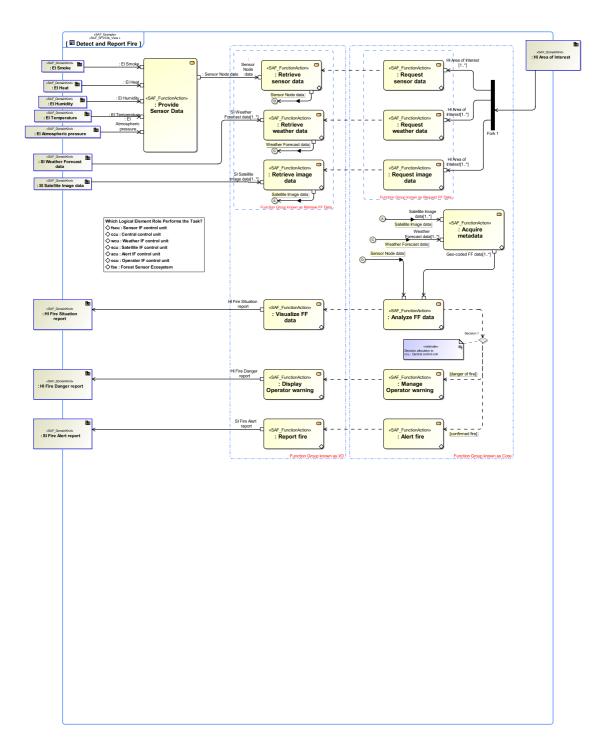


# SAF User Documentation : System Functional Refinement Viewpoint

Domain	Aspect	Maturity
Functional	Process & Behavior	proposed

# **Example**



## **Purpose**

The System Functional Refinement Viewpoint analyses decomposition of System Functions into System Partial Functions in order achieve understanding and agreement about the System functions sufficient to derive system requirements.

# **Applicability**

The System Functional Refinement Viewpoint supports the "Define System Requirements" activities of the INCOSE SYSTEMS ENGINEERING HANDBOOK 2015 [§4.3]. The System Functional Refinement Viewpoint contributes to the System Function definition.

### Stakeholder

System Architect

#### Concern

- How are the system functions decomposed into sub-functions?
- What is the breakdown of functions into sub-functions?

#### **Presentation**

Activity Diagram featuring System Partial Functions, functional exchange between partial functions. There are explicitly no Swimlanes and no allocations to structure.

#### **Profile Model Reference**

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

## Input from other Viewpoints

#### **Required Viewpoints**

• System Process Viewpoint

#### **Recommended Viewpoints**

- Operational Context Definition Viewpoint
- Operational Domain Item Kind Viewpoint
- System Context Definition Viewpoint
- · System Domain Item Kind Viewpoint