7250 Interconnect Router
7450 Ethernet Service Switch
7705 SAR Gen 2
7750 Service Router
7950 Extensible Routing System
Virtualized Service Router
Release 26.3.R1

Acronyms Reference Guide

Table of contents

1 7250 IXR, 7450 ESS,7705 SAR Gen 2,7750 SR, 7950 XRS, and VSR acronyms

1.1 Numbers

Table 1: Numbers

Acronym	Definition
1DM	One-way Delay Measurement
6PE	IPv6 Provider Edge router. An MPLS IPv4 core network that supports IPv6 domains which communicate over an IES service.
6VPE	IPv6 Provider Edge router with IP-VPN Services. An MPLS IPv4 core network that supports the communication using IPv6 VPRN services.
2G	Second-generation wireless telephone technology
3DES	Triple DES (data encryption standard)
3G	Third-generation mobile telephone technology
4G	Fourth-generation mobile telephone technology
5G	Fifth-generation mobile telephone technology
NSP NFM-P	Network Services Platform Network Functions Manager - Packet
1830 PSS	1830 Photonic Service Switch
1850 TSS-5	1850 Transport Service Switch
7210 SAS	7210 Service Access Switch
7450 ESS	7450 Ethernet Service Switch
7705 SAR	7705 Service Aggregation Router
7750 SR	7750 Service Router
7950 XRS	7950 eXtensible Routing System

1.2 A

Table 2: A

Acronym	Definition
A/A	Active/Active redundancy mode
AA	Application Assurance
AA-ISA	Application Aware Integrated Service Adapter
AAA	AA-Answer
AAR	AA-Request
AARP	AA Redundancy Protocol
ABM	Asynchronous Balanced Mode
ABR	Area Boundary Router Available Bit Rate
AC	Alternating Current Attachment Circuit
ACA	Accounting-Answer
ACCM	Async-Control-Character-Map
ACFC	Address and Control Field Compression
ACH	Associated Channel
ACK	Acknowledgment
ACL	Access Control List, also called filter policy
ACPI	Advanced Configuration and Power Interface
ACR	Accounting-Request Adaptive Clock Recovery
AD	Autodiscovery
ADC	Application Detection and Control Asymmetric Delay Control
ADI	Ad Insertion
ADI-LZ	Ad Insertion Local and Zoned

Acronym	Definition
ADM	Add/Drop Multiplexer
ADP	Active Diameter Proxy
	Automatic Discovery Protocol
AF	Assured Forwarding
AFI	Address Family Identifier
	Authority and Format Identifier
AFTR	Address Family Transition Router
AGI	Address Group Identifier
AG	Application Group
AH	Authentication Header
AIGP	Accumulated IGP
AII	Attachment Individual Identifier
AIS	Alarm Indication Signal
ALB	Analog Loopback
ALE	Access-Loop-Encapsulation
ALG	Application Layer Gateway
ALMP	Auto-Learn-Mac-Protect
ALTO	Application Layer Traffic Optimization
AMBR	Aggregate Maximum Bit Rate
AMI	Alternate Mark Inversion
AMO	Any Mode of Operation
AN	Association Number
ANSI	American National Standards Institute
ANCP	Access Node Control Protocol
ANL	Access Network Location
AP	Access Point
API	Application Programming Interface
APIC	Advanced Programmable Interrupt Controller

Acronym	Definition
APN	Access Point Name
APS	Automatic Protection Switching
AQP	Application QoS Policies
AR	Assisted Replication
ARP	Address Resolution Protocol Allocation and Retention Priority
A/S	Active/Standby Active/Standby redundancy mode
AS	Autonomous System
ASAP	Any Service Any Port
ASAM	Advanced Services Access Manager
ASBR	AS Boundary Routers
ASID	Acct-Session-Id
ASL	Application Specific License
ASLA	Application Specific Link Attributes
ASLM	Application Specific License Manager
ASM	Any-Source Multicast
ASN	Autonomous System Number
ASO	Application Service Option
ASPM	Active State Power Management
ATM	Asynchronous Transfer Mode
AU	Administrative Unit
AVC	Aggregated Virtual Circuit
AVP	Attribute Value Pair

1.3 B

Table 3: B

Acronym	Definition
BBF	Broadband Forum
B-bit	Beginning bit (first packet of a fragment)
BC	Bandwidth Constraint
BCB	Backbone Core Bridge
BCG	Burst Control Group
BCP	Bridging Control Protocol
B-DA	Backbone Destination MAC Address
BE	Best Effort
BEB	Backbone Edge Bridge
BECN	Backward Explicit Congestion Notification
Bellcore	Bell Communications Research
BER	Basic Encoding Rules
BER	Bit Error Rate
BERT	Bit Error Rate Test
BFD	Bidirectional Forwarding Detection
BFER	Bit Forwarding Egress Router
BFIR	Bit Forwarding Ingress Router
BFR	Bit Forwarding Router
B-Frame	Bidirectional Frame
BGP	Border Gateway Protocol
BGP LU	BGP Labeled Unicast
BGP-LS	BGP Link State
BIER	Bit Indexed Explicit Replication
BIFT	Bit Index Forwarding Table

Acronym	Definition
BITS	Building Integrated Timing Source Building Integrated Timing Supply
BM	Broadcast/Multicast
B-MAC	Backbone source and destination MAC address fields defined in the 802.1ah provider MAC encapsulation header
BMP	BGP Monitoring Protocol
BMR	Basic Mapping Rule
BMU	Broadcast, Multicast, and Unknown traffic
BNG	Broadband Network Gateway
BNG-UP	Broadband Network Gateway-User Plane
BOF	Boot Options File
BOOTP	Bootstrap Protocol
BPDU	Bridge Protocol Data Unit
BR	Border Router
BRAS	Broadband Remote Access Server
BRE	Basic Regular Expression
BRG	Bridged Residential Gateway
BSA	Broadband Service Aggregator
BSAN	Broadband Service Access Node
BSC	Base Station Controller
BSD	Berkeley Software Distribution
BSL	Bit String Length
BSM	Basic Subscriber Management
BSR	Bootstrap Router Broadband Service Router
BT	Burst Tolerance
BTAG	Backbone Tag
BTCA	Best TimeTransmitter Clock Algorithm

Acronym	Definition
BTS	Base Transceiver Station
BTSH	BGP TTL Security Hack
BTV	Broadcast Television
BUM	Broadcast, Unicast unknown and Multicast
BVID	Backbone VLAN ID
BVPLS	See B-VPLS
B-VPLS	Backbone VPLS
BVS	Business VPN Service
BW	Bandwidth
BW-NR	Bandwidth 5G New Radio

1.4 C

Table 4: C

Acronym	Definition
CA	Certificate Authority Connectivity Association
CAC	Call Admission Control
CAK	Connectivity Association Key
CAM	Content Addressable Memory
CAS	Channel Associated Signaling
CBAM	Cloudband Application Manager
CBC	Cipher Block Chaining
CBF	Class-Based Forwarding
CBR	Constant Bit rate
CBS	Committed Buffer Size Committed Buffer Space Committed Burst Size
CC	Content of Communication

