

## SAF User Documentation : Logical Functional Mapping Viewpoint

Domain	Aspect	Maturity
Logical	Traceability & Mapping	 released

### Example



### Purpose

The Logical Functional Mapping Viewpoint supports the definition of assignment of system functions and system partial functions to conceptual logical system elements.

## Applicability

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The Logical Functional Mapping Viewpoint supports the “System Architecture Definition Process” activities of the INCOSE SYSTEMS ENGINEERING HANDBOOK 2023 [§2.3.5.4] and contributes to the artifact "Traceability Mapping".

Furthermore, the Logical Functional Mapping Viewpoint supports the "Allocation and Partitioning of Functional Entities to Logical Entities" activities.

## Presentation

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A FBS\_to\_LBS mapping matrix featuring

- Functional Breakdown Structure (FBS)
- Logical Breakdown Structure (LBS)
- Allocation from system functions and system partial functions to conceptual logical system elements

## Stakeholder

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- [Hardware Developer](#)
- [Software Developer](#)
- [System Architect](#)

## Concern

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- [Which functions are allocated to the logical SOI logical architecture?](#)

## Profile Model Reference

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

- Allocate [SysML Profile]
- SAF\_LogicalInternalRole contained in SAF\_LogicalElement
- [SAF\\_FunctionAction](#)
- [SAF\\_LogicalElement](#)
- [SAF\\_LogicalSOI](#)
- [SAF\\_SLV08a\\_View](#)
- [SAF\\_SystemFunction](#)
- [SAF\\_SystemPartialFunction](#)

## Input from other Viewpoints

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## Required Viewpoints

- [System Process Viewpoint](#)
- [System Functional Refinement Viewpoint](#)
- [Logical Structure Viewpoint](#)

## **Recommended Viewpoints**

- [System Process Viewpoint](#)
- [System Functional Refinement Viewpoint](#)