



Glossary

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The following glossary terms and acronyms may be used in this document.

A

AAA	authentication, authorization, and accounting
AAL	ATM adaptation layer
AAL1	ATM adaption layer 1
AAL2	ATM adaption layer 2
AAL3/4	ATM adaption layer 3 and 4
AAL5	ATM adaption layer 5
ABM	Asynchronous Balanced Mode
AC	automatic callback
AC_ACT	Automatic callback activation
AC_DEACT	Automatic callback deactivation
ACL	automatic congestion level
ACR	Anonymous call rejection
ACR_ACT	ACR activation code
ACR_DEACT	ACR deactivation code
ADI	activation, deactivation and interrogation
ADM	Administration, Diagnostics, and Maintenance
AIN	Advanced Intelligent Network
Airlines	airlines information and reservation
AMA	Automated Message Accounting
ANI	automatic number identification
ANNC	announcement

Annex E	Connection Over UDP—Relates to sending signaling over UDP (User Data Protocol) for quicker call establishment. UDP does not replace TCP/IP. Annex E optimizes the gatekeeper-routed call model.
Annex F	Inter-Domain Communications—A domain is several zones grouped together. Inter-domain communications focuses on address resolution between domains.
ANS	announcement server
APP	application
AR	automatic recall
AR_ACT	Automatic recall activation
AR_DEACT	Automatic recall deactivation
ASPC	analog stored program control switch
AT	access tandem
ATM	Asynchronous Transfer Mode
AUEP	Audit Endpoint
B	
B Channel	bearer channel
BAF	Bellcore AMA Format
BCID	billing correlation identifier
BCM	Basic Call Module
BDMS	Bulk Data Management System of the Cisco BTS 10200 Softswitch.
BE	best effort
BEC	Backward Error Correction
Bit	binary digit
Block-DA	Block Directory Assistance.
Block-INTL	Block International Operator Assistance
Block-TW	Block Time and Weather
BLV	Busy Line Verification
BOC	Bell Operating Company
BRI	Basic Rate Interface
BTS	Broadband Telephony Services

C

CA	Call Agent. Component of the Cisco BTS 10200 Softswitch.
CA-Config	Call Agent configuration
CALEA	Communications Assistance for Law Enforcement Act
CALLp	call processing
CAP	competitive access provider
CAS	channel-associated signaling
CAS-TG	channel-associated signaling trunk group
CAT	customer access treatment
CBLK	Call block—reject caller
CBR	constant bit rate
CC	country code or courtesy call
CCC	call content channel
CCM	Cisco CallManager
CC-NN	country code—national number
CCR	continuity check request message
CCSS7	Common Channel Signaling System 7
CCT	circuit
CCW	Cancel call waiting
CDB	call detail block
CDC	call data channel
CDP	Customize dial plan
CDR	call detail record
Centrex	Central Office Exchange
CFB	call forwarding busy
CFBI	Call forwarding busy interrogation
CFBVA	Call forwarding busy activation
CFBVD	Call forwarding busy deactivation
CFC	Call forwarding combination

CFC_ACT	Call forwarding combination activation
CFC_DEACT	Call forwarding combination deactivation
CFC_DN_CHG_ACT	Call forwarding combination DN change with activation
CFCI	CFC interrogation with DN verification
CFCI_NO_DN_VRFY	CFC interrogation with no DN verification
CFN	confusion message
CFNA	call forwarding no answer
CFNA	Call forwarding no answer
CFNAI	CFNA variable interrogation
CFNAVA	CFNA variable activation
CFNAVD	CFNA variable deactivation
CFU	call forwarding unconditional
CFUA	CFU activation
CFUD	CFU deactivation
CFUI	CFU interrogation
CFVABBG	Call forwarding variable activation for business groups
CHD	Call hold
CIC	Circuit Identification Code
CIC	Carrier Identification Code. A unique 3- or 4-digit access identification code assigned by Telcordia (formerly Bellcore). It identifies the long-distance carrier of a caller.
CIDCW	call identity with call waiting
CIDCW	Caller ID with call waiting
CIDS	Calling identity delivery and suppression per call
CIDSD	Calling identity delivery and suppression, delivery part per call
CIDSS	Calling identity delivery and suppression, suppression part per call
CIP	carrier information parameter
Cisco BTS 10200	Cisco System's Broadband Telephony Services Softswitch 10200
CLEC	competitive local exchange carrier
CLH	circular line hunt

