

MODAF. SV-1 Resource Internal Interaction Specification

Description

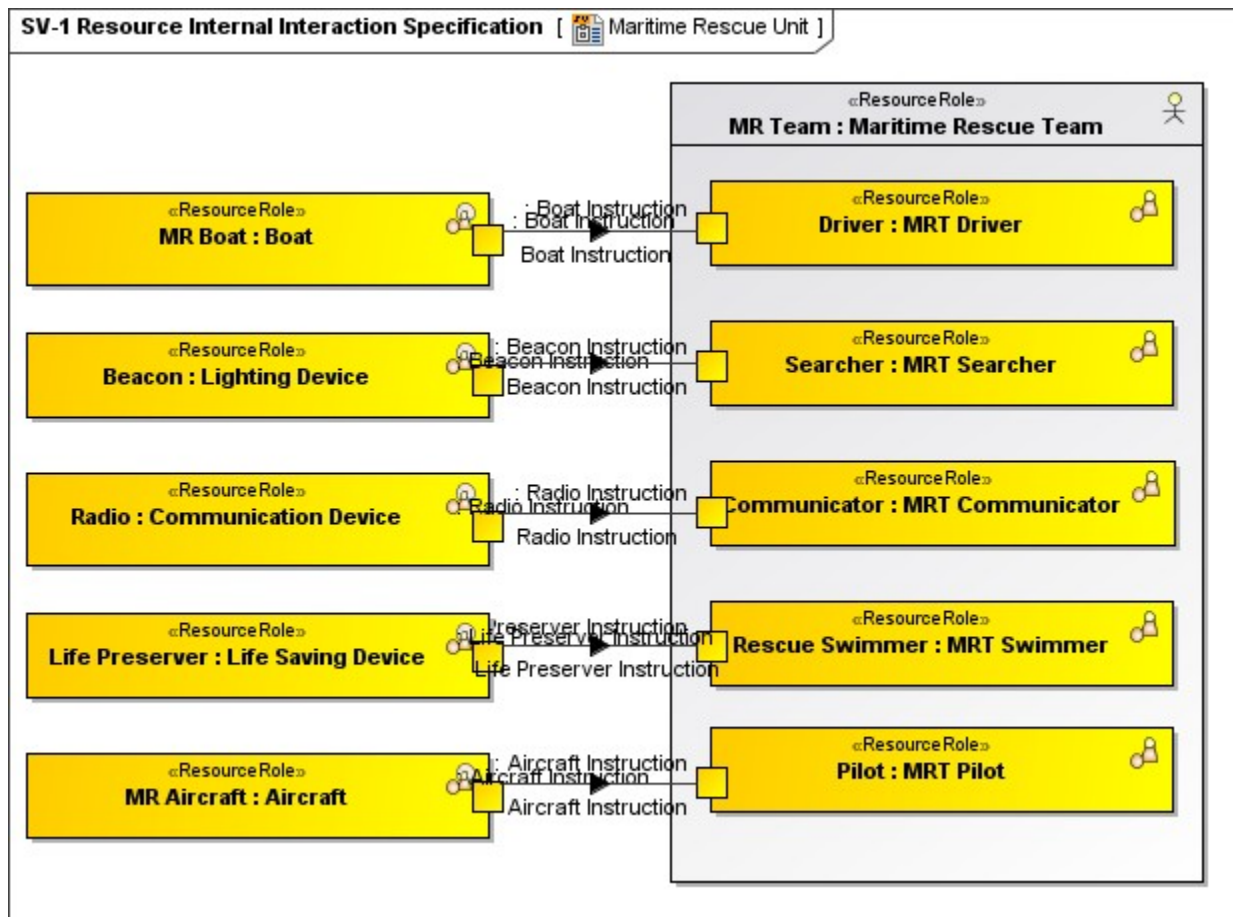
The Resource Internal Interaction Specification (SV-1) addresses the internal composition and interaction of resources.

Implementation

SV-1 can be represented using:

- SV-1 diagram which is based on the UML Class diagram.
- SV-1 diagram which is based on the UML Composite Structure diagram.
- UML Class diagram.
- UML Composite Structure diagram.
- SysML Block Definition diagram.
- SysML Internal Block diagram.

Sample



SV-1 Resource Internal Interaction Specification

Related views

An SV-1 can optionally be adorned with nodes originally specified in an OV-2. In this way, traceability can be established from the logical OV structure to the physical SV structure.

An interaction, as depicted in the SV-1, is an indicator that information passes from one resource to another. In the case of systems, this can be expanded into further detail in an SV-2. Resource Interactions are summarized in a Resource Interactions Matrix (SV-3).

The functions performed by the resources are specified in an SV-4 Resource Functionality Description, but may optionally be overlaid on the Resources in the SV-1.

An Operational View (OV) suite may specify a set of requirements – either as a specific operational plan, or a scenario for procurement. As OV-2 and OV-5 specify the logical structure and behavior, SV-1 and SV-4 specify the physical structure and behavior (to the level of detail required by the architectural stakeholders).

Related elements

- [System](#)
- [Resource Interface](#)
- [Resource Port](#)
- [Resource Connector](#)
- [Resource Port](#)
- [Resource Interaction Kind](#)

Related procedures

- [Creating MODAF SV-1 diagram](#)
- [Creating Resource Interaction in MODAF SV-1 diagram](#)