

## SAF User Documentation : Physical Logical Mapping Viewpoint

Domain	Aspect	Maturity
Physical	Traceability & Mapping	 released

### Example



### Purpose

The Physical Logical Mapping Viewpoint specifies the assignment of the Logical System Elements to the Physical System Elements.

### Applicability

The Physical Functional Mapping Viewpoint supports the "System Architecture Definition process" activities of the INCOSE SYSTEMS ENGINEERING HANDBOOK 2015 .

### Presentation

A Physical To Logical Assignment Matrix featuring

- Logical Elements roles
- Physical Elements roles

- allocation relationships from logical elements roles to physical elements roles

## Stakeholder

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- [Hardware Developer](#)
- [IV&V Engineer](#)
- [Mechanic Developer](#)
- [Software Developer](#)
- [System Architect](#)

## Concern

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- [Which conceptual Logical Elements are allocated to Physical Elements in the physical architecture](#)

## Profile Model Reference

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

- Allocate [SysML Profile]
- Attribute "logical\_element" of SAF\_PhysicalItem referencing SAF\_LogicalElement
- SAF\_LogicalInternalRole contained in SAF\_LogicalElement
- SAF\_PhysicalInternalRole contained in SAF\_PhysicalItem
- [SAF\\_LogicalElement](#)
- [SAF\\_PhysicalInternalRole](#)
- [SAF\\_SPV08a\\_View](#)

## Input from other Viewpoints

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### Required Viewpoints

- [Logical Functional Mapping Viewpoint](#)
- [Logical Structure Viewpoint](#)
- [Physical Structure Viewpoint](#)

### Recommended Viewpoints

*none*