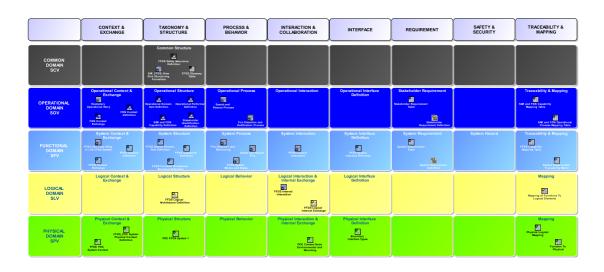


# SAF User Documentation : C2\_GRID Grid Definition Viewpoint

Domain	Aspect	Maturity
Common	Taxonomy & Structure	under construction

# **Example**



#	Domain	Aspect	Name	△ Viewpoint ID	
1	Common	Taxonomy & Structure	🛱 Argumentation Assurance Viewpoint	C2_ARAS	FFDS Safety Assurance Definition FFDS_Standards
2	Common	Taxonomy & Structure	Common Standards Definition Viewpoint	C2_CSTD	FFDS_Standards
3	Common	Taxonomy & Structure	Grid Definition Viewpoint	C2_GRID	FFDS View Overview  SAF_FFDS_View Grid Structuring Formalism
4	C	Taylor and St. Chryster	Common Towns Definition Viscons aint	C2 TDMD	PNG V3 Terms
	Common	Taxonomy & Structure	Common Terms Definition Viewpoint	C2_TRMD	FFDS Glossary Table
5	SAF Developme	e Context & Exchange	Stakeholder Viewpoint	D1_STKD	SAF context F Definition
6	SAF Developme	elTaxonomy & Structure	© Concept Viewpoint	D2_COTD	SAF_safety_concept Definition SAF_safety_concept Definition SAF_interaction_O Definition SAF_structural_O Definition SAF_structural_O Definition SAF_cross-domain FD-OD mapping wallpaper SAF_capability_O Definition SAF_framework Definition SAF_framework Definition SAF_framework Definition SAF_need_concept Definition SAF_domain_kind_O Definition SAF_domain_kind_O Definition SAF_context_concept Definition SAF_interface_O Definition SAF_interface_O Definition SAF_interaction_L Definition SAF_structural_L Definition SAF_structural_L Definition SAF_structural_F Definition SAF_structural_P Definition SAF_structural_P Definition SAF_structural_P Definition SAF_structural_P Definition SAF_structural_P Definition SAF_security_concept Definition SAF_security_concept Definition SAF_conext_O Definition SAF_ceneral_concept Definition SAF_peneral_concept Definition SAF_peneral_concept Definition SAF_peneral_concept Definition SAF_peneral_concept Definition SAF_ceneral_concept Definition SAF_ceneral_concept Definition SAF_peneral_concept Definition SAF_ceneral_concept Definition
7	SAF Developme	elTaxonomy & Structure	Stereotype Overview Viewpoint	D2_STYD	SAF_context_P Definition  SAF Stereotype Table  SAF Stereotype Table (example)
		er Taxonomy & Structure	Viewpoint Definition Viewpoint	D2_VPTD	
		e: Taxonomy & Structure	ivewpoint Implementation Viewpoint ivexpoint Overview Viewpoint	D2_VPTI D2_VPTO	
	SAF Developme		Concern Viewpoint	D6_CCND	
	SAF Developme	e Requirement e Traceability & Mapping	Rationale Viewpoint  Implementation Traceability Viewpoint	D6_RATD D8_STYD	
	Functional	Context & Exchange	System Context Definition Viewpoint	F1_SCXD	FFDS Context Definition
					FFDS Context Definition Table
	Functional	Context & Exchange	System Context Exchange Viewpoint	F1_SCXE	FFDS Context Exchange  FFDS Use Case Table
	Functional		System Use Case Viewpoint	F1_SUCS	
17		Context & Exchange			FFDS Use Case A Day in Life of the System
	Functional	Taxonomy & Structure	System Capability Definition Viewpoint	F2_SCYD	FFDS Use Case A Day in Life of the System  FFDS Capability Definition
18	Functional	Taxonomy & Structure Taxonomy & Structure	System Capability Definition Viewpoint System Domain Item Kind Viewpoint	F2_SCYD F2_SDIK	FFDS Use Case A Day in Life of the System FFDS Capability Definition FFDS System Domain Item Definition
18		Taxonomy & Structure	System Capability Definition Viewpoint	F2_SCYD F2_SDIK	FFDS Use Case A Day in Life of the System  FFDS Capability Definition
18 19 20	Functional Functional	Taxonomy & Structure Taxonomy & Structure Taxonomy & Structure Process & Behavior	System Capability Definition Viewpoint     System Domain Item Kind Viewpoint     System Functional Breakdown Structure Viewpoint     System Functional Refinement Viewpoint	F2_SCYD F2_SDIK F2_SFBS F3_SFRE	FFDS Use Case A Day in Life of the System FFDS Capability Definition FFDS System Domain Item Definition FFDS Function Breakdown Structure Maintainance FFDS Function Breakdown Structure Definition Detect and Report Fire
18 19 20 21	Functional Functional Functional	Taxonomy & Structure Taxonomy & Structure Taxonomy & Structure Process & Behavior Process & Behavior	System Capability Definition Viewpoint System Domain Item Kind Viewpoint System Functional Breakdown Structure Viewpoint System Functional Refinement Viewpoint System Functional Refinement Viewpoint System Process Viewpoint	F2_SCYD F2_SDIK F2_SFBS F3_SFRE F3_SPRO	FIPOS Use Case A Day in Life of the System FIPOS Capability Definition FIPOS System Domain Item Definition FIPOS FUNCTION Breakdown Structure Maintainance FIPOS Function Breakdown Structure Definition Detect and Report Fire FIPOS FUNCTION BREAKDOWN STRUCTURE DEFINITION
