Viewpoint

Recommended Viewpoints

- Stakeholder Viewpoint