Acronym	Definition
	Continuity Check Control Channel
CCA	Credit Control Answer Cross Connect Adapter
CCA-I	Credit Control Answer-Initial
CCA-T	Credit Control Answer-Terminate
CCA-U	Credit Control Answer-Update
CCAG	Cross Connect Aggregation Group
CCFH	Credit Control Failure Handling
CCI	Credit Control Instance
CCID	Cross Connect Identifier
CCM	Chassis Control Module Continuity Check Message
CCR	Credit Control Request
CCR-I	Credit Control Request-Initiate
CCR-T	Credit Control Request-Terminate
CCR-U	Credit Control Request-Update
CCS	Common Channel Signaling
CDN	Call Disconnect Notify Content Delivery Network
CDP	Cisco Discovery Protocol
CDVT	Cell Delay Variation Tolerance
CE	Circuit Emulation Customer Edge Customer Equipment
CEA	Capability Exchange Answer
CEC	Circuit Emulation Concentrator
CEM	Circuit-Emulation
CER	Capability Exchange Request

Acronym	Definition
CES	Circuit Emulation Services
CESoPSN	Structured Circuit Emulation Mode
CF	Compact Flash
CFHP	Class Fair Hierarchical Policing
CFM	Connectivity Fault Management Control Forwarding Module
CFP	C form-Factor Pluggable
CG	Charging Groups
CGA	Cryptographically Generated Address
CGI	Cell Global Identification
CGN	Carrier Grade NAT
CHAP	Challenge Handshake Authentication Protocol
CHLI	Consecutive High Loss Intervals
CIDR	Classless Inter-Domain Routing
CIR	Committed Information Rate
CIST	Common and Internal Spanning Tree
CKN	Connectivity association Key Name
CLEI	Common Language Equipment Identification
CLI	Command Line Interface
CLLI	Common Language Location Identifier
CLM	Centralized License Manager
CLP	Cell Loss Priority
CMA	Compact Media Adapter
C-MAC	Customer MAC
CMP	Certificate Management Protocol
CMTS	Cable Modem Termination System
CMV	Cryptographic Module version
CN	Common Name

Acronym	Definition
CNF	Container Network Function
CO	Central Office
CoA	Change of Authorization
confed-EBGP	Confederation External BGP
CoS	Class of Service
CP	Connection-Profile
CPE	Customer Premises Equipment
CPF	Control Plane Function
Cpipe	Circuit Emulation Pipe
CPM	Control Processing Module
CP/SFM	Control Processor/Switch Fabric Module
CPU	Control Processing Unit
CRC	Cyclic Redundancy Check
CRC-32	32-bit Cyclic Redundancy Check
CRL	Certificate Revocation List
CRMF	Certificate Request Message Format
CRON	a time-based scheduling service (from chronos = time)
CRP	Candidate RP
CSC	Carrier Supporting Carrier
CSC-CE	Carrier Supporting Carrier – Customer Edge Router
CSC-PE	Carrier Supporting Carrier – Provider Edge Router
CSF	Client Signal Fail
CSM	Control and Switching Module
CSN	Complete Sequence Number
CSNP	Complete Sequence Number PDU
CSP	Cloud Service Provider
CSPF	Constraint-based Shortest Path First
CSR	Cellsite Service Router

Acronym	Definition
CSU	Channel Service Unit
CSV	Certificate Status Verification
CT	Class Type
CTS	Clear To Send
C-TAG	Customer VLAN tag
CUPS	Control and User Plane Separation
CV	Connection Verification Customer VLAN (tag)
CVID	Customer VLAN ID
CW	Control Word
CWR	Congestion Window Reduced

1.5 D

Table 5: D

Acronym	Definition
DA	Destination Address
DACS	Digital Access Cross-connect System
DAD	Duplicate Address Detection
DBD	Database Description
DC	Direct Current Data Center
DCB	Domain-wide Common Block
DCCA	Diameter Credit Control Application
DCD	Data Carrier Detect
DCE	Data Circuit-terminating Equipment Data Communications Equipment
DCGW	Data Center Gateway
DCI	Data Center Interconnect

Acronym	Definition
DCN	Data Communication Network
DCP	Distributed CPU Protection
DCSC	Digital Channel Switch Capable
DDM	Digital Diagnostics Monitoring
DDMAP	Downstream Detailed Mapping
DDoS	Distributed DoS
DDP	Dynamic Data Persistency
DDS	Dynamic Data Services
DE	Discard-Eligible
DEM	Dynamic Experience Management
DES	Data Encryption Standard
DEI	Drop Eligibility Indicator
DER	Distinguished Encoding Rules
DF	Designated Forwarder Delivery Function Do not Fragment
DGW	Data Center Gateway
DH	Diffie-Hellman
DHB	Decimal, Hexadecimal, or Binary
DHCP	Dynamic Host Configuration Protocol
DHCPv4	Dynamic Host Configuration Protocol for IPv4
DHCPv6	Dynamic Host Configuration Protocol for IPv6
DHT	Distributed Hash Protocol
DL	Data Link
DL2L	Dynamic Local-to-Local
DLC	Data Link Control
DLCI	Data Link Connection Identifier
DLCMI	Data Link Connection Management Interface

Acronym	Definition
DM	Delay Measurement
DMA	Direct Memory Access
DMM	Delay Measurement Message
DMR	Delay Measurement Reply Default Mapping Rule
DMZ	Demilitarized Zone
DN	Domain Name
DNAT	Destination-based Network Address Translation
DNS	Domain Name System
DNSSEC	DNS Security
DNU	Do Not Use
DOD	Downstream On Demand
DORA	Discovery/Offer/Request/Ack
DoS	Denial of Service
dot1p	IEEE 802.1p bits, in Ethernet or VLAN ingress packet headers, used to map traffic to up to eight forwarding classes
dot1q	IEEE 802.1q encapsulation for Ethernet interfaces
DP	Don't Preempt Me Bit Data Plane
DPA	Disconnect Peer Answer
DPD	Dead Peer Detection
DPDK	Datapath Development Kit
DPI	Digital Program Insertion
DPL	Delegated Prefix Length
DPLL	Digital Phase Locked Loop
DPR	Disconnect Peer Request
DPV	Designated Priority Vector
DR	Designated Router

Acronym	Definition
DRA	Diameter Routing Agent
DRM	Digital Rights Management
DS	Dual-Stack
DSA	Digital Signal Algorithm
	Direct System Agent
DSAP	Destination Service Access Point
DSCP	Differentiated Services Code Point
DSFS	Data SAP Forwarding State
DSL	Digital Subscriber Line
DSLAM	Digital Subscriber Line Access Multiplexer
DS-LITE	Dual Stack Lite
DSM	Distributed Subscriber Management
DSMAP	Downstream Mapping
DSR	Data Set Ready
DSS	Data Sequence Signal
	Digital Signature Standard
DT	Data Trigger
DTA	Data Triggered Authentication
DTC	DHCP Transaction Cache
DTD	Dynamic Topology Discovery
DTE	Data Terminal Equipment
DTLS	Datagram Transport Layer Security
DTP	Digital Trunking Protocol
DTR	Data Terminal Ready
DU	Downstream Unsolicited
DUID	DHCP Unique Identifier
DUS	Do not Use for Synchronization
DVB	Digital Video Broadcasting

Acronym	Definition
DVMRP	Distance Vector Multicast Routing Protocol
DWA	Device Watchdog Answer
DWDM	Dense Wavelength Division Multiplexing
DWR	Device Watchdog Request

1.6 E

Table 6: E

Acronym	Definition
e2e	End-to-End
EA	Embedded Address
EAP	Extensible Authentication Protocol
EAPOL	EAP over LAN
E-bit	Ending bit (last packet of a fragment)
EBGP	External Border Gateway Protocol
EBS	Error Burst Size
E-BSR	Elected BSR
EC	Extended Community
ECE	ECN-Echo
ECID	Emulated Circuit Identifiers
ECGI	E-UTRAN Cell Global Identifier
ECMP	Equal Cost Multipath
ECN	Explicit Congestion Notification
ECT	Equal Cost Tree
ED	Endpoint Discriminator
eEEC	Enhanced Ethernet Equipment Clock
EEC	synchronous Ethernet Equipment Clock
EEPROM	Electronically Erasable Programmable Read-Only Memory

