

Operational Process Traceability Viewpoint

Domain: **Operational Aspect: Crossreference and Mapping**

Example

#	Name	Documentation	Refining of Operational Story	Acting Operational Performer	Mapping To Capability
1	Search and Rescue	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 firefighters arrived. It took crews one hour to control the fire and another hour to extinguish it. One firefighter was hospitalized for exhaustion. There were no other injuries to residents or firefighters. Firefighters rescued a cat from one apartment. Half of the building is now missing a roof. Four apartments had extensive fire, smoke and water damage; the other four had smoke and water damage.			
2	Search and Rescue Process		Search and Rescue		
3	Fire Detection and Notification	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.			
4	Fire Detection and Notification Process		Fire Detection and Notification		
5	Activity				
6	Send Distress Signal			Person in Danger	
7	Receive Distress Signal			Coordination Center	Distress Signal Monitoring
8	Monitor Health			Coordination Center	Search
9	Find Victim			Surveillance Plane	Search
10	Recover Victim			Rescue Helicopter	Rescue
11	Provide Medical Assistance			Rescue Helicopter	Medical Assistance
12	Provide Emergency Care			Hospital	Medical Assistance
13	Cook (food) on a Barbecue			Day Tripper	
14	Cause Fire Ignition of combustible Materials			Fire	
15	Detect and Notify Fire			Surveillance Center	Fire Sources early Detection Fire Event Management Fire Propagation Modeling
16	Receive Fire Report			Coordination Center	

Purpose

The Operational Process Traceability Viewpoint describes the relationship(s) of Operational Process(es). The reasoning for Operational Process(es) from Operational Story(s) and their contribution to Capability(s) is described. The assignment of Operational Process(es) to Operational Performer(s) is captured.

Applicability

The Operational Process Traceability 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 scenario(s). Note:

Stakeholder

- [Acquirer](#)
- [Customer](#)
- [Supplier](#)

- [System Architect](#)

Concern

- Show in a concise manner the relationships from Operational Process to Operational Story and to Operational Performer.

Presentation

The relationship(s) of Operational Process Activity(s) to Operational Story(s) and to Operational Performer(s) are represented in a table format.

Profile Model Reference

- [SAF_OperationalCapability](#)
- [SAF_OperationalPerformer](#)
- [SAF_OperationalProcess](#)
- [SAF_OperationalProcessMapping](#)
- [SAF_OperationalProcessRefinement](#)
- [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](#)