18 19 20 21 22	Functional Functional	Taxonomy & Structure Taxonomy & Structure Taxonomy & Structure Process & Behavior	System Capability Definition Viewpoint System Domain Item Kind Viewpoint System Functional Breakdown Structure Viewpoint System Functional Refinement Viewpoint System Process Viewpoint System State Viewpoint	F2_SCYD F2_SDIK F2_SFBS F3_SFRE F3_SPRO F3_SSTA	FFDS Use Case A Day in Life of the System FFDS Capability Definition FFDS System Domain Item Definition FFDS Fyrction Breakdown Structure Maintainance FFDS Function Breakdown Structure Definition Detect and Report Fire Fire Detection and Monitoring FFDS System Modes and States
18 19 20 21 22 23	Functional Functional Functional Functional Functional	Taxonomy & Structure Taxonomy & Structure Taxonomy & Structure Process & Behavior Process & Behavior Process & Behavior	System Capability Definition Viewpoint System Domain Item Kind Viewpoint System Functional Breakdown Structure Viewpoint System Functional Refinement Viewpoint System Functional Refinement Viewpoint System Process Viewpoint	F2_SCYD F2_SDIK F2_SFBS F3_SFRE F3_SPRO	FIPOS Use Case A Day in Life of the System FIPOS Capability Definition FIPOS System Domain Item Definition FIPOS FUNCTION Breakdown Structure Maintainance FIPOS Function Breakdown Structure Definition Detect and Report Fire FIPOS FUNCTION BREAKDOWN STRUCTURE DEFINITION
18 19 20 21 22 23 24	Functional Functional Functional Functional Functional Functional	Taxonomy & Structure Taxonomy & Structure Taxonomy & Structure Process & Behavior Process & Behavior Process & Behavior Interaction & Collaboration	System Capability Definition Viewpoint System Domain Item Kind Viewpoint System Functional Breakdown Structure Viewpoint System Functional Refinement Viewpoint System Process Viewpoint System State Viewpoint System Context Interaction Viewpoint	F2_SCYD F2_SDIK F2_SFBS F3_SFRE F3_SPRO F3_SSTA F4_SCXI	FFDS Use Case A Day in Life of the System FFDS Capability Definition FFDS System Domain Item Definition FFDS FUNCTION Breakdown Structure Maintainance FFDS Function Breakdown Structure Definition Detect and Report Fire Fire Detection and Monitoring FFDS System Modes and States FFDS Context Interaction FFDS System Interface Definition System Requirement Table
118 119 220 221 222 223 224 225 226	Functional	Taxonomy & Structure Taxonomy & Structure Taxonomy & Structure Process & Behavior Process & Behavior Process & Behavior Interaction & Collaboration Interface Requirement Traceability & Mapping	System Capability Definition Viewpoint System Domain Item Kind Viewpoint System Functional Breakdown Structure Viewpoint System Functional Refinement Viewpoint System Process Viewpoint System State Viewpoint System Context Interaction Viewpoint System Interface Definition Viewpoint System Lapability Mapping Viewpoint	F2_SCYD F2_SDIK F2_SFBS F3_SFRE F3_SPRO F3_SSTA F4_SCXI F5_SIFD F6_SRQD F8_SCYM	FFDS Use Case A Day in Life of the System FFDS Capability Definition FFDS System Domain Item Definition FFDS Function Breakdown Structure Maintainance FFDS Function Breakdown Structure Definition Detect and Report Fire Fire Detection and Monitoring FFDS System Modes and States FFDS Context Interaction FFDS System Interface Definition System Requirement Table FFDS Capability Mapping Table
118 119 120 221 222 223 224 225	Functional Functional Functional Functional Functional Functional Functional Functional Functional	Taxonomy & Structure Taxonomy & Structure Taxonomy & Structure Process & Behavior Process & Behavior Interaction & Collaboration Interface Requirement	System Capability Definition Viewpoint System Domain Item Kind Viewpoint System Functional Breakdown Structure Viewpoint System Functional Refinement Viewpoint System Process Viewpoint System State Viewpoint System Context Interaction Viewpoint System Context Interaction Viewpoint System Literace Definition Viewpoint System Requirement Definition Viewpoint	F2_SCYD F2_SDIK F2_SFBS F3_SFRE F3_SPRO F3_SSTA F4_SCXI F5_SIFD F6_SRQD	FFDS Use Case A Day in Life of the System FFDS Capability Definition FFDS System Domain Item Definition FFDS Function Breakdown Structure Maintainance FFDS Function Breakdown Structure Definition Detect and Report Fire FFDS Function and Monitoring FFDS System Modes and States FFDS Context Interaction FFDS System Interface Definition System Requirement Table FFDS Capability Mapping Table System Requirement Traceability Matrix
