

SvcV-3a Systems-Services Matrix

Description

A SvcV-3a enables a quick overview of all the system-to-service resource interactions specified in one or more SvcV-1 Services Context Description models. The SvcV-3a provides a tabular summary of the system and services interactions specified in the SvcV-1 Services Context Description for the Architectural Description. This model can be useful in support existing systems that are transitioning to provide services. The matrix format supports a rapid assessment of potential commonalities and redundancies (or, if fault-tolerance is desired, the lack of redundancies).

The SvcV-3a can be organized in a number of ways to emphasize the association of system-to-service interactions in context with the architecture's purpose.

The intended usage of the SvcV-3a includes:

- Summarizing system and service resource interactions.
- Interface management.
- Comparing interoperability characteristics of solution options.

Implementation

SvcV-3a can be represented using a SvcV-3a diagram which is an editable Dependency Matrix.

	Land Rescue Unit	Naval Ship	Receiver	RN ASR Helo	RNLI Lifeboat	Signal Processor	Status Alerting	Track Interface	Transmitter	Voice Radio	Yacht
SvcV-1											
Ambulance Service											
Channel Navigation Information Service											
Emergency Towing Cover Service					X						X
Fire and Rescue Service											
Land Search & Rescue Service											
Maritime Search & Rescue Service											
Mountain Rescue Team Service											
Police Service											
Search & Rescue Service											
UK Radio Medical Advice Service											
UK Radio Weather Forecast Information Service											

The SvcV-3a provides a tabular summary of the system and services interactions specified in the [SvcV-1 Services Context Description](#). Each Resource Interaction listed in the SvcV-3a table should be traceable to Operational Exchange listed in the corresponding [OV-3 Operational Resource Flow Matrix](#). Each Resource Interaction may relate to a known Function (from [SvcV-4](#)) that produces or consumes it. Exchange Elements as well as the other type of Resource Interaction Items are exchanged by Service Providers and Service Requesters represented in [SvcV-6 table](#).

Related Pages:

- [Creating SvcV-3a matrix](#)
- [Managing SvcV-3a matrix](#)
- [Service Access](#)
- [System](#)
- [Software](#)
- [Capability Configuration](#)
- [Organization Type](#)
- [Person Type](#)
- [Resource Interaction](#)
- [Exchange Element](#)