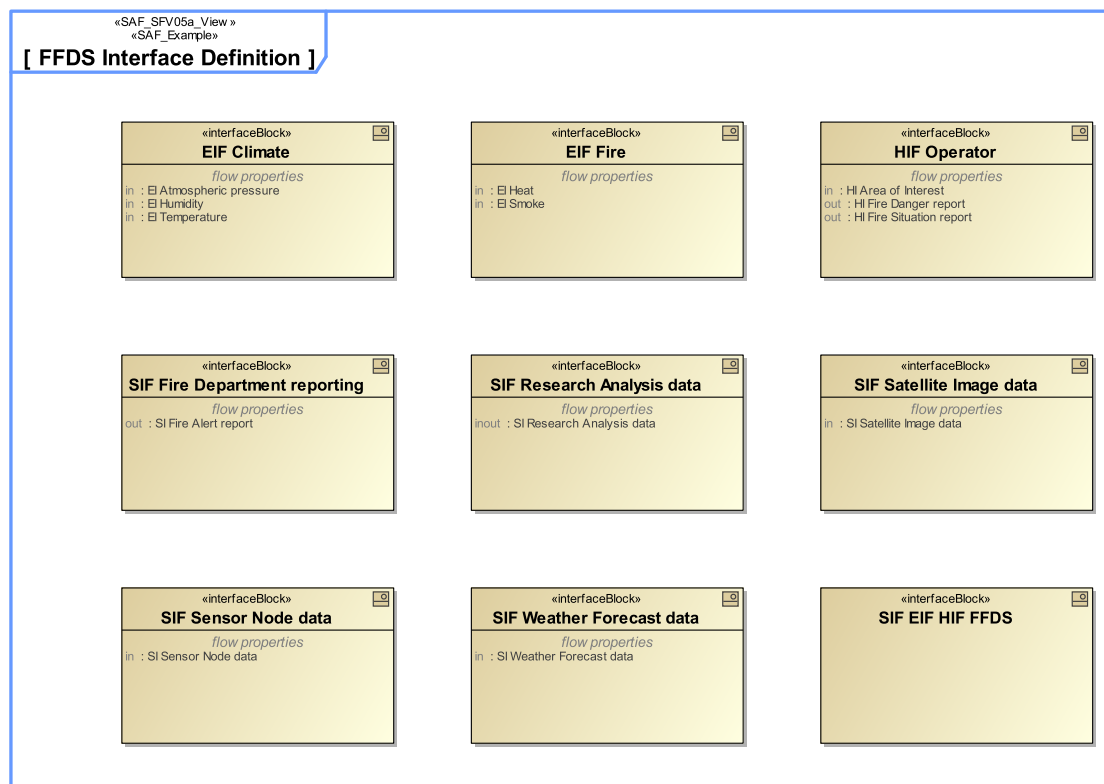




SAF User Documentation : System Functional Interface Definition Viewpoint

Domain	Aspect	Maturity
Functional	Interface	 released

Example



Purpose

The System Functional Interface Definition Viewpoint provides definitions used on functional Interfaces used in the system context. It allows to structure interface definitions to improve clarity and manageability.

Applicability

The System Functional Interface Definition Viewpoint supports The System Context Definition Viewpoint supports the "Prepare for Requirement Definition" activity included in "System Requirements Definition Process" activities of the INCOSE SYSTEMS ENGINEERING HANDBOOK 2015 [§ 4.3] and contributes to the system Functional Interface Identification.

Stakeholder

Concern

Presentation

A BDD featuring Interface Blocks with ports and flow properties. If ports are used they shall be proxy ports, and be typed by interface blocks.

A Table featuring interface blocks and their ports and flow properties.

Profile Model Reference

- FlowProperty typed by SAF_DomainKind
- ProxyPort typed by InterfaceBlock
- FlowProperty contained in InterfaceBlock
- ItemFlow typed by SAF_DomainKind
- Connector [UML_Standard_Profile]
- FlowProperty [SysML Profile]
- InterfaceBlock [SysML Profile]
- ItemFlow [SysML Profile]
- ProxyPort [SysML Profile]
- Attribute "Realizing Connector" of InformationFlow referencing Connector
- [SAF_DomainKind](#)
- [SAF_SFV05a_View](#)

Input from other Viewpoints

Required Viewpoints

none

Recommended Viewpoints

none