18 19 20 21 22 23 24 25 26	Functional	Taxonomy & Structure Taxonomy & Structure Taxonomy & Structure Process & Behavior Process & Behavior Process & Behavior Interaction & Collaboration Interface Requirement Traceability & Mapping	System Capability Definition Viewpoint System Domain Item Kind Viewpoint System Functional Breakdown Structure Viewpoint System Functional Refinement Viewpoint System Process Viewpoint System State Viewpoint System Context Interaction Viewpoint System Interface Definition Viewpoint System Lapability Mapping Viewpoint	F2_SCYD F2_SDIK F2_SFBS F3_SFRE F3_SPRO F3_SSTA F4_SCXI F5_SIFD F6_SRQD F8_SCYM	FFDS Use Case A Day in Life of the System FFDS Capability Definition FFDS System Domain Item Definition FFDS FUNCtion Breakdown Structure Maintainance FFDS Function Breakdown Structure Definition Detect and Report Fire Fire Detection and Monitoring FFDS System Modes and States FFDS Context Interaction FFDS System Requirement Table FFDS Capability Mapping Table System Requirement Traceability Matrix FFDS Logical Architecture Definition FFDS Logical Architecture Definition FFDS Logical Architecture Definition
18 19 20 21 22 23 24 25 26 27	Functional	Taxonomy & Structure Taxonomy & Structure Taxonomy & Structure Process & Behavior Process & Behavior Process & Behavior Interaction & Collaboration Interface Requirement Traceability & Mapping Traceability & Mapping	System Capability Definition Viewpoint System Domain Item Kind Viewpoint System Functional Breakdown Structure Viewpoint System Functional Refinement Viewpoint System Process Viewpoint System State Viewpoint System Context Interaction Viewpoint System Context Interaction Viewpoint System Capability Mapping Viewpoint System Requirement Definition Viewpoint System Capability Mapping Viewpoint System Requirement Traceability Viewpoint	F2_SCYD F2_SDIK F2_SFBS F3_SFRE F3_SPRO F3_SSTA F4_SCXI F5_SIFD F6_SRQD F8_SCYM F8_SRQT	FFDS Use Case A Day in Life of the System FFDS Capability Definition FFDS System Domain Item Definition FFDS FUNCTION Breakdown Structure Maintainance FFDS Function Breakdown Structure Definition Detect and Report Fire Fire Detection and Monitoring FFDS System Modes and States FFDS Context Interaction FFDS System Interface Definition System Requirement Table FFDS Capability Mapping Table System Requirement Traceability Matrix FFDS Logical Architecture Definition
18 19 20 21 22 23 24 25 26 27 28	Functional Logical Logical	Taxonomy & Structure Taxonomy & Structure Taxonomy & Structure Process & Behavior Process & Behavior Process & Behavior Interaction & Collaboration Interface Requirement Traceability & Mapping Traceability & Mapping Taxonomy & Structure  Interaction & Collaboration Interaction & Collaboration Interaction & Collaboration	System Capability Definition Viewpoint System Domain Item Kind Viewpoint System Functional Breakdown Structure Viewpoint System Functional Refinement Viewpoint System Process Viewpoint System State Viewpoint System Context Interaction Viewpoint System Interface Definition Viewpoint System Requirement Definition Viewpoint System Requirement Definition Viewpoint System Requirement Traceability Viewpoint Logical Structure Definition Viewpoint Logical Internal Exchange Viewpoint	F2_SCYD F2_SDIK F2_SFBS F3_SFRE F3_SPRO F3_SSTA F4_SCXI F5_SIFD F6_SRQD F8_SCYM F8_SRQT L2_LSTD L4_LIEX L4_LIEX	FFDS Use Case A Day in Life of the System FFDS Capability Definition FFDS System Domain Item Definition FFDS Function Breakdown Structure Maintainance FFDS Function Breakdown Structure Definition Detect and Report Fire Fire Detection and Monitoring FFDS System Modes and States FFDS Context Interaction System Requirement Table FFDS Capability Mapping Table System Requirement Traceability Matrix FFDS Logical Architecture Definition FFDS Logical Architecture Definition FFDS Logical Internal Exchange Full