CLI	command-line interface
CLIP	calling line information presentation
CLIP	Calling line identity presentation
CLIR	calling line information restriction
CLIR	Calling line identity restriction
CLLI	Common Language Location Identifier. An 11-character descriptor field assigned to a class 4/5 switch.
CM	cable modem
CMS	call management system
CMTS	Cable Modem Termination System
CNAB	calling name delivery blocking
CNAB	Calling name delivery blocking
CNAM	Calling name
CND	Calling number delivery
CNDB	calling number delivery blocking
CNM	Connection Manager
CO	Central Office
CONFIG	configuration
COPS	Common Open Policy Service
COS	Class of service screening
COT	continuity test
COT	Customer-originated trace
CPL	Command Privilege Level
CPOL	Cisco Patent On-line
CPRK	Call park access code
CPRK_RET	Call park retrieval access code
CPSG-ID	call park subscriber group identification
CPU	central processing unit
CRA	circuit reservation acknowledgement
CRCX	MGCP create connection message type

CRG	charge information (message)
CRM	circuit reservation message
CRMCRA	circuit reservation message/circuit reservation acknowledgment
CT	call transfer
CVR	circuit validation response
CVT	circuit validation test
CW	call waiting
CWD	call waiting deluxe
D	
D Channel	data channel
DA	directory assistance
DACWI	distinctive alerting/call waiting on incoming on DID calls
DA-CWI	distinctive alerting/call waiting on incoming
DA-Toll	1+411, 1+NPA-555-1212 calls.
DChan-Port	D-Channel Port Number
DChan-Slot	D-Channel Slot
DHCP	Dynamic Host Control Protocol
DID	direct inward dialing
DID/DNIS	direct inward dialing/Dialed Number Identification Service
DLCX	MGCP delete connection message type
DN	directory number
DND	do not disturb
DND_ACT	do not disturb activation
DND_DEACT	do not disturb deactivation
DNIS Pattern	Dialed Number ID Service
DNS	Domain Name Server
DOCSIS	Data Over Cable System Interface Specification
DOW	day of week
DOY	date of year

DP	detection point
DPC	destination point code
DPN	directed call pickup with barge-in
DPU	directed call pickup
DQOS	dynamic quality of service
DRCW	distinctive ringing call waiting
DRCW_ACT	DRCW activation code
DSCP	DiffServ Code Point
DSPC	Digital Stored Program Control Switch
DTMF	dual tone multifrequency. Tones that are generated when a button on a touch-tone phone is pressed. When the tone is generated, it is compressed, transported to the other party, and decompressed.
DTMF-Groundstart	dual tone multifrequency Ground Start
DTMF-IMStart	dual tone multifrequency Immediate Start
DTMF-Loopstart	dual tone multifrequency Loop Start
DTMF-Winkstart	dual tone multifrequency Wink Start
DUP-Records	duplicate records
E	
E Channel	echo channel
E&M	recEive and transMit
EM	event message
E.164	The ITU-T international public telecommunications numbering plan standard
EAEA	Equal Access Exchange Area
EAEO	Equal Access End Office
EAIN	Bellcore FGD Exchange Access International Signaling
EANA	Bellcore FGD Exchange Access North American Signaling
EC	echo cancellation
ECD	Echo Control Device (normally an echo suppressor or echo canceller)
E-ISUP	extended-ISUP
EM	Event Message or Messaging

EMA	Event Message Adapter
EMG	Emergency (911) Call
EMS	Element Management System
EMTA	Embedded Media Terminal Adapter
ENUM	Electronic Number Mapping
EO	end office
ESA	Electronic Surveillance Adapter
EXM	exit message
EXT	extension
F	
FAIL-CNT	failure count
FCLI	Functional Command Line Interface
FCP	Feature Control Protocol
FDT	final dial tone
FEID	Financial Entity Identifier
FGD	Feature Group D
FIM	feature interaction manager
FName	feature name
FQDN	Fully Qualified Domain Name
FS	Feature Server in the Cisco BTS 10200 Softswitch
FSAIN	AIN Feature Server
SFPTC	POTS, Tandem, Centrex Feature Server
FTP	File Transfer Protocol
G	
G	guaranteed
GAP	generic address parameter
GC	gate controller
GK	gatekeeper—A device that does E.164 to IP address resolution, bandwidth management and load balancing.