Acronym	Definition
EF	Expedited Forwarding
EFCI	Explicit Forward Congestion Indication
EFEC	Enhanced Forward Error Correction
EFH	Extended Failure Handling
EFM	Ethernet in the First Mile
EG	Enterprise Gateway Encryption Group
EGP	Exterior Gateway Protocol
EHS	Event Handling System
EIC	Ethernet Interface Counters
EIF	Endpoint-Independent Filtering
EIGRP	Enhanced Interior Gateway Routing Protocol
EIR	Excess Information Rate
EL	Entropy Label
E-LAN	Ethernet Local Area Network
eLER	Egress Label Edge Router
ELI	Entropy Label Indicator
E-Line	Ethernet Virtual Private Line
E-LMI	Ethernet Local Management Interface
EMR	Efficient Multicast Replication
EMS	Enhanced Subscriber Management
eNB	Evolved Node B
EOOL	End of Options List
EOM	End-of-Message
EOP	End-of-Packet
EOR	End-of-RIB
EPC	Evolved Packet Core
EPD	Exponential Port Dampening

Acronym	Definition
Epipe	Ethernet Pipe
	Ethernet VLL
EPL	Ethernet Private Line
ePRTC	Enhanced Primary Reference Time Clock
EPS	Equipment Protection Switching
ERE	Extended Regular Expression
ERO	Explicit Route Object
ERP	Ethernet Ring Protection
ES	Elementary Stream
ESA	Extended Services Appliance
ESF	Extended Super Frame
ESI	Ethernet Segment Identifier
ESM	Enhanced Subscriber Management
ESMC	Ethernet Synchronization Messaging Channel
eSNI	Encrypted Server Name Indication
ESP	Encapsulating Security Payload
ESR	Extended Services Router
EST	Enrollment over Secure Transport
ESV	Entropy Source version
ETE	End-to-End
ETH	Ethernet
ETH-BN	Ethernet Bandwidth Notification
ETH-CC	Ethernet Continuity Check
ETH-CFM	Ethernet Configuration and Fault Management
	Ethernet Connectivity Fault Management (IEEE 802.1ag)
ETH-LB	Ethernet Loopback
ETH-LBM	Ethernet Loopback Message
ETH-LT	Ethernet Linktrace

Acronym	Definition
ETH-SLM	Ethernet Synthetic Loss Measurement
ETH-TST	Ethernet Test
ETR	Extended Temperature Range
ETSI	European Telecommunications Standards Institute
ETYPE	EtherType
EUI-64	64-bit Extended Unique Identifier
EVC	Ethernet Virtual Connections
EVI	EVPN Instance
EVPL	Ethernet Virtual Private Link
EVPN	Ethernet VPN
EVPN-IFF	Ethernet VPN-Interface-ful
EVPN-IFL	Ethernet VPN-Interface-less
EXEC	Execute
EXP bits	Experimental bits (currently known as TC)

1.7 F

Table 7: F

Acronym	Definition
FAP	Femto Access Point
FAD	Flexible Algorithm Definition
FAQ	Frequently Asked Questions
FASTE	FastE SFP type
FC	Forwarding Class
FCC	Fast Channel Change
FCS	Frame Check Sequence
FD	Frame Delay Frequency Diversity

Acronym	Definition
FDB	Forwarding Database
FDDI	Fiber Distributed Data Interface
FDI	Forward Defect Indication
FDL	Facilities Data Link
FDR	Frame Delay Range
FE	Fast Ethernet
FEAC	Far-End Alarm and Control
FEBE	Far-End Block Error
FEC	Forwarding Equivalence Class Forward Error Correction
FECN	Forward Explicit Congestion Notification
FENT	Fast Ethernet Network Termination
FEPL	Far-End Protection-Line
FF	Fixed Filter
FIB	Forwarding Information Base
FID	Forwarding ID
FIFO	First In, First Out
FIN	Finish Bit Set
FIPS	Federal Information Processing Standards
FIR	Fair Information Rate
FIX	Financial Information eXchange
FLR	Frame Loss Ratio
FMR	Forwarding Mapping Rule
FOM	Figure of Merit
FP	Forwarding Path Forwarding Plane
FPE	Forwarding Path Extension
FPGA	Field Programmable Gate Array

Acronym	Definition
FPP	Floor Packet Percentage
FPRI	Fine-grained Priority
FPV	FIPS Provider version
FQDN	Fully Qualified Domain Name
FQF	Fully Qualified Flows
FRG	Fragmentation bit
FRR	Fast Reroute
FSG	Fate Sharing Group
FSM	Finite State Machine
FT	Fault Tolerant
FTN	FEC-to-NHLFE
FTP	File Transfer protocol
FTTH	Fiber to the Home
FW	Firewall
FWA	Fixed Wireless Access
FXC	Flexible Cross Connect

1.8 G

Table 8: G

Acronym	Definition
G-ACh	Generic Associated Channel
GAL	Generic ACH Label
GARP	Gratuitous ARP
GB-MAC	Group BMAC
GBR	Guaranteed Bit Rate
GE	Gigabit Ethernet
GENT	Gigabit Ethernet Network Termination

Acronym	Definition
GFEC	G.709 FEC
GFP	Generic Framing Procedure
GGSN	Gateway GPRS Support Node
GI	Gateway Interface
GID	Global-ID
GigE	Gigabit Ethernet
GIGE	GigE SFP type
GIGX	GigX SFP
gLSP	GMPLS LSP
GMPLS	Generalized Multiprotocol Label Switching
GMR	IGMP Group-specific Membership Report
GMRE	GMPLS Routing Engine
gNMI	gRPC Network Management Interface
gNOI	gRPC Network Operations Interface
GNSS	Global Navigation Satellite System
GOP	Group of Pictures
GPON	Gigabit Passive Optical Network
GPRS	General Packet Radio Service
GPS	Global Positioning System
GR	Graceful Restart Guaranteed Restoration
GRACE	Graceful restart
GRE	Generic Routing Encapsulation
gRPC	gRPC Remote Procedure Call
GRT	Global Routing Table
GSMP	General Switch Management Protocol
GSU	Granted Service Unit
GTP	GPRS Tunneling Protocol

Acronym	Definition
GTP-U	GPRS Tunneling Protocol - User Plane
GUA	Global Unicast Address
GVRP	GARP VLAN Registration Protocol
GW-IP	Gateway-Internet Protocol

1.9 H

Table 9: H

Acronym	Definition
HA	High Availability
HAG	Hybrid Access Gateway
HCM	High Capacity Multiplexing Hardware Control Mode
HD	High Definition
HDLC	High-level Data Link Control protocol
HEC	Header Error Control
HGW	Home Gateway
HI	Handover Indication
HLI	High Loss Interval
HLR	Home Location Register
HMAC	Hash-based Message Authentication Code Hash Message Authentication Code
HLE	Home LAN Extension
H-OFS	Hybrid OpenFlow Switch
Hot	HEAT Orchestration Templates
HP	High Priority
H-POL	Hierarchical Policing
H-QoS	Hierarchical Quality of Service

Acronym	Definition
HSDPA	High-Speed Downlink Packet Access
HSDSL	High Speed Digital Subscriber Line
HSI	High Speed Internet
HSMDA	High Scale MDA
HSPA	High-Speed Packet Access
HSQ	High Scale QoS
HSS	Home Subscriber Service
HT	Host Tracking
HTTP	Hyper-Text Transfer Protocol
HTTPS	HTTP Secure
HVDC	High Voltage Direct Current
HVPLS	Hierarchical Virtual Private Line Service