118 119 20 221 222 223 224 225 226 227 228	Functional Logical	Taxonomy & Structure Taxonomy & Structure Taxonomy & Structure Process & Behavior Process & Behavior Interaction & Collaboration Interface Requirement Traceability & Mapping Traceability & Mapping Taxonomy & Structure Interaction & Collaboration	System Capability Definition Viewpoint System Domain Item Kind Viewpoint System Functional Breakdown Structure Viewpoint System Functional Refinement Viewpoint System Process Viewpoint System State Viewpoint System Context Interaction Viewpoint System Interface Definition Viewpoint System Requirement Definition Viewpoint System Capability Mapping Viewpoint System Requirement Traceability Viewpoint Logical Structure Definition Viewpoint	F2_SCYD F2_SDIK F2_SFBS F3_SFRE F3_SPRO F3_SSTA F4_SCXI F5_SIFD F6_SRQD F8_SCYM F8_SRQT L2_LSTD	FFDS Use Case A Day in Life of the System FFDS Capability Definition FFDS System Domain Item Definition FFDS Function Breakdown Structure Maintainance FFDS Function Breakdown Structure Definition Detect and Report Fire Fire Detection and Monitoring FFDS System Modes and States FFDS Context Interaction FFDS System Modes and States FFDS System Interface Definition System Requirement Table FFDS Capability Mapping Table System Requirement Traceability Matrix FFDS Logical Architecture Definition FFDS Logical Architecture Definition FFDS Logical Internal Exchange FFDS Logical Internal Exchange FFDS Logical Internal Exchange FFDS Internal Interaction Mapping of Functions To Logical Elements
18 119 220 221 222 223 224 225 226 227 228 229 330 331	Functional Logical Logical	Taxonomy & Structure Taxonomy & Structure Taxonomy & Structure Process & Behavior Process & Behavior Process & Behavior Interaction & Collaboration Interface Requirement Traceability & Mapping Traceability & Mapping Taxonomy & Structure  Interaction & Collaboration Interaction & Collaboration Interaction & Collaboration	System Capability Definition Viewpoint System Domain Item Kind Viewpoint System Functional Breakdown Structure Viewpoint System Functional Refinement Viewpoint System Process Viewpoint System State Viewpoint System Context Interaction Viewpoint System Interface Definition Viewpoint System Requirement Definition Viewpoint System Requirement Definition Viewpoint System Requirement Traceability Viewpoint Logical Structure Definition Viewpoint Logical Internal Exchange Viewpoint	F2_SCYD F2_SDIK F2_SFBS F3_SFRE F3_SPRO F3_SSTA F4_SCXI F5_SIFD F6_SRQD F8_SCYM F8_SRQT L2_LSTD L4_LIEX L4_LIEX	FFDS Use Case A Day in Life of the System FFDS Capability Definition FFDS System Domain Item Definition FFDS FUNCTION Breakdown Structure Maintainance FFDS FUD Function Breakdown Structure Definition Detect and Report Fire Fire Detection and Monitoring FFDS System Modes and States FFDS Context Interaction FFDS System Modes and States FFDS Capability Mapping Table System Requirement Table FFDS Logical Architecture Definition FFDS Logical Architecture Definition FFDS Logical Internal Exchange
18 19 20 21 22 23 24 25 26 27 28 29 30 31	Functional Logical Logical Logical Logical	Taxonomy & Structure Taxonomy & Structure Taxonomy & Structure Process & Behavior Process & Behavior Process & Behavior Interaction & Collaboration Interface Requirement Traceability & Mapping Traceability & Mapping Taxonomy & Structure Interaction & Collaboration Interaction & Collaboration Interaction & Collaboration Traceability & Mapping	System Capability Definition Viewpoint System Domain Item Kind Viewpoint System Functional Breakdown Structure Viewpoint System Functional Refinement Viewpoint System Functional Refinement Viewpoint System State Viewpoint System Context Interaction Viewpoint System Context Interaction Viewpoint System Requirement Definition Viewpoint System Capability Mapping Viewpoint System Requirement Traceability Viewpoint Logical Structure Definition Viewpoint Logical Internal Exchange Viewpoint Logical Internal Interaction Viewpoint	F2_SCYD F2_SDIK F2_SFBS F3_SFRE F3_SFRO F3_SSTA F4_SCXI F5_SIFD F6_SRQD F8_SCYM F8_SRQT L2_LSTD L4_LIEX L4_LITI L8_LFUM	FFDS Use Case A Day in Life of the System FFDS Capability Definition FFDS System Domain Item Definition FFDS Function Breakdown Structure Maintainance FFDS Function Breakdown Structure Definition Detect and Report Fire Fire Detection and Monitoring FFDS System Modes and States FFDS System Modes and States FFDS Context Interaction FFDS Cystem Interface Definition System Requirement Table FFDS Capability Mapping Table System Requirement Traceability Matrix FFDS Logical Architecture Definition FFDS Logical Architecture Definition FFDS Logical Internal Exchange FFDS Logical Internal Exchange FFDS Internal Interaction Mapping of Functions To Logical Elements FDN Context Definition