GN	generic name
GN	gateway number (Hong Kong)
GPRS	general packet radio service
GRE	generic routing encapsulation
GSC1D	1-digit group speed calling
GSC2D	2-digit group speed calling
GTD	Generic Transport Descriptor—ASCII based encoding scheme used to pass signaling information end-to-end.
GTP	GPRS tunneling protocol
GW	gateway
H	
H.225	The call signaling protocol of H.323. H.225 uses messages similar to messages defined in Q.931 ITU-T Recommendation.
H.245	The resource exchange protocol of H.323. H.245 is used to help the two peers determine the master-slave relationship, the exchange of capabilities, and the opening or closing of logical channels.
H.323	ITU-T recommendation adopted by the VoIP Forum as the call signaling protocol over a LAN
H3A	The H.323 signaling adapter subsystem of the Cisco BTS 10200 Softswitch
HFC	hybrid fiber coaxial
HMAC	hash-based message authentication code
HMAC-MD5	hashed message authentication code with MD5 (RFC 2104)
HMN	hardware monitor
HOTLINE	hotline
HOTV	hotline variable
HOTVA	hotline variable activation
HOTVD	hotline variable deactivation
HOTVI	hotline variable interrogation
HPTIME	higher packetization time
I	
IAD	integrated access device
IC	Interexchange Carrier

ICMP	Internet Control Message Protocol
IDEA	International Data Encryption Algorithm
IETF	Internet Engineering Task Force
IKE	Internet Key Exchange
ILEC	Incumbent local exchange carrier
IMAP	Internet Message Access Protocol
INAP	Intelligent Network Application Part
INFO	Information services calls
INS	In-Service
ISFG	incoming SFG for Centrex
INTERLATA	Calls that cross LATA boundaries
INTL	international
INTL-OPR	international operator
INTRALATA	Calls that occur within a single LATA
IP	Internet Protocol
IPsec	IP Security standard from IETF.
ISDN	Integrated Services Digital Network
ISUP	ISDN User Part
ITP	IP transfer point
ITP	intraLATA toll presubscription
ITU-T	International Telecommunication Union - Telecommunication Sector
IVR	Interactive Voice Response
IXC	Interexchange Carrier
J	
JIP	jurisdiction information parameter
K	
KDC	Kerberos Domain Controller

L

LATA	local access transport area
LB-TEST	loopback test call (108 test line)
LCADS	Local Calling Area Data Source
LCD	limited call duration
LCR	least cost routing
LDAP	Lightweight Directory Access Protocol
LEC	local exchange carrier
LERG	Local Exchange Routing Guide
LIDB	line information database
LNP	local number portability
LNP	local number portability
LOCAL	local call
LOCK-OUT	lockout
LPTime	lower packetization time
LRN	local routing number
LSA	local service area

M

MAC	media access control
MAX-Digits	maximum number of digits
MCF	multiple call forwarding
MD5	message digest 5
MDCX	MGCP modify connection message type
MDL	Message Definition Language
MDN	multiple directory numbers
MDO	message definition object
MF-IMStart	multifrequency Immediate Start
MF-Winkstart	multifrequency Wink Start
MIB	Management Information Base

MG/MGW	media gateway
MGA	media gateway adapter
MGC	MGCP Media Gateway Controller
MGCP	Media Gateway Control Protocol, used by the Cisco BTS 10200 Softswitch for controlling the bearer path on the media gateway
MGW	Media Gateway. The main functionality of MGW is to packetize voice PCM stream from IMT in to RTP stream and vice-versa. The Call Agent controls MGWs using MGCP commands.
MIN-Digits	minimum number of digits
MLHG	Multiline hunt group
MSN	Microsoft Network
MTA	Media Terminal Adapter
Mu-law	PCM voice-coding and compounding standard
MWI-On	Message Waiting Indicator On
N	
NANP	North American Numbering Plan
NANPA	North American Numbering Plan Administration
NAS	network access server
NCA	no circuit available
NCS	network-based call signaling
NEW-DN	new subscriber directory number
NFAS	nonfacility associated signaling
NLB	network loopback
NMS	network management system
NOA	nature of address
NOD	nature of dial
NON-EMG	non emergency calls; 311 calls
Noun	The name of a table in the BTS 10200 database
NPA	Numbering Plan Area (area code)
NRUF	Numbering Resource Utilization and Forecast

