



Capacity: Wavelength services

Change the way you manage your network needs while you expand your business

RETN Wavelength services provide secure and reliable, layer 1, point-to-point dedicated transmission between locations via fixed routes. To transport customer critical data from the Content, OTT and Telecom industries, we use our own multi-Terabit DWDM network based on industry-leading vendor equipment. Available as unprotected, protected or fully diverse, the service offers ultra-high bandwidth solutions between Western and Eastern markets and within key metro areas to maximize customer connectivity options and improve the way they deliver online services to their customers.

Standard Service Features

- **Vast DWDM network reach:** 52000 km of lit fibre stretching from the USA and Western Europe to Russia and Asia through Kazakhstan
- **Service available at over** 200 RETN DWDM PoPs worldwide
- **Total network capacity** 25.6 Tbps based on a protected ring
- **Distinct ring architecture** with multiple completely independent routes across network infrastructure
- **Homogeneous network** based on the latest generation of Infinera equipment: DTN-X, XT Series and FlexILS. Multiple service types (WAN-PHY, LAN-PHY, SDH, SONET, Clear Channel)
- **Network capacity** is optimized to transport large sets of traffic: voice, data, storage and video
- **Wide range of supported bandwidth** from STM-1 to 100Gbps
- **Protected, Unprotected and Fully Diverse** services available
- **Protected service availability** – 99.95%
Unprotected service availability (<1000 km) – 99.5%*
- **50 ms switching from main to backup route** (with optional protected service)



*for unprotected service that extends more than 1000 km availability is calculated separately

RETN Wavelength Services to boost your business:

- **Increase capacity and reduce latency** between your core markets
- **Transfer large amounts of data** with assured, fixed routing, and uncontended bandwidth
- **Get your service when you need it:** fast, efficient delivery of services
- **Enjoy scalability and flexibility of growth:** adjustable contract terms and simple upgrade process
- **Improve your connectivity options** with our constantly growing and developing network infrastructure
- **Contact technical support 24/7** via phone, email, Customer Portal
- **Stay informed with Customer Portal** containing a real-time inventory of live services along with invoices, escalation matrix or trouble tickets

We offer fibre optic solutions that suit your needs best.



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