1.10 I

Table 10: I

Acronym	Definition
IAD	Integrated Access Device
IAID	Identity Association Identification
IANA	Internet Assigned Numbers Authority
IA-NA	Identity Association for Non-Temporary Addresses
IA-PD	Identity Association for Prefix Delegation
IAPP	Inter Access Point Protocol
IBCP	In-Band Control Plane
IBGP	Interior Border Gateway Protocol
IBN	Isolated Bonding Network
IB-RCC	In-Band Ring Control Connection
ICAP	Internet Content Adaptation Protocol

Acronym	Definition
ICB	Inter-Chassis Backup
ICC	Inter-Card Communication
	ITU Carrier Code (ITU-T Y.1730)
ICCN	Incoming Call Connected
ICK	Integrity Connection Value Key
ICL	Inter-Chassis Link
ICMP	Internet Control Message Protocol
ICMPv6	Internet Control Message Protocol for IPv6
ICP	IMA Control Protocol
ICRQ	Incoming Call Request
ICV	Integrity Connection Value
IDi	Identification Indicator (an IKEv2 protocol payload)
IDr	Identification Responder
IDR	Instantaneous Decoding Refresh
IDS	Intrusion Detection System
IDU	InDoor Unit
IE	Information Element
IEEE	Institute of Electrical and Electronics Engineers
I-ES	Interconnect Ethernet-Segment
I-ESI	Interconnect Ethernet Segment Identifier
IES	Internet Enhanced Service
IETF	Internet Engineering Task Force
IFDV	InterFrame Delay Variation
IFF	Inbound FEC Filtering
IFG	Inter-Frame Gap
I-Frame	Intra-coded Frame
IGD	Internet Gateway Device
IGH	Interface Group Handler

Acronym	Definition
IGMP	Internet Group Management Protocol
IGP	Interior Gateway Protocol
IGRP	Interior Gateway Routing Protocol
IID	Instance ID
IIH	IS-IS Hello
IKE	Internet Key Exchange
iLDP	Interface Label Distribution Protocol
ILER	Ingress Label Edge Router
ILM	Incoming Label Map
IME	Interface Management Entity
IMEI	International Mobile Equipment Identity
IMEISV	International Mobile Equipment Identity and its Software Version
IMET	Inclusive Multicast Ethernet Tag
IMM	Integrated Media Module
IMPM	Ingress Multicast Path Management
IMSI	International Mobile Subscriber Identification
I/O	Input/Output
IOM	Input/Output Module
IOMMU	I/O Memory Management Unit
IP	Internet Protocol
IP-CAN	IP Connectivity Access Network
IPCC	IP Communication Channel IP Control Channel
IPFIX	IP Flow Information Export
IPG	Inter-Packet Gap
Ipipe	IP Pipe IP Interworking VLL
IPL	IP Length

Acronym	Definition
I-PMSI	Inclusive Provider Multicast Service Interface
IPoE	IP over Ethernet
IPS	Intrusion Prevention System
IPsec	IP Security
IPTV	Internet Protocol Television
IPv6	Internet Protocol version 6
IPv6CP	IPv6 Control Protocol
IP-VPN	Internet Protocol Virtual Private Network
IQ	Information/Query
IR	Ingress Replication
IRB	Integrated Routing and Bridging
IRI	Intercept Related Information
ISA	Integrated Service Adapter
ISA-AA	Integrated Service Adapter – Application Assurance
ISAKMP	Internet Security Association and Key Management Protocol
ISAKMP-SA	Internet Security Association and Key Management Protocol Security Association
ISAM	Intelligent Services Access Manager
ISID	I-component Service ID I-Service Instance Identifier
IS-IS	Intermediate System to Intermediate System
ISO	International Organization for Standardization
ISP	Internet Service Provider
ISSU	In-Service Software Upgrade
IST	Internal Spanning Tree
I-TAG	Service Instance TAG
ITU-T	International Telecommunications Union - Telecommunications
IWF	Interworking Function

1.11 J

Table 11: J

Acronym	Definition
JID	JabberID
JOLT	Java OnLine Transactions
JP	Join Prune

1.12 K

Table 12: K

Acronym	Definition
KAT	Keepalive Timer
KEX	Key Exchange
KPI	Key Performance Indicators
KVM	Kernel-based Virtual Machine

1.13 L

Table 13: L

Acronym	Definition
L2oGRE	Layer 2 over Generic Routing Encapsulation
L2TP	Layer 2 Tunneling Protocol
L2W	Layer 2 Wholesale
LA	Level Authority
LAA	Local Address Assignment
LAC	L2TP Access Concentrator
LACP	Link Aggregation Control Protocol
LAG	Link Aggregation Group

Acronym	Definition
L-AIS	Line Alarm Indication Signal
LAMP	Link Aggregation Marker Protocol
LAN	Local Area Network
LAND	Local Area Network Denial
LB	Label Base
	Loopback
LBM	Loopback Message
LBR	Loopback Reply
	Loopback Response
LCD	Loss of Cell Delineation
LCM	Life Cycle Management
LCP	Link Control Protocol
LDAP	Lightweight Directory Access Protocol
LDAPS	LDAP over SSL/STL
LDP	Label Distribution Protocol
LDPoRSVP	LDP over RSVP
LDRA	Lightweight DHCPv6 Relay Agent
LER	Label Edge Router
LFA	Loop-Free Alternate
LI	Lawful Intercept
LFI	Link Fragmentation and Interleaving
LIB	Label Information Base
LIF	Loss of IMA Frame
LIG	Lawful Intercept Gateway
LLA	Link Local Address
LLC	Link Layer Control
	Logical Link Control
LLDP	Link Layer Discovery Protocol

Acronym	Definition
LLDPDU	Link Layer Discovery Protocol Data Unit
LLF	Link Loss Forwarding
LLGR	Long Lived Graceful Restart
LLID	Loopback Location ID
LM	Loss Measurement
LMM	Loss Measurement Message
LMI	Local Management Interface
LMR	Loss Measurement Response
LMQ	Last Member Query
LNS	L2TP Network Server
LOC	Loss of Continuity
LODS	Link Out of Delay Synchronization
LOF	Loss of Frame
LOP	Loss of Packets
LoR	LDP over RSVP
LOS	Loss of Signal
LoT	Loss of Transmission Loss of Transport
LP	Low Priority Local Preference
LPM	Longest Prefix Match
LPN	Label per Next hop
LPP	Label per Prefix
LPT	Logical Port Type
LPT-S	Logical Port Type Subtype
LPT-V	Logical Port Type Value
LQR	Link Quality Report
LR	Labeled Route

Acronym	Definition
LSA	Link-State Advertisement
LSB	Least Significant Bit
LSDB	Link-State Database
LSN	Large-Scale NAT
LSP	Link-State PDU (for IS-IS) Label Switched Path
LSR	Link-state Request Label Switching Router
LSU	Link-State Update
LT	Linktrace
LTE	Line Termination Equipment Long Term Evolution
LTM	Linktrace Message
LTN	LSP ID to NHLFE
LTR	Linktrace Reply Linktrace Response
LTS	L2TP Tunnel Switching
LUB	Limit Unused Bandwidth
LUDB	Local User Data Base

1.14 M

Table 14: M

Acronym	Definition
MA	Maintenance Association
MA-ID	Maintenance Association Identifier
MAC	Media Access Control
MACsec	Media Access Control Security
MAF	Management Access Filter

