APPENDIX A

Configurable Parameters and Values

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This appendix details the Call Agent and Feature Server configurable parameters and check possible values for Releases 4.1, 4.2, 4.4 and 4.5.

Note In this appendix, TCAP means GR-533 format *only*, and AIN0.1 means AIN0.1 *on top of* GR-533 TCAP.

Call Agent and Feature Server Configurable Parameters

Table A-1 shows configurable parameters specific to the Call Agent and Feature Server.

Table A-1 Configurable Parameters for the Call Agent and Feature Server

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
AUDIT	AUDIT-LONGTHRESHOLD	INTEGER	0	99999	N	24	The minimum number of hours a trunk must be busy before it is flagged by the long duration CIC audit.
AUDIT	TRUNK-AUDIT-INTERVAL (Release 4.4)	INTEGER	0	10	N	3	The interval, in minutes, for auditing SIP trunk groups. An options request is sent to all trunks during periods of inactivity each time this interval is reached.
BCM	CODEC-G722-PTIME	INTEGER	10	30	N	10 No Default (Release 4.5)	G.722 (or G722)

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
BCM	CODEC-G723-1A-H-PTIME	INTEGER	10	30	N	10 No Default (Release 4.5)	G.723.1A-H (or G723-1A-H)
BCM	CODEC-G723-1A-L-PTIME	INTEGER	10	30	N	10 No Default (Release 4.5)	G.723.1A-L (or G723-1A-L)
BCM	CODEC-G723-1-H-PTIME	INTEGER	10	30	N	10 No Default (Release 4.5)	G.723.1-H (or G723-1-H)
BCM	CODEC-G723-1-L-PTIME	INTEGER	10	30	N	10 No Default (Release 4.5)	G.723.1-L (or G723-1-L)
BCM	CODEC-G726-16K-PTIME	INTEGER	10	30	N	10 No Default (Release 4.5)	G.726-16K (or G726-16K)
BCM	CODEC-G726-24K-PTIME	INTEGER	10	30	N	10 No Default (Release 4.5)	G.726-24K (or G726-24K)
BCM	CODEC-G726-32K-PTIME	INTEGER	10	30	N	10 No Default (Release 4.5)	G.726-32K (or G726-32K)
BCM	CODEC-G726-40K-PTIME	INTEGER	10	30	N	10 No Default (Release 4.5)	G.726-40K (or G726-40K)

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
BCM	CODEC-G728-PTIME	INTEGER	10	30	N	10 No Default (Release 4.5)	G.728 (or G728)
BCM	CODEC-G729AB-PTIME	INTEGER	10	30	N	10 No Default (Release 4.5)	G.729AB (or G729AB)
BCM	CODEC-G729B-PTIME	INTEGER	10	30	N	10 No Default (Release 4.5)	G.729B (or G729B)
BCM	CODEC-G729E-PTIME	INTEGER	10	30	N	10 No Default (Release 4.5)	G.729E (or G729E)
BCM	CODEC-G729-PTIME	INTEGER	10	30	N	10 No Default (Release 4.5)	G.729 (or G729)
BCM	CODEC-MOD-DURING-CALL	BOOLEAN			N	N (Release 4.1) Y (Release 4.2)	This flag is used by call processing to determine whether to modify the codec used in the first leg of a call to G711 during a multiparty call. The default uses the same codec as the first leg for the new call.
BCM	CODEC-PCMA-PTIME	INTEGER	10	30	N	10 No Default (Release 4.5)	PCMA (or G.711A or G711A)

