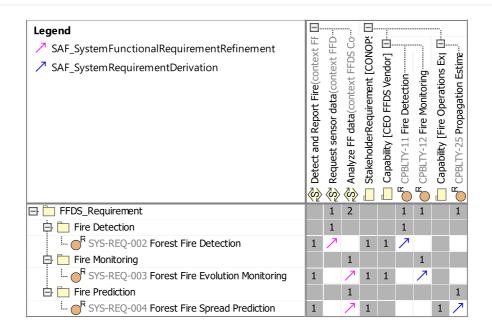


# SAF User Documentation : System Requirement Traceability Viewpoint

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).

#### 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 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

#### **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