

Circuit Solution EoM.

Services International Carrier Sales & Solutions (ICSS)

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Circuit Solution EoM.

Originally used in the local corporate environment, Ethernet is gradually expanding to fully enter the international carrier space, hence providing enhanced flexibility and ease of use to worldwide communications. Coupled with the Multi Protocol Label Switching technology, its benefits are second-to-none, including optimum security, scalability, and quality.

As a strong player on the Ethernet over Multi Protocol Label Switching (EoM-PLS) wholesale market, ICSS is best positioned to answer your Ethernet over MPLS requirements: from legacy replacement to network coverage extension and specific traffic type delivery.

Reach peering points, extend your network, and optimize your content and VoIP traffic delivery thanks to ICSS's Circuit Solution EoM.

ICSS's Circuit Solution EoM is already being used in a wide variety of business applications. Its key advantages allow you to:

▪ Access and select the right Internet Exchange partners while keeping control of your traffic routing:

ICSS's Circuit Solution EoM enables you to reach strategic peering points around the globe, expand your network, and direct your traffic to the partners that best fit your business requirements. You keep full control over the routing path of the traffic.

▪ Replace your legacy Frame Relay or ATM circuits:

ICSS's Circuit Solution EoM guarantees the same level of network and transport security you enjoyed with old legacy equipment. It improves your network efficiency and adapts the network bandwidth to your traffic requirements.

▪ **Transmit video streaming, VoIP, or application-based data in a reliable way:** ICSS's Circuit Solution EoM is perfectly suited to the optimum delivery requirements associated with time and quality sensitive content. Traffic such as video streaming, VoIP, or application-based data is given adequate priority to ensure data is delivered on time in a high-quality manner. Circuit Solution EoM is also designed to handling erratic traffic patterns inherent to this type of traffic.

▪ Extend your network or your customer's network:

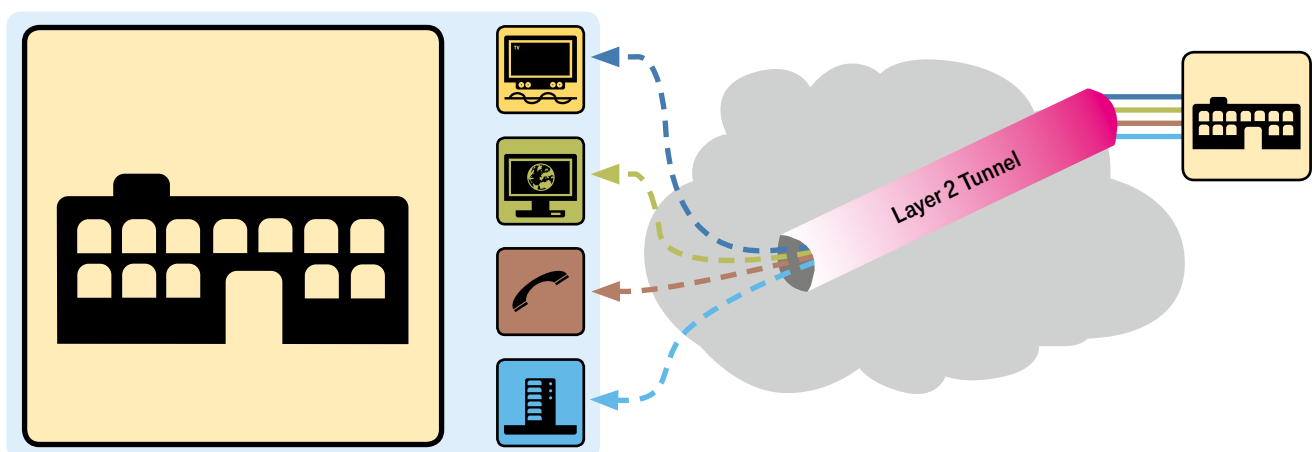
ICSS's Circuit Solution EoM offers you network scalability when further extending your or your customer's geographical footprint. The Ethernet over MPLS network architecture of ICSS adapts to your growth both in terms of complexity and volume.

ICSS's Circuit Solution EoM value proposition:

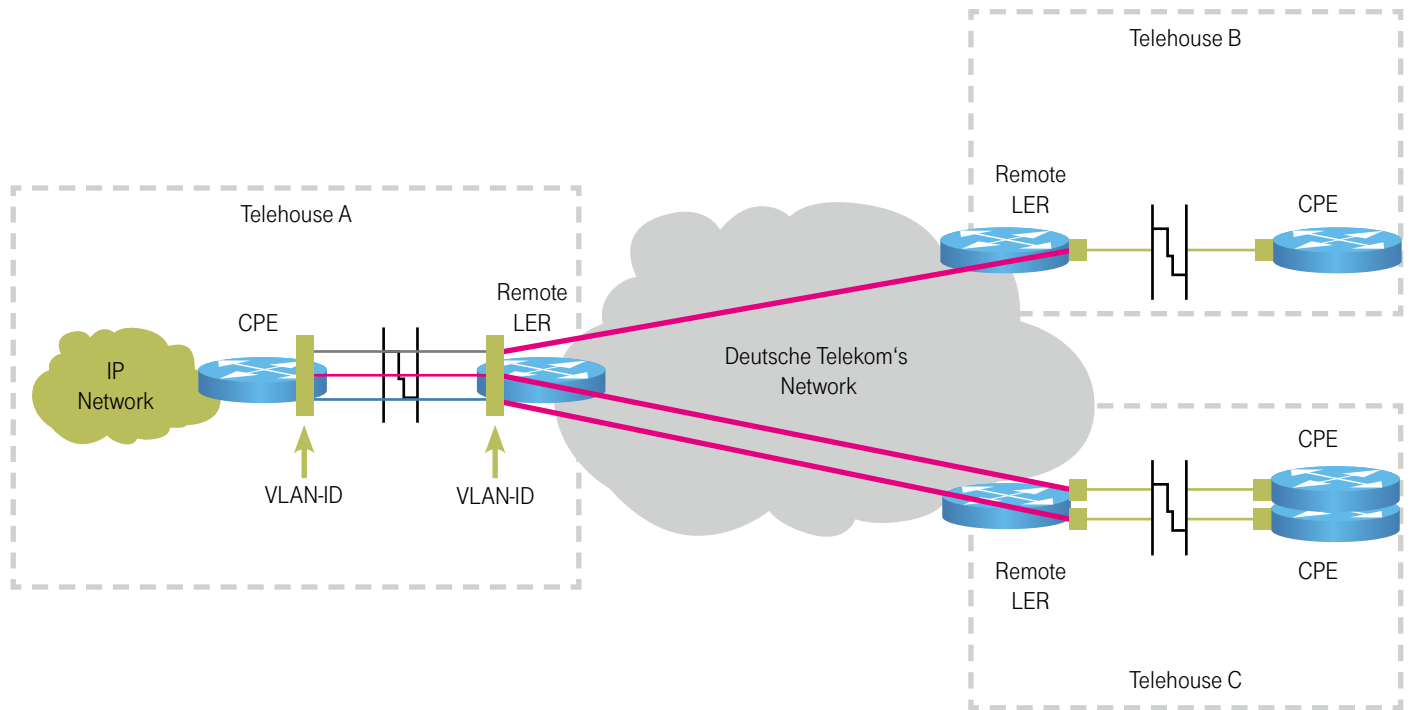
Based on Deutsche Telekom's IP backbone, ICSS's Circuit Solution EoM is available as a point-to-point or point-to-multipoint solution and supports the following service types:

- Ethernet over MPLS connections with pure Ethernet ports: Transparent Circuit Port Ethernet
- Ethernet over MPLS connections with VLAN ports: Transparent Circuit Port VLAN
- Ethernet over MPLS connections with combined pure Ethernet and VLAN ports: Multi Circuit Port.

Four classes of service available for your content delivery



ICSS's Circuit Solution EoM Multi-Circuit Port Option



Features of the solution include:

- Multiple physical connections via a single virtual network
- Four classes of service: basic, business data, streaming, and voice
- Guaranteed SLAs for network availability, packet loss, latency, jitter, provisioning time, and mean time to restore
- Transmission rates of up to 1 Gbps and possibility of adding or removing virtual circuits
- Two types of interface: Fast Ethernet and Gigabit Ethernet
- Flat rate and usage-based billing options (with or without traffic commitment)
- Round-the-clock maintenance and worldwide network supervision
- Online performance monitoring providing up-to-date insight into your data transfer and bandwidth usage.

Global coverage.

ICSS's Circuit Solution EoM is available worldwide. Thanks to Deutsche Telekom's wide domestic coverage, its largest pan-European network, and strategic presence in key locations across the United States and Asia, ICSS can meet your Ethernet over MPLS requirements no matter where you are. Presence at all major peering points around the globe is guaranteed.

With ICSS's Circuit Solution EoM, you can choose:

- How your network is configured
- The size of the bandwidth best suited to your needs
- The level of service you want for each application
- The option to pay only for the bandwidth you use.

And benefit from:

- The economy of scale of a shared networking environment
- The security and privacy of a dedicated circuit
- Various implementation scenarios that will provide you with the right balance between quality, reliability, and cost
- A secure worldwide network.

About Deutsche Telekom ICSS.

ICSS, the international wholesale arm of 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. The basis for the delivery of the services of ICSS is an expanding ultra-modern infrastructure - Deutsche Telekom's international network.

For further information, see

www.deutschetelekom.com/icss

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