

# 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 an 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:

- SV-7 Typical measures table

#	Property Set	Measurements
1	 Status Alerting	 Status Alerting Measurements : Status Alerting Measurements [*]
2	 Signal Processor	 Signal Processor Measurements : Signal Processor Measurements [*]
3	 Transmitter	 Voice Radio Transmitter Measurements : Voice Radio Transmitter Measurements [*]
4	 Receiver	 Voice Radio Receiver Measurements : Voice Radio Receiver Measurements [*]

- [Hierarchical Typical Measurements table](#)
- [Hierarchical Actual Measurements table](#)
- SV-7 Actual measures table

#	Property Set	Performance Requirement	Measure	Metric
1	 Receiver	Signal To Noise Ratio	20	 dB
2	 Receiver	Gain	60	 dB
3	 Signal Processor	Comms Channel Bandwidth Support	2	 GB
4	 Status Alerting	Min. Alert Response Time	30	 seconds
5	 Status Alerting	Min. Status Change Alert Accuracy	500	 meters
6	 Transmitter	Transmission Rate	2	 GB

- 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

- [Resource Artifact](#)
- [Software](#)
- [Capability Configuration](#)
- [Organization](#)
- [Post](#)
- [Measurement Set](#)
- [Actual Measurement Set](#)
- [Measurement](#)
- [Actual Measurement](#)

## Related procedures

- [Working with Typical Measurements table](#)
- [Creating Actual Measurements table](#)
- [Working with hierarchical Typical Measurements table](#)
- [Working with hierarchical Actual Measurements table](#)
- [Generating an Actual Measurements table from a Typical Measurements table](#)
- [Generating document based reports](#)