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
BCM	CODEC-PCMU-PTIME	INTEGER	10	30	N	10 No Default (Release 4.5)	PCMU (or G.711U or G711U) (default)
BCM	COLLECT-TMR	INTEGER	30	180	N	50	Maximum amount of time, in seconds, the BCM waits for digits to be collected by the media gateway. If digits are not received within the timer value, the call is given partial dial treatment.
BCM	CONN-ACK-TMR	INTEGER	1	6	N	2	This timer starts (in seconds) when a call is answered but the bearer path is not established. If the bearer path is not established within the timer value, the call is torn down.
BCM	DEFAULT-CODEC-TYPE	STRING			Y	PCMU	Default codec type to be used.
BCM	DEFAULT-CODEC-TYPE	STRING			U	PCMU	Default Codec Type to be used.
BCM	DEFAULT-INTL-DIAL-PLAN-ID	STRING			N	Default	Default international dial plan ID. The string text *default* is used as a default international dial plan ID if no other value is provisioned.
BCM	DEFAULT-ODR	STRING			N	Default	Specifies the default ODR-based route in the Policy ODR table when the received ODR (NPA, NPA-NXX) based match is not found. The string text *default* is used as a match in the Policy ODR table if no other value is provisioned.
BCM	DEFAULT-OFFICE-SERVICE-ID	STRING			N		Specifies the default office-based service ID.
BCM	DEFAULT-OLI	INTEGER	0	255	N	255	Valid oli=00–99, 255.
BCM	DEFAULT-POP	INTEGER	1	255	N	255	Specifies the default POP for POP-based policy routing.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
BCM	DEFAULT-QOS-ID	STRING			N	Default	Specifies using the default-qos-id to perform codec selection if a subscriber or trunk group is not provisioned with the qos-id. The string text *default* is used to retrieve the QoS record if no other value is provisioned.
BCM	DEFAULT-REGION	STRING			N	Default	Specifies using the default-region if the called party number does not match in the Region Profile table or a record with the specified region does not exist. The string text *default* is used as a match in the Policy Region table if no other value is provisioned.
BCM	DEFAULT-SIP-CAUSE-CODE-MAP-ID (Not supported)	STRING			N		Default SIP Cause Code Mapping table.
BCM	DEFAULT-SS7-CAUSE-CODE-MAP-ID (Not supported)	STRING			N		Default SS7 Cause Code Mapping table.
BCM	DIAL-TONE-TMR	INTEGER	0	32	N	16	Default dial tone timer.
BCM	DIGIT-TO-TMR	INTEGER	30	300	N	60	The Digit Timeout Timer is started while requesting digits from the media gateway. If no digits are received before the timer expires, the call is given partial dial treatment, in seconds.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
BCM	E911-CALLED-PARTY-HOLD	BOOLEAN			N	Y	When a calling party goes on-hook during a 911 call, this token determines if the calling party is released or not. Default is to send a release to the Tandem switch. **Note** This token is not checked if the outgoing trunk group for E911 is SIP or ISUP. Use the CLDPTY-CTRL-REL-ALWD token in the Destination table if called party control is required on any outgoing call.
BCM	INTL-NO-ANSWER-TMR	INTEGER	0	300	N	185	No answer timer, in seconds, for international calls.
BCM	INTL-PIC-REQD	BOOLEAN			N	Y	This token specifies if a PIC is required for international calls.
BCM	INTL-RE-ANSWER-TMR	INTEGER	0	300	N	10	Reanswer timer for international calls. 10 seconds for U.S. 120 seconds for international.
BCM	IVR-DISC-TIMER (Release 4.5)	INTEGER	1	6	N	1	Maximum time, in seconds, to wait for wait for IVR bearer connection disconnect responses (for example, DLCX ACK) before continuing with the call clearing, routing, or announcement.
BCM	IVR-DURATION-TIMER (Release 4.5)	INTEGER	0	60	N	30	Defines the maximum duration, in minutes, of an IVR session. Upon timer expiry, the IVR session is canceled and the call is routed or disconnected per feature requirements. If the timer value is 0, no IVR disconnect procedure is performed until the user hangs up.
BCM	LOCAL-NO-ANSWER-TMR	INTEGER	0	300	N	185	No answer timer, in seconds, for local calls.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
BCM	LOCAL-RINGBACK	BOOLEAN			N	Y	Used in PacketCable Networks to turn the local ringback option on or off. Checked for only Basic on-net to on-net calls. **Note** This feature should be turned on for the calling party to receive a local ringback for on-net to on-net calls in a PacketCable network. This feature is different from the "ringback on connection" feature that is provisioned for the MTA in the mgw-profile table.
BCM	MAX-REATTEMPT-COUNT	INTEGER	1	10	N	5	Specifies the maximum number of reattempts.
