# P1 Resource Types

## Description

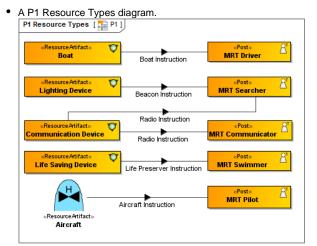
The P1 Resource Types view specifies the types of Resources, Technology and Competences required for the architecture. It can also be used to specify properties of Resources. This view collects together all the Resource Types in the architecture. It can also be used to identify Technologies and Competences 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 Systems to Systems Matrix.

	S C2 Center	<b>V</b> Distress Beacon	ESM System	Frequency Scanner	Uink 16	Uink 16 Terminal	Maritime Configuration	S Monitor Unit	🗸 Naval Ship	C Receiver	💣 RN ASR Helo	💣 RNLI Lifeboat	Signal Processor	Status Alerting	🗸 Track Interface	Transmitter	🗸 Voice Radio	🔊 Yacht
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RNLI Lifeboat     Signal Processor											2							~
Status Alerting																		
Track Interface																		
Transmitter																		
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### **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

• A P1 Resource Types Typical Quality Requirements table.

Sco	pe (optional): Drag elements from the Mo	del Browser Filter: Q					
#	Measurement Set	Measurement	Resource				
1	Signal Processor Measurements	⊨ Comms Channel Bandwidth Support : GB	V Signal Processor				
2	Status Alerting Measurements	⊨ Min. Status Change Alert Accuracy : meters ⊨ Min. Alert Response Time : seconds	🔊 Status Alerting				
3	Voice Radio Receiver Measurements	⊨ Gain : dB ⊨ Signal To Noise Ratio : dB	Treceiver Receiver				
4	Voice Radio Transmitter Measurements	⊨ Transmission Rate : GB	Transmitter				

• A P1 Resource Types Actual Quality Requirements table.

Criteria
Scope (optional): Drag elements from the Model Browser
....
Filter: Q.v

ŧ	Resource	Performance Requirement	Measure	Metric				
	V Receiver	Gain	60	🔟 dB				
2	V Receiver	Signal To Noise Ratio	20	🔟 dB				
3	V 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				
5	Transmitter	Transmission Rate	2	GB GB				

• A P1 Resource Types Technology Forecast table.

Sco	pe (optional): Drag elements from the Model Browser	Filter: Q	
#	Technology area	From: 2008-04-16 To: 2009-04-16	From: 2009-04-16 To: 2010-04-16
1	THelicopter	V Sikorsky S-61	V Augusta Westland 139 V Sikorsky S92A
2	<ul> <li>Maritime Rescue Coordination Center Software</li> </ul>		<ul> <li>Airwave</li> </ul>
3	又音 中間 Compas-Sarsat System Standard	표현 Beacon alert 243 MHz 등합 Beacon alert 406 MHz 등합 Beacon alert 406 MHz 등합 Beacon alert 121.5 MHz	្ត្រី Beacon alert 406 MHz

• A P1 Resource Types Service Provision which is an editable Dependency Matrix. The Service In terfaces are used as the row elements and the Resources are used as the column elements.

lect Row Scope: S1								Sele	ect C	olum	n Sc	ope	: P:													
	🔒 Arcraft [Physical Resource::P1]	<ul> <li>Airware [Physical Resource::P1]</li> </ul>	Augusta Westland 139 [Physical Resource::P1]	C Boat [Physical Resource::P1]	Channel Navigation Information Center [Piny	Communication Device [Physical Resource::P1]	Compas-Sarsat System [Physical Resource::P1]	Fixed Wing Aircraft [Physical Resource::P1]	Heikopter [Physical Resource::P1]	Land Rescue Unit [Physical Resource::P1]	V Life Saving Device [Physical Resource::P1]	C Lighting Device [Physical Resource::P1]	Maritime Rescue Coordination Center Softwa	🎉 Maritime Rescue Team [Physical Resource::P1]	S Markime Rescue Unit [Physical Resource::P1]	Markime Rescue Unit Day Shift [Physical Res	Markime Rescue Unit Night Shift (Physical Re	Maritime Rescue Unit Night Shift Extreme [Ph	S Marktime Rescue Unit Night Shift Fast [Physic	🔊 Markime Rescue Unit V2 [Physical Resource::	MRT Communicator [Physical Resource::P1]	A MRT Driver [Physical Resource::P1]	All MRT Plot [Physical Resource::P1]	MRT Searcher [Physical Resource::P1]	A MRT Swimmer [Physical Resource::P1]	C Skonsky S-61 [Physical Resource::P1]
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🛠 Channel Navigation Information Service				244		]些																				
- 🔆 Emergency Towing Cover Service				]些																						
🔆 Fire and Rescue Service														[二												
🎊 Land Search & Rescue Service																										
- 🔆 Maritime Search & Rescue Service																										
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- 1 Monitor																										
- Mountain Rescue Team Service																										
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- Search & Rescue Service																										
- K Radio Medical Advice Service														192												
K Radio Weather Forecast Information Service														-												

#### **Related elements**

- 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
- Materiel
- Measurement Set
- Measurement

- Actual Measurement
  Actual Property Set
  Forecast

- ProtocolStandard