



## GLOSSARY

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### A

<b>AAA</b>	authentication, authorization and accounting
<b>ACL</b>	Access Control List
<b>ADM</b>	Add/Drop Multiplexer (typically used to interconnect slow links with fast links on an SDH link)
<b>AIS</b>	Alarm Indication Signal
<b>AMI</b>	alternate mask inversion
<b>ATM</b>	Asynchronous Transfer Mode
<b>AUSM</b>	ATM User Service Module (Narrowband)
<b>AXSM</b>	ATM Switch Service Module (Broadband)

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### B

<b>B8ZS</b>	binary 8-zero substitution
<b>BCA</b>	Basic Cabinet
<b>BERT</b>	bit error rate tester
<b>BGP</b>	Border Gateway Protocol
<b>BRA</b>	Basic Rate Access
<b>BRI</b>	Basic Rate Interface
<b>BSH</b>	Basic Service Handler (component of the iMSS Call Agent)

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### C

<b>C12KM</b>	Cisco 12000 Manager
<b>CAC</b>	Call Admission Control
<b>CAR</b>	Cisco Access Registrar
<b>CAS</b>	Communicating Applications Specification

<b>CCD</b>	Clear Channel Data
<b>CCS</b>	Channel Associated Signalling
<b>CDR</b>	Call Detail Record
<b>CEMF</b>	Cisco Element Management Framework
<b>CIF</b>	Cisco Info Center
<b>Cisco IOS</b>	Cisco Internetwork Operating System
<b>CLASS</b>	Custom Local Area Signalling Services
<b>CLASS 4</b>	Telephone switch offering only long distance services
<b>CLASS 5</b>	Telephone switch offering advanced call features and local access
<b>CLEC</b>	Competitive Local Exchange Carrier. Also called Other Local Operator
<b>CLI</b>	Calling Line Identification
<b>CNOTE</b>	Cisco CNS Notification Engine
<b>CNS</b>	Cisco Networking Services
<b>CO</b>	Central Office
<b>codec</b>	coder-decoder
<b>CORBA</b>	Common Object Request Broker Architecture
<b>CoS</b>	class of service
<b>CPE</b>	Customer Premise Equipment
<b>CPS</b>	Centralized Processing Server (component of the iMSS Call Agent)
<b>CS1</b>	Capability Set 1
<b>CSM</b>	Cisco Service Management
<b>CW2K</b>	CiscoWorks 2000
<b>CWM</b>	Cisco WAN Manager

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**D**

<b>DFC</b>	Dial Feature Card
<b>DiffServ</b>	Differentiated Services. The use of ToS bits in the IP header to indicate traffic importance and drop preference
<b>DNIS</b>	Dial Number Identification Service

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<b>DNS</b>	Domain Name System
<b>DPC</b>	Destination Point Code
<b>DS0</b>	digital service zero (0). 64 Kbps POTS telephone line, encoded using PCM
<b>DSCP</b>	DiffServ Code Point
<b>DSP</b>	Digital Signal Processor
<b>DSS1</b>	Digital Subscriber Signalling System Number 1

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## E

<b>egress</b>	Traffic leaving the network
<b>EMS</b>	element management system
<b>ETSI</b>	European Telecommunications Standards Institute

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## F

<b>FTM</b>	Fault and Trouble Manager
<b>FTP</b>	File Transfer Protocol

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## G

<b>GK</b>	Gatekeeper
<b>GW</b>	Gateway

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## H

<b>HSRP</b>	Hot Standby Router Protocol
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## I

<b>IAD</b>	Integrated Access Device
<b>IAM</b>	Initial Address Message
<b>IFAM</b>	Initial Forward and/or Final Address Message

<b>IGP</b>	Interior Gateway Protocol
<b>ILEC</b>	Incumbent Local Exchange Carrier
<b>iMCP</b>	Intra Module Control Protocol
<b>iMSS</b>	Italtel Multiservice Switching System
<b>IMT</b>	intermachine trunk (trunk used between CLASS 4 switches)
<b>IN</b>	Intelligent Network
<b>INAP</b>	Intelligent Network Application Part
<b>ingress</b>	Traffic entering the network
<b>IOS</b>	See Cisco IOS
<b>IP</b>	Internet Protocol
<b>IPM</b>	Internetwork Performance Monitor
<b>ISDN</b>	Integrated Services Digital Network
<b>IS-IS</b>	Intermediate System-to-Intermediate System
<b>ISM</b>	Interconnection Structure Module (component of the iMSS Call Agent)
<b>ISUP</b>	ISDN User Part
<b>ITP</b>	IP Transfer Point
<b>ITU-T</b>	International Telecommunications Union Telecommunications Standardization Sector
<b>IVR</b>	Interactive Voice Response
<b>IVS</b>	Inter Virtual Switch

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**L**

<b>LDAP</b>	Lightweight Directory Access Protocol
<b>LDP</b>	Label Distribution Protocol
<b>LDS</b>	Local Digital Switch (typically a Class 5 switch)
<b>LE</b>	Local Exchange
<b>LER</b>	Label Edge Router
<b>LNP</b>	Local Number Portability
<b>LSR</b>	Label Switch Router

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**M**

<b>MGC</b>	Media Gateway Controller
<b>MGCP</b>	Media Gateway Control Protocol, RFC2705. Version 0.1 is the November 1998 version of this RFC, which is available as an (expired) Internet Draft
<b>MMF</b>	multimode fibre
<b>MPLS</b>	Multiprotocol Label Switching
<b>MSC</b>	Mobile Switching Center
<b>MSEM</b>	Multiservice Element Manager