BCM	NO-ANSWER-TMR (Release 4.5)	INTEGER	1	300	N	185	If the start-no-answer-tmr is set to Y, the no-answer-tmr, in seconds, is started for all calls. **Note** For international calls, this timer is started regardless of the start-no-answer-tmr value.
BCM	NO-RESP-TMR	INTEGER	1	30	N	20	This timer starts for MGCP and SIP subscribers during the Alerting stage. If an Alerting confirmation is not received within the timer value, in seconds, the call is torn down.
BCM	OSI-GUARD-TMR	INTEGER	1	4	N	2	The open switch interval (OSI) guard timer, in seconds, starts once an OSI signal is applied to a termination. The ROH or origination treatment is performed after the expiration of the osi-guard-tmr.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
BCM	PST-AFTER-TIMED-RELEASE	BOOLEAN			N	Y	After expiration of a time-release-interval, this flag determines the release treatment if the line remains off-hook. If PST is selected, the line receives permanent signal treatment (GR-505 section 4.5). If idle line is selected, the line receives dial tone. Y—Default. Provide PST. N—Idle line.
BCM	RE-ANSWER-TMR	INTEGER	0	300	N	10	Reanswer timer for local calls. 10 seconds for U.S. 60 seconds for international.
BCM	RECONNECT-TMR	INTEGER	30	185	N	65	When a subscriber hangs up with another call on hold, the subscriber is rung back. The ringing is applied for the duration, in seconds, of this reconnect-tmr. If the subscriber does not answer the call within this time period, the call is torn down.
BCM	ROH-TONE-TIMER	INTEGER	0	180	N	60	Defines the amount of time, in seconds, an ROH tone is played to the user. After the timer, the ROH tone is removed. If the timer value is 0, the tone is played forever or until the user hangs up.
BCM	SEND-QOS-ERROR	BOOLEAN			N	N	Y/N. Specifies whether to send a QoS error.
BCM	SSF-TMR	INTEGER	3	30	N	20	The time, in seconds, Call Processing waits for a response from a Feature Server. If the timer expires before a response is received from the Feature Server, or SCP, Call Processing continues with basic default processing.
BCM	START-NO-ANSWER-TMR	BOOLEAN			N	N	Y/N. Specifies whether to start the no answer timer.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
BCM	SUSP-TMR	INTEGER	0	300	N	10	In seconds. When the called party hangs up, the Cisco BTS 10200 Softswitch sends a suspend message to the originating switch and starts the susp-tmr. If the called party picks up the phone before the susp-tmr expires, the call is reconnected. If the phone is not picked up before the susp-tmr expires, the call is released and the Cisco BTS 10200 Softswitch sends a release message to the originating switch.
BCM	TEST-CALL-TMR	INTEGER	0	60	N	20	In minutes. The test call timer is used when an IAM is received for a test call. The Cisco BTS 10200 Softswitch starts a test-call-tmr based on the specified value. The call is released when the test-call-tmr expires.
BCM	TIME-RELEASE-INTERVAL	INTEGER	0	60	N	10	Controls the time duration (in seconds) of a silence tone when a call is torn down. In case of an invalid dialing, or a dial tone timeout, time-release-interval is used to control the time duration of a silence tone after the announcement is played. If the time-release-interval is 0, then an off-hook warning tone (busy tone) is played immediately.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
BCM	TIME-RELEASE-TONE	STRING			Y	NO TONE	When the time release procedure is applied, the Cisco BTS 10200 Softswitch checks the time-release-tone values for the tone to play. Valid values for the tone are: NOTONE—No-tone (silence) BT—Busy-tone ROT—Reorder-tone ROH—Receiver-offhook-Warning-tone
BCM	TOLL-NO-ANSWER-TMR	INTEGER	0	300	N	185	No answer timer for toll or national calls.
BCM	TOLL-RE-ANSWER-TMR	INTEGER	0	300	N	10	Reanswer timer for toll or national calls. 10 seconds for U.S. 90 seconds for international.
BCM	TONE-TIMER	INTEGER	0	180	N	6	Defines the amount of tone, in seconds, that is played to a user. After the timer expires, the call is disconnected. However, if the timer value is 0, no disconnect procedure is performed until the user hangs up.
CALEA	CALEA-SNMP-SUPP	BOOLEAN			N	N	Specifies whether CALEA SNMP support is turned on or off.
CALL PARK	CPRK-ANN	INTEGER			N	0	Specifies whether to play an announcement to a parked party. Provision the announcement ID here to play the announcement. Nonzero indicates the announcement ID. If zero (0) or NULL, no announcement is played.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
CALL PARK	CPRK-CLEAR	INTEGER			N	0	Specifies whether to play a clearing announcement to a parked party after unsuccessful timed recall attempts. Provision the announcement ID here to play the announcement. Nonzero indicates the announcement ID. If zero (0) or NULL, no announcement is played.