Acronym	Definition
MAG-c	Multi-access Gateway-controller
MAM	Maximum Allocation Model
MAN	Metropolitan Area Network
MANO	Management and Orchestration
MAP-T	Mapping of Address and Port using Translation
MAR	Mobile Aggregation Router
MAT	MAC Address translation
MBB	Make-Before-Break
MBGP	Border Gateway Protocol with Multiprotocol extensions
MBH	Mobile BackHaul
MBR	Maximum Bit Rate
MBS	Maximum Buffer Size Maximum Burst Size Media Buffer Space
MBZ	Must Be Zero
MCAST	Multicast
MC-APS	Multichassis Automatic Protection Switching
MC-CTL	Multichassis Control Link
MC-EP	Multichassis Endpoint
MCID	Multicast Connection ID
MC-IPsec	Multichassis IPsec redundancy
MC-LAG	Multichassis Link Aggregation
MCAC	Multicast Connection Admission Control
MCC	Mobile Country Code
MCLT	Maximum Client Lead Time
MCM	MDA Carrier Module
MCR	Mobile Core Router
MC-RING	Multichassis Ring

Acronym	Definition
MCS	Multichassis Synchronization
MD	Maintenance Domain
MD5	Message Digest version 5 (algorithm)
MDA	Media Dependent Adapter
MD-CLI	Model-Driven CLI
MDI	Media Dependent Interface
MDL	Maintenance Data Link
MDT	Multicast Distribution Tree
MDU	Multiple Dwelling Unit
MDX	Media Dependent Interface with crossovers
ME	Maintenance Entity
MED	Multi-Exit Discriminator
MEF	Metro Ethernet Forum
MEG	Maintenance Entity Group MVPN-to-EVPN Gateway
MEP	Maintenance Association Endpoint Maintenance Endpoint
MEP-ID	Maintenance Association Endpoint Identifier
MF	More Fragment
MFD	Mean Frame Delay
MFIB	Multicast Forwarding Information Base
MG	Mobile Gateway
MH	Multihoming
MHD	Multihomed Device
MHF	MIP Half Function
MHN	Multihomed Network
MHP	Multihomed Prefix
MHV	Mirror Header Version

Acronym	Definition
MI	Member Identifier
MIB	Management Information Base
MIMP	MC-IPsec Mastership Protocol
MIP	Maintenance Domain Intermediate Point Maintenance Intermediate Points
MIR	Minimum Information Rate
MKA	MACsec Key Agreement
MLD	Multicast Listener Discovery
MLDP	Multicast Label Distribution Protocol
MME	Mobility Management Entity
MLT	Multilink Trunk
MMRP	Multiple MAC Registration Protocol
MN	Member Number
MNC	Mobile Network Code
MNO	Mobile Network Operator
MO	Managed Object
MoFRR	Multicast-only Fast Reroute
MOP	Maintenance Operational Procedure
MOS	Mean Opinion Score
MP	Merge Point Multilink Protocol
MP-TLV	Multi-part TLV
MPBGP	Multiprotocol Border Gateway Protocol
MPEG	Moving Picture Experts Group
MPLS	Multiprotocol Label Switching
MPLS-TP	Multiprotocol Label Switching - Transport Profile
MPLSCP	Multiprotocol Label Switching Control Protocol
MPTS	Multiprogram Transport Stream

Acronym	Definition
MR	Master Router
	Member Report
MRAI	Minimum Route Advertisement Interval
MRB	Maximum Reservable Bandwidth
MRIB	Multicast Routing Information Base
MRLB	Maximum Reservable Link Bandwidth
MRP	Multiservice Route Processor
MRRU	Maximum Received Reconstructed Unit
MRU	Maximum Receive Unit
MSA	Multisource Agreement
MSAN	Multiservice Access Node
MSAP	Managed Service Access Point
MSB	Most Significant Bit
MSC	Mobile Switching Center
MSCC	Multiple Services Credit Control
MSD	Maximum Stack Depth
MSDP	Multicast Source Discovery Protocol
MSDU	MAC Service Data Unit
MSFP	Multicast Switch Fabric Plane
MSISDN	Mobile Station International Subscriber Directory Number
MS-ISM	Multiservice Integrated Services Module
MSK	Master Session Key
MS-PW	Multisegment Pseudowire
MSR	Mobile Service Router
MSS	Multiservice Site
	Maximum Segment Size
MST	Multiple Spanning Tree
MSTI	Multiple Spanning Tree Instances

Acronym	Definition
MSTP	Multiple Spanning Tree Protocol
MSTV	Microsoft Television
MTBF	Mean Time Between Failures
MT-ID	Multitopology ID
MTSO	Mobile Telephony Switching Office
MTTR	Mean Time To Repair
MTU	Multitenant Unit Maximum Transmission Unit
MTU-r	Bridging-capable access device
MUX	Multiplex
M-VPLS	Management Virtual Private Line Service
MVPN	Multicast VPN
MVR	Multicast VPLS Registration
MVRP	Multiple VLAN Registration Protocol

1.15 N

Table 15: N

Acronym	Definition
NA	Neighbor Advertisements
NAI	National Access Identifier
NAK	Non-Acknowledgment
NAPT	Network Address and Port Translation
NAPTR	Name Authority Pointer
NAS	Network Access Server
NASREQ	Diameter Network Access Server Requirements
NAT	Network Address Translation
NBMA	Non-Broadcast Multiple Access network

Acronym	Definition
NBNS	NetBios Name Server
NC	Network Class
NCP	Network Control Protocol
NDcPP	Collaborative Network Device Protection Profile
NDF	Non-Designated Forwarder
NDP	Neighbor Discovery Protocol
NE	Network Element
NET	Network Entity Title
NetBIOS	Network Basic Input/Output System
NETCONF	Network Configuration Protocol
NFM-P	Nokia Network Functions Manager for Packet
NG-MVPN	Next-Generation Multicast VPN
NGE	Network Group Encryption
NH	Next-Hop
NHG	Next-Hop Group
NHLFE	Next-Hop Label Forwarding Entry
NHOP	Next-Hop
NIAP	National Information Assurance Partnership
NID	Network Interface Demarcation
NIST	National Institute of Standards and Technology
NLB-DEM	Non-Location Based DEM
NLPID	Network Level Protocol Identifier
NLRI	Network Layer Reachability Information
NMDA	Network Management Datastores Architecture
NMS	Network Management System
NNI	Network-to-Network Interface
NPA	Network Processor Array
NRT-VBR	Non-Real-Time Variable Bit Rate

Acronym	Definition
NS	Neighbor Solicitation Nonce Sum
NSAP	Network Service Access Point
NSAPI	Network Service Access Point Identifier
NSH	Next Signaling Hop
NSP	Network Services Platform
NSR	Nonstop Routing
NSSA	Not-So-Stubby Area
NTP	Network Time Protocol
NUMA	Non-uniform Memory Access
NVE	Network Virtualization Edge
NVO	Network Virtualization Overlay

1.16 O

Table 16: O

Acronym	Definition
OAM	Operation, Administration, and Management
OAMPDU	OAM Protocol Data Units
OAM-PM	Operation, Administration, and Management Performance Monitoring
OC3	Optical Carrier level 3
OCD	Out-of-Cell Delineation
OCS	Online Charging Server
OCSP	Online Certificate Status Protocol
ODSA	On-Demand Subnet Allocation
ODU	Optical channel Data Unit
OF	OpenFlow
OFPAT	OpenFlow Protocol Action Type

