MODAF. OV-3 Operational Information Exchange Matrix

Description

Information exchanges express the relationship across the three basic architecture data elements of an OV (operational activities, operational nodes, and information flow) with a focus on the specific aspects of the information flow and the information content.

The Information Exchanges of the OV-3 should remain at a high level of aggregation to represent actual information workflow products that are used at the operational nodes shown in the OV-2 (and not their subordinate operational nodes).

Implementation

OV-3 can be represented using:

- OV-3 table.
- OV-3 role-based table.

> ⚠️ A role-based table represents exchanges between Node Roles (node usages).

- OV-3 spreadsheet report.

Sample

| #	Operational Exchange Item	Sending Node	Receiving Node	Producing Operational Activity	Consuming Operational Activity
1	ⓘ Request	🔧 Tactical C2 Node	🔧 SAR Asset Controller		
2	ⓘ Control Order	🔧 Tactical C2 Node	🔧 Rescue Node		
3	ⓘ Control Order	🔧 Tactical C2 Node	🔧 Search Node		
4	ⓘ Warning Order	🔧 Search Node	🔧 Place Of Safety	◇ Send Warning Order	◇ Process Warning Order
5	ⓘ Medical Condition	🔧 Search Node	🔧 Rescue Node	◇ Monitor Health	◇ Provide Medical Assistance
6	ⓘ Task	🔧 SAR Asset Controller	🔧 Search Node		
7	ⓘ Task	🔧 SAR Asset Controller	🔧 Rescue Node		
8	ⓘ Distress Signal	🔧 Person In Distress	🔧 Search Node	◇ Send Distress Signal	◇ Receive Distress Signal
9	ⓘ Distress Signal	🔧 Person In Distress	🔧 Rescue Node	◇ Send Distress Signal	◇ Receive Distress Signal
10	ⓘ Distress Signal	🔧 Person In Distress	🔧 Monitoring Node		
11	ⓘ Track Info	🔧 Monitoring Node	🔧 Tactical C2 Node		

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Related views

An OV-3 is initially constructed from the information contained in the Operational Node Connectivity Description (OV-2).

Related elements

- Operational Performer
- Operational Exchange
- Information Element
- Natural Resource
- Resource Artifact
- Post
- Software
- Capability Configuration
- Organization
- Operational Activity

Related procedures

- Working with OV-3 table