CALL PARK	CPRK-HC-T1	INTEGER	1	48	N	48	Specifies the HC-T1 timer timeout value in hours.
CALL PARK	CPRK-TIMER	INTEGER	0	360	N	60	Specifies the TCPRK timer timeout value in seconds.
CF	HOP-COUNT	INTEGER	3	5	N	5	Specifies the number of HOPs allowed on a call.
CLASS	AC-ACTIVATION-LEVEL	STRING			Y	ONE	Specifies AC activation levels (one-level, two-level).
CLASS	ARAC-ACTIVATION-LEVEL	STRING			N	ONE	Specifies AR/AC activation levels (one-level, two-level).
CLASS	ARAC-ACTIVATION-TO-ANONYMOUS-DN	BOOLEAN			N	N	Specifies AR/AC activation attempt supported by SPCS for anonymous DNs.
CLASS	ARAC-ACTIVATION-TO-COIN	BOOLEAN			N	N	Specifies AR/AC activation attempt toward a DN match to a coin type line.
CLASS	ARAC-ACTIVATION-TO-MLHG	BOOLEAN			N	Y	Specifies AR/AC activation attempt toward a DN match to an MLHG line.
CLASS	ARAC-ACTIVATION-TO-NON-UNIQUE-DN	BOOLEAN			N	N	Specifies whether AR/AC activation attempt is supported by SPCS for nonunique DNs.
CLASS	ARAC-INITIAL-QUERY-RESPONSE-TIMER-T5	INTEGER			N	3	Specifies the amount of time the OSPCS waits for a response to the initial query.
CLASS	ARAC-INTER-BUSY-IDLE-QUERY-DURATION-TIMER-T11	INTEGER			N	95	The TSPCS uses this timer to control the active/inactive status of a queued entry with originating scanning.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
CLASS	ARAC-MAX-6SEC-RINGING-CYCLES	INTEGER	2	5	N	4	The maximum number of 6-second ringing cycles given per application of special ringing. Range is 2–5, typical is 4.
CLASS	ARAC-MAX-CONCURRENT-ATTEMPTS	INTEGER	10	30	N	30	The maximum number of concurrent AR/AC activations per customer.
CLASS	ARAC-MAX-QUEUE-SIZE	INTEGER	10	20	N	15	The AR/AC attempts maximum queue size for a DN.
CLASS	ARAC-MAX-UNANSWERED-RING-APPLICATIONS	INTEGER	1	12	N	2	The maximum number of unanswered, special ringing applications.
CLASS	ARAC-MONITORING-TIMER-T6	INTEGER	25	35	N	30	Controls the amount of time the called party of an AR request is monitored for idle notification in minutes. This timer is initialized when an AC request is accepted and delayed processing begins. If a reactivation occurs, this timer is reinitialized. This timer stops when the AC request is completed or deactivated. See GR 215 or GT 227 for more information.
CLASS	ARAC-ORIGINATING-SCAN-RATE	INTEGER	30	90	N	60	Timer to control the frequency at which the OSPCS sends originating scanning in seconds.
CLASS	ARAC-OSPCS-OVERALL-MONITOR-TIMER-T10	INTEGER	2	4	N	3	Maximum amount of continuous time the particular request can be active in OSPCS in hours.
CLASS	ARAC-OUTSTANDING-NOTIFICATION-TIMER-T8	INTEGER	Range is not applicable.		N	35	Specifies the time the TSPCS waits after sending an *idle* notification to the OSPCS, before rechecking the called line's busy/idle status in seconds.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
CLASS	ARAC-PERIODIC-SCAN-RATE	INTEGER	5	30	N	30	Periodic scan rate if the SPCS performs periodic scanning of called/calling party's line. Range is in seconds in intervals of 5 seconds.
CLASS	ARAC-QUEUING-SUPPORTED	BOOLEAN			N	Y	Specifies whether AR/AC terminating SPCS support for queue call from originating SPCS is supported.
CLASS	ARAC-RESUME-SCANNING-THRESHOLD-TIME	INTEGER	0	7	N	5	This threshold is used after comparing with the Monitor timer (T6) by OSPCS to determine whether to resume scanning, in minutes.
CLASS	ARAC-RESUME-SCANNING-TIMER-T2	INTEGER	3	12	N	5	Specifies the amount of time the OSPCS waits to resume scanning after a calling party does not answer a special ringing, in minutes.
CLASS	ARAC-SUB-QUERY-RESPONSE-TIMER-T9	INTEGER	1	5	N	3	Specifies the amount of time the OSPCS waits for responses from the TSPCS to any query other than the initial query, in seconds.
CLASS	ARAC-TERMINATING-SCANNING-MONITOR-TIMER-T7	INTEGER	0	30	N	30	Specifies the amount of time the TSPCS does terminating scanning, in minutes.
CLASS	ARAC-TERMINATING-SPCS-SCAN-ALLOW	BOOLEAN			N	Y	Specifies whether terminating SPCS support for scanning is allowed.
CLASS	ARAC-TSPCS-OVERALL-MONITOR-TIMER-T10	INTEGER	2	4	N	3	The terminating SPCS overall monitoring timer is by the terminating SPCS to determine the maximum amount of time, in hours, that an AC request can remain in the queue. This timer is initialized at the terminating SPCS when a call is accepted for queuing. This timer stops when the AC request is deactivated or completed. See GR 215 or GR 227 for more information.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
