

SAF User Documentation : Common Terms and Abbreviations

Domain	Aspect	Maturity
Common	Taxonomy & Structure	 proposed

Example

Found 8 elements	
Abbreviation ▼↓	Description ▼
 SPV	SAF Physical Viewpoint
 SOV	SAF Operational Viewpoint
 SLV	SAF Logical Viewpoint
 SFV	SAF Functional Viewpoint
 SCV	SAF Common Viewpoint
 SAF	System Architecture Framework
 INCOSE	International Council On Systems Engineering
 GfSE	Gesellschaft für Systems Engineering (German Chapter of INCOSE)

GlossaryTable X	
Found 9 elements	
Term	Description
Architecture	The system architecture presents "fundamental concepts or properties of a system in its environment embodied in its elements, relationships, and in the principles of its design and evolution" (ISO/IEC/IEEE 42010). For a system there may be one or more candidate architectures, while only
ArchitectureDescription	The architecture description is a work product that expresses one possible architecture of a system of interest. In the SAF the architecture description takes the form of one or more SysML system models. Documents may be generated from the models, each addressing the interests of a specific audience answering one or more concerns of system stakeholders. The architecture description includes one or more architecture views which are governed by the architecture viewpoints.
ArchitectureObjectives	An Architecture Objective is any interest or requirement regarding the generation of the architecture description or the presentation of its contents. Architecture objectives are provided by the architecture stakeholders. Architecture Objectives may be derived from applicable processes and
ArchitectureStakeholder	Architecture Stakeholders are individuals, groups or organizations taking interest in aspects of the architecture description i.e. regarding the information the system architecture description should expose from their perspective with respect to the system of interest. The group of Architecture Stakeholders does not only include external entities but also internal entities like program and project management,
ArchitectureView	An architecture view in an architecture description expresses the architecture of the system of interest to address a set of specific concerns of the stakeholders. It complies with the conventions established by the associated viewpoint. An architecture view consists of one or more architecture models.
ArchitectureViewpoint	An architecture viewpoint is a set of conventions for constructing, interpreting, using and analyzing one type of architecture view. A viewpoint includes model kinds, diagram notations, modelling methods and analytic techniques to frame a specific set of concerns. Examples of viewpoints: operational flow, functional decomposition, logical interrelation, physical

Purpose

The viewpoint collects all the terms and abbreviations that are defined for the model.

Applicability

The viepoint is used to collect and present terms and abbreviations that are used throughout the model, providing a description for each presenting the common understanding of a term or an abbreviation.

Stakeholder

- [Acquirer](#)
- [Customer](#)
- [Hardware Developer](#)
- [IV&V Engineer](#)
- [Maintainer](#)
- [Mechanic Developer](#)
- [Operator](#)
- [Regulation Authority](#)
- [Safety Expert](#)
- [Security Expert](#)

- [Software Developer](#)
- [Supplier](#)
- [System Architect](#)
- [Common Concerns](#)
- [User](#)

Concern

- What is the common understanding of terms and abbreviations as used throughout the model?

Presentation

A common package “02_DictionaryOfTerms” contains the terms and abbreviations. Both are derived from a comment. Table views are used for presenting an overview.

Profile Model Reference

- [SAF_Term](#)
- [SAF_Abbreviation](#)

Input from other Viewpoints

Required Viewpoints

none

Recommended Viewpoints

none