

# Service Channels Summary Matrix

## Description

A Service Channel Summary matrix enables a quick overview of all the service interactions specified in one or more OV and SV models. The matrix format supports a rapid assessment of potential commonalities and redundancies (or, if fault-tolerance is desired, the lack of redundancies). In addition, this model is useful in support of net-centric (service-oriented) implementation of services.

The Service Channel Summary Matrix can be organized in a number of ways to emphasize the association of service pairs in context with the architecture's purpose. One type of organization is a Service Hierarchy or Taxonomy of Services.

The intended usage of the Service Channel Summary Matrix includes:

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

## Implementation

Service Channel Summary Matrix can be represented using a Service Channel Summary Matrix diagram which is an editable Dependency Matrix.

## Sample

|                  | Frequency Scanner | Link 16 | Link 16 Terminal | Monitor Unit | Naval Ship | Receiver | RN ASR Helo | RNLI Lifeboat | Signal Processor | Status Alerting | Track Interface | Transmitter | Voice Radio | Yacht |
|------------------|-------------------|---------|------------------|--------------|------------|----------|-------------|---------------|------------------|-----------------|-----------------|-------------|-------------|-------|
| SV-2             |                   |         |                  |              |            |          |             |               |                  |                 |                 |             |             |       |
| Link 16          |                   |         |                  |              |            |          |             |               |                  |                 |                 |             |             |       |
| Link 16 Terminal |                   |         |                  |              |            |          |             |               |                  |                 |                 |             |             |       |
| Monitor Unit     |                   |         |                  |              |            |          |             |               |                  |                 |                 |             |             |       |
| Naval Ship       |                   |         |                  |              |            |          |             |               |                  |                 |                 |             |             |       |
| Receiver         |                   |         |                  |              |            |          |             |               |                  |                 |                 |             |             |       |
| RN ASR Helo      |                   |         |                  |              |            |          |             |               |                  |                 |                 |             |             |       |
| RNLI Lifeboat    |                   |         |                  |              |            |          |             |               |                  |                 |                 |             |             |       |
| Signal Processor |                   |         |                  |              |            |          |             |               |                  |                 |                 |             |             |       |
| Status Alerting  |                   |         |                  |              |            |          |             |               |                  |                 |                 |             |             |       |
| Track Interface  |                   |         |                  |              |            |          |             |               |                  |                 |                 |             |             |       |
| Transmitter      |                   |         |                  |              |            |          |             |               |                  |                 |                 |             |             |       |
| Voice Radio      |                   |         |                  |              |            |          |             |               |                  |                 |                 |             |             |       |
| Yacht            |                   |         |                  |              |            |          |             |               |                  |                 |                 |             |             |       |

Related elements

- Service Channel
- Service Interface
- Service
- Request
- System
- Materiel
- Post

Related procedures

- [Creating Service Channel Summary Matrix](#)