Acronym	Definition
OFS	OpenFlow Switch
OID	Object Identifier
OIF	Outgoing Interfaces
OIL	Outgoing Interface List
OISM	Optimized Inter-Subnet Multicast
OK	Operating Kernel
OKC	Opportunistic Key Caching
OLT	Optical Line Termination
OMA	Optical Modulation Amplitude
OMCR	Oversubscribed Multichassis Redundancy
ONT	Optical Network Terminal
OOB	Out-of-Band
OOF	Out-of-Frame
OOP	Out-of-Profile
OPDL	Option Data structure List
OPEX	Operating Expenditure Operational Expense
OPS	On-Path Support
OPU	Optical Payload Unit
ORF	Outbound Route Filtering
ORR	Optimal Route Reflection
OS	Operating System
OSF	Oversubscription Factor
OSI	Open Systems Interconnection (reference model)
OSICP	OSI Control Protocol
OSINLCP	OSI Network Layer Control Protocol
OSPF	Open Shortest Path First
OSPFIGP	Open Shortest Path First Interior Gateway Protocol

Acronym	Definition
OSPF-TE	OSPF-Traffic Engineering (extensions)
OSS	Operations Support System
OT	Over-Temperature
OTN	Optical Transport Network
OTU	Optical Transport Unit
OUI	Organizationally Unique Identifier
OVA	Open Virtual Application
OVF	Open Virtualization Format
OVS	Open Virtual Switch
OWAMP	One-Way Active Measurement Protocol
OXC	Optical Cross-connect

1.17 P

Table 17: P

Acronym	Definition
P2MP	Point-to-Multipoint
P2P	Point-to-Point Peer-to-Peer
PAA	PDN Address Allocation
PADI	PPPoE Active Discovery Initiation
PADO	PPPoE Active Discovery Offer
PADR	PPPoE Active Discovery Request
PADS	PPPoE Active Discovery Session-confirmation
PADT	PPPoE Active Discovery Terminate
PAE	Port Authentication Entities
PAGP	Port Aggregation Protocol
PAP	Password Authentication Protocol

Acronym	Definition
PASTE	Provider Architecture for Differentiated Services and Traffic Engineering
PAT	Program Association Table
PAYG	Pay-As-You-Grow
PBB	Provider Backbone Bridging
PBBN	Provider Backbone Bridge Network
PBF	Policy-Based Forwarding
PBKDF2	Password-Based Key Derivation Function 2
PBO	Packet-Byte-Offset
PBR	Policy-Based Routing
PBT	Port-Based Timestamping
PCAP	Packet Capture
PCC	Path Computation Element Client Policy and Charging Control
PCE	Path Computation Element
PCEF	Policy and Charging Enforcement Function
PCEP	Path Computation Element Protocol
PCM	Pulse Code Modulation
PCO	Protocol Configuration Option
PCP	Priority Code Point Port Control Protocol Port Control Policy
PCR	Peak Cell Rate Proprietary Clock Recovery
PCRF	Policy and Rule Charging Function
PCS	Physical Coding Sublayer
PD	Prefix Delegation
PDCP	Packet Data Convergence Protocol
PDN	Packet Data Network

Acronym	Definition
PDP	Packet Data Protocol
	Policy Decision Point
PDSN	Packet Data Serving Node
PDU	Protocol Data Units
PDV	Packet Delay Variation
PE	Provider Edge Router
PEA	Provider Edge A
PEB	Provider Edge B
PE-rs	Provider Edge Router (routing and bridging capable)
PEAP	Protected EAP
PEG	PIM-to-EVPN Gateway
PEP	Policy Enforcement Point
PEM	Privacy Enhanced Mail
PES	Packetized Elementary Stream
PESQ	Perceptual Evaluation of Speech Quality
PFC	Protocol Field Compression
PFCP	Packet Forwarding Control Protocol
PFS	Perfect Forward Secrecy
P-Frame	Predicted Frame
PFSG	Pool Fate Sharing Group
PG-ID	Protect Group ID
PGW	PDN Gateway
PHB	Per-Hop Behavior
PHP	Penultimate Hop Popping
PHY	Physical layer
PIC	Prefix Independent Convergence
PID	Packet Identifier
	Protocol Identifier

Acronym	Definition
PIM	Protocol Independent Multicast
PIM-DM	Protocol Independent Multicast-Dense Mode
PIM-SM	Protocol Independent Multicast – Sparse Mode
PIO	Prefix Information Option
PIP	Picture-in-Picture
PIR	Peak Information Rate
PKCS	Public Key Cryptography Standards
PKI	Public Key Infrastructure
PLCP	Physical Layer Convergence Protocol
PLM	Payload Mismatch
PLMN	Public Land Mobile Network
PLR	Point of Local Repair
PM	Path Monitoring
PMSI	P-Multicast Service Interface
PMSTP	Provider Multi-Instance Spanning Tree Protocol
PMT	Program Map Table
PMTU	Path Maximum Transmission Unit
PN	Packet Number Pseudo-Node
PNNI	Private Network-to-Network Interface
PO	Protected Object
POA	Program Off Air
POI	Purge Originator Identification
PON	Passive Optical Network
POP	Points of Presence
POS	Packet over SONET
PPID	Payload Protocol Identifier
PPP	Point-to-Point Protocol

Acronym	Definition
PPPoE	Point-to-Point Protocol over Ethernet
PPS	Packets per Second
PPTP	Point-to-Point Tunneling Protocol
PQR	Picture Quality Rating
PRC	Path Restoration Combined Primary Reference Clock
PRF	Pseudorandom Function
PRI	Packet Priority
PRTC	Primary Reference Time Clock
PSB	Path State Block
PSC	Protection Switching Coordination
PSCP	Programmable Subscriber Configuration Policy
PSD	Protection Switching Duration
PSH	Push
PSI	Payload Structure Identifier
PSK	Pre-Shared Key
PSM	Peer State Machine
PSN	Packet-Switched Network
PSNP	Partial Sequence Number PDU
PSNR	Peak Signal-to-Noise Ratio
PST	Path Setup Type
PT	Payload Type
PTA	PMSI Tunnel Attribute PPP Termination Aggregation
PTB	Packet Too Big
PTI	Payload Type Indicator
PTSF	Packet Timing Signal Fail
PTP	Performance Transparency Protocol

Acronym	Definition
	Precision Time Protocol
PVC	Permanent Virtual Circuit
PVCC	Permanent Virtual Channel Connection
PVP	Permanent Virtual Path
PVPC	Permanent Virtual Path Connection
PVST	Per VLAN STP
PW	Pseudowire
PWE	Pseudowire Emulation
PWE3	Pseudowire Emulation Edge-to-Edge
PW FWD	Pseudowire Forwarding
PXC	Port Cross-Connect

1.18 Q

Table 18: Q

Acronym	Definition
Q.922	ITU-T Q-series Specification 922
QCI	QoS Class Identifier
QCOW2	Virtual disk image format supported by QEMU
QEMU	Quick Emulator
QER	QoS Enforcement Rule
QL	Quality Level
QL-DNU	Quality Level-Do Not Use
QL-DUS	Quality Level-Don't Use for Synchronization
QoE	Quality of Experience
QoS	Quality of Service
QPPB	QoS Policy Propagation via BGP
QSFP	Quad Small Form-factor Pluggable

1.19 R

Table 19: R

Acronym	Definition
RA	Router Advertisement
	Route Advertise
	Remote Access
RAA	Re-Authentication Answer
RADIUS	Remote Authentication Dial In User Service
RAI	Routing Area Identity
RAM	Reporting and Analysis Manager
RAN	Radio Access Network
R-APS	Ring Automatic Protection Switching
RAR	Re-Authentication Request
RAS	Remote Access Server
RAT	Radio Access Type
	Radio Access Technology
RBOC	Regional Bell Operating Company
RBS	Robbed Bit Signaling
RC	Result Code
RCO	Routed Central Office
RD	Route Distinguisher
RDI	Remote Defect Indication
RDL	Remote Digital Loopback
RDM	Russian Doll Model
RDNSS	Recursive DNS Server
RE	Regular Expression
RED	Random Early Discard
RESV	Reservation

