

SV-3 Systems-Systems Matrix

Description

A SV-3 enables a quick overview of all the system resource interactions specified in one or more [SV-1 Systems Interface Description](#) models. The SV-3 provides a tabular summary of the system interactions specified in the [SV-1 Systems Interface Description](#) model for the Architectural Description. The matrix format supports a rapid assessment of potential commonalities and redundancies (or, if fault-tolerance is desired, the lack of redundancies).

The SV-3 can be organized in a number of ways to emphasize the association of groups of system pairs in context with the architecture's purpose.

The intended usage of the SV-3 includes:

- Summarizing system resource interactions.
- Interface management.
- Comparing interoperability characteristics of solution options.

Implementation

SV-3 can be represented using a SV-3 diagram which is an editable Dependency Matrix. The SV-3 matrix consists of as much rows and columns as there are Systems in the matrix data source.

	Distress Beacon	ESM System	Frequency Scanner	Link 16	Link 16 Terminal	RN ASR Helo	RNLI Lifeboat	Voice Radio	Yacht
Distress Beacon									
ESM System									
Frequency Scanner									
Link 16									
Link 16 Terminal									
RN ASR Helo									
RNLI Lifeboat									
Voice Radio									
Yacht									

The [SV-1](#) concentrates on System resources and their interactions, and these are summarized in a SV-3.

Related elements

- System
- Software
- Capability Configuration
- Organization Type
- Person Type
- Resource Interaction
- Exchange Element
- Energy
- Geo Political Extent Type

Related procedures

- [Creating SV-3 matrix](#)
- [Managing SV-3 matrix](#)