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: Q▾   Regular   Inherited / Aggregated

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