



## Carrier Intranet Service.

Services International Carrier Sales & Solutions (ICSS)

Life is for sharing.



# Carrier Intranet Service.

## MPLS IP VPN Service – managing your private network.

A virtual private network (VPN) offers you the reliability of a dedicated, private, wide-area network (WAN) with the cost savings of a shared network.

With ICSS's customized MPLS solutions, you can differentiate yourself from the competition by leveraging our worldwide IP network to expand your reach and manage hybrid requirements.

## ICSS Wholesale Layer 3 IP VPN – Carrier Intranet Service.

ICSS's integrated Carrier Intranet Service provides the end customer with a private, secure WAN and quality of service based on reliable, scalable dedicated IP VPNs. The service can either be implemented on Deutsche Telekom's global IP network or with the help of interconnections to partner carriers' IP VPN network and services.

## Strength in our size and worldwide presence.

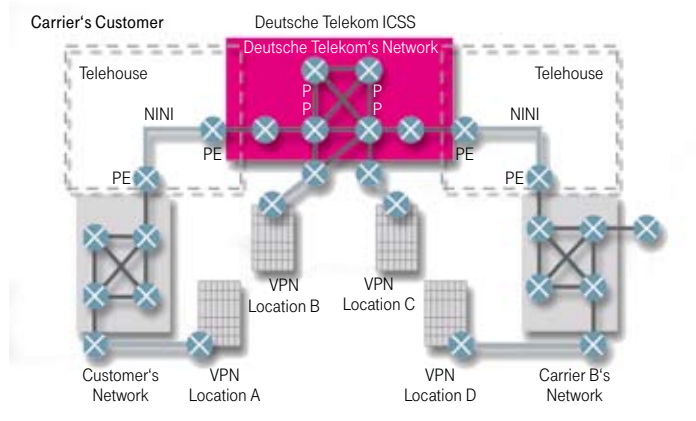
- Enrich your portfolio while expanding your network to new locations for your existing subscribers and keeping your own IP VPN service offerings.
- Reduce your network costs
- Reach a broader set of potential customers and offer truly global VPN services
- Obtain flexible bandwidth to satisfy number of applications and users
- Carrier Intranet Service product features
  - Any-to-any communication – “real” IP VPNs (not limited by underlying connection-oriented technology)
  - CE router provided by Deutsche Telekom and managed by carrier or CE router provided and managed by carrier
  - Deutsche Telekom's IP backbone with more than 150 PoPs worldwide
  - Distance-insensitive
  - Native IP, no overhead
  - Online backbone monitoring
  - Worldwide flat-rate pricing
  - Extended reach via partner carriers' MPLS networks to regions where ICSS has no own coverage

## Classes of service.

Customers can decide how to assign their network's traffic to different classes. Carrier Intranet Service includes four classes of traffic segregation:

- **Best-Effort Class** – best used for “bulk” background applications, i.e. HTTP, FTP, e-mail, etc.
- **Premium Class** – tailored for business-critical applications that can not tolerate even a small amount of packet loss (e. g. Telnet, ERP)
- **Multimedia Class** – optimized for bursty and real-time applications that can cope with a degree of packet loss, but that are highly delay-sensitive, e.g. video conferencing
- **Voice Class/Real-Time** – defined for the typical profile of Voice over IP (VoIP) traffic, i.e. relatively regular streams of small data packets. It is most suitable for delivering time and jitter (delay variation) sensitive applications and built using strict priority queuing mechanisms.

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## About Deutsche Telekom ICSS.

ICSS, the international wholesale arm of the Deutsche Telekom Group, is one of the biggest voice carriers worldwide and an increasingly important IP player across a growing European market with excellent interregional connections between Europe, the Americas and Asia. With continuously changing markets, ICSS has redesigned its portfolio from traditional voice and transport services to advanced innovative wholesale services and customized IP solutions. The business activities and efforts of ICSS focus on serving the following market segments: broadband operators (ISPs, WISPs, and VoIP SPs), mobile operators and MVNOs, content, application and media providers, corporate service providers and VNOs, fixed voice carriers, and carriers' carriers and their customers through a worldwide sales network.

For further information, see

[www.deutschetelekom.com/icss](http://www.deutschetelekom.com/icss)

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