18 19 20 21 22 23 24 25 26 27 28 29 30 31 32	Functional Logical Logical Logical Operational Operational	Taxonomy & Structure Taxonomy & Structure Taxonomy & Structure Process & Behavior Process & Behavior Process & Behavior Interaction & Collaboration Interface Requirement Traceability & Mapping Traceability & Mapping Taxonomy & Structure Interaction & Collaboration Interaction & Collaboration Interaction & Collaboration Traceability & Mapping Context & Exchange Context & Exchange Context & Exchange	System Capability Definition Viewpoint System Domain Item Kind Viewpoint System Functional Breakdown Structure Viewpoint System Functional Refinement Viewpoint System Process Viewpoint System Process Viewpoint System Context Interaction Viewpoint System Context Interaction Viewpoint System Requirement Definition Viewpoint System Requirement Definition Viewpoint System Requirement Traceability Viewpoint Logical Structure Definition Viewpoint Logical Internal Exchange Viewpoint Logical Internal Interaction Viewpoint Logical Internal Interaction Viewpoint Coperational Context Definition Viewpoint Operational Context Definition Viewpoint Operational Context Exchange Viewpoint Operational Story Viewpoint	F2_SCYD F2_SDIK F2_SFBS F3_SFRE F3_SFRO F3_SSTA F4_SCXI F5_SIFD F6_SRQD F8_SCYM F8_SRQT L2_LSTD L4_LIEX L4_LITI L8_LFUM O1_OCXD O1_OCXE O1_OCXE O1_OCXE	FFDS Use Case A Day in Life of the System FFDS Capability Definition FFDS System Domain Item Definition FFDS System Domain Item Definition FFDS Function Breakdown Structure Maintainance FFDS Function Breakdown Structure Definition Detect and Report Fire Fire Detection and Monitoring FFDS System Modes and States FFDS Context Interaction System Requirement Table FFDS Capability Mapping Table System Requirement Traceability Matrix FFDS Logical Architecture Definition FFDS Logical Architecture Definition FFDS Logical Internal Exchange FFDS Logical Internal Exchange FFDS Internal Interaction Mapping of Functions To Logical Elements FFDN Context Definition SAR Context Definition SAR Context Definition FFDN Context Exchange Exemplary Operational Story
18 19 20 21 22 23 24 25 26 27 28 29 33 31 32	Functional Logical Logical Logical Logical Operational	Taxonomy & Structure Taxonomy & Structure Taxonomy & Structure Process & Behavior Process & Behavior Process & Behavior Interaction & Collaboration Interface Requirement Traceability & Mapping Traceability & Mapping Taxonomy & Structure Interaction & Collaboration Interaction & Collaboration Interaction & Collaboration Interaction & Collaboration Traceability & Mapping Context & Exchange Context & Exchange	System Capability Definition Viewpoint System Domain Item Kind Viewpoint System Functional Breakdown Structure Viewpoint System Functional Refinement Viewpoint System Functional Refinement Viewpoint System Process Viewpoint System State Viewpoint System Context Interaction Viewpoint System Requirement Definition Viewpoint System Requirement Definition Viewpoint System Requirement Traceability Viewpoint Logical Structure Definition Viewpoint Logical Internal Exchange Viewpoint Logical Internal Interaction Viewpoint Cogical Functional Mapping Viewpoint Operational Context Definition Viewpoint Operational Context Definition Viewpoint	F2_SCYD F2_SDIK F2_SPS F3_SFRE F3_SPRO F3_SSTA F4_SCXI F5_SIFD F6_SRQD F8_SCYM F8_SRQT L2_LSTD L4_LIEX L4_LITI L8_LFUM O1_OCXD O1_OCXE	FFDS Use Case A Day in Life of the System FFDS Capability Definition FFDS System Domain Item Definition FFDS FUNCTION Breakdown Structure Maintainance FFDS Function Breakdown Structure Definition Detect and Report Fire Fire Detection and Monitoring FFDS System Modes and States FFDS Context Interaction FFDS System Interface Definition System Requirement Table FFDS Capability Mapping Table System Requirement Traceability Matrix FFDS Logical Architecture Definition FFDS Logical Architecture Definition FFDS Logical Internal Exchange Exemplary Operational Story SAR and FDN Capability Definition
