Operational Process Traceability Viewpoint

Domain	Aspect	Maturity
Operational	Mapping & Crossreference	✅ released

Example

#	Name	Documentation	Refining OF Operational Story	Acting Operational Performer	Contributing TO Capability
1	⊟ 👁 Search and Rescue	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 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	⊟ 📁 SAR 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			🚒 Fire Truck	© Search
10	⬦ Recover Victim			🚒 Fire Truck	© Rescue
11	⬦ Provide Medical Assistance			🚒 Fire Truck	© Medical Assistance
12	⬦ Provide Emergency Care			🏥 Hospital	© Medical Assistance
13	⊟ 📁 FDN Activity				
14	⬦ Cook (food) on a Barbecue			🚶 Day Tripper	
15	⬦ Cause Fire Ignition of combustible Materials			🔥 Fire	
16	⬦ Detect and Notify Fire			📹 Surveillance Center	© Fire Event Management © Fire Sources early Detection © Fire Propagation Modeling
17	⬦ Receive Fire Report			🏢 Coordination Center	

Purpose

The Operational Process Traceability 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 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 scenarios.

Stakeholder

Concern

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

Presentation

The relationships of Operational Process Activities to Operational Stories, and to Operational Performers are represented in a table.

Profile Model Reference

- SAF_OperationalCapability
- SAF_OperationalPerformer
- SAF_OperationalProcess
- SAF_OperationalProcessContribution
- 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