

# P1 Resource Types

## Description

The P1 Resource Types view specifies the types of Resources, Technology and Competences required for the architecture. It can also be used to specify properties of Resources. This view collects together all the Resource Types in the architecture. It can also be used to identify Technologies and Competences and map these to resource types. Technologies and Competences can also be set against a timeline indicating when they are expected to be in use.

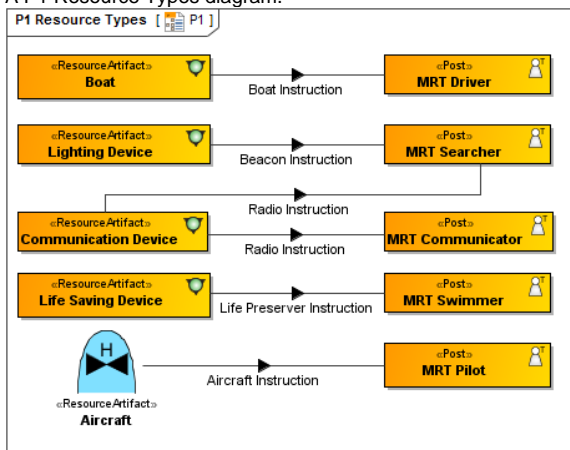
The P1 view may be used for:

- Identifying Resource Taxonomies.
- Forecasting technology readiness against time.
- HR trends analysis.
- Recruitment planning.
- Planning technology insertion.
- Input to options analysis.
- Definition of performance characteristics.
- Identification of non-functional requirements (input to SRD).

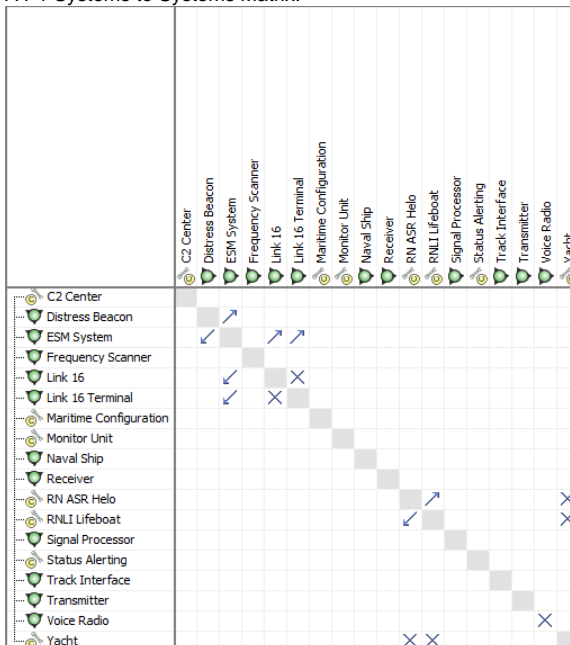
## Implementation

The P1 view can be represented using:

- A P1 Resource Types diagram.



- A P1 Systems to Systems Matrix.
















## Related procedures

- [Creating P1 Resource Types diagram](#)
- [Creating Resource Interaction in P1 diagram](#)
- [Creating P1 Resource Types Typical Quality Requirements table](#)
- [Creating P1 Resource Types Actual Quality Requirements table](#)
- [Generating P1 Actual table from P1 Typical table](#)
- [Creating P1 Systems to Systems Matrix](#)
- [Creating P1 Technology Forecast table](#)
- [Creating P1 Service Provision matrix](#)
- [Generating document based reports](#)

- | Criteria                                                                                                                    |                                      |                                                                                  |                  |
|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------|----------------------------------------------------------------------------------|------------------|
| Scope (optional): <input type="text" value="Drag elements from the Model Browser"/> Filter: <input type="text" value="Q_"/> |                                      |                                                                                  |                  |
| #                                                                                                                           | Measurement Set                      | Measurement                                                                      | Resource         |
| 1                                                                                                                           | Signal Processor Measurements        | Comms Channel Bandwidth Support : GB                                             | Signal Processor |
| 2                                                                                                                           | Status Alerting Measurements         | Min. Status Change Alert Accuracy : meters<br>Min. Alert Response Time : seconds | Status Alerting  |
| 3                                                                                                                           | Voice Radio Receiver Measurements    | Gain : dB<br>Signal To Noise Ratio : dB                                          | Receiver         |
| 4                                                                                                                           | Voice Radio Transmitter Measurements | Transmission Rate : GB                                                           | Transmitter      |

- | Criteria          |                  |                                   |         |         |
|-------------------|------------------|-----------------------------------|---------|---------|
| Scope (optional): |                  | Filter:                           |         |         |
| #                 | Resource         | Performance Requirement           | Measure | Metric  |
| 1                 | Receiver         | Gain                              | 60      | dB      |
| 2                 | Receiver         | Signal To Noise Ratio             | 20      | dB      |
| 3                 | Signal Processor | Comms Channel Bandwidth Support   | 2       | GB      |
| 4                 | Status Alerting  | Min. Status Change Alert Accuracy | 500     | meters  |
| 5                 | Status Alerting  | Min. Alert Response Time          | 30      | seconds |
| 6                 | Transmitter      | Transmission Rate                 | 2       | GB      |

- | Criteria          |                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Scope (optional): |                                                                                                                                | Filter: <input type="text" value="Q-"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| #                 | Technology area                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 1                 |  Helicopter                                   | <div>  From: 2008-04-16<br/>To: 2009-04-16           </div> <div>  Skorsky S-61           </div>                                                                                                                                                                                                                                                                                                                   |
| 2                 |  Maritime Rescue Coordination Center Software | <div>  From: 2009-04-16<br/>To: 2010-04-16           </div> <div>  Augusta Westland 139<br/>  Sikorsky S92A           </div>                                                                                                                                                                                                      |
| 3                 |  Compas-Sarsat System Standard                | <div>  Beacon alert 243 MHz<br/>  Beacon alert 406 MHz<br/>  Beacon alert 121.5 MHz           </div> <div>  Airwave<br/>  Beacon alert 406 MHz           </div> |

- [illegible]

- Resource Artifact
- Software
- Capability Configuration
- Organization
- Post
- Resource Role
- Resource Interface
- Resource Port
- Resource Connector
- Capability
- Exhibits
- Fielded Capability
- Service
- Service Interface
- Request
- Resource Interaction
- Control
- Exchange Element
- Energy
- Material
- Measurement Set
- Measurement

- Actual Measurement
- Actual Property Set
- Forecast
- Protocol
- Standard