

## SAF User Documentation : L8\_LFUM 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 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 logical system elements

## Stakeholder

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

## Concern

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- [Which functions are allocated to which parts of the 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\\_L8\\_LFUM\\_Matrix](#)
- [SAF\\_LogicalElement](#)
- [SAF\\_LogicalSOI](#)
- [SAF\\_SystemFunction](#)
- [SAF\\_SystemPartialFunction](#)

## Input from other Viewpoints

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### Required Viewpoints

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

## **Recommended Viewpoints**

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