

NSV-6 Systems Data Exchange Matrix

Description

The NATO Systems Data Exchange Matrix specifies the characteristics of the system data exchanged between systems. The focus is on data crossing the system boundary. An NSV-6 focuses on the specific aspects of the system data flow and the system data content in a tabular format.

The term System Data Exchange does not refer to one NMM element. A data exchange as described in NSV-6 is a combination of a System Port Connector and the Data Elements that flow across it. Any properties shown in an NSV-6 table will be properties of the System Port Connector.

Implementation































NSV-6 can be represented using:

- NSV-6 table.
- NSV-6 role-based table.

A role-based table represents exchanges between Resource Roles(resource usages).

- NSV-6 spreadsheet report.

Sample

#	Resource Interaction Item	Sending Resource	Receiving Resource	Producing Function	Consuming Function
1	 Distress Signal	 Distress Beacon	 ESM System	 Transmit Distress Signal	 Receive Distress Signal
2	 Message	 Voice Radio	 Voice Radio	 Broadcast Message	 Receive Message
3	 TDM	 Link 16 Terminal	 Link 16	 Send TDM	 Receive TDM
4	 TDM	 Link 16	 Link 16 Terminal	 Send TDM	 Receive TDM
5	 Track	 ESM System	 Link 16 Terminal	 Send Track Information	 Receive Track Information
6	 Track	 ESM System	 Link 16	 Send Track Information	 Receive Track Information

Systems Data Exchange Matrix

Related views

NSV-6 is the physical equivalent of the logical NOV-3 table and provides detailed information on the system connections which implement the information exchanges specified in an NOV-3.

Related elements

- [Resource Artifact](#)
- [Software](#)
- [Capability Configuration](#)
- [Organization](#)
- [Post](#)
- [Data Element](#)
- [Resource Interaction Kind](#)
- [Natural Resource](#)

Related procedures

- [Adding New Resource Exchanges to NSV-6 table](#)
- [Adding Existing Resource Exchanges to NSV-6 table](#)