SAF User Documentation : Operational Process Mapping Viewpoint

Domain	Aspect	Maturity
Operational	Traceability & Mapping	released

Example

#	Name	Applied Stereotype	Documentation	Process Refining	Process Performed BY	Process Enabling
1	Search and Rescue	SAF_OperationalStory [UseCase] TODO_Owner [Element]	This Story sets the context of the Air & Land rescue by illustrating the search and rescue operation at land involving a cat in distress. The Rochester Hills Fire Department responded to a fire at an eight-unit apartment building in the 3600 block of Galloway Court around 5:39 a.m. on Sunday, August 16th. Residents called 911 after hearing loud thundering and seeing bright lightning. The fire department believes lightning may have struck the building, causing the fire. Fire was spewing from the roof when ...			
3	SAR Process	HyperlinkOwner [Element]				
11	Fire Detection and Notification	SAF_OperationalStory [UseCase] TODO_Owner [Element]	Day trippers using a disposable barbecue started devastating forest fire that destroyed 480 acres of protected woodland killing thousands of creatures. More than 150 firefighters of the Rochester Hills Fire Department spent 48 hours battling the blaze which broke out on Monday lunchtime. Fire investigators have found the remains of two disposable barbecues amid the blackened landscape of Rochester Hills Forest.			
12	Fire Detection and Notification	SAF_OperationalProcess [Activity]		Fire Detection and Notification		
13	FDN Process	HyperlinkOwner [Element]				
14	Cook (food) on a Barbecue	SAF_OperationalProcess [Activity]			Day Tripper	
15	Cause Fire Ignition of ...	SAF_OperationalProcess [Activity]			Fire	
16	Detect and Notify Fire	SAF_OperationalProcess [Activity]			Surveillance Center	Fire Event Management
17	Receive Fire Report	SAF_OperationalProcess [Activity]			Coordination Center	

Purpose

The Operational Process Mapping Viewpoint describes the relationships of Operational Processes. The reasoning for Operational Processes from Operational Stories and their contribution to Capabilities is described. The assignment of Operational Processes to Operational Performers is captured.

Applicability

The Operational Process Mapping Viewpoint supports the "Business or Mission Analysis Process" activities of the INCOSE SYSTEMS ENGINEERING HANDBOOK 2015 [§ 4.1] and contributes to the definition of operational scenarios.

Presentation

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

Stakeholder

- Acquirer
- Customer
- Portfolio Manager
- System Architect

Concern

- Show in a concise manner the relationships from operational process to operational story and to operational performer.

Profile Model Reference

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

- SAF_OperationalCapability
- SAF_OperationalPerformer
- SAF_OperationalProcessEnabling
- SAF_OperationalProcessRefinement
- SAF_OperationalProcess
- SAF_OperationalStory
- SAF_SOV08b_View

Input from other Viewpoints

Required Viewpoints

- Operational Process Viewpoint

Recommended Viewpoints

- Operational Context Definition Viewpoint
- Operational Domain Item Kind Viewpoint