

SV-6 Systems Resource Flow Matrix

Description

The SV-6 specifies the characteristics of the system resource flows exchanged between system resources with emphasis on resources crossing the system boundary.

The SV-6 focuses on the specific aspects of the system resource flow and the system resource flow content in a tabular format.

The intended usage of the SV-6 includes:

- Detailed definition of resource flows.

Implementation

SV-6 can be represented using:

- SV-6 matrix.

#	Exchange ID	Resource Exchange Item	Sending System Resource	Receiving System Resource	Producing Function	Consuming Function
1	RI8	D TDM	Link 16	Link 16 Terminal	Send TDM	Receive TDM
2	RI9	D TDM	Link 16 Terminal	Link 16		
3	RI11	D Track	ESM System	Link 16	Send Track Information	Receive Track Information
4	RI12	D Track	ESM System	Link 16 Terminal	Send Track Information	Receive Track Information
5	RI13	D Message	Voice Radio	Voice Radio	Broadcast Message	Receive Message
6	RI16	D Distress Signal	Distress Beacon	ESM System	Transmit Distress Signal	Receive Distress Signal

- SV-6 role-based matrix.

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

Criteria								
Scope (optional):		Drag elements from the Model Browser		Filter:		Regular Inherited / Aggregated		
#	Exchange ID	Resource Exchange Item	Sending Role	Sending System Resource	Receiving Role	Receiving System Resource	Producing Function	Consuming Function
1	RI3	IE13 Radio Instruction	Radio	Communication Device	Communicator	MRT Communicator		
2	RI7	IE16 Life Preserver Instruction	Life Preserver	Life Saving Device	Rescue Swimmer	MRT Swimmer		
3	RI1	IE12 Boat Instruction	MR Boat	Boat	Driver	MRT Driver		
4	RI5	IE14 Beacon Instruction	Beacon	Lighting Device	Searcher	MRT Searcher		
5	RI6	IE15 Aircraft Instruction	MR Aircraft	Aircraft	Pilot	MRT Pilot		
6	RI16	IE18 Distress Signal	Signal	Distress Beacon	Monitor	ESM System	Transmit Distress Signal	Receive Distress Signal
7	RI16	IE18 Distress Signal	Signal	Distress Beacon	Monitor	ESM System	Transmit Distress Signal	Receive Distress Signal
8	RI8	IE20 TDM	Digital Service	Link 16	Digital Service	Link 16 Terminal	Send TDM	Receive TDM
9	RI12	IE22 Track	Monitor	ESM System	Digital Service	Link 16 Terminal	Send Track Information	Receive Track Information
10	RI9	IE20 TDM	Digital Service	Link 16 Terminal	Digital Service	Link 16		
11	RI11	IE22 Track	Monitor	ESM System	Digital Service	Link 16	Send Track Information	Receive Track Information
12	RI13	IE11 Message	Comm Device	Voice Radio	Comm Device	Voice Radio	Broadcast Message	Receive Message
13	RI13	IE11 Message	Comm Device	Voice Radio	Comm Device	Voice Radio	Broadcast Message	Receive Message

- SV-6 spreadsheet report.

The SV-6 is the physical equivalent of the logical OV-3 table and provides detailed information on the system connections which implement the resource flow exchanges specified in OV-3.

Related elements

- Resource Artifact
- Software
- Capability Configuration
- Organization
- Post
- Resource Exchange
- Data Element
- Natural Resource
- Geo Political Extent Type
- Function

Related procedures

- Creating SV-6 matrix
- Displaying Custom Measurements