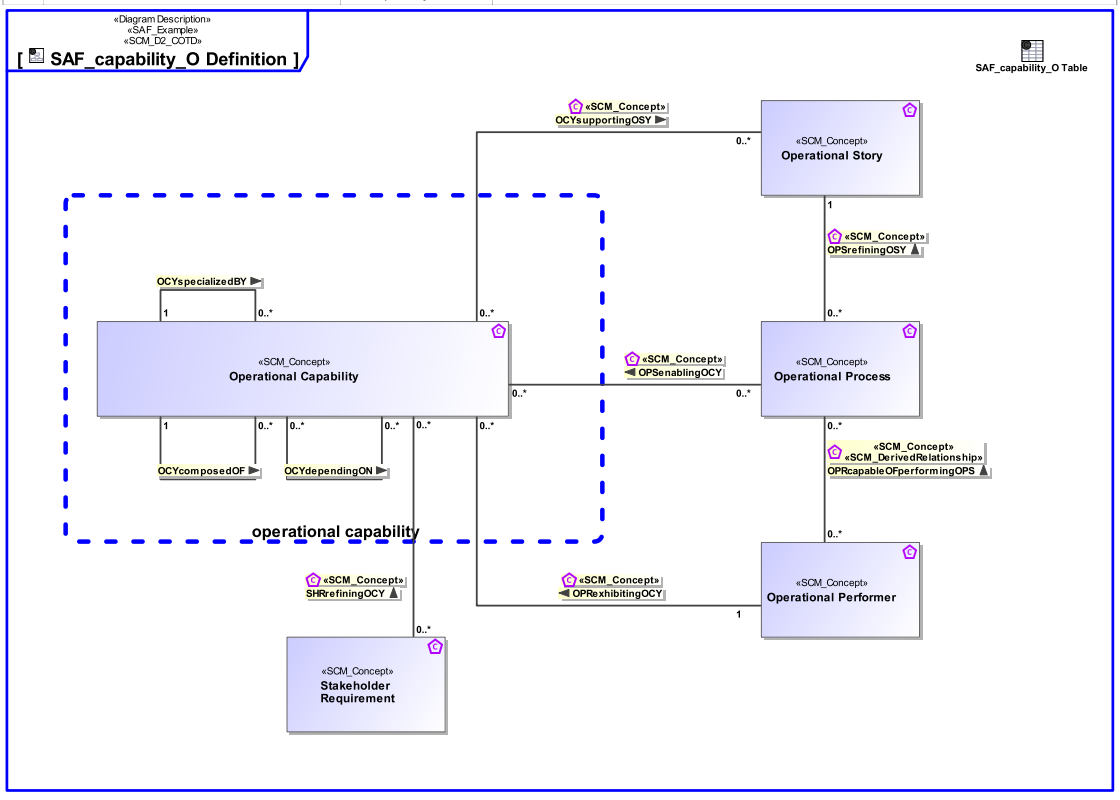
SAF User Documentation : D2_COTD Concept Viewpoint

Domain	Aspect	Maturity
SAF Development	Taxonomy & Structure	proposed

Example

#	Name	Is Abstract	AssociationEndType	Documentation
1	Operational Capability	false		A Operational Capability is a high-level description or specification of an organizational unit's ability to execute a specified course of action, to implement a business process or to provide a service. Operational Capabilities typically require people, processes, infrastructure, technology and supporting systems to be implemented. A Operational Capability is an enduring element, its implementation may change over time. A necessary or desired change of a Operational Capability triggers the updated of involved systems or the integration new systems. Aliases: UAF::Capability NAF4::Capability
2	OCYspecializedBY	false	Operational Capability	Specifies the fact that an Operational Capability is specialized by other Operational Capability. Aliases: UAF::CapabilityGeneralization
3	OCYcomposedOF	false	Operational Capability	Specifies the fact that an Operational Capability consists of other Operational Capabilites.
4	OCYdependingON	false	Operational Capability	Specifies the fact that an Operational Capability depends on another Operational Capability. Aliases: UAF::CapabilityDependency
5	OCYsupportingOSY	false	Operational Story Operational Capability	Specifies the fact that an Operational Story is supported by Operational Capabilities.



Purpose

The Concept Viewpoint defines the SE concepts and their relationships supported by SAF.

Applicability

The ... Viewpoint supports the ... in INCOSE SYSTEMS ENGINEERING HANDBOOK 2023.

Presentation

A Block Definition Diagram (BDD) featuring elements of SCM_Concept representing SE concepts to be supported by SAF. SCM_Concept can be classes of items, relations between items. It is also possible to create relations to relations (SCM_Concepts can be Classes, Associations and Association Classes). For relational concepts, it is reqired to display the direction, and to define the multiplicities. See SAF Development Guide for concept modeling conventions

A table featuring SCM_Concepts and their descriptions. In case of relational concepts the ends are shown also.

Stakeholder

- SAF Developer
- SAF MBSE approch planer

Concern

- Which systems engineering concepts are covered by the framework?

Profile Model Reference

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

- SCM_Concept
- SCM_D2_COTD
- SCM_D2_COTD_Table

Input from other Viewpoints

Required Viewpoints

none

Recommended Viewpoints

none