

SV-1 Systems Interface Internal Description

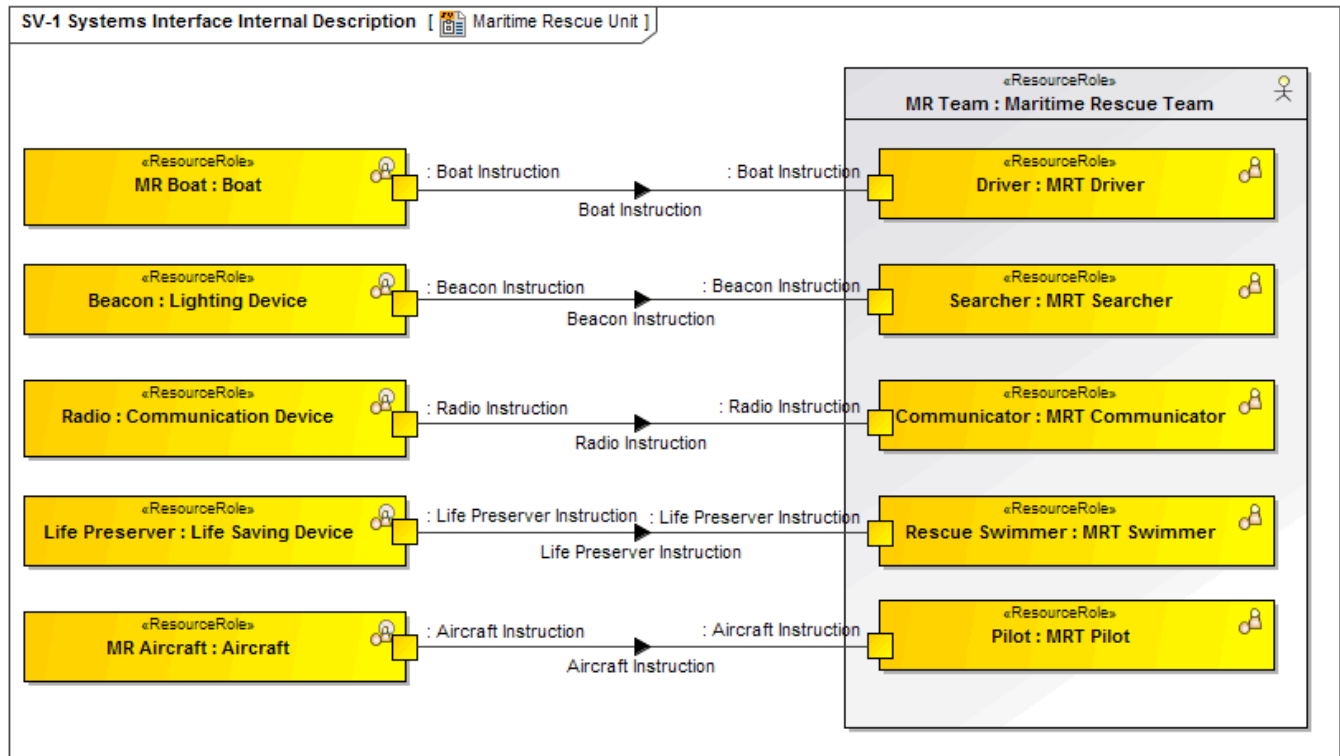
Description

The SV-1 addresses the internal composition and interaction of systems.

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.



An SV-1 can optionally be adorned with performers 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 performer to another. In the case of systems, this can be expanded into further detail in an [SV-2](#). Resource flows are summarized in a Systems-Systems Matrix ([SV-3](#)).

The system Functions performed by the Nodes are specified in an [SV-4 System Functionality Description](#), but may optionally be overlaid 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

- [Resource Role](#)
- [Resource Port](#)
- [Resource Connector](#)
- [Resource Exchange](#)

Related procedures

- [Creating SV-1 Internal diagram](#)
- [Creating Resource Exchange in SV-1 Internal diagram](#)