Acronym	Definition
RET	Retransmission
RFC	Request for Comments
RFD	Route Flap Damping
RFI-IMA	IMA Remote Failure Indication
RG	Routed Gateway
RGW	Residential Gateway
RHEL	Real Hat Enterprise Linux
RI	Router Information Ring Indicator
RIB	Routing Information Base
RIB-IN	Routing Information Base – inbound
RIB-OUT	Routing Information Base – outbound
RIP	Routing Information Protocol
RNC	Radio Network Controller
RLFA	Remote Loop-Free Alternate
RNCV	Ring Node Connectivity Verification
RMON	Remote Network Monitoring
ROA	Route Origin Authorization
RP	Rendezvous Point
RPC	Remote Procedure Call
RPA	RP Address
RPF	Reverse Path Forwarding
RPKI	Resource Public Key Infrastructure
RPL	Ring Protection Link
RPS	Radio Protection Switching
RPT	Rendezvous-Point Tree
RR	Reporting Reason Route Reflector

Acronym	Definition
RRO	Record Route Object
RS	Router Solicitation
RS-FEC	Reed-Solomon Forward Error Correction
RSA	Rivest, Shamir, and Adleman (authors of the RSA encryption algorithm)
RSB	Reservation State Block
RSC	Return Sub-Code
RSHG	Residential Split Horizon Group
RSS	Receive Side Scaling
RSSI	Received Signal Strength Indication
RST	Reset
RSTP	Rapid Spanning Tree Protocol
RSU	Requested Service Unit
RSVP	Resource Reservation Protocol
RSVP-TE	Resource Reservation Protocol – Traffic Engineering
RT	Receive/Transmit
RT-VBR	Real-Time Variable Bit Rate
RTC	Route Target Constraint
RTCP	RTP Control Protocol
RTM	Routing Table Manager
RTMP	Real-Time Messaging Protocol
RTMPE	Encrypted Real Time Messaging Protocol
RTMPT	Tunneled Real Time Messaging Protocol
RTP	Real-Time Transport Protocol
RTS	Request To Send
RTSP	Real-Time Streaming Protocol
RTT	Round Trip Time
RTU	Right To Use

Acronym	Definition
R-VPLS	Routed Virtual Private LAN Service
RxDTV	Receive Decision Threshold Voltage

1.20 S

Table 20: S

Acronym	Definition
S2L	Source-to-leaf
S-A	Source-Active
SA	Security Association
SAA	Service Assurance Agent
SAC	State Advertisement Control
SAFI	Subsequent Address Family Identifier
SAI	Service Area Identity Secure Association Identifier
SAII	Source Access Individual Identifier Source Attachment Individual Identifier
SAK	Security Association Key
SaMOG	S2a Mobility based on GPRS Tunneling Protocol
SAP	Service Access Point Subscriber Access Point
SASE	Stand Alone Synchronization Equipment
SAToP	SAToP Structure-Agnostic TDM over Packet
SBAU	Shared Buffer Average Utilization
SBD	Supplementary Broadcast Domain
SBR	Source-Based Reroute
SBU	Shared Buffer Utilization
SC	Security Channel
SCCCN	Start-Control-Connection-Connected

Acronym	Definition
SCCRP	Start-Control-Connection-Reply
SCCRQ	Start-Control-Connection-Request
SCI	Secure Channel Identifier
SCP	Secure Copy
SCR	Sustained Cell Rate
SCTE	Society of Cable Telecommunications Engineers
SCTP	Stream Control Transmission Protocol
SCUR	Session Charging with Unit Reservation
SD	Signal Degrade Space Diversity
SDH	Synchronous Digital Hierarchy
SDK	Software Development Kit
SDN	Software Defined Network
SDP	Service Destination Point
SDSL	Symmetric Digital Subscriber Line
SDU	Service Data Unit
SE	Shared Explicit
SecTAG	Security TAG
SecTP	Security Termination Policy
SecY	MAC Security Entity
SeGW	Secure Gateway
SeND	Secure Neighbor Discovery
SERO	Secondary ERO
SES	Severely Errored Second
SETS	Synchronous Timing Equipment Subsystem
SF	Signal Fail Super Frame
SFF	Small Form Factor

Acronym	Definition
SFM	Switch Fabric Module
SFP	Small Form-factor Pluggable (transceiver)
SFTP	Secure File Transfer Protocol
SGSN	Serving GPRS Support Node
SGT	Self-Generated Traffic
SGW	Serving Gateway
SHA	Secure Hash Algorithm
SHCV	Subscriber Host Connectivity Verification
SHG	Split Horizon Group
SI	Service Information Set ID
SID	Segment ID
SIDR	Secure Inter-Domain Routing
SIM	Subscriber Identity Module
SIP	Session Initiation Protocol
SIR	Sustained Information Rate
SL	Synthetic Loss Short Length
SL2L	Site-to-LAN
SLA	Service Level Agreement
SLAAC	Stateless Address Auto-Configuration
SLARP	Serial Line Address Resolution Protocol
SLM	Synthetic Loss Message
SLR	Static Labeled Routes Synthetic Loss Reply
SM	Section Monitoring
SMBIOS	System Management BIOS
SMAC	Source MAC Address
SMGR	Service Manager

Acronym	Definition
SMTP	Simple Mail Transfer Protocol
SNA	System Network Architecture
SNAP	Subnetwork Access Protocol
SNAPT	Source Network Address and Port Translation
SNCP	Sub-Network Connection Protection
SNI	Server Name Indicator
SNMP	Simple Network Management Protocol
SNPA	Subnetwork Point of Attachment
SNR	Signal to Noise Ratio
SNTP	Simple Network Time Protocol
SOAM	Service OAM
SONET	Synchronous Optical Network
SOO	Site of Origin
SP	Service Provider
SPB	Shortest Path Bridging
SPBM	Shortest Path Bridging MAC Mode
S-PE	Switching Provider Edge router
SPF	Shortest Path First Static Port Forward
SPI	Security Parameter Index
SPI	SLA Profile Instance
S-PMSI	Selective Provider Multicast Service Interface
SPT	Shortest Path Tree
SPTS	Single-Program Transport Stream
SQE	Signal Quality Error
SQN	Sequence Number
SR	Segment Routing Service Router (7750 SR)

Acronym	Definition
SRGB	Segment Routing Global Block
SRH	Segment Routing Header
SRLB	Segment Routing Local Block
SRLG	Shared Risk Link Group
SRRP	Subscriber Routed Redundancy Protocol
SRPY	Service Router Python
SR-IOV	Single Root I/O Virtualization
SR-MS	Segment Routing Mapping Server
SR-TE	Segment Routing Traffic Engineering
SSD	Solid State Drive
SSDP	Simple Service Discovery Protocol
SSH	Secure Shell
SSL	Secure Socket Layer
SSM	Source-Specific Multicast Synchronization Status Messages Synchronization Status Messaging
SSRC	Synchronization Source
SSU	System Synchronization Unit Synchronization Supply Unit
STA	Session-Termination-Answer
STAMP	Simple Two-Way Active Measurement Protocol
S-TAG	Service VLAN tag
STB	Set Top Box
STM1	Synchronous Transport Module, level 1
STP	Spanning Tree Protocol
STR	Session-Termination-Requests
STS	Synchronous Transport Signal
STUN	Session Traversal Utilities for NAT

