Physical Function Allocation Viewpoint

Domain	Aspect	Maturity
Physical	Mapping & Crossreference	⚠️ under construction

Example

none

Purpose

The Physical Function Allocation Viewpoint analyses the allocation of Functions to the Physical SOI Elements.

Applicability

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

Stakeholder

- Hardware Developer
- Software Developer
- System Architect

Concern

- What is the allocation of functions to the physical architecture?
- Which functions and services need to be implemented in SW?
- Which functions need to be realized by HW?

Presentation

A Physical Function Allocation Matrix featuring

- the call behavior action representing usage of Function(s)
- Physical SOI Element(s) or Physical SOI
- a derived relationship

Profile Model Reference

- SAF_FunctionAction
- SAF_PhysicalElement
- SAF_PhysicalHardwareElement
- SAF_PhysicalSoftwareElement

Input from other Viewpoints

Required Viewpoints

- Physical Structure Viewpoint
- Logical Function Assignment Viewpoint
- Logical Structure Viewpoint

Recommended Viewpoints

- System Process Viewpoint