

SvcV-7 Services Measures Matrix

Description

The SvcV-7 depicts the measures (metrics) of resources. The Services Measures Matrix expands on the information presented in a SvcV-1 Services Context Description by depicting the characteristics of the resources in the SvcV-1 Services Context Description.

In addition, this model is useful in support of net-centric (service-oriented) implementation of services. Service measures for Service Level Agreements for each service and may include number of service consumers, service usage by consumers, and the minimum, average and maximum response times, allowed down time, etc. Measures of interest for a Chief Information Office or Program manager may include measures that assess service reuse, process efficiency, and business agility.

The intended usage of the SvcV-7 includes:

- Definition of performance characteristics and measures (metrics).
- Identification of non-functional requirements.

Implementation

SvcV-7 can be represented using:

- A SvcV-7 typical measures table.

| # | Measure Type | Measurement | Service Access |
|---|---------------------------|--|--|
| 1 | Standard SAR Measurements | <div><div>findTime : hour</div><div>persistence : hour</div><div>searchCoverage : m</div><div>weatherConditions : String</div></div> | <div><div>Search & Rescue Service</div></div> |
| 2 | Maritime SAR Measurements | <div><div>seaConditions : String</div></div> | <div><div>Maritime Search & Rescue Service</div></div> |
| 3 | Land SAR Measurements | <div><div>terrainType : String</div></div> | <div><div>Land Search & Rescue Service</div></div> |

- A SvcV-7 actual measures table.

| # | Service Access | Performance Requirement | Measure | Metric | Intention |
|---|--|-------------------------|---------|------------------------------|-----------|
| 1 | <div><div>Maritime Search & Rescue Service</div></div> | seaConditions | popple | <div><div>String</div></div> | Actual |
| 2 | <div><div>Search & Rescue Service</div></div> | weatherConditions | cloudy | <div><div>String</div></div> | Actual |
| 3 | <div><div>Search & Rescue Service</div></div> | searchCoverage | 140000 | <div><div>m</div></div> | Estimate |
| 4 | <div><div>Search & Rescue Service</div></div> | persistence | 48 | <div><div>hour</div></div> | Required |
| 5 | <div><div>Search & Rescue Service</div></div> | findTime | 24 | <div><div>hour</div></div> | Required |
| 6 | <div><div>Land Search & Rescue Service</div></div> | terrainType | land | <div><div>String</div></div> | Required |

- A SvcV-7 actual measures spreadsheet report.

Related procedures

- [Creating SvcV-7 Typical table](#)
- [Creating SvcV-7 Actual table](#)
- [Generating SvcV-7 Actual table from SvcV-7 Typical table](#)
- [Generating document based reports](#)

Related elements

- Service Access
- Measure Type
- Actual Property
- Measure
- Measurement