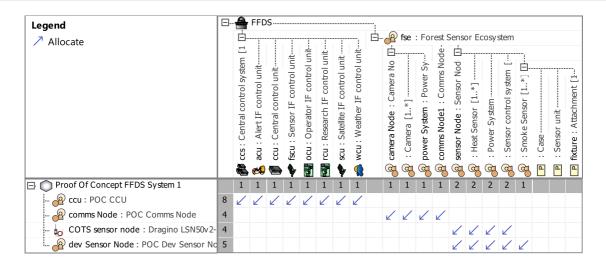
SAF User Documentation : Physical Logical Mapping Viewpoint

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 Assigment Matrix featuring

- · Logical Elements roles
- · Physical Elements roles

allocation relationships from logical elements roles to physical elements roles

Stakeholder

- Hardware Developer
- IV&V Engineer
- Mechanic Developer
- Software Developer
- System Architect

Concern

• Which conceptual Logical Elements are allocated to Physical Elements in the physical architecture

Profile Model Reference

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

Required Viewpoints

- Logical Functional Mapping Viewpoint
- · Logical Structure Viewpoint
- Physical Structure Viewpoint

Recommended Viewpoints

none