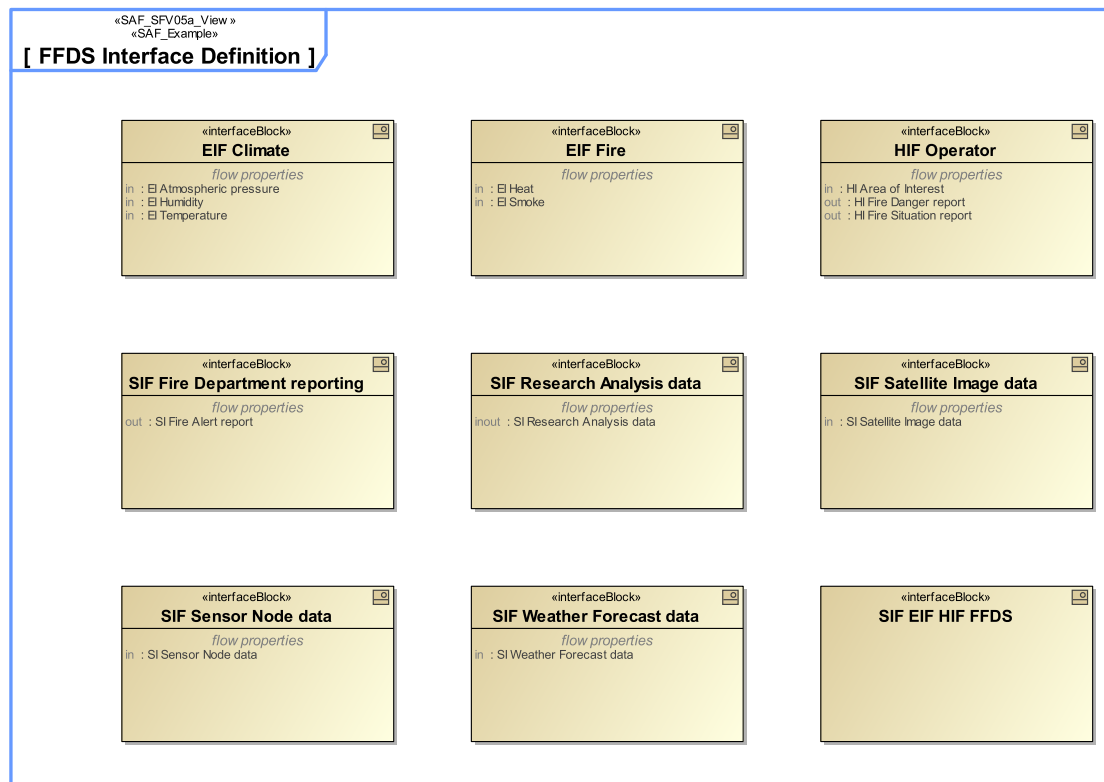




Functional Interface Definition Viewpoint

| Domain | Aspect | Maturity |
|------------|-----------|---|
| Functional | Interface |  under construction |

Example



Purpose

The 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 managability.

Applicability

The 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 featuringt interface blocks and their ports and flow properties.

Profile Model Reference

- ProxyPort typed by InterfaceBlock
- ItemFlow typed by SAF_DomainKind
- FlowProperty typed by SAF_DomainKind
- FlowProperty contained in InterfaceBlock
- 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