

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:

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



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

- An OV-3 spreadsheet report.

Sample

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

OV-3 Operational Information Exchange Matrix

Related views

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

Related elements

- Node
- Operational Exchange
- Exchange Element
- Energy
- Materiel
- Resource Artifact
- Post
- Software
- Capability Configuration
- Organization
- Operational Activity

Related procedures

- Creating OV-3 table
- Displaying Custom Measurements