CLASS	AR-ANNOUNCEMENT-RESPONSE-TIMEOUT-COUNTER (Release 4.4.1)	INTEGER	1	3	N	2	The number of times an announcement response timeout can occur after a customer has received dialing instructions. The SPCS allows a client company to set the value of this item to an integer between 1 and 3, with a suggested value of 2. The timeout counter is initialized to 0 when the customer first accesses the feature. The counter is incremented each time the customer fails to enter any input within the timeout interval. The timeout counter is not initialized or incremented if an invalid digit is specified by the customer.
CLASS	AR-ANNOUNCEMENT-RESPONSE-TIMER-TANC (Release 4.4.1)	INTEGER	1	10	N	7	This is a client-settable timer used during two-level AR activation. This timer is initialized when the SPCS prompts a customer to enter information in response to a DN voiceback announcement. If the Announcement Response timer expires, the SPCS increments the announcement response timeout counter and provides the AR activation prompt again.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
CLASS	AR-DN-VOICEBACK-OPTION (Release 4.4.1)	INTEGER	1	14	N	All digits	Specifies if the complete DN, only the NPA, or only the NPANXX is included in a DN voiceback announcement. This includes all or part of the DN of the last incoming call, provided the DN is available and is not marked anonymous. The customer hears the NPA, NPA-NXX, or NPANXX-XXXX of the DN depending on the client company selection for the DN voiceback option. The DN voiceback option can have the following values: • Voiceback the complete DN • Voiceback the NPA • Voiceback the NPA-NXX
CLASS	AR-INVALID-DIGIT-COUNTER (Release 4.4.1)	INTEGER	1	3	N	2	The number of times a customer can specify an invalid action after dialing instructions are provided. The SPCS allows a client company to set the value of this item to an integer between 1 and 3, with a suggested value of 2. The invalid digit counter is initialized to 0 when the customer first accesses the feature. The counter is incremented each time the customer enters an invalid digit. The invalid digit counter is not initialized or incremented if announcement response timeout occurs.
CLASS	AR-NAME-VOICEBACK-OPTION (Release 4.4.1)	BOOLEAN			N	N	Used to configure a name voiceback option for the AR feature. If set to Y, the name is voiced back if available.
COS	ACCT-CODE-PROMPT-DELAY (Release 4.5)	INTEGER	0	1000	N	0	Used to introduce a delay, in milliseconds, before playing a prompt for an account code.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
COS	ACCT-CODE-PROMPT-TIMEOUT (Release 4.5)	INTEGER	0	16	N	0	Used to prompt a timeout for an account code. 0 means no timeout.
COS	ACCT-CODE-PROMPT-TONE (Release 4.5)	STRING			L	SDL	Prompt an account code tone. Permitted values are: DL—dial tone MWI—message waiting indicator SDL (Default)—stutter dial tone) SL—stutter dial tone CF—confirm tone P—prompt tone
COT	COT-ACTIVATION-LEVEL (Release 4.5)	STRING			U	ONE	Specifies the COT activation levels (one-level, two-level).
CWD/TWCD	FEATURE-RECONNECT-TMR (Release 4.5)	INTEGER	3	30	N	10	Reconnect timer, in seconds, used by the Call Waiting and Three-Way Call features. When a subscriber is connected to a reorder tone or announcement, the user is automatically reconnected to the previous call state after the specified period.
EMG	EMG-SUSPEND-TMR (Release 4.5)	INTEGER	0	3600	N	2700	Suspend timer for Emergency calls in seconds. If 0, no timer is invoked.
ENUM	ENUM-QUERY-RESPONSE-TIMER (Release 4.5)	INTEGER	1	6	N	1	Used when querying an ENUM server. If no response is received within the specified period, the ENUM query is abandoned and the call continues as if the dialed number did not require IP routing.
ENUM	ENUM-QUERY-RETRY-COUNT (Release 4.5)	INTEGER	1	6	N	1	The number of times to retransmit after a enum-query-response-timer timeout.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
FSAIN	FSAIN-SIG-TOS-LOWDELAY **Caution** Cisco does not recommend using any value other than the specified default. Changing this value from its default may significantly impact network performance. Contact Cisco TAC for further information.	BOOLEAN			N	Y	Specifies whether to set low delay. Low delay refers to the waiting time, or latency involved in sending and receiving a packet. TOS provides an indication of the abstract parameters of the quality of service desired. These parameters are used to guide the selection of the actual service parameters when transmitting a datagram through a particular network. See RFC 1349, RFC 791, and RFC 795 for detailed information. Y—(1) Set to low delay. N—(0) Set to normal delay. **Note** If you prefer to use DSCP values, derive the appropriate TOS values using the DSCP/TOS mapping information in Appendix H, "Data Values for TOS, DSCP, and PHB Parameters."

