OV-3 Operational Resource Flow Matrix

Description

The OV-3 addresses operational Resource Flows exchanged between Operational Activities and locations.

Resource Flows provide further detail of the interoperability requirements associated with the operational capability of interest. The focus is on Resource Flows that cross the capability boundary.

The intended usage of the OV-3 includes definition of interoperability requirements.

Implementation

OV-3 can be represented using:

- OV-3 table.

#	Exchange ID	Operational Exchange Item	Sending Operational Performer	Receiving Operational Performer	Producing Operational Activity	Consuming Operational Activity
1	OE9	IE2 Task	SAR Asset Controller	Rescue Node		
2	OE8	IE5 Request	Tactical C2 Node	SAR Asset Controller		
3	OE7	IE4 Control Order	Tactical C2 Node	Search Node		
4	OE6	IE3 Track Info	Monitoring Node	Tactical C2 Node		
5	OE5	IE4 Control Order	Tactical C2 Node	Rescue Node		
6	OE4	IE7 Distress Signal	Person In Distress	Monitoring Node		
7	OE3	IE7 Distress Signal	Person In Distress	Rescue Node	Send Distress Signal	Receive Distress Signal
8	OE2	IE9 Medical Condition	Search Node	Rescue Node	Monitor Health	Recover Victim / Provide Medical Assistance
9	OE13	IE7 Distress Signal	Person In Distress	Search Node	Send Distress Signal	Receive Distress Signal
10	OE12	IE2 Task	SAR Asset Controller	Search Node		
11	OE1	IE6 Warning Order	Search Node	Place Of Safety	Send Warning Order	Process Warning Order

- OV-3 role-based table.

> (i) A role-based table represents exchanges between Operational Roles (the usages of Operational Performers).

#	Exchange ID	Operational Exchange Item	Sending Role	Sending Operational Performer	Receiving Role	Receiving Operational Performer	Producing Operational Activity	Consuming Operational Activity
1	OE1	IE6 Warning Order	Searcher	Search Node	POS	Place of Safety	Send Warning Order	Process Warning Order
2	OE2	IE9 Medical Condition	Searcher	Search Node	Rescuer	Rescue Node	Monitor Health	Recover Victim / Provide Medical Assistance
3	OE2	IE9 Medical Condition	Searcher	Search Node	Rescuer DS	Rescue Node	Monitor Health	Recover Victim / Provide Medical Assistance
4	OE2	IE9 Medical Condition	Searcher	Search Node	Rescuer NS	Rescue Node	Monitor Health	Recover Victim / Provide Medical Assistance
5	OE3	IE7 Distress Signal	Victim	Person In Distress	Rescuer	Rescue Node	Send Distress Signal	Receive Distress Signal
6	OE3	IE7 Distress Signal	Victim	Person In Distress	Rescuer NS	Rescue Node	Send Distress Signal	Receive Distress Signal
7	OE3	IE7 Distress Signal	Victim	Person In Distress	Rescuer DS	Rescue Node	Send Distress Signal	Receive Distress Signal
8	OE4	IE7 Distress Signal	Victim	Person In Distress	MN	Monitoring Node		
9	OE6	IE3 Track Info	MN	Monitoring Node	TC2N	Tactical C2 Node		
10	OE7	IE4 Control Order	TC2N	Tactical C2 Node	Searcher	Search Node		
11	OE8	IE5 Request	TC2N	Tactical C2 Node	SAR AC	SAR Asset Controller		
12	OE9	IE2 Task	SAR AC	SAR Asset Controller	Rescuer	Rescue Node		
13	OE9	IE2 Task	SAR AC	SAR Asset Controller	Rescuer DS	Rescue Node		
14	OE9	IE2 Task	SAR AC	SAR Asset Controller	Rescuer NS	Rescue Node		
15	OE12	IE2 Task	SAR AC	SAR Asset Controller	Searcher	Search Node		
16	OE13	IE7 Distress Signal	Victim	Person In Distress	Searcher	Search Node	Send Distress Signal	Receive Distress Signal

- OV-3 spreadsheet report.

Related elements

- Operational Performer
- Operational Role
- Information Element
- Operational Activity

Related procedures

- Creating OV-3 table
- Creating OV-3 role-based table
- Displaying Custom Measurements