




SAF User Documentation : System Functional Refinement Viewpoint

| Domain | Aspect | Maturity |
|------------|--------------------|---|
| Functional | Process & Behavior |  under construction |

Example



Purpose

The System Functional Refinement Viewpoint analyses decomposition of System Functions into System Partial Functions in order to 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

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](#)