

Resources Traceability

Description

The Resources Traceability (Rs-Tr) domain shows the traceability between operational activities and functions that implements them. It depicts the mapping of functions to operational activities and thus identifies the transformation of an operational need into a purposeful function performed by a resource or solution.

The intended usage of the Resources Traceability (Rs-Tr) domain includes:

- Tracing functional system requirements to user requirements.
- Tracing solution options to requirements.
- Identification of overlaps or gaps.

Implementation





















The Resources Traceability (Rs-Tr) domain is represented by:

- [Functions to Operational Activities Mapping matrix.](#)
- [Resources to Operational Activities Mapping matrix.](#)
- [Resources to Capabilities Mapping matrix.](#)

Sample

Legend		Operational Processes [Model::Operational]													
↗ Implements		Find Victim.....	Monitor For Distress Signal.....	Monitor Health.....	Process Warning Order.....	Provide Medical Assistance.....	Receive Distress Signal.....	Recover Victim.....	Rescue.....	Search.....	Send Distress Signal.....	Send Warning Order.....	Transit To SAR Operation.....		
Resources Processes [Model::Resources]					1				5	4					
Apply First Aid	2								↗	↗					
Determine Destination	1			↗											
Move	2								↗	↗					
Reassure Victim	2								↗	↗					
Recover Victim	1									↗					
Rescue Victim	1								↗						
Transport	1								↗						

An example of the Functions to Operational Activities Mapping matrix

Legend	
	System To Operational Activity
	Operational Processes [Model::Operational]
	Resources Taxonomy [Model::Resources]
 Aircraft	
 Boat	
 Communication Device	
 Distress Monitoring	
 ESM System	
 Life Saving Device	
 Lighting Device	
 Link 16	
 Maritime Rescue Architecture v1	
 Maritime Rescue Architecture v2	
 Maritime Rescue Team	
 Maritime Rescue Unit v1	3 
 Maritime Rescue Unit v2	
 Maritime SAR resource architecture phase 1	
 Maritime SAR resource architecture phase 2	
 Maritime SAR resource architecture phase 3	

An example of the Resources to Operational Activities Mapping matrix

Related elements

- [Function](#)
- [Operational Activity](#)
- [Service Function](#)

Related procedures

- [Working with Functions to Operational Activities Mapping matrix](#)
- [Working with Resources to Operational Activities Mapping matrix](#)
- [Working with Resources to Capabilities Mapping matrix](#)