MODAF. SV-2 Resource Communications Description

Description

The Systems Communications Description series of views specifies the communications networks and pathways that link systems, and provides details regarding their configuration. The networks and pathways documented through these views represent the physical implementation of the information needlines identified in an Operational Node Connectivity Description (OV-2). The SV-2 series focuses on the physical characteristics of each link, to include specification of such attributes as the geographic location of network components (e.g. routers, switches, amplifiers and repeaters). Attributes such as capacities (e.g. bandwidth, throughput), frequencies used, security encryption methods used, and other descriptive information are usually presented in a corresponding SV-6 product (though most architecture tools would prompt the architect to enter such data as the SV-2 views are being developed).

Implementation

SV-2 can be represented using:

- SV-2 diagram which is based on the UML Class diagram.
- SV-2 diagram which is based on the UML Composite Structure diagram.
- UML Class diagram.
- UML Composite Structure diagram.
- SysML Block Definition diagram.
- SysML Internal Block diagram.

Related views

Any protocol and Standard referred to in an SV-2 diagram must be defined in the TV-1 Technical Standards View.

Related elements

- Resource Artifact
- Software
- Capability Configuration
- Organization
- Post
- Resource Port
- Resource Connector
- Resource Role
- Resource Interface
- Protocol
- Standard
- Resource Interaction Kind
- Control
- Data Element
- Natural Resource

Related procedures

- Creating MODAF SV-2 diagram
- Creating Resource Interaction in MODAF SV-2 diagram