SV-7 Systems Measures Matrix

Description

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

The intended usage of the SV-7 includes:

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

Implementation

SV-7 can be represented using:

- A SV-7 typical measures table.

#	Measure Type	Measurement	Resource
1	Voice Radio Transmitter Measurements	Transmission Rate : GB	Transmitter
2	Voice Radio Receiver Measurements	Gain : dB Signal To Noise Ratio : dB	Receiver
3	Signal Processor Measurements	Comms Channel Bandwidth Support : GB	Signal Processor
4	Status Alerting Measurements	Min. Status Change Alert Accuracy : meters Min. Alert Response Time : seconds	Status Alerting

- A SV-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 SV-7 actual measures spreadsheet report.

The Systems Measures Matrix expands on the information presented in SV-1 by depicting the characteristics of the Systems and other Resources shown in the SV-1. The Systems Measures Matrix expands on the information presented in SV-2 by depicting the characteristics of the Systems shown in the SV-2.

Related elements

- System
- Software
- Capability Configuration
- Organization Type
- Person Type
- Measure Type
- Measure
- Measurement
- Actual Property