

Chapter 18

Abbreviations

The following table includes the abbreviations used throughout the SDX documentation.

Abbreviation	Description
3GPP	3rd Generation Partnership Project
AAA	authentication, authorization, and accounting
AATV	authentication/authorization transfer vector
ACI	access control information
ACP	Admission Control Plug-In
ADSL	asymmetric digital subscriber line
AES	Advanced Encryption Standard
AH	authentication header
API	application programming interface
A-RACF	access-resource and admission control function
ASCII	American Standard Code for Information Interchange
ASP	■ application service provider ■ Adaptive Services PIC
ATM	Asynchronous Transfer Mode
AVP	attribute value pair
BCID	billing correlation identifier
BEEP	Blocks Extensible Exchange Protocol
BGF	border gateway function
BNF	Backus-Naur Format
BoD	bandwidth on demand
BOOTP	A bootstrap protocol
B-RAS	Broadband Remote Access Server
CA	certificate authority
CHAP	Challenge Handshake Authentication Protocol
CIDR	classless interdomain routing
CIM	Common Information Model
CLEC	competitive local exchange carrier

Abbreviation	Description
CLI	command-line interface
CMTS	cable modem termination system
COPS	Common Open Policy Service
COPS-PR	COPS usage for policy provisioning
CORBA	Common Object Request Broker Architecture
COS	Common Object Services
CoS	class of service
CSR	certificate signing request
DA	destination address
DCE	Distributed Computing Equipment
DCU	destination class usage
DES	directory eventing system
DHCP	Dynamic Host Configuration Protocol
DISP	Directory Information Shadowing Protocol
DIT	directory information tree
DMTF	Distributed Management Task Force
DN	distinguished name
DNS	Domain Name System
DOCSIS	Data over Cable Service Interface Specifications
DSCP	Differentiated Services (DiffServ) code point
DSL	digital subscriber line
DSLAM	digital subscriber line access multiplexer
DSML	Directory Services Markup Language
DSP	Directory Service Protocol
DTD	document type definition
EAR	enterprise archive (file format)
EASP	Enterprise Access Service Portal
EGP	exterior gateway protocol
EJB	Enterprise JavaBean
ESP	Encapsulating Security Payload
ETSI	European Telecommunications Standards Institute
FEID	financial entity identifier
FMC	fixed mobile convergence
FSM	finite state machine
FTP	File Transfer Protocol
GAL	Gateway Application Logic
GIF	graphic interchange format
GMT	Greenwich Mean Time
GRE	generic routing encapsulation

Abbreviation	Description
GUI	graphical user interface
HFC	hybrid fiber coaxial
HTML	HyperText Markup Language
HTTP	HyperText Transfer Protocol
HTTPS	Secure HyperText Transfer Protocol
ICMP	Internet Control Message Protocol
ID	identification (identifying; identifier)
IDE	integrated development environment
IDL	interface definition language
IDP	Intrusion Detection and Prevention
IETF	Internet Engineering Task Force
IGMP	Internet Group Management Protocol
IIOB	Internet Inter-ORB Protocol
ILEC	incumbent local exchange carrier
IMAP	Internet Message Access Protocol
IMS	IP multimedia subsystem
IOR	interoperable object reference
IP	Internet Protocol
IPCP	Internet Protocol Control Protocol
IPSCS	IP Service Control System (product name from Ellacoya Networks)
ISDN	Integrated Services Digital Network
ISO	International Organization for Standardization
ISP	Internet service provider
IT	information technology
J2EE	Java 2 Platform, Enterprise Edition
J2SE	Java 2 Platform, Standard Edition
JAR	Java archive (file format)
JKS	Java Keystores
JMS	Java Message Service
JMX	Java Management Extension
JNDI	Java Naming and Directory Interface
JRE	Java Runtime Environment
JSP	JavaServer Pages
JVM	Java Virtual Machine
KB	kilobyte(s)
L2TP	Layer 2 Tunneling Protocol
LAN	local area network
LAS	local authorization service

Abbreviation	Description
LDAP	Lightweight Directory Access Protocol
LDAPS	LDAP over SSL
LDIF	LDAP Data Interchange Format
LNS	L2TP network server
LSA	link-state advertisement
MAC	Media Access Control
Mb	megabit(s)
MB	megabyte(s)
MBeans	manageable JavaBeans
MD5	Message Digest 5
MI	management information
MIB	Management Information Base
MPLS	Multiprotocol Label Switching
MSO	multiple service operator
MTU	maximum transmission unit
mutex	mutually exclusive
NAT	Network Address Translation
NBNS	NetBIOS Name Server
NGN	next-generation network
NIC	network information collector
NRTPS	non-real-time polling service
OID	object identification
ORB	object request broker
OS	operating system
OSM	object state manager
OSMW	object state manager for the Web
OSPF	Open shortest Path First
OSS	operations support system
PCIM	Policy Core Information Model
PCMM	PacketCable Multimedia Specification
PDF	portable document file
PDP	policy decision point
PEP	policy enforcement point
PFS	Perfect Forward Secrecy
PIB	Policy Information Base
PIM	Protocol Independent Multicast
PLP	packet loss priority
POP	point of presence
PPP	Point-to-Point Protocol

Abbreviation	Description
PPPoE	Point-to-Point Protocol over Ethernet
PTA	PPP Terminated Aggregation
QoS	quality of service
QTP	QoS-tracking plug-in
RACS	resource and admission control subsystem
RADIUS	Remote Authentication Dial-In User Service
RAS	Remote Access Server
RCEF	resource control enforcement function
RDBMS	relational database management system
RDN	relative distinguished name
RED	random early detection
RF	radio frequency
RKS	record-keeping server
RPC	remote procedure call
RSpec	service request specification
RSVP	Resource Reservation Protocol
RTPS	real-time polling service
RTSP	Real Time Streaming Protocol
SA	source address
SAC	service activation context
SAE	service activation engine
SCU	source class usage
SDK	Software Development Kit
SDX	Service Deployment System
SHA	Secure Hash Algorithm
SID	Oracle System Identifier
SIP	Session Initiation Protocol
SLE	service logic engine
SNMP	Simple Network Management Protocol
SOAP	Simple Object Access Protocol
SPDF	service policy decision function
SPI	<ul style="list-style-type: none"> ■ security parameter index ■ service provider interface
SSC	Service Selection Center – no longer used; now SDX
SSL	Secure Sockets Layer
SSM	service and subscriber management
SSP	Service Selection Portal
TCP	Transmission Control Protocol
TFTP	Trivial File Transfer Protocol

Abbreviation	Description
TISPAN	Telecommunications and Internet Converged Services and Protocols for Advanced Networks
TLS	Transport Layer Security
ToS	type of service
TSpec	traffic specification
TTL	<ul style="list-style-type: none"> ■ time to live ■ time-to-live
UDP	User Datagram Protocol
UGS	unsolicited grant service
UGS-AD	unsolicited grant service with activity detection
UML	Unified Modeling Language
URI	Uniform Resource Indicator
URL	Uniform Resource Locator
UTF-8	Unicode Transformation Format-8
UUID	universal unique identifier
VLAN	virtual local area network
VoIP	voice over Internet Protocol
VPN	virtual private network
VR	virtual router
VSA	vendor-specific attribute (RADIUS)
VTA	Volume-Tracking Application
WAR	Web archive (file format)
WDSL	Web Services Description Language
Wi-Fi	wireless fidelity
WINS	Windows Internet Name Service (Microsoft)
XDR	External Data Representation Standard
XML	Extensible Markup Language
XSLT	Extensible Stylesheet Language Transformation