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## // FNT Command Telco

Resource Management for Networks and Services in  
Heterogeneous Telecommunication Infrastructures

Telecom network operators and service providers are faced with a highly dynamic market environment. To succeed, these businesses need fast time-to-market for new products, maximum cost efficiency across all business processes, excellent services, and optimum operational performance based on efficient provision, monitoring, and planning processes.

### FNT Command Telco

Therefore the module FNT Command Telco provides network operators and service providers with an all-in-one network and service resource inventory which forms the basis of a modern and successful OSS/BSS architecture. Through the comprehensive planning and management of all wired and wireless network technologies, network operators obtain a comprehensive overview and powerful insight into their multi-technology and multi-vendor networks. Consolidated in one single module, the seamless navigation through hierarchically stacked network and service layers supports the documentation of heterogenous network infrastructures at any level or detail. The precise knowledge of network and service resources enables efficient capacity management.

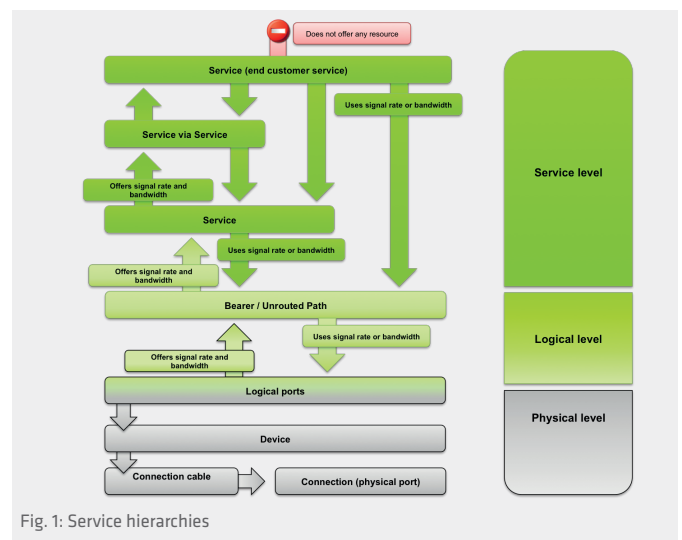


Fig. 1: Service hierarchies

### Technologies

All wired and wireless network technologies for transport, access, mobile, cable, satellite, radio relay, and radio/TV broadcasting networks, including OTN, WDM, SDH, PDH, SONET, ATM, Ethernet, and IP/MPLS are supported.

## Planning

## Physical View

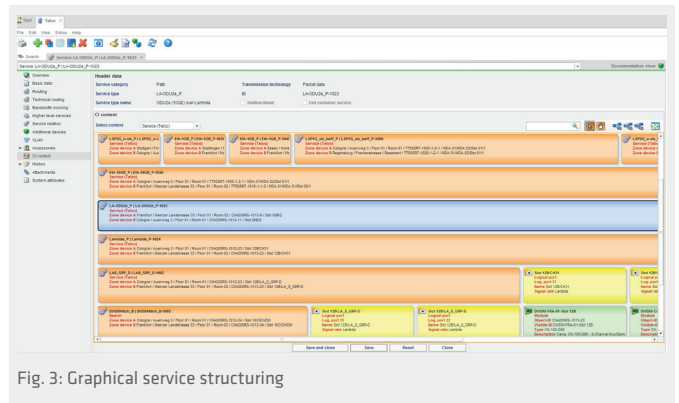
### Logical View

## Protection Types

ensure a backup in the event that a regular route of traffic flow fails. Therefore, the module „Telco“ supports various protection types on path layer (1+1, 1:1, 1:n, n:1) as well as on bearer layer.

## Autorouting

Services can either be created manually or via autorouting. Using a range of configurable routing criteria, the autorouting function provides a selection of routes with which to create a new service based on current and planned logical resources.



## Impact and Root-Cause Analysis

To support the preparation of impact and root-cause analysis, current interferences and their impact can be displayed in the overall context, ensuring the quick identification and elimination of the cause.

## Product Bundles

Services, devices, and other entities can be created as a product bundle to allow a targeted and simplified tracking in case of failure services. These bundles can contain a heterogeneous set of objects and show the dependencies of all CIs that relate to a corresponding commercial offering.

## Service Types

Network and service resources can be documented with an extremely high level of detail. FNT Command Telco ships with predefined service types for a wide range of technologies. It is also easy to model and configure customer-specific service types.

## Accessories

In addition to standard accessories, such as contracts, persons, organizations, etc., FNT Command Telco lets you assign telco-specific accessories, such as SLAs, QoS, and TERS (traffic engineering rules), to the respective services.

## System Requirements

The FNT Command C base package is a prerequisite for using the FNT Command Telco module.