Data Circuit

Connection of 2 of the client's points with guaranteed transmission capacity

The **DATA CIRCUIT** service enables the connection of two of the client's points with data flow of the required speed through data networks which are backed up in the backbone part. Capacities are provided with Ethernet or SDH interfaces with speeds from 64 Kbps up to 1 Gbps. Higher capacities can be offered using the LAMBDA service.

WHO IS THIS SERVICE DESIGNED FOR?

This service is designed for company clients, tele-communication companies, and Internet or content providers.

THIS SERVICE CAN BE PROVIDED AS:

1. ETHERNET CAPACITY

Dial Telecom operates a unique and extensive network on the basis of the Ethernet with the use of Ethernet over Fibre, Ethernet over WDM and Ethernet over MPLS. The network is built mostly using active elements from CISCO. All the circuits in the backbone are backed up. In the access network, the technology of optical cable, radio connection or metallic line is used. Ethernet capacity can also be offered in the star topology, where the individual connections are handed-over on one physical high-capacity connection in the form of separated VLANs. Dial Telecom is connected with many national and international operators through links on the Ethernet layer and can provide services for more networks.

TECHNICAL SPECIFICATIONS OF ETHERNET

- guaranteed transmission speed of 64 kbps up to 1 Gbps
- point-to-point topology
- 10/100/1000 Ethernet interface
- based on the client's requirement, transmission of frames in the network of Dial Telecom can be set to transparent or non-transparent
- supports 802.1q, 802.1X tunneling, STP transport

2. SDH CAPACITY

A combination of the WDM features solution with the SDH solution enables the provision of circuits on the basis of SDH with speeds of E1 (2 Mbps), E3 (34 Mbps), STM-1 (155 Mbps), STM4 (622 Mbps). Dial Telecom, a.s., provides the service on its own SDH network built using Alcatel-Lucent technology with exchanges in the biggest cities in the Czech Republic. The SDH services can be provided through radio, optical or metallic access technologies on the entire Dial Telecom network. The ring topology of the SDH infrastructure also enables the backing up of circuits in the backbone network using the SDH network. Dial Telecom is a member of Virtual Meet Me Room in Ancotel in Frankfurt and, thanks to this, can easily and efficiently connect to more than 150 operators. Through their use, it can offer SDH capacity to the whole world.
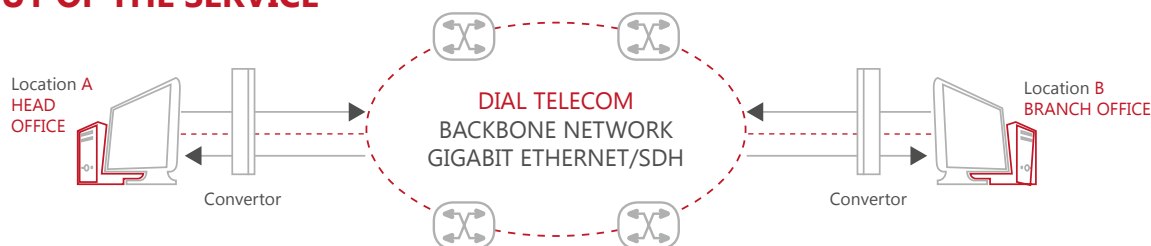
TECHNICAL SPECIFICATIONS OF SDH

- X.21, V.35, G.703, G.957 interface

BENEFITS OF THE DATA CIRCUIT SERVICE

- backing up services in the backbone network
- possibility of SLA – guarantee of quality and service availability
- 24/7 monitoring
- possibility of also setting up services internationally
- possibility operating multiple services on one physical interface (star topology)

LAYOUT OF THE SERVICE

Location A
HEAD OFFICE

Convertor

DIAL TELECOM
BACKBONE NETWORK
GIGABIT ETHERNET/SDH

Convertor

Location B
BRANCH OFFICE

Dial Telecom
Simply Connect.