

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:

- A P3 Resource Connectivity table.

Criteria					
Scope (optional): <input type="text"/> Drag elements from the Model Browser <input type="button" value="Go"/> Filter: <input type="text" value="Q:"/>					
#	Interaction ID	Resource Interaction Item	Sending Resource	Receiving Resource	Producing Function
1	R16	IE17 Distress Signal	Distress Beacon	ESM System	Transmit Distress Signal
2	R17	IE19 TDM	Link 16	Link 16 Terminal	Send TDM
3	R18	IE21 Track	ESM System	Link 16 Terminal	Send Track Information
4	R19	IE19 TDM	Link 16 Terminal	Link 16	Send Track Information
5	R110	IE21 Track	ESM System	Link 16	Send Track Information
6	R111	IE10 Message	Voice Radio	Voice Radio	Broadcast Message
Consuming Function					
Receive Distress Signal					
Receive TDM					
Receive Track Information					
Receive Track Information					
Receive Track Information					
Receive Message					

- A P3 Resource Role Connectivity table.

Criteria									
Scope (optional): <input type="text"/> Drag elements from the Model Browser <input type="button" value="Go"/> Filter: <input type="text" value="Q:"/> <input type="button" value="Single"/> <input type="button" value="Inherited"/> <input type="button" value="Aggregated"/>									
#	Interaction ID	Interaction Name	Resource Interaction Item	Sending Role	Sending Resource	Receiving Role	Receiving Resource	Producing Function	Consuming Function
1	R1	Req for Radio Instruction	IE1 Radio Instruction	Radio	Communication Device	Communicator	NET Communicator		
2	R2	Req for Life Preserver Instruction	IE1 Life Preserver Instruction	Life Preserver	Life Saving Device	Rescue Diver	NET Diver		
3	R3	Req for Boat Instruction	IE1 Boat Instruction	Boat	Boat	Driver	NET Driver		
4	R4	Req for Beacon Instruction	IE1 Beacon Instruction	Beacon	Lighting Device	Searcher	NET Searcher		
5	R5	Req for Aircraft Instruction	IE1 Aircraft Instruction	Aircraft	Aircraft	Pilot	NET Pilot		
6	R6	Req for Distress Signal	IE1 Distress Signal	Signal	Distress Beacon	Monitor	ESM System	Transmit Distress Signal	Receive Distress Signal
7	R7	Req for Distress Signal	IE1 Distress Signal	Signal	Distress Beacon	Monitor	ESM System	Transmit Distress Signal	Receive Distress Signal
8	R8	Req for TDM	IE1 TDM	Digital Service	Link 16	Digital Service	Link 16 Terminal	Send TDM	Receive TDM
9	R9	Req for Track	IE1 Track	Monitor	ESM System	Digital Service	Link 16 Terminal	Send Track Information	Receive Track Information
10	R10	Req for TDM	IE1 TDM	Digital Service	Link 16 Terminal	Digital Service	Link 16	Send Track Information	Receive Track Information
11	R11	Req for Track	IE1 Track	Monitor	ESM System	Digital Service	Link 16	Send Track Information	Receive Track Information
12	R12	Req for Message	IE1 Message	Comms Device	Voice Radio	Comms Device	Voice Radio	Broadcast Message	Receive Message
13	R13	Req for Message	IE1 Message	Comms Device	Voice Radio	Comms Device	Voice Radio	Broadcast Message	Receive Message

- A P3 spreadsheet report.

Related elements

- Resource Artifact
- Software
- Capability Configuration
- Organization
- Post
- Exchange Element
- Resource Interaction
- Matériel
- Energy
- System
- Function
- Resource Role

Related procedures

- [Creating P3 table](#)