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.
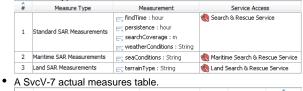
The intended usage of the SvcV-7 includes:

- 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	findTime : hour persistence : hour searchCoverage : m weatherConditions : String	Search & Rescue Service
2	Maritime SAR Measurements	seaConditions : String	Maritime Search & Rescue Service
3	Land SAR Measurements	terrainType : String	Land Search & Rescue Service

- A SvcV-7 actual measures table.

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

- A SvcV-7 actual measures spreadsheet report.

Related elements

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