

SAF User Documentation : System Requirement Traceability Viewpoint

Domain	Aspect	Maturity
Functional	Traceability & Mapping	 released

Example

 System-Requirement-Traceability-Viewpoint-primary-example.svg

Purpose

The System Requirement Traceability Viewpoint specifies for every System Requirement the traceability to the functional domain level

- System Use Case
- System Capability
- System Context Definition
- System Context Exchange
- System Context Interaction
- System Process
- System State

Applicability

The System Requirement Traceability Viewpoint supports the "System Requirements Definition Process" activities of the INCOSE SYSTEMS ENGINEERING HANDBOOK 2015 [§4.3] and contributes to the System Requirements Traceability. The System Requirement Traceability Viewpoint also contributes to the System Requirements Verification and Traceability Matrix (RVTM).

Presentation

A dependency matrix featuring relationships for every System Requirement to the functional domain level

- System Use Case
- System Capability

- [System Context Definition](#)
- [System Context Exchange](#)
- [System Context Interaction](#)
- [System Process](#)
- [System State](#)

Stakeholder

- [Project Manager](#)

Concern

- What is the rationale for this system requirement?
- Which Stakeholder Requirements are addressed by System Requirements?
- Which system interface is addressed by a system requirement?

Profile Model Reference

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

- [SAF_SFV08b_View](#)
- [SAF_SystemFunctionalRequirement](#)
- [SAF_SystemFunctionalRequirementConstraint](#)
- [SAF_SystemFunctionalRequirementRefinement](#)
- [SAF_SystemNonFunctionalRequirement](#)
- [SAF_SystemRequirement](#)
- [SAF_SystemRequirementDerivation](#)
- [SAF_SystemRequirementDerivation](#)
- [SAF_SystemRequirementRefinement](#)
- [SAF_SystemRequirementRefinement](#)
- [SAF_SystemRequirementRefinement](#)

Input from other Viewpoints

Required Viewpoints

- [Stakeholder Requirement Viewpoint](#)
- [System Requirement Viewpoint](#)

Recommended Viewpoints

- [System Use Case Viewpoint](#)
- [System Capability Viewpoint](#)

- System Context Exchange Viewpoint
- System Context Interaction Viewpoint
- System Process Viewpoint
- System Functional Refinement Viewpoint
- System State Viewpoint