Acronym	Definition
SVC	Switched Virtual Circuit
SVID	Stacked VLAN ID
S-VLAN	Service Provider VLAN
SYN	Synchronize
SyncE	Synchronous Ethernet

1.21 T

Table 21: T

Acronym	Definition
TAC	Technical Assistance Center
TACACS+	Terminal Access Controller Access-Control System Plus
TAF	Time Average Factor
TAI	Tracking Area Identifier
TAU	Tracking Area Update
TAII	Target Attachment Individual Identifier
TC	Traffic Class (formerly known as EXP bits)
TCA	Threshold Crossing Alert Traffic Crossing Alert
TCAM	Ternary Content Addressable Memory
TCI	TAG Control Information
TCN	Topology Change Notification
TCP	Transmission Control Protocol
TCP-AO	TCP Authentication Option
TCSB	Traffic Control State Block
TDF	Traffic Detection Function
TDM	Time Division Multiplexing
TDP-ID	Time Descriptor Policy Identifier

Acronym	Definition
TE	Traffic Engineering
TED	Traffic Engineering Database
TEI	Transport Error Identifier
TEID	Tunnel Endpoint Identifier
TEP	Tunnel Endpoint
TFN	Tribe Flood Network
TFTP	Trivial File Transfer Protocol
TI-LFA	Topology-Independent Loop-Free Alternate
TIM	Trace Identifier Mismatch
T-LDP	Targeted LDP
TLS	Transport Layer Security
TLV	Type Length Value
TM	Traffic Management
TNC	Technically Non-Conformant
TNS	Transparent Network Substrate
ToD	Time of Day
TOR	Top-of-Rack
ToS	Type-of-Service
T-PE	Terminating Provider Edge router
TPID	Tag Protocol Identifier
TPIF	IEEE C37.94 Teleprotection Interface
TPMR	Two-Port MAC Relay
TPSDA	Triple Play Service Delivery Architecture
TS	Transport Stream
TSH	TTL Security Hack
TTI	Trail Trace Identifier
TTL	Time to Live
TTLS	Tunneled Transport Layer Security

Acronym	Definition
TTM	Tunnel Table Manager
TVL	Type Value Length
TWAMP	Two-Way Active Measurement Protocol
TWAN	Trusted WLAN Access Network

1.22 U

Table 22: U

Acronym	Definition
U-APS	Unidirectional Automatic Protection Switching
uBFD	Micro Bidirectional Forwarding Detection
UBR	Unspecified Bit Rate
UDLD	Uni-directional Link Detection
UDP	User Datagram Protocol
UE	User Equipment
UEFI	Unified Extensible Firmware Interface
UFD	Unidirectional Forwarding Detection
ULI	User Location Information
ULIC	UMTS Lawful Intercept Correlation Header
UM	Usage Monitoring
UMH	Upstream Multicast Hop
UMTS	Universal Mobile Telecommunications System (3G)
UNI	User-to-Network Interface
UNC	Usage Parameter Control
UPF	User Plane Function
UPnP	Universal Plug and Play
URG	Urgent
URI	Uniform Resource Identifier

Acronym	Definition
URL	Uniform Resource Locator
uRPF	Unicast Reverse Path Forwarding
URR	Usage Reporting Rule
USM	User-based Security Model
USU	Used Service Unit
UTC	Coordinated Universal Time
UTF	Unicode Transformation Format
UTM	Unified Threat Management
UUI	User-to-User Indication

1.23 V

Table 23: V

Acronym	Definition
VACM	View-based Access Control Model
VAS	Value Added Service
VBO	VE Block Offset
VBR	Variable Bit Rate
VBS	VE Block Size
VC	Virtual Circuit Virtual Channel
VCC	Virtual Channel Connection
VCCV	Virtual Circuit Connectivity Verification
vCD	vCloud Director
VCI	Virtual Channel Identifier
VC-ID	Virtual Circuit Identifier
VCL	Virtual Channel Link
VCP	Virtual Core Port

Acronym	Definition
VDSL	Very-High-Bit-Rate DSL
VE	VPLS Edge
VE-ID	VPWS Edge Identifier
VF	Virtual Function
vFP	Virtual Forwarding Plane
V-GW	Visited WLAN-GW
VID	VLAN ID
VIM	Virtualized Infrastructure Manager
VLAN	Virtual LAN
VLL	Virtual Leased Line
VM	Virtual Machine
VMAC	Virtual MAC Address
VMDK	Virtual Machine Disk
vMEPs	Virtual MEPS
VNF	Virtual Network Function
VNFD	Virtual Network Function Descriptor
VNFM	Virtualized Network Function Manager
VNFO	Virtualized Network Function Orchestrator
VNI	VXLAN Network Identifier
VoD	Video on Demand
VoIP	Voice over IP
VP	Virtual Path
VPC	Virtual Path Connection
VPI	Virtual Path Identifier
VPL	Virtual Path Link
VPLS	Virtual Private LAN Service
VPN	Virtual Private Network
Vport	Virtual Port

Acronym	Definition
VPRN	Virtual Private Routed Network
VPWS	Virtual Private Wire Service
VQM	Video Quality Monitoring
VRF	Virtual Routing and Forwarding table
vRGW	Virtual Residential Gateway
VRID	Virtual Router ID
VRP	Validated ROA Payload
VRRP	Virtual Router Redundancy Protocol
VRS	Virtual Routing and Switching
VSA	Vendor-Specific Attribute
VSC	Virtual Services Controller
VSD	Virtual Services Directory
VSG	Virtual Services Gateway
VSI-ID	Virtual Switch Instance identifier
VSM	Vendor-Specific Message Versatile Service Module
VSO	Vendor-Specific Option
VSP	Virtual Services Platform
VSR	Virtualized Service Router
VSR-a	Virtualized Service Router Appliance
VSR-I	Integrated Model for the Virtualized Service Router
VSTQ	Video Service Transmission Quality
VT	Validity Time Virtual Trunk
VT-d	Virtualization Technology for Directed I/O
VT-x	Virtualization Technology for x86 processors
VTEP	VXLAN Tunnel Endpoint
VTP	Virtual Trunk Protocol

Acronym	Definition
VXLAN	Virtual eXtensible Local Area Network

1.24 W

Table 24: W

Acronym	Definition
WAC	WiMAX Access Controller
WAN	Wide Area Network
WAP	Wireless Application Protocol
WDRR	Weighted Deficit Round Robin
WFQ	Weighted Fair Queuing
WINS	Windows Internet Name Service
WLAN	Wireless Local Area Network
WLAN-GW	WLAN Gateway
WPP	Web Authentication Protocol Wireless Portal Protocol
WRED	Weighted Random Early Detection Weighted Random Early Discard
WRR	Weighted-Round-Robin
WTB	Wait to Block
WTR	Wait to Restore

1.25 X

Table 25: X

Acronym	Definition
x2APIC	x2 Advanced Programmable Interrupt Controller
X.21	ITU-T X-series Recommendation 21
XFP	10 Gigabit Small Form Factor Pluggable

Acronym	Definition
XMA	XRS Media Adapter
XML	eXtensible Markup Language
XMPP	eXtensible Messaging and Presence Protocol
XPN	eXtended Packet Number
XRO	Exclude Route Objects

1.26 Z

Table 26: Z

Acronym	Definition
ZTP	Zero Touch Provisioning

Customer document and product support

Customer documentation
Customer documentation welcome page

Technical support
Product support portal

Documentation feedback
Customer documentation feedback