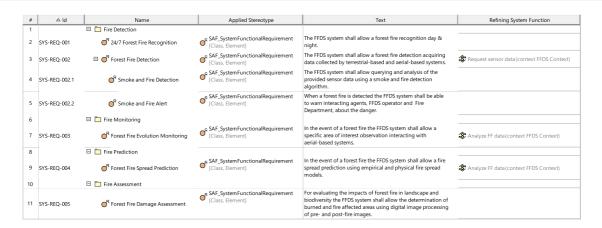


System Requirement Traceability Viewpoint

| Domain | Aspect | Maturity |
|------------|--------------------------|----------|
| Functional | Mapping & Crossreference | released |

Example



Purpose

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

- · System Story
- · System Context Definition
- System Context Exchange
- System Process
- · System Context Interaction

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 contributes to System Requirements Verification and Traceability Matrix (RVTM).

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?

Presentation

A System Requirement Dependency Matrix featuring relationships from every SOI System Requirements to modeling elements such as

- · System Story
- · System Context Definition
- System Context Exchange
- System Functional Scenario
- System Context Interaction Referring to a Stakeholder Requirement the dependency relation is <>,
 otherwise <>.

Profile Model Reference

- SAF_SFV08a_View
- SAF SystemFunctionalRequirement
- SAF SystemFunctionalRequirementConstraint
- SAF_SystemFunctionalRequirementRefinement
- SAF_SystemNonFunctionalRequirement
- SAF_SystemRequirement
- SAF_SystemRequirementDerivation
- SAF_SystemRequirementDerivation
- SAF SystemRequirementRefinement
- SAF SystemRequirementRefinement

Input from other Viewpoints

Required Viewpoints

- Stakeholder Requirement Viewpoint
- System Requirement Viewpoint

Recommended Viewpoints

- System Use Case Viewpoint
- System Context Exchange Viewpoint
- System Capability Viewpoint
- System Process Viewpoint
- System State Viewpoint
- System Context Interaction Viewpoint
- System Functional Refinement Viewpoint