


SAF User Documentation : C2_GRID Grid Definition Viewpoint

Domain	Aspect	Maturity
Common	Taxonomy & Structure	 under construction

Example

	CONTEXT & EXCHANGE	TAXONOMY & STRUCTURE	PROCESS & BEHAVIOR	INTERACTION & COLLABORATION	INTERFACE	REQUIREMENT	SAFETY & SECURITY	TRACEABILITY & MAPPING
COMMON DOMAIN SCV		Common Structure FFDS Safety Assurance Definition SAF FFDS View Grid Rendering Framework FFDS Strategy Table						
OPERATIONAL DOMAIN SOV	Operational Context & Exchange Operational Overlaid Story FFDS Context Definition FFDS Context Exchange	Operational Structure Operational Structure Item Definition Operational Pathway Definition SAF and FFDS EDR Capability Definition Mission Identification Exchange	Operational Process Mission and Sensor Process Fire Detection and Identification Process	Operational Interaction FFDS Context Interaction	Operational Interface Definition FFDS Context Interface Definition	Stakeholder Requirement Stakeholder Requirement Table System Requirement Definition System Requirement Definition		Traceability & Mapping SAF and FFDS Capability Mapping Table SAF and FFDS Operational Process Mapping Table SAF and FFDS Operational Process Mapping Table
FUNCTIONAL DOMAIN SFV	System Context & Exchange FFDS User Task, a.k.a. LSA-FFDS System FFDS Context Definition FFDS Context Exchange	System Structure FFDS System Structure Item Definition FFDS Capability Definition FFDS Functional Structure Definition FFDS Functional Structure Definition	System Process Fire Detection and Identification Operational Process Table FFDS Context Interaction	System Interaction FFDS Context Interaction	System Interface Definition FFDS Context Interface Definition	System Requirement System Requirement Table System Requirement Definition System Requirement Definition	System Hazard System Hazard Table	Traceability & Mapping FFDS Operational Process Mapping Table System Requirement Mapping Table
LOGICAL DOMAIN SLV	Logical Context & Exchange	Logical Structure FFDS Logical Architecture Definition	Logical Behavior FFDS Logical Interaction	Logical Interaction & Internal Exchange FFDS Logical Interaction FFDS Logical Internal Exchange	Logical Interface Definition			Mapping Mapping of FFDS to Logical Structure Mapping of FFDS to Logical Structure
PHYSICAL DOMAIN SPV	Physical Context & Exchange FFDS Physical System Context FFDS Physical System Context	Physical Structure FFDS Physical Structure Item Definition FFDS Physical Structure Item Definition	Physical Behavior FFDS Physical Interaction	Physical Interaction & Internal Exchange FFDS Physical Interaction FFDS Physical Internal Exchange	Physical Interface Definition FFDS Physical Interface Definition			Mapping Physical Logical Mapping Physical Logical Mapping
#	Domain	Aspect	Name		Viewpoint ID	Diagrams		

Purpose

The Grid Definition Viewpoint serves as overview about the of the Views present in a System Model.

Applicability

The Grid Definition Viewpoint supports the "System Viewpoints, Views and Models" input/output of various Technical Processes in INCOSE SYSTEMS ENGINEERING HANDBOOK 2023.

Presentation

A content diagram featuring a matrix view for the SAF Viewpoint conceptual model: Rows represent Domains, and columns represent Aspects, and the cells manage the Views.

A table featuring the saf viewpoints, the views (diagrams, tables, ..) of the system model conforming to those viewpoints, domain and aspect information

Stakeholder

- [SAF System model user](#)

Concern

- [Which viewpoints are used in the system model](#)
- [Which views of the frameworks viewpoints are present in the system model?](#)

Profile Model Reference

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

- Attribute "diagrams" of SAF_Viewpoint referencing SAF_Diagram
- [SAF_C2_GRID](#)
- [SAF_C2_GRID_Table](#)
- [SAF_Diagram](#)
- [SAF_Viewpoint](#)

Input from other Viewpoints

Required Viewpoints

none

Recommended Viewpoints

none