



Service Description Internet Transit.

Stand: 09/2018

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1. Application Area.

The subject of this service agreement are the services of Drei for the Internet Transit service.

2. Service of Drei.

2.1 General.

The Internet Transit service allows access to the world-wide Internet over the data networks of Drei. This allows the use of Internet services such as e-mail, news groups and the World Wide Web (www).

The service is tailored to the requirements of service providers and carriers.

2.2 Internet Transit Connection.

The connection to the Internet Transit nodes takes place via a data access product of CarrierLine. A permanent data line is switched from the customer terminal device (router) to a port of the Internet Transit router. The customer network (LAN) is connected to the Internet over this routed connection.

The transmission bandwidths for a direct connection of the customer to the Internet backbone are divided into two segments, the Internet Transit CIR (minimum transmission bandwidth) and the connection bandwidth.

Minimum transmission bandwidth:

The minimal transmission bandwidths equal 1024 kbit/s. Depending on the access bandwidth IP over PPP, IP over Ethernet or IP over SDH is used.

Internet Transit CIR¹ (Committed Information Rate):

Bandwidth that is available to the customer at all times within the Drei Internet backbone. This bandwidth is configured with the CIR¹ (Committed Information Rate) parameter and is the Internet Transit bandwidth ordered by the customer. The minimum bandwidth is 1 Mbit/s (1024 kbit/s).

¹) CIR, Committed Information Rate

This parameter must be configured for every Internet Transit connection. The CIR is the data rate that is guaranteed to be transmitted by the network. The price of an Internet Transit connection is determined by the size of the CIR per connection.

Connection bandwidth.

The connection bandwidth is the bandwidth of the Internet Transit connection (e.g. 2 Mbit/s), that is, the bandwidth of the transmission route from the customer to the port of the Drei network node.

Physical Interface and Establishment of the Connection.

As access product is the Drei product CarrierLine (IP over PPP as per RFC 1661 available).

Depending on the access bandwidth, various protocols are required for connection of the customer's terminal device to the Drei backbone.

2.3 Connection Protocol.

The Internet Protocol "IP Version 4" as per RFC 791 is available over the Internet Transit connection. The customer thereby has the opportunity to use the entire TCP (Transmission Control Protocol: RFC793) and UDP (User Datagram Protocol: RFC 768) protocol suite.

3. IP-addresses and Standards.

- Drei assumes that the customer has his own autonomous system with an LIR (local Internet registry) IP-address range of at least 32 class C's ("19"). If the customer wishes to receive IP-addresses from Drei, this need must be justified with RIPE-141. The required number of IP-addresses is passed on to the customer strictly according to the rules of RIPE.
- There are no restrictions to the data volume; however, the Drei allows the measurement of the traffic volume from the customer through Drei into the Internet, if necessary. These measurements are performed at Drei on the corresponding equipment.
- The use of services from Drei by third parties as well as the fee-based provision of these services requires express written approval, which is hereby granted in the form of the product Internet Transit.

4. Optional Services.

4.1 Newsfeed.

The customer must erect and operate his own news server for use of the news service. Drei provides the customers with a newsfeed. For the newsfeed alone, Drei recommends a minimum bandwidth of 2 Mbit/s.