18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35	Functional Logical Logical Logical Operational Operational	Taxonomy & Structure Taxonomy & Structure Taxonomy & Structure Process & Behavior Process & Behavior Process & Behavior Interaction & Collaboration Interface Requirement Traceability & Mapping Taxonomy & Structure  Interaction & Collaboration Interaction & Collaboration Interaction & Collaboration Interaction & Collaboration Traceability & Mapping Context & Exchange Context & Exchange Context & Exchange Taxonomy & Structure  Taxonomy & Structure	System Capability Definition Viewpoint System Functional Breakdown Structure Viewpoint System Functional Refinement Viewpoint System Functional Refinement Viewpoint System Frocess Viewpoint System State Viewpoint System Context Interaction Viewpoint System Requirement Definition Viewpoint System Requirement Definition Viewpoint System Requirement Traceability Viewpoint Logical Structure Definition Viewpoint Claudia System Requirement Traceability Viewpoint Claudia System Requirement Traceability Viewpoint Claudia Internal Exchange Viewpoint Claudia Internal Interaction Viewpoint Claudia Internal Interaction Viewpoint Claudia Operational Context Exchange Viewpoint	F2_SCYD F2_SDIK F2_SFBS F3_SFRE F3_SPRO F3_SSTA F4_SCXI F5_SIFD F6_SRQD F8_SCYM F8_SRQT L2_LSTD L4_LIEX L4_LITI L8_LFUM O1_OCXD O1_OCXE O1_OCXE O1_OCXE O2_ODIK	FFDS Use Case A Day in Life of the System FFDS Capability Definition FFDS System Domain Item Definition FFDS FyDS Function Breakdown Structure Maintainance FFDS Function Breakdown Structure Definition Detect and Report Fire Fire Detection and Monitoring FFDS System Modes and States FFDS System Modes and States FFDS System Modes and States FFDS Capability Mapping Table System Requirement Table FFDS Capability Mapping Table System Requirement Traceability Matrix FFDS Logical Architecture Definition FFDS Logical Architecture Definition FFDS Logical Internal Exchange FFDS Logical Internal Exchange FFDS Internal Interaction Mapping of Functions To Logical Elements FDN Context Definition SAR Context Definition FDN Context Exchange Exemplary Operational Story SAR and FDN Capability Definition Operational Domain Item Table Operational Domain Item Definition
18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35	Functional Logical Logical Logical Operational Operational Operational	Taxonomy & Structure Taxonomy & Structure Taxonomy & Structure Process & Behavior Process & Behavior Process & Behavior Interaction & Collaboration Interface Requirement Traceability & Mapping Taxonomy & Structure Interaction & Collaboration Interaction & Collaboration Interaction & Collaboration Interaction & Collaboration Traceability & Mapping Context & Exchange Taxonomy & Structure	System Capability Definition Viewpoint System Domain Item Kind Viewpoint System Functional Breakdown Structure Viewpoint System Functional Refinement Viewpoint System Functional Refinement Viewpoint System Frocess Viewpoint System State Viewpoint System Context Interaction Viewpoint System Ceptinition Viewpoint System Requirement Definition Viewpoint System Requirement Traceability Viewpoint Logical Structure Definition Viewpoint Logical Internal Exchange Viewpoint Cogical Internal Interaction Viewpoint Cogical Internal Interaction Viewpoint Cogical Internal Interaction Viewpoint Cogical Structure Definition Viewpoint Cogical Internal Interaction Viewpoint Cogical Internal Interaction Viewpoint Cogical Internal Interaction Viewpoint Cogical Internal Context Definition Viewpoint Cogical Context Exchange Viewpoint Cogical Story Viewpoint Cogical Operational Capability Definition Viewpoint	F2_SCYD F2_SDIK F2_SDIK F2_SPBS F3_SFRE F3_SPRO F3_SSTA F4_SCXI F5_SIFD F6_SRQD F8_SCYM F8_SRQT L2_LSTD L4_LIEX L4_LITI L8_LFUM O1_OCXD O1_OCXE O1_OSTY O2_OCYD	FFDS Use Case A Day in Life of the System FFDS Capability Definition FFDS System Domain Item Definition FFDS FIDS Function Breakdown Structure Maintainance FFDS Function Breakdown Structure Definition Detect and Report Fire Fire Detection and Monitoring FFDS System Modes and States FFDS Context Interaction FFDS System Modes and States FFDS Capability Mapping Table System Requirement Table FFDS Capability Mapping Table System Requirement Traceability Matrix FFDS Logical Architecture Definition FFDS Logical Architecture Definition FFDS Logical Internal Exchange FFDS Logical Internal Exchange FFDS Logical Internal Exchange FFDS Internal Interaction Mapping of Functions To Logical Elements FDN Context Definition SAR Context Definition SAR Context Definition SAR And FDN Capability Definition Operational Domain Item Table
