

# 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:

- 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 [*]       |

- 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

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