

Resources Connectivity

Description

The Resources Connectivity (Rs-Cn) table summarizes the exchanges between resources of information, systems, personnel, natural resources, etc., and the functions that produce and consume them. Measurements can optionally be included.

The Resources Connectivity Internal diagram addresses the internal composition and interaction of systems.

The intended usage of the The Resources Connectivity (Rs-Cn) view includes:

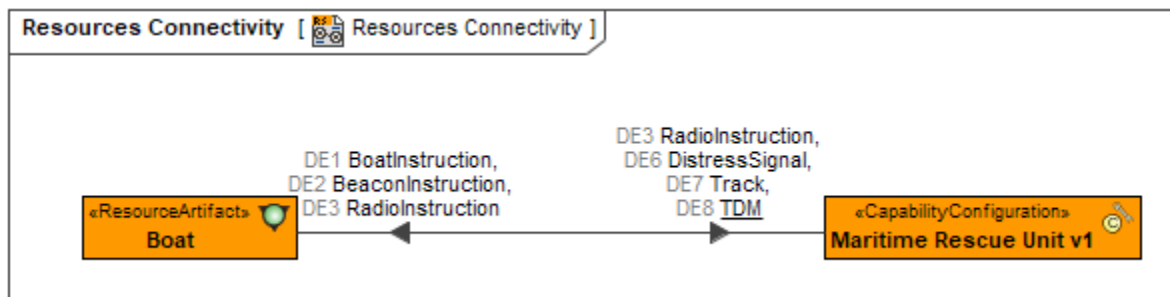
- Summarizing system resource exchanges.
- Interface management.
- Comparing interoperability characteristics of solution options.
- Detailed definition of resource flows.

Implementation

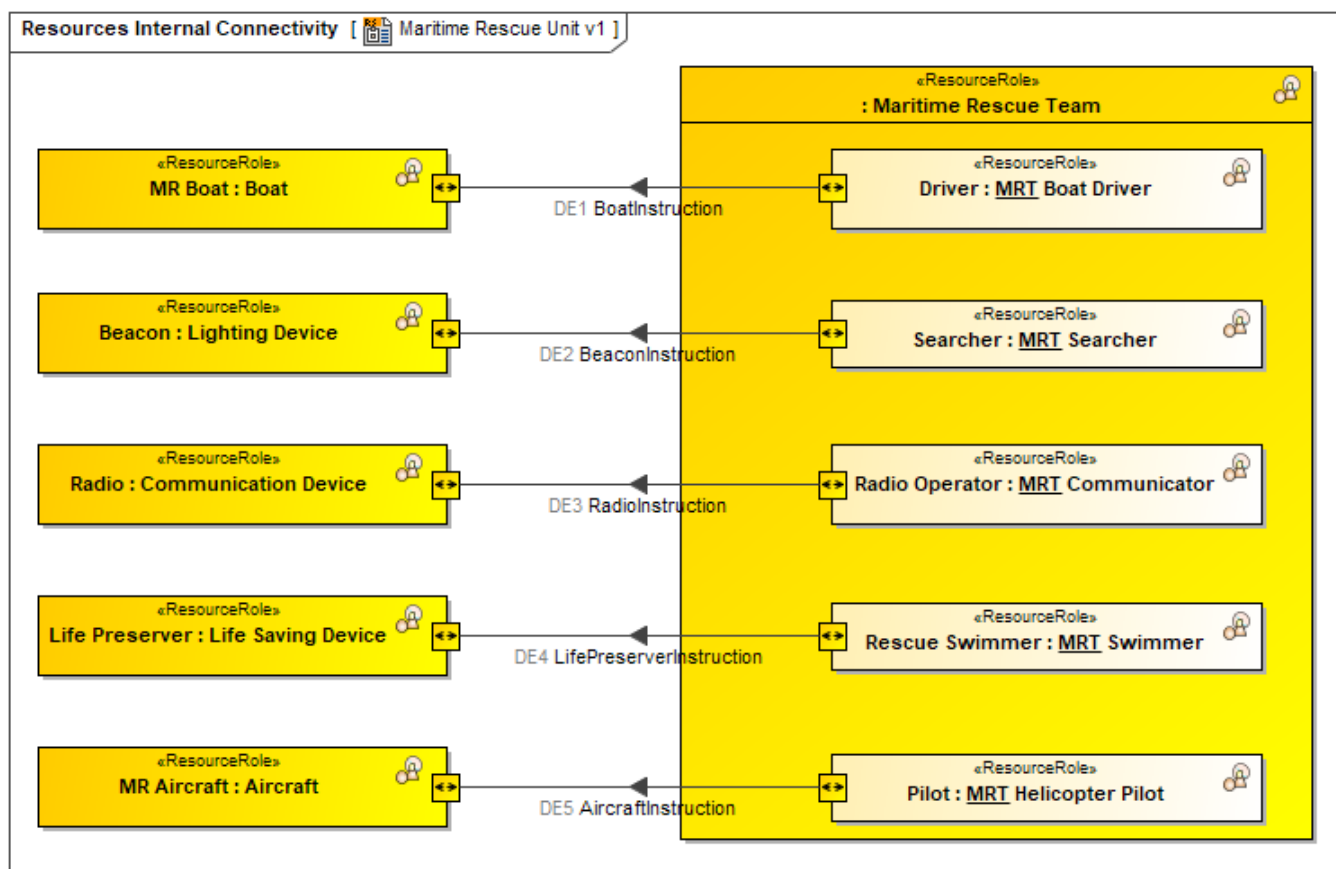
The Resources Connectivity (Rs-Cn) is represented by:

