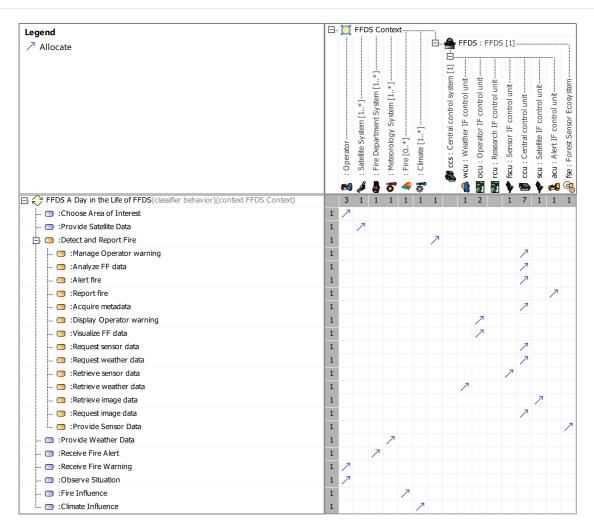


# SAF User Documentation : Logical Functional Mapping Viewpoint

Domain	Aspect	Maturity
Logical	Traceability & Mapping	released

## **Example**



## **Purpose**

The Logical Functional Mapping Viewpoint captures the assignment of the System Functions and the System Partial Functions to the Logical SOI and the Logical SOI Elements.

## **Applicability**

The Logical Function Mapping Viewpoint supports the "System Architecture Definition process" activities of the INCOSE SYSTEMS ENGINEERING HANDBOOK 2015 [§ 4.4] and contributes to the System Architecture description.

#### Stakeholder

- · Hardware Developer
- Software Developer
- System Architect

#### Concern

• Which (system and system partial) functions are assigned to a logical item and logical item components? Note: if allocation of usage is used, then allocation of definition is a derived relationship XOR.

#### **Presentation**

A dependency matrix featuring

- the call behavior action representing usage of System Functions or System Partial Functions,
- the part properties representing usage of Logical SOI Elements,
- the allocation relationship between above mentioned elements.

#### **Profile Model Reference**

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

- Allocate [SysML Profile]
- SAF FunctionAction
- SAF\_LogicalElement
- SAF\_LogicalInternalRole
- SAF\_LogicalSOI
- SAF\_SLV08a\_View
- SAF\_SystemFunction
- SAF SystemPartialFunction

## Input from other Viewpoints

### **Required Viewpoints**

- · Logical Structure Viewpoint
- System Process Viewpoint

• System Functional Refinement Viewpoint

## **Recommended Viewpoints**

• System Domain Item Kind Viewpoint