NSA	no solicitation announcement
NSA_ACT	NSA management
NTE	named telephony event. An event such as DTMF digits that must be encoded and transported in an RTP packet. RFC 2833 specifies the format of the RTP NTE payload.
NTF	no trouble found
NTP	Network Time Protocol
NXX	Office Code or Prefix with a first digit of 2-9
O	
O-	Originating- such as CMS and MGC
OAMP	operations, administration, maintenance provisioning
OCB	outgoing call barring
OCB_ACT	outgoing call barring activation
OCB_ADI	outgoing call barring—activation, deactivation and interrogation. See OCB and ADI.
OCB_DEACT	outgoing call barring deactivation
OCB_INT	outgoing call barring interrogation
OCBA	Outgoing call barring activation
OCBD	Outgoing call barring deactivation
OCBI	Outgoing call barring interrogation
OCCLI	CLLI of the originating trunk group
OCN	Original Called Number Information Element
OLD-DN	Old Subscriber Directory Number
OLI	Originating Line Information
OOB	out of band
OOS	out of service
OPC	originating or origination point code
OPER-Status	Operational Status
OSFG	Outgoing SFG feature for Centrex
OSI	open switch interval or open system interconnection
OSS	Operations Support System

OSSS operator services signaling system

P

P1 Priority Level 1

P2 Priority Level 2

P3 Priority Level 3

P4 Priority Level 4

PHB per-hop behavior

PBX private branch exchange

PCM pulse code modulation

PCS personal communications service

PDP Policy Decision Point

PEP Policy Enforcement Point

PIC preferred interLATA carrier or point in call

PIN private identification number

PIN-LEN pin length

PKT packet

PKT-CBL PacketCable

POP point of presence

POTS plain old telephone service

PRD Product Requirement Document

PREMIUM service access code 900, use carrier to route the call

PS privacy screening

PS_MANAGE privacy screening management

PS_O privacy screening assigned to the incoming trunk from the PS application server

PSTN public switched telephone network.

PTC Plain Old Telephone Service (POTS), Tandem, Centrex

PVC permanent virtual circuit

Q

Q.931 Call-signaling protocol for setup and termination of calls

Q.Sig	Q signaling—a PBX signaling protocol
QAM	Queuing and Audit Manager
QoS	quality of service
QVT	query verification tool
R	
RAC	Resource Availability Confirmation message
RACF	remote activation of call forwarding
RACF_PIN	RACF PIN change
RADIUS	Remote Authentication Dial-In User Service
RAI	Resource Availability Indication RAS message
RAS	Registration, Admission, and Status Protocol. RAS is defined in the H.225 ITU-T Recommendation. RAS is used to communicate between gateways, endpoints and gatekeeper. RAS is also used to communicate between two gatekeepers.
RBOC	Regional Bell Operating Company
RCF	Remote call forwarding
RCF	Registration Confirmation message
RDN	Redirecting Number Information Element
REFER	refer capability
RFC	Request for comments document series
RGW	residential gateway
RIP	Request In Progress message
RKS	Record Keeping Server; Record Keeping System
ROH	receiver off hook
ROTL	remote office test line
RR	ring reminder
RRJ	Registration Reject message
RRQ	Registration Request message
RSIP	Restart In Progress
RSUP	Reliable SAP Update Protocol