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**N**

<b>NAS</b>	network access server
<b>NB</b>	Narrow Band
<b>NMS</b>	Network Management System
<b>NOC</b>	Network Operations Center
<b>NRDB</b>	Network Resource Database
<b>NSE</b>	Named Signaling Events. Used within Voice over IP RTP streams to indicate in-band signaling. Functionally equivalent to AAL2 type 3 packets in AAL2
<b>NTS</b>	Number Translation Service

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**O**

<b>O&amp;M</b>	Operations and Maintenance
<b>OLO</b>	Other Local Operator. Also called Competitive Local Exchange Carrier
<b>OMS</b>	Operation and Maintenance Server (component of the iMSS Call Agent)
<b>OPC</b>	Originating Point Code
<b>OPM</b>	Optical Peripheral Module (component of the iMSS Call Agent)
<b>OPT</b>	Open Packet Telephony
<b>OSPF</b>	Open Shortest Path First
<b>OSS</b>	Operations Support System

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**P**

<b>P</b>	Provider Router
<b>PABX</b>	private automatic branch exchange (Europe)
<b>PBX</b>	private branch exchange (U.S.)
<b>PC</b>	Point Code
<b>PE</b>	Provider Edge Router
<b>PEB</b>	Pan European Backbone
<b>PHS</b>	Protocol Handling Server (component of the iMSS Call Agent)
<b>PLMN</b>	public land mobile network
<b>PoI</b>	Point of Interconnection
<b>POP</b>	point of presence
<b>POS</b>	Packet Over SONET
<b>POTS</b>	plain old telephone service (typically considered an analog phone connected with an RJ11 jack with normal telephone service)
<b>PRA</b>	Primary Rate Access
<b>PRI</b>	Primary Rate Interface
<b>PSTN</b>	Public Switched Telephone Network
<b>PTT</b>	Public Telephone and Telegraph (typically the major government-owned incumbent telephone company in a country)
<b>PVC</b>	permanent virtual circuit
<b>PXM</b>	Processor Switch Module

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**Q**

<b>QoS</b>	Quality of Service
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**R**

<b>RADIUS</b>	Remote Authentication Dial-In User Service
<b>RAI</b>	Remote Alarm Indication
<b>RME</b>	Resource Manager Essentials

<b>RPM</b>	Route Processor Module
<b>RSVP</b>	Resource Reservation Protocol
<b>RTCP</b>	Real Time Control Protocol
<b>RTM</b>	Real-Time Monitor
<b>RTP</b>	Real-Time Transport Protocol. Used by Voice over IP to send voice bearer traffic and can also carry CAS traffic using Named Signaling Events (see NSE)

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**S**

<b>SASE</b>	Stand Alone Synchronization Equipment
<b>SCM</b>	Service Configuration Manager
<b>SCP</b>	Service Control Point
<b>SDF</b>	Service Data Function
<b>SDH</b>	Synchronous Digital Hierarchy (approximately equivalent to SONET used in US and Japan)
<b>SG</b>	Signalling Gateway
<b>SGCP</b>	Simple Gateway Control Protocol
<b>SIP</b>	Session Initiation Protocol
<b>SLA</b>	Service Level Agreement
<b>SLR</b>	Service Location Register
<b>SLT</b>	Signalling Link Terminal
<b>SMFIR</b>	single mode fibre intermediate range
<b>SMS</b>	Short Message Service
<b>SN</b>	Service Node
<b>SNMP</b>	Simple Network Management Protocol
<b>SONET</b>	Synchronous Optical NETWORK
<b>SRCP</b>	Simple Resource Control Protocol
<b>SRI</b>	Send Routing Information
<b>SRM</b>	Service Resource Module
<b>SRM/E</b>	Enhanced Service Resource Module
<b>SS7</b>	Signalling System 7

<b>SSP</b>	Service Switching Point
<b>STM-1</b>	Synchronous Transport Module, level 1 (2,016 DS0s, 155.52 Mb data rate—equivalent to OC-3 used in U.S. and Japan)
<b>STM-4</b>	Synchronous Transport Module, level 4 (8,064 DS0s, 622.080 Mb data rate—equivalent to OC-12 used in U.S. and Japan)
<b>STP</b>	Signal Transfer Point

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**T**

<b>TCAP</b>	Transaction Capabilities Application Part
<b>TCP</b>	Transmission Control Protocol
<b>TDM</b>	time-division multiplexing
<b>TDP</b>	Tag Distribution Protocol
<b>TFTP</b>	Trivial File Transfer Protocol
<b>TGW</b>	Trunking Gateway
<b>TMN</b>	Telecommunications Managed Networks
<b>ToS</b>	Type of Service
<b>T/PM</b>	Traffic and Performance Manager
<b>TSC</b>	Transit Switching Center

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**U**

<b>UDP</b>	User Datagram Protocol
<b>UGM</b>	Universal Gateway Manager

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**V**

<b>V5</b>	ETSI family of interface specifications for connections between Local Exchanges and Access Networks. V5.1 is the specification for multiplex type access networks. V5.2 is the specification for concentrator type networks.
<b>VAD</b>	Voice Activity Detection. Also called “silence suppression”
<b>VC</b>	virtual circuit (virtual channel)
<b>VCI</b>	virtual circuit identifier (virtual channel identifier)



<b>VISM</b>	Voice Interworking Service Module
<b>VLAN</b>	Virtual LAN (local area network)
<b>VoIP</b>	Voice over IP
<b>VP</b>	virtual path
<b>VPI</b>	virtual path identifier
<b>VPN</b>	Virtual Private Network
<b>VPS</b>	Voice Processing System
<b>VTCH</b>	Virtual Termination Call Handler (component of the iMSS Call Agent)
<b>VTN</b>	Virtual Transit Network

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**W**

<b>WAN</b>	wide-area network
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