

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