

# P3 Resource Connectivity

## Description

The P3 Resource Connectivity view describes communications networks and pathways that link communications systems, and provides details regarding their configuration. The purpose of P3 view is to provide a comprehensive specification of how systems are connected, what interfaces each system exposes (ports), the hardware interface used and the protocols transmitted across the interface.

The networks and pathways documented through these views represent the physical implementation of the information needlines identified in an [L2 - Logical Scenario](#) or [L3 - Node Interactions](#) view.

The P3 view focuses on the physical characteristics of each link by specifying attributes. An example of this might be the geographic location and layout of network components such as routers, switches, amplifiers and repeaters.

## Implementation

The P3 view can be represented using:

- P3 Resource Connectivity table.

Criteria						
Scope (optional):		Drag elements from the Model Browser	...	Filter:	Q-	
#	Interaction ID	Resource Interaction Item	Sending Resource	Receiving Resource	Producing Function	Consuming Function
1	RI6	IE17 Distress Signal	Distress Beacon	ESM System	Transmit Distress Signal	Receive Distress Signal
2	RI7	IE19 TDM	Link 16	Link 16 Terminal	Send TDM	Receive TDM
3	RI8	IE21 Track	ESM System	Link 16 Terminal	Send Track Information	Receive Track Information
4	RI9	IE19 TDM	Link 16 Terminal	Link 16		
5	RI10	IE21 Track	ESM System	Link 16	Send Track Information	Receive Track Information
6	RI11	IE10 Message	Voice Radio	Voice Radio	Broadcast Message	Receive Message

- P3 Resource Role Connectivity table.

Resource Role Connectivity table:									
Criteria									
Scope (optional):		Drag elements from the Model Browser		Filter:		<div><div></div> Regular <div></div> Inherited / Aggregated</div>			
#	Interaction ID	Interaction Name	Resource Interaction Item	Sending Role	Sending Resource	Receiving Role	Receiving Resource	Producing Function	Consuming Function
1	R11	flow for Radio Instruction	IE12 Radio Instruction	Radio	Communication Device	Communicator	MRT Communicator		
2	R12	flow for Life Preserver Instruction	IE15 Life Preserver Instruction	Life Preserver	Life Saving Device	Rescue Swimmer	MRT Swimmer		
3	R13	flow for Boat Instruction	IE11 Boat Instruction	MR Boat	Boat	Driver	MRT Driver		
4	R14	flow for Beacon Instruction	IE13 Beacon Instruction	Beacon	Lighting Device	Searcher	MRT Searcher		
5	R15	flow for Aircraft Instruction	IE14 Aircraft Instruction	MR Aircraft	Aircraft	Pilot	MRT Pilot		
6	R16	flow for Distress Signal	IE17 Distress Signal	Signal	Distress Beacon	Monitor	ESM System	Transmit Distress Signal	Receive Distress Signal
7	R16	flow for Distress Signal	IE17 Distress Signal	Signal	Distress Beacon	Monitor	ESM System	Transmit Distress Signal	Receive Distress Signal
8	R17	flow for TDM	IE19 TDM	Digital Service	Link 16	Digital Service	Link 16 Terminal	Send TDM	Receive TDM
9	R18	flow for Track	IE21 Track	Monitor	ESM System	Digital Service	Link 16 Terminal	Send Track Information	Receive Track Information
10	R19	flow for TDM	IE19 TDM	Digital Service	Link 16 Terminal	Digital Service	Link 16		
11	R110	flow for Track	IE21 Track	Monitor	ESM System	Digital Service	Link 16	Send Track Information	Receive Track Information
12	R111	flow for Message	IE10 Message	Comm Device	Voice Radio	Comm Device	Voice Radio	Broadcast Message	Receive Message
13	R111	flow for Message	IE10 Message	Comm Device	Voice Radio	Comm Device	Voice Radio	Broadcast Message	Receive Message

- P3 spreadsheet report.

## Related elements

- [Resource Artifact](#)
- [Software](#)
- [Capability Configuration](#)
- [Organization](#)
- [Post](#)
- [Data Element](#)
- [Resource Exchange](#)
- [Natural Resource](#)
- [Resource Artifact](#)
- [Function](#)
- [Resource Role](#)

## Related procedures

- [Creating P3 table](#)