



# Operational Process Traceability Viewpoint

| Domain      | Aspect                   | Maturity     |
|-------------|--------------------------|--------------|
| Operational | Mapping & Crossreference | <br>released |

## 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.<br>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.<br>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<br>Fire Event Management<br>Fire Propagation Modeling |
| 16 | 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

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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).

## Stakeholder

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## Concern

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

## Presentation

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The relationships of Operational Process Activities to Operational Storys and to Operational Performers are represented in a table format.

## Profile Model Reference

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- [SAF\\_OperationalCapability](#)
- [SAF\\_OperationalPerformer](#)
- [SAF\\_OperationalProcess](#)
- [SAF\\_OperationalProcessMapping](#)
- [SAF\\_OperationalProcessRefinement](#)
- [SAF\\_OperationalStory](#)
- [SAF\\_SOV08b\\_View](#)

## Input from other Viewpoints

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### Required Viewpoints

- [Operational Process Viewpoint](#)

### Recommended Viewpoints

- [Operational Context Definition Viewpoint](#)
- [Operational Domain Item Kind Viewpoint](#)