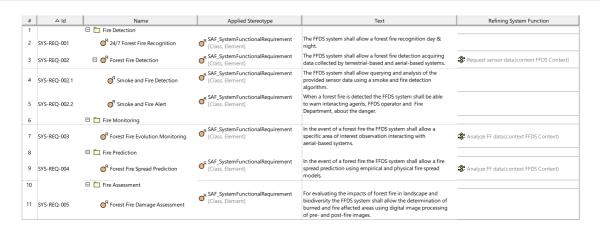


# **System Requirement Traceability Viewpoint**

Domain	Aspect	Maturity
Functional	Mapping & Crossreference	under construction

## **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 Functional Scenario
- · 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 UseCase Viewpoint
- System Context Exchange Viewpoint
- System Capability Viewpoint
- System Process Viewpoint
- System State Viewpoint
- System Context Interaction Viewpoint