- [Resources Connectivity diagram](#)
- [Resources Internal Connectivity diagram](#).
- [Resources Connectivity matrix](#). It represents exchanges between resources.
- [Resources Role-based Connectivity table](#). It represents exchanges between Resource Roles (resource usages).
- [Resources Connectivity Table](#).
- Reports (.xlsx):
 - Resources Connectivity Table Excel Spreadsheet.
 - Resources Role-based Connectivity Table Excel Spreadsheet.

Sample



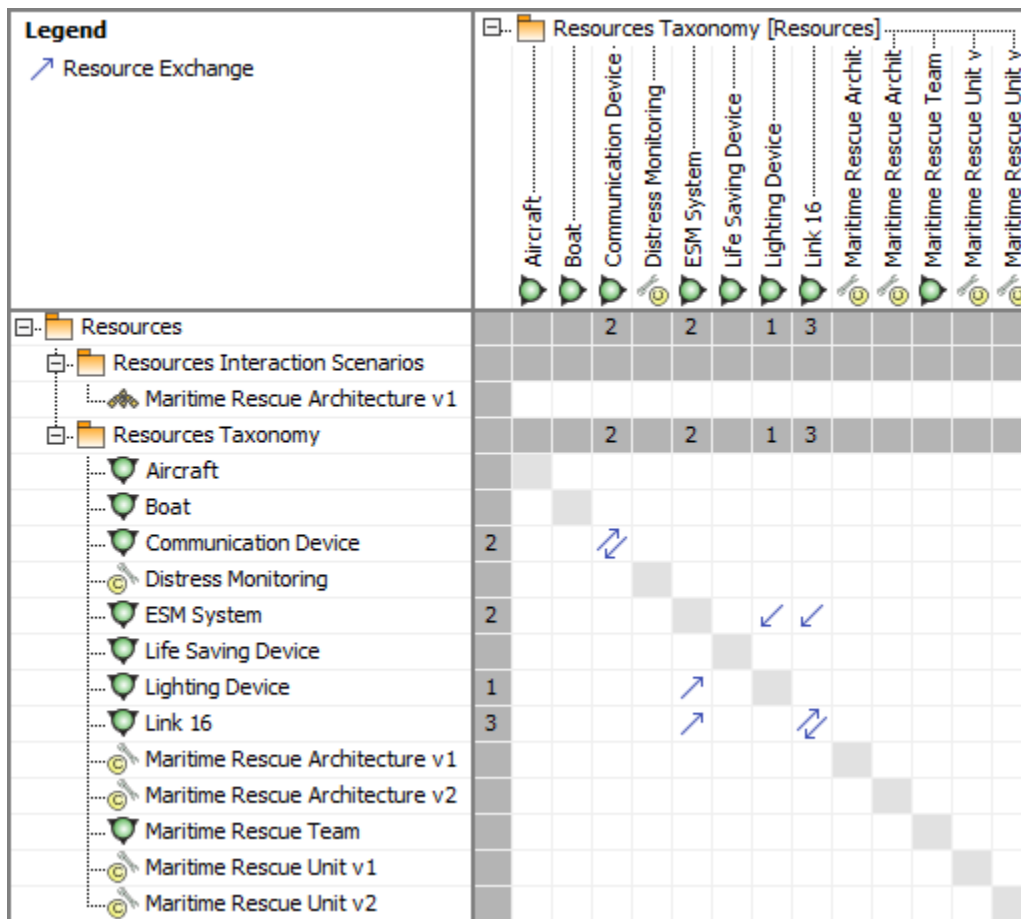
An example of the Resources Connectivity diagram



