


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 SAF FFDS FOR Capability Definition Operational Performance SAF FFDS FOR Capability Definition Operational Performance | Operational Process Mission and Access 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 FFDS Capability Mapping Table SAF and CDS Operational Process Mapping Table SAF and CDS Operational Process Mapping Table |
| FUNCTIONAL DOMAIN SFV | System Context & Exchange FFDS User Data and CDS FFDS System FFDS Context Definition FFDS Context Exchange | System Structure FFDS System Structure Item Definition FFDS System Structure Item Definition FFDS System Structure Item Definition FFDS System Structure Item Definition | System Process Fire Detection and Identification Operational Process 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 FFDS Context Hazard Table | Traceability & Mapping FFDS Context Hazard Table System Requirement Definition System Requirement Definition |
| LOGICAL DOMAIN SLV | Logical Context & Exchange | Logical Structure FFDS Logical Architecture Definition | Logical Behavior FFDS Logical Interaction | Logical Interaction & Internal Exchange FFDS Logical Interaction | Logical Interface Definition FFDS Logical Interface Definition | | | Mapping Mapping of FFDS to Logical Context Mapping of FFDS to Logical Context |
| PHYSICAL DOMAIN SPV | Physical Context & Exchange FFDS FFDS System Physical Context Definition FFDS FFDS System Physical Context Definition | Physical Structure FFDS FFDS System Physical Structure Definition FFDS FFDS System Physical Structure Definition | Physical Behavior FFDS FFDS System Physical Behavior Definition FFDS FFDS System Physical Behavior Definition | Physical Interaction & Internal Exchange FFDS FFDS System Physical Interaction Definition FFDS FFDS System Physical Interaction Definition | Physical Interface Definition FFDS FFDS System Physical Interface Definition FFDS FFDS System 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