






# SAF User Documentation : F6\_SRQD System Requirement Definition Viewpoint

Domain	Aspect	Maturity
Functional	Requirement	 released

## Example

#	Id	Name	Applied Stereotype	Text	Requirement Derived FROM	Source
1		 Fire Detection				
6		 Fire Prediction				
8		 Fire Assessment				
10		 Fire Monitoring				

## Purpose

The System Requirement Definition Viewpoint specifies functions, non-functional properties, or constraints of the System. System Requirements are captured, the interrelationships between Functional and Non-Functional Requirements on the same level of abstraction and the traceability to Stakeholder Requirements are depicted.

## Applicability

The System Requirement Definition Viewpoint supports the "System Requirements Definition Process" activities of the INCOSE SYSTEMS ENGINEERING HANDBOOK 2015 [§4.3] and contributes to the System Requirements Verification and Traceability Matrix (RVTM).

## Presentation

A tabular format listing

- unique requirement ID, text, and attributes,
- traceability reference to Stakeholder Requirements,
- traceability reference to depended Requirements on the same level of abstraction.

## Stakeholder

- [Hardware Developer](#)

- [IV&V Engineer](#)
- [Project Manager](#)
- [Software Developer](#)
- [System Architect](#)

## Concern

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- [What are the exchange requirements imposed on the system?](#)
- [What are the functional requirements imposed on the system?](#)
- [What are the non-functional requirements imposed on the system?](#)
- [What are the requirements of environmental conditions imposed on the system?](#)
- [What is the range of acceptable system performance, i.e. the critical, top-level performance requirements derived from the operational needs?](#)
- [Which Stakeholder Requirements are addressed by System Requirements?](#)
- [Which are the interface requirements imposed on the system?](#)

## Profile Model Reference

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

- [SAF\\_F6\\_SRQD](#)
- [SAF\\_StakeholderRequirement](#)
- [SAF\\_SystemFunctionalRequirementConstraint](#)
- [SAF\\_SystemFunctionalRequirement](#)
- [SAF\\_SystemNonFunctionalRequirement](#)
- [SAF\\_SystemRequirementDerivation](#)
- [SAF\\_SystemRequirement](#)

## Input from other Viewpoints

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### Required Viewpoints

- [Stakeholder Requirement Definition Viewpoint](#)

### Recommended Viewpoints

- [Operational Story Viewpoint](#)
- [Operational Context Exchange Viewpoint](#)
- [Operational Capability Definition Viewpoint](#)
- [Operational Process Viewpoint](#)
- [Operational Context Interaction Viewpoint](#)
- [Operational Capability Mapping Viewpoint](#)
- [Operational Process Mapping Viewpoint](#)

