SAF User Documentation : O8_OCYM Operational Capability Mapping Viewpoint

Domain	Aspect	Maturity
Operational	Traceability & Mapping	released

Example

#	Name	Documentation	Capability Supporting	Capability Exhibited BY	Capability Enabled BY	Refining Stakeholder Requirement
1	Safeguard People & Protect Property and Resources	The Disaster Recovery Reform Act of 2018 (DRRA) - enacted after the devastation of the 2017 hurricane season and 2018 California wildfires - emphasizes the importance of capabilities-based planning. Specifically, DRRA requires Federal Emergency Management Agency (FEMA.gov) to "**complete a national preparedness assessment of capability gaps** at each level based on tiered, capability-specific performance objectives to enable prioritization of grant funding."				
2	SAR Capability					
7	FDN Capability					
8	Fire Sources early	*This operational capability demonstrates that the*	Fire Detection and ...	Surveillance Center	Detect and Notify ...	STK-REQ-OLT-27 Notification Time
9	Fire Propagation	*This operational capability demonstrates that the*	Fire Detection and ...	Surveillance Center	Detect and Notify ...	CPBLTY-25 Propagation Estimation
10	Fire Event Management	*This operational capability demonstrates that the*	Fire Detection and ...	Surveillance Center	Detect and Notify ...	STK-REQ-OLT-22 Forest Size

Purpose

The Operational Capability Mapping Viewpoint describes the relationships of Operational Capabilities. The reasoning for Operational Capabilities as support for Operational Stories and the contribution of Operational Processes to Capabilities are described. Operational Capabilities encoded in Stakeholder Requirements are identified.

Applicability

The Operational Capability Mapping Viewpoint supports the "Business or Mission Analysis Process" activities of the INCOSE SYSTEMS ENGINEERING HANDBOOK 2023 [§ 4.1] and contributes to the definition of Operational Capabilities.

Presentation

A tabular format listing the relationships of Operational Capabilities to Stakeholder Requirements, Operational Stories, and Operational Process Activities.

Stakeholder

- Acquirer

- Customer
- Portfolio Manager
- System Architect

Concern

- Show in a concise manner the relationships from operational capability to operational story, to operational activity, and to operational performer.

Profile Model Reference

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

- SAF_O8_OCYM
- SAF_OperationalCapabilityComposition
- SAF_OperationalCapabilityDependency
- SAF_OperationalCapabilityGeneralization
- SAF_OperationalCapabilitySupport
- SAF_OperationalCapability
- SAF_OperationalPerformerExhibit
- SAF_OperationalPerformer
- SAF_OperationalProcessEnabling
- SAF_OperationalProcess
- SAF_OperationalStory
- SAF_StakeholderRequirementRefinement
- SAF_StakeholderRequirement

Input from other Viewpoints

Required Viewpoints

- Operational Capability Definition Viewpoint

Recommended Viewpoints

- Operational Story Viewpoint
- Operational Process Viewpoint