System Requirement Traceability Viewpoint

Domain: **Functional** *Aspect:* **Crossreference and Mapping**

Example

none

Purpose

The System Requirement Traceability Viewpoint specifies [tbd] For every SOI System Requirement the traceability to functional domain level is depicted

- System Story
- System Context Definition
- System Context Exchange
- System Functional Scenario
- System Context Interaction is listed. Note: new VP to be created addressing dedicated concern [the traceability to operational domain level
- Operational Story
- Operational Context Definition
- Operational Context Exchange
- Operational Capability
- Operational Process
- Operational Interaction
- Stakeholder Requirement]

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). Note:

Stakeholder

- [Customer](#)
- [Regulation Authority](#)
- [Safety Expert](#)
- [Security Expert](#)

- System Architect

Concern

- Which System Interface is addressed by a System Requirement?
- Which System Function is addressed by a System Requirement?
- What is the rationale for this System Requirement?
- Which Stakeholder Requirements are addressed by a System Requirement?

Presentation

A System Requirement Dependency Matrix featuring relationship(s) from every SOI System Requirement(s) to element(s) 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