An example of the Resources Internal Connectivity diagram

#	Exchange ID	Resource Exchange Item	Sending Resource	Receiving Resource
1	RI1	[D] DE1 BoatInstruction	MRT Boat Driver	Boat
2	RI2	[D] DE2 BeaconInstruction	MRT Searcher	Lighting Device
3	RI3	[D] DE3 RadioInstruction	MRT Communicator	Communication Device
4	RI4	[D] DE4 LifePreserverInstruction	MRT Swimmer	Life Saving Device
5	RI5	[D] DE5 AircraftInstruction	MRT Helicopter Pilot	Aircraft
6	RI6	[D] DE3 RadioInstruction	Communication Device	Communication Device
7	RI7	[D] DE6 DistressSignal	Lighting Device	ESM System
8	RI8	[D] DE7 Track	Link 16	ESM System
9	RI9	[D] DE8 TDM	Link 16	Link 16

An example of the Resources Connectivity Table



An example of the resources connectivity matrix

#	Exchan ID	Resource Exchange Item	Sending Role	Sending Resource	Receiving Role	Receiving Resource
1	RI5	DE5 AircraftInstruction	Pilot : MRT Helicopte...	MRT Helicopter Pilot	MR Aircraft : Aircraft	Aircraft
2	RI1	DE1 BoatInstruction	Driver : MRT Boat Dr...	MRT Boat Driver	MR Boat : Boat	Boat
3	RI3	DE3 RadioInstruction	Radio Operator : MR...	MRT Communicator	Radio : Communicati...	Communication Device
4	RI4	DE4 LifePreserverInstruction	Rescue Swimmer : M...	MRT Swimmer	Life Preserver : Life ...	Life Saving Device
5	RI2	DE2 BeaconInstruction	Searcher : MRT Sear...	MRT Searcher	Beacon : Lighting De...	Lighting Device
6	RI8	DE7 Track	Digital Servic : Link 16	Link 16	Monitor : ESM System	ESM System
7	RI8	DE7 Track	Digital Service : Link 16	Link 16	Monitor : ESM System	ESM System
8	RI9	DE8 TDM	Digital Servic : Link 16	Link 16	Digital Service : Link 16	Link 16
9	RI9	DE8 TDM	Digital Service : Link 16	Link 16	Digital Servic : Link 16	Link 16
10	RI6	DE3 RadioInstruction	Radio : Communicati...	Communication Device	Radio : Communicati...	Communication Device
11	RI6	DE3 RadioInstruction	Radio : Communicati...	Communication Device	Radio : Communicati...	Communication Device
12	RI7	DE6 DistressSignal	Distress Beacon : Lig...	Lighting Device	Monitor : ESM System	ESM System
13	RI7	DE6 DistressSignal	Distress Beacon : Lig...	Lighting Device	Monitor : ESM System	ESM System

An example of the Resources Role-based Connectivity Table

Related elements

- Activity
- Capability Configuration
- Exchange
- Function
- Function Action
- Function Edge
- Is Capable To Perform
- Measurable Element
- Measurement

- [Measurement Set](#)
- [Natural Resource](#)
- [Organization](#)
- [Organizational Resource](#)
- [Person](#)
- [Physical Resource](#)
- [Post](#)
- [Property Set](#)
- [Resource](#)
- [Resource Architecture](#)
- [Resource Artifact](#)
- [Resource Connector](#)
- [Resource Exchange](#)
- [Resource Exchange Item](#)
- [Resource Interface](#)
- [Resource Mitigation](#)
- [Resource Performer](#)
- [Resource Port](#)
- [Resource Role](#)
- [Software](#)
- [Technology](#)

Related procedures

- [Working with Resources Connectivity diagram](#)
- [Working with Resources Internal Connectivity diagram](#)
- [Working with Resources Connectivity Table](#)
- [Working with Resources Role-based Connectivity Table](#)
- [Working with Resources Connectivity matrix](#)

- [Generating document based reports](#)
- [Resource Role Kind mapping table](#)