

# MODAF. SV-1 Resource Internal Interaction Specification

## Description

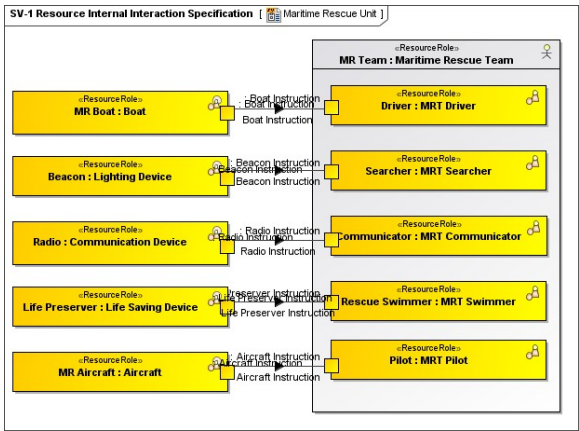
The Resource Internal Interaction Specification (SV-1) addresses the internal composition and interaction of resources.

## Implementation

SV-1 can be represented using:

- A SV-1 diagram which is based on the UML Class diagram.
- A SV-1 diagram which is based on the UML Composite Structure diagram.
- A UML Class diagram.
- A UML Composite Structure diagram.
- A SysML Block Definition diagram.
- A 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
- Service
- Request
- Resource Interaction

## Related procedures

- Creating SV-1 diagram
- Creating Resource Interaction in SV-1 diagram