SAF User Documentation : D6_RATD Rationale Viewpoint

Domain	Aspect	Maturity
SAF Development	Requirement	proposed

Example

#	Client	Documentation	Supplier	Framed By Viewpoint
1	System Architect	In my role, I need to know this in order to be able to further design the system in an appropriate way.	#577 For what purpose is the system developed or adapted?	System Use Case Viewpoint
2	Project Manager	In my role, I need to check whether the project order is implemented correctly.	#577 For what purpose is the system developed or adapted?	System Use Case Viewpoint
3	Acquirer	In my role, I need to check whether the overall system purpose is supported.	#577 For what purpose is the system developed or adapted?	System Use Case Viewpoint
4	System Architect	In my role, I need to orchestrate interface agreements between the system internal	#400 How do physical system elements interact to provide system functions?	Physical Internal Exchange Viewpoint
5	Software Developer	In my role, I need to implement the interfaces in my SW subsystem, if necessary.	#400 How do physical system elements interact to provide system functions?	Physical Internal Exchange Viewpoint
6	Hardware Developer	In my role, I need to implement the interfaces in my HW subsystem, if necessary.	#400 How do physical system elements interact to provide system functions?	Physical Internal Exchange Viewpoint
7	IV&V Engineer	In my role, I need to integrate and test the interfaces.	#400 How do physical system elements interact to provide system functions?	Physical Internal Exchange Viewpoint
8	Security Expert	In my role, I need to assess if internal interfaces conform to security separation concepts.	#400 How do physical system elements interact to provide system functions?	Physical Internal Exchange Viewpoint
9	Safety Expert	In my role, I use them as basis for understanding interfaces on logical level.	#544 How do the logical system elements interact to provide the system functions?	Logical Internal Interaction Viewpoint
10	Security Expert	In my role, I use them as basis for understanding interfaces on logical level.	#544 How do the logical system elements interact to provide the system functions?	Logical Internal Interaction Viewpoint
11	System Architect	In my role, I need to coordinate internal interfaces with internal subsystem partners.	#544 How do the logical system elements interact to provide the system functions?	Logical Internal Interaction Viewpoint
12	IV&V Engineer	In my role, I need to perform the integration of the system into its deployment	#422 How does a system function interact with its environment?	System Process Viewpoint
13	System Architect	In my role, I need to delegate the implementation of interfaces in subsystems.	#422 How does a system function interact with its environment?	System Process Viewpoint
14	SAF Developer	I need to cover the processes and best practises by a suitable set of viewpoints.	#621 How does a viewpoint of the framework the processes and best practises of the INCOSE SE Handbook?	Viewpoint Definition Viewpoint
15	SAF MBSE approch planer	I want to know how the INCOSE HB processes and best practises are supported by the	#621 How does a viewpoint of the framework the processes and best practises of the INCOSE SE Handbook?	Viewpoint Definition Viewpoint
16	SAF System model user	I want to know how the INCOSE HB processes and best practises are supported by the	#621 How does a viewpoint of the framework the processes and best practises of the INCOSE SE Handbook?	Viewpoint Definition Viewpoint
17	SAF Developer		#624 What are the frameworks model elements to be used	Stereotype Overview Viewpoint
18	SAF MBSE approch planer		#624 What are the frameworks model elements to be used	Stereotype Overview Viewpoint
19	SAF System model user		#624 What are the frameworks model elements to be used	Stereotype Overview Viewpoint
20	SAF Developer		#623 Why does a stakeholder have this specific concern ?	Rationale Viewpoint
21	SAF MBSE approch planer		#623 Why does a stakeholder have this specific concern ?	Rationale Viewpoint

Purpose

The Rationale Viewpoint defines the relationship between Stakeholders and their Concerns in the context of Development of SAF. The Rationale formulates why a Stakeholder has a certain concern.

Applicability

The ... Viewpoint supports the ... in INCOSE SYSTEMS ENGINEERING HANDBOOK 2023.

Presentation

A matrix featuring SCM_VPStakeholder elements and SCM_VPConcern elements as rows and columns, and a marking in cells where a SCM_ConcernRationale connects a stakeholder with a concern.

A table featuring the SCM_ConcernRationales that connect SCM_VPStakeholders and SCM_VPConcerns, and the rationales documentation.

Stakeholder

- SAF Developer
- SAF MBSE approch planer

Concern

- Which concerns are related to the frameworks stakeholders?
- Why does a stakeholder have this specific concern ?

Profile Model Reference

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

- SCM_ConcernRationale
- SCM_D2_RATD_Table
- SCM_VPConcern
- SCM_VPStakeholder

Input from other Viewpoints

Required Viewpoints

none

Recommended Viewpoints

none