18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37	Functional Cogical Logical Logical Logical Operational Operational Operational Operational	Taxonomy & Structure Taxonomy & Structure Taxonomy & Structure Process & Behavior Process & Behavior Process & Behavior Interaction & Collaboration Interface Requirement Traceability & Mapping Taxonomy & Structure  Interaction & Collaboration Interaction & Collaboration Interaction & Collaboration Interaction & Collaboration Traceability & Mapping Context & Exchange Context & Exchange Context & Exchange Taxonomy & Structure  Taxonomy & Structure	System Capability Definition Viewpoint System Functional Breakdown Structure Viewpoint System Functional Refinement Viewpoint System Functional Refinement Viewpoint System Frocess Viewpoint System State Viewpoint System Context Interaction Viewpoint System Requirement Definition Viewpoint System Requirement Definition Viewpoint System Requirement Traceability Viewpoint Logical Structure Definition Viewpoint Claudia System Requirement Traceability Viewpoint Claudia System Requirement Traceability Viewpoint Claudia Internal Exchange Viewpoint Claudia Internal Interaction Viewpoint Claudia Internal Interaction Viewpoint Claudia Operational Context Exchange Viewpoint	F2_SCYD F2_SDIK F2_SFBS F3_SFRE F3_SPRO F3_SSTA F4_SCXI F5_SIFD F6_SRQD F8_SCYM F8_SRQT L2_LSTD L4_LIEX L4_LITI L8_LFUM O1_OCXD O1_OCXE O1_OCXE O1_OCXE O2_ODIK	FFDS Use Case A Day in Life of the System FFDS Capability Definition FFDS System Domain Item Definition FFDS FIDS Function Breakdown Structure Maintainance FFDS Function Breakdown Structure Definition Detect and Report Fire Fire Detection and Monitoring FFDS System Modes and States FFDS Context Interaction FFDS System Interface Definition System Requirement Table FFDS Capability Mapping Table System Requirement Traceability Matrix FFDS Logical Architecture Definition FFDS Logical Architecture Definition FFDS Logical Internal Exchange FFDS Logical Internal Exchange FFDS Logical Internal Exchange Full FFDS Internal Interaction Mapping of Functions To Logical Elements FDN Context Definition SAR Context Definition SAR Context Definition SAR Context Definition Operational Domain Item Table Operational Domain Item Definition Operational Performer Definition Operational Performer Definition
18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38	Functional Logical Logical Logical Operational Operational Operational Operational Operational	Taxonomy & Structure Taxonomy & Structure Taxonomy & Structure Process & Behavior Process & Behavior Process & Behavior Interaction & Collaboration Interface Requirement Traceability & Mapping Traceability & Mapping Taxonomy & Structure Interaction & Collaboration Interaction & Collaboration Interaction & Collaboration Traceability & Mapping Context & Exchange Context & Exchange Context & Exchange Context & Exchange Taxonomy & Structure Taxonomy & Structure Taxonomy & Structure	System Capability Definition Viewpoint System Domain Item Kind Viewpoint System Functional Breakdown Structure Viewpoint System Functional Refinement Viewpoint System Functional Refinement Viewpoint System State Viewpoint System State Viewpoint System Context Interaction Viewpoint System Requirement Definition Viewpoint System Requirement Definition Viewpoint System Requirement Traceability Viewpoint Logical Structure Definition Viewpoint Logical Internal Exchange Viewpoint Logical Internal Interaction Viewpoint Coperational Context Definition Viewpoint Operational Context Exchange Viewpoint Operational Story Viewpoint Operational Capability Definition Viewpoint Operational Context Exchange Viewpoint Operational Company Com	F2_SCYD F2_SDIK F2_SDIK F2_SPBS F3_SFRE F3_SFRO F3_SSTA F4_SCXI F5_SIFD F6_SRQD F8_SCYM F8_SRQT L2_LSTD L4_LIEX L4_LITI L8_LFUM O1_OCXD O1_OCXD O1_OCXE O1_OSTY O2_OCYD O2_OPRF	FFDS Use Case A Day in Life of the System FFDS Capability Definition FFDS System Domain Item Definition FFDS Function Breakdown Structure Maintainance FFDS Function Breakdown Structure Definition Detect and Report Fire Fire Detection and Monitoring FFDS System Modes and States FFDS Capability Material Definition System Requirement Table FFDS Capability Mapping Table System Requirement Traceability Matrix FFDS Logical Architecture Definition FFDS Logical Architecture Definition FFDS Logical Internal Exchange FFDS Logical Internal Exchange FFDS Logical Internal Exchange FFDS Internal Interaction Mapping of Functions To Logical Elements FDN Context Definition SAR Context Definition FDN Context Definition FDN Context Exchange FFDN Context Definition SAR Context Definition Operational Domain Item Table Operational Domain Item Definition Operational Performer Definition
