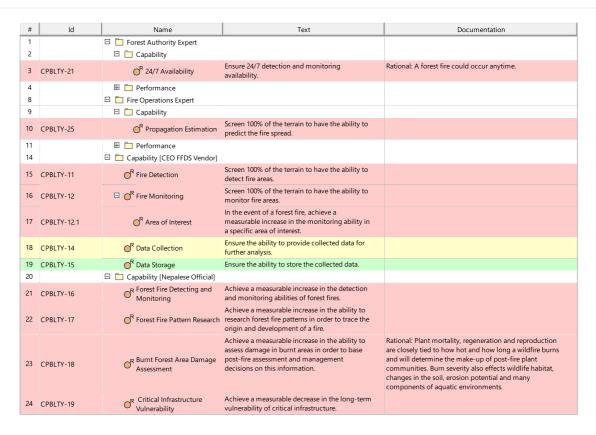


SAF User Documentation : Stakeholder Requirement Viewpoint

Domain	Aspect	Maturity
Operational	Requirement	released

Example



Purpose

The Stakeholder Requirement Viewpoint specifies all properties that the intended solution shall possess or expose from the perspective of the Stakeholders. The Stakeholder Requirement Viewpoint determines capabilities, functions, non-functional properties, and constraints.

Applicability

The Stakeholder Requirement Viewpoint supports the "Stakeholder Needs and Requirements Definition Process" activities of the INCOSE SYSTEMS ENGINEERING HANDBOOK 2015 [§ 4.2] and contributes to the identification of solution constraints.

Stakeholder

- Acquirer
- Customer
- Hardware Developer
- Supplier
- System Architect

Concern

- What are the normal and extreme environmental conditions for normal operation, for not operational, for storage and for transport?
- What are the requirements of environmental conditions imposed on the system?
- What are the requirements that a Stakeholder imposes on the system?
- What defines a valid solution towards the customer?
- What is the range of acceptable system performance, i.e. the critical, top-level performance requirements derived from the operational needs?

Presentation

Stakeholder requirements are structured in a way that the Stakeholder behind a requirement is identifiable. As appropriate, the identified Stakeholder Requirements are receiving a Derivation Link from the justifying model artefacts, namely Operational Performer, Operational Activity, and Operational Exchange. Note 1: "One requirement package for each Stakeholder" is a best-practice modeling rule. A package contains the requirements specific for one Stakeholder. Note 2: Even if different Stakeholders may have intersecting interests and / or concerns resulting in a similar set of requirements, each Stakeholder shall have its own set managed in a dedicated requirement package. Requirements shall not be shared because of their different life cycles. Resolving duplications and conflicts is subject of the requirements analysis resulting in an agreed set of System Requirements.

Profile Model Reference

- Package [UML_Standard_Profile]
- SAF SOV06a View
- SAF_Stakeholder
- SAF StakeholderRequirement
- SAF_StakeholderRequirementImposition
- SAF_StakeholderRequirementRefinement
- SAF_StakeholderRequirementRefinement

• SAF_SystemOfInterestConcern

Input from other Viewpoints

Required Viewpoints

• Stakeholder Identification Viewpoint

Recommended Viewpoints

- Operational Story Viewpoint
- Operational Performer Viewpoint