

SvcV-1 Services Context Description

Description

The SvcV-1 addresses the composition and interaction of services. For DoDAF V2.0, SvcV-1 incorporates human elements as types of performers - Organizations and Personnel Types.

The SvcV-1 links together the operational and services architecture models by depicting how resources are structured and interact to realize the logical architecture specified in an OV-2 Operational Resource Flow Description. A SvcV-1 may represent the realization of a requirement specified in an [OV-2 Operational Resource Flow Description](#) (i.e., in a "To-Be" Architectural Description), and so there may be many alternative SvcV models that could realize the operational requirement. Alternatively, in an "As-Is" Architectural Description, the [OV-2 Operational Resource Flow Description](#) may simply be a simplified, logical representation of the SvcV-1 to allow communication of key Resource Flows to non-technical stakeholders.

The intended usage of the SvcV-1 includes:

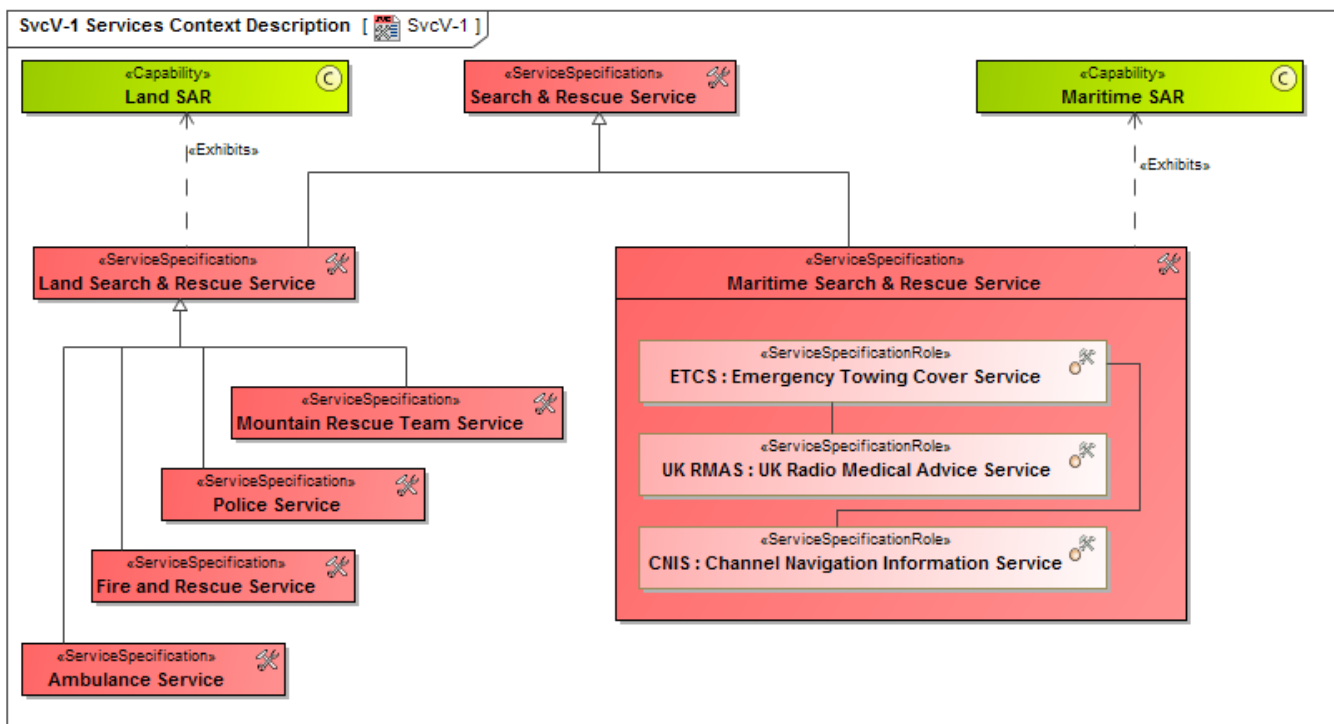
- Definition of service concepts.
- Definition of service options.
- Service Resource Flow requirements capture.
- Capability integration planning.
- Service integration management.
- Operational planning (capability and performer definition).

The SvcV-1 is used in two complementary ways:

- Describe the Resource Flows exchanged between resources in the architecture.
- Describe a solution, or solution option, in terms of the components of capability and their physical integration on platforms and other facilities.

Implementation

SvcV-1 can be represented using a SvcV-1 diagram which is based on the UML class diagram.



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Some Resources can carry out service functions (activities) as described in [SvcV-4 Services Functionality Description](#) models and these functions can optionally be overlaid on a SvcV-1.

The SvcV-1 depicts all Resource Flows between resources that are of interest. Note that Resource Flows between resources may be further specified in detail in the [SvcV-2 Services Resource Flow Description](#) model.

Related elements

- [Service](#)

- [Resource Interface](#)
- [Service Function](#)
- [Capability](#)
- [Operational Activity](#)
- [Exhibits](#)
- [Is Capable To Perform](#)
- [Resource Port](#)
- [Service Role](#)
- [Resource Artifact](#)
- [Natural Resource](#)
- [Technology](#)
- [Software](#)
- [Service Port](#)
- [Resource Port](#)
- [Post](#)
- [Person](#)
- [Organization](#)

Related procedures

- [Creating SvcV-1 diagram](#)