18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39	Functional Logical Logical Logical Logical Operational Operational Operational Operational Operational Operational	Taxonomy & Structure Taxonomy & Structure Taxonomy & Structure Process & Behavior Process & Behavior Process & Behavior Interaction & Collaboration Interface Requirement Traceability & Mapping Taxonomy & Structure Interaction & Collaboration Interaction & Collaboration Interaction & Collaboration Interaction & Collaboration Traceability & Mapping Context & Exchange Context & Exchange Context & Exchange Context & Exchange Taxonomy & Structure Taxonomy & Structure Taxonomy & Structure Taxonomy & Structure	System Capability Definition Viewpoint System Domain Item Kind Viewpoint System Functional Breakdown Structure Viewpoint System Functional Refinement Viewpoint System Functional Refinement Viewpoint System Process Viewpoint System State Viewpoint System Context Interaction Viewpoint System Requirement Definition Viewpoint System Requirement Definition Viewpoint System Requirement Traceability Viewpoint Logical Structure Definition Viewpoint Logical Internal Exchange Viewpoint Cogical Internal Interaction Viewpoint Cogical Internal Interaction Viewpoint Cogical Functional Mapping Viewpoint Cogical Structure Definition Viewpoint Cogical Functional Mapping Viewpoint Cogical Functional Context Definition Viewpoint Cogical Context Exchange Viewpoint Cogical Cogica	F2_SCYD F2_SDIK F2_SDIK F2_SPBS F3_SFRE F3_SPRO F3_SSTA F4_SCXI F5_SIFD F6_SRQD F8_SCYM F8_SCYM F8_SCYT L2_LSTD L4_LIEX L4_LITI L8_LFUM O1_OCXD O1_OCXE O1_OSTY O2_OCYD O2_ODIK O2_OPRF O2_STID	FFDS Use Case A Day in Life of the System FFDS Capability Definition FFDS System Domain Item Definition FFDS FIDS Function Breakdown Structure Maintainance FFDS Function Breakdown Structure Definition Detect and Report Fire Fire Detection and Monitoring FFDS System Modes and States FFDS Context Interaction FFDS Copability Mapping Table System Requirement Table FFDS Capability Mapping Table System Requirement Traceability Matrix FFDS Logical Architecture Definition FFDS Logical Architecture Definition FFDS Logical Internal Exchange FFDS Logical Internal Exchange FFDS Logical Internal Exchange FFDS Internal Interaction Mapping of Functions To Logical Elements FDN Context Definition SAR Context Definition SAR Context Definition SAR Context Definition Operational Domain Item Table Operational Domain Item Table Operational Performer Table Stakeholder Identification Definition Search and Rescue Process

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43	Operational	Traceability & Mapping	Operational Process Mapping Viewpoint	O8_OPRM	SAR and FDN Operational Process Mapping Table
44	Physical	Context & Exchange	Physical Context Definition Viewpoint	P1_PCXD	🔀 FFDS_POC System Physical Context Definition
					POC FFDS Interfaces
45	Physical	Context & Exchange	Physical Context Exchange Viewpoint	P1_PCXE	FFDS POC System Context
					FFDS POC System Context with peek inside
					POC Comms Node
46	Physical	Taxonomy & Structure	Physical Structure Definition Viewpoint	P2_PSTD	POC FFDS System 1
40	Filysical	raxonomy & structure	Priysical structure benintion viewpoint	F2_F31D	NOC CCU
					🔀 POC Dev Sensor Node
					POC Comms Node Environmental and Mounting
					Proof Of Concept FFDS System Internal Exchange
47	Physical	Interaction & Collaboration	Physical Internal Exchange Viewpoint	P4_PIEX	Proof Of Concept FFDS System Internal Network Exchang
71	Titysical				POC Comms Node Network Aspects
					Proof Of Concept FFDS System 1 ExchangeTable
					POC Comms Node Internal Exchange
					Boundary Interface Types
48	Physical	Interface	Physical Interface Definition Viewpoint	P5_PIFD	Arduino Interfaces Types
					Internal Interface Types
49	Physical	Traceability & Mapping	Physical Functional Mapping Viewpoint	P8_PFUM	Function To Physical
50	Physical	Traceability & Mapping	Physical Logical Item Mapping Viewpoint	P8_PLIM	
51	Physical	Traceability & Mapping	Physical Logical Mapping Viewpoint	P8_PLOM	Physical Logical Mapping

## **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