

NSV-7 System Typical Quality Requirements Description

Description

The NSV-7 is the System Typical Quality Requirements Matrix and depicts the performance characteristics of a Functional Resource (system, role, or capability configuration). The System Typical Quality Requirements Matrix expands on the information presented in an NSV-1 by depicting the characteristics of the Functional Resources shown in the NSV-1. The System Typical Quality Requirements Matrix View specifies qualitative and quantitative characteristics of functional resources and the performance parameters of each resource. The performance parameters are selected by the architect and end user community.

Implementation

NSV-7 can be represented using:

- NSV-7 typical parameters table
- NSV-7 actual parameters table
- [Hierarchical Typical Measurements table](#)
- [Hierarchical Actual Measurements table](#)
- NSV-7 actual parameters spreadsheet report

Sample

Add New Add Existing Remove Delete Up Down Export Show Full Types			
#	Measurement Set	Measure	Resource
1	Voice Radio Transmitter Measurements	-Transmission Rate : GB	Transmitter
2	Voice Radio Receiver Measurements	-Gain : dB -Signal To Noise Ratio : dB	Receiver
3	Status Alerting Measurements	-Min. Status Change Alert Accuracy : meters -Min. Alert Response Time : seconds	Status Alerting
4	Signal Processor Measurements	-Comms Channel Bandwidth Support : GB	Signal Processor

NSV-7 Typical table

Add New Add Existing Remove Up Down Add Missing Actual Measurements				
#	Resource	Performance Requirement	Measure	Metric
1	Receiver	Gain	60	dB
2	Status Alerting	Min. Status Change Alert Accuracy	500	meters
3	Status Alerting	Min. Alert Response Time	30	seconds
4	Receiver	Signal To Noise Ratio	20	dB
5	Transmitter	Transmission Rate	2	GB
6	Signal Processor	Comms Channel Bandwidth Support	2	GB

NSV-7 Actual table

Related views

- [NSV-1 System Interface Description](#). The Resource Performance Parameters Matrix expands on the information presented in an NSV-1 by depicting the characteristics of the Resources shown in the NSV-1.
- [NSV-2 System Communications Description](#). NSV-7 expands on the information presented in an NSV-2 by depicting the characteristics of the Resources shown in the NSV-2.

Related elements

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