



INTERNATIONAL TELECOMMUNICATION UNION

**ITU-T**

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

**Y.1413**

(03/2004)

SERIES Y: GLOBAL INFORMATION  
INFRASTRUCTURE, INTERNET PROTOCOL ASPECTS  
AND NEXT GENERATION NETWORKS

Internet protocol aspects – Interworking

---

**TDM-MPLS network interworking – User plane  
interworking**

ITU-T Recommendation Y.1413

---

ITU-T Y-SERIES RECOMMENDATIONS  
**GLOBAL INFORMATION INFRASTRUCTURE, INTERNET PROTOCOL ASPECTS AND NEXT  
GENERATION NETWORKS**

<b>GLOBAL INFORMATION INFRASTRUCTURE</b>	
General	Y.100–Y.199
Services, applications and middleware	Y.200–Y.299
Network aspects	Y.300–Y.399
Interfaces and protocols	Y.400–Y.499
Numbering, addressing and naming	Y.500–Y.599
Operation, administration and maintenance	Y.600–Y.699
Security	Y.700–Y.799
Performances	Y.800–Y.899
<b>INTERNET PROTOCOL ASPECTS</b>	
General	Y.1000–Y.1099
Services and applications	Y.1100–Y.1199
Architecture, access, network capabilities and resource management	Y.1200–Y.1299
Transport	Y.1300–Y.1399
<b>Interworking</b>	<b>Y.1400–Y.1499</b>
Quality of service and network performance	Y.1500–Y.1599
Signalling	Y.1600–Y.1699
Operation, administration and maintenance	Y.1700–Y.1799
Charging	Y.1800–Y.1899
<b>NEXT GENERATION NETWORKS</b>	
Frameworks and functional architecture models	Y.2000–Y.2099
Quality of Service and performance	Y.2100–Y.2199
Service aspects: Service capabilities and service architecture	Y.2200–Y.2249
Service aspects: Interoperability of services and networks in NGN	Y.2250–Y.2299
Numbering, naming and addressing	Y.2300–Y.2399
Network management	Y.2400–Y.2499
Network control architectures and protocols	Y.2500–Y.2599
Security	Y.2700–Y.2799
Generalized mobility	Y.2800–Y.2899

*For further details, please refer to the list of ITU-T Recommendations.*

# **ITU-T Recommendation Y.1413**

## **TDM-MPLS network interworking – User plane interworking**

### **Summary**

This Recommendation addresses required functions for network interworking between TDM networks up to DS3 or E3 rates and MPLS networks. This Recommendation addresses user plane interworking mechanisms and procedures. Details of the interworking model and required interworking functions are described.

### **Source**

ITU-T Recommendation Y.1413 was approved on 15 March 2004 by ITU-T Study Group 13 (2001-2004) under the ITU-T Recommendation A.8 procedure.

### **Keywords**

Interworking, MPLS, Network, TDM, user plane.