RSVP	Resource Reservation Protocol. An IETF protocol for providing integrated services and reserving resources in an IP-based internet.
RTP	Real-time Transport Protocol—A protocol for transporting multimedia over IP; see RFC 1889, <i>RTP: A Transport Protocol for Real-Time Applications</i> .
RUDP	Reliable User Data Protocol (UDP) Protocol.
S	
S7A	SS7 ISUP signaling adapter
SAP	Session Announcement Protocol
SC1D	1-digit speed calling
SC1D_ACT	1-digit speed calling activation code
SC2D	2-digit speed calling
SC2D_ACT	2-digit speed calling activation code
SCA	Selective call acceptance
SCA_ACT	SCA activation code ACA_ACT provides access to an IVR server for activation, screening list setup and editing, and deactivation of SCA
SCCP	Signal Connection Control Part
SCF	Selective call forwarding
SCF_ACT	Selective call forwarding activation
SCP	Service Control Point
SCR	Selective call rejection
SCR_ACT	Selective call rejection activation SCR_ACT provides access to an IVR server for the activation, screening list setup and editing, and deactivation of SCR
SCTP	Stream Control Transmission Protocol
SDP	Session Description Protocol. A protocol for defining information needed to establish multimedia transport over IP. SDP transmits information such as session announcement, session invitation, transport addresses, and media types. For example, in a SIP call, SDP messages indicates if NTE is used, which events to send using NTE, and the NTE payload type value. See RFC 2327, <i>SDP: Session Description Protocol</i> .
SDT	second dial tone
Send-ATP	Send Access Transport Parameter
Send-CIP	Send Carrier Information Parameter
Send-CN	Send Charge Number

Send-CPN	Send Calling Party Number
Send-CSP	Send Carrier Selection Parameter
Send-GAP	Send Generic Address Parameter
Send-GN	Send Generic Name
Send-OCN	Send Original Called Number
SFD	Subscriber-Feature-Data. A record stored on a per-subscriber/per-feature basis in the Cisco BTS 10200 Softswitch.
SFG	simulated facility group
SG4.0	Signaling Gateway 4.0 Release
SGCP	Simple Gateway Control Protocol
SHA	secure hash algorithm
SI	service indicator
SIM	Service Interaction Module
SIP	Session Initiation Protocol. A protocol for transporting multimedia that is independent of the underlying packet control layer, such as the User Datagram Protocol (UDP), and is based on client/server architecture. See RFC 2543, <i>SIP: Session Initiation Protocol</i> .
SK	Service Key
SMG	Session Manager
SNMP	Simple Network Management Protocol
SPCS	stored program control switch
SPVC	soft permanent virtual circuit
SQL	Structured Query Language
SS7	Signaling System 7
SSF	service switching function
SSH	secure shell
SSN	subsystem number
SSP	service switching point
ST	Signaling Transport
SVC	switched virtual circuits

T

T-	Terminating- such as CMS and MGC
Table	A database entity containing customer-provisioned data
TAC	Technical Assistance Center
TCAP	Transaction Capabilities Application Part
TCCLI	CLLI of the terminating trunk group
TCL	Tool command language
TCP	Transmission Control Protocol
TCP/IP	Transmission Control Protocol/Internet Protocol
TDP	Trigger Detection Point
Technology Prefix	A number used in the gateway and gatekeeper RAS communication to indicate to the gatekeeper the type of service this gateway is capable of handling. Examples of the type of service are voice mail, fax server, and so forth.
TFC	Transfer Controlled
TG	trunk group
TGCP	Trunking Gateway Control Protocol
TGW	trunking gateway (SS7/PSTN)
TID	trigger ID
TMN	Telecommunication Management Network
TNS	Transit Network Selection
TO	timeout
TOD	time of day
TOS	type of service
Translated DN	translated directory number
TRS	Telecommunications Relay Services
TS	tandem switch
TSA	TCAP Signaling Adapter
TSAP	Transport Service Access Point
T-Stamp	time stamp
TType	trigger type

TUP	Telephone User Part
TUT	trunk under test
TVT	translation verification tool
TW	time and weather
TWC	three-way call
TWCD	three-way calling deluxe
U	
UAC	user agent client
UAN	universal access number
UBR	unspecified bit rate
UCD	Uniform Call Distribution
UDP	User Datagram Protocol
UPA	user part available
UPU	user part unavailable
Update-ANI	Update Automatic Number Identification
UPL	user privilege level
URL	uniform resource locator
V	
VACANT	vacant code
VBR	variable bit rate
VISM	Voice Interworking Service Module
VM	voice mail
VM_ACCESS	voice mail access
VM_ACT	voice mail activation feature
VM_DEACT	voice mail deactivation feature
VMA	voice mail always
VMA_ACT (	voice mail always activation feature
VMA_DEACT	voice mail always deactivation feature

VoIP	Voice over IP. The ability to carry normal telephony-style voice over an IP-based internet with POTS-like functionality, reliability, and voice quality. VoIP is a blanket term which generally refers to Cisco's standards-based (for example, H.323) approach to IP voice traffic.
VoP	Voice over packet