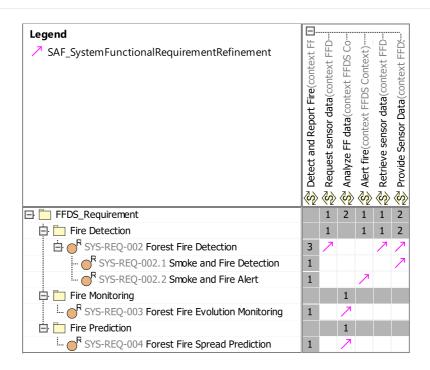


# SAF User Documentation: F8\_SRQT System Requirement Traceability Viewpoint

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

# **Example**



## **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 a system requirement?
- Which System Requirements are derived from Stakeholder Requirements?
- Which system interface is addressed by a system requirement?

#### **Profile Model Reference**

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

- SAF\_F8\_SRQT
- SAF\_SystemFunctionalRequirementConstraint
- SAF\_SystemFunctionalRequirementRefinement
- SAF\_SystemFunctionalRequirement
- SAF\_SystemNonFunctionalRequirement
- SAF\_SystemRequirementDerivation
- SAF\_SystemRequirementRefinement
- SAF SystemRequirement

# Input from other Viewpoints

# **Required Viewpoints**

- Stakeholder Requirement Definition Viewpoint
- System Requirement Definition Viewpoint

## **Recommended Viewpoints**

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