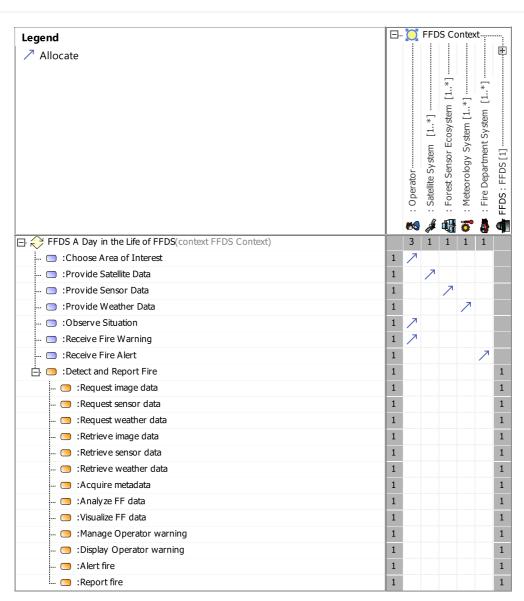


# SAF User Documentation : Logical Functional Mapping Viewpoint

Domain	Aspect	Maturity
Logical	Traceability & Mapping	released

## **Example**



### **Purpose**

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

## **Applicability**

The Logical Function Allocation Viewpoint supports the "System Architecture Definition process" activities of the INCOSE SYSTEMS ENGINEERING HANDBOOK 2015.

#### 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 Logical Functional Mapping Matrix featuring

- the call behavior action representing usage of System Functions and or System Partial Functions
- the part properties representing usage of Logical SOI Elements
- the allocation relationship between abovementioned elements

#### **Profile Model Reference**

- Allocate [SysML Profile]
- SAF FunctionAction
- SAF LogicalContextRole
- SAF LogicalElement
- 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