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
FSAIN	FSAIN-SIG-TOS-PRECEDENCE ⚠ **Caution** Cisco does not recommend using any value other than the specified default. Changing this value from its default may significantly impact network performance. Contact Cisco TAC for further information.	INTEGER	0	7	N	3	This token specifies which IP precedence to use for the FSAIN signaling stream. TOS provides an indication of the abstract parameters of the quality of service desired. These parameters are used to guide the selection of the actual service parameters when transmitting a datagram through a particular network. IP precedence utilizes the 3 precedence bits in the type of service (TOS) field in the IP header to specify a class of service assignment for each IP packet. See RFC 1349, RFC 791, and RFC 795 for detailed information Values are: NETCONTROL (=7) INTERNETCONTROL (=6) CRITICAL (=5) FLASHOVERRIDE (=4) FLASH (=3, Default) IMMEDIATE (=2) PRIORITY (=1) ROUTINE (=0) **Note** If you prefer to use DSCP values, derive the appropriate TOS values using the DSCP/TOS mapping information in Appendix H, "Data Values for TOS, DSCP, and PHB Parameters."

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
FSAIN	FSAIN-SIG-TOS-RELIABILITY **Caution** Cisco does not recommend using any value other than the specified default. Changing this value from its default may significantly impact network performance. Contact Cisco TAC for further information.	BOOLEAN			N	N	Specifies whether to set reliability. Reliability refers to the dependability of packet delivery. TOS provides an indication of the abstract parameters of the quality of service desired. These parameters are used to guide the selection of the actual service parameters when transmitting a datagram through a particular network. See RFC 1349, RFC 791, and RFC 795 for detailed information. Y—(1) Set to high reliability. N—(0) Set to normal reliability. **Note** If you prefer to use DSCP values, derive the appropriate TOS values using the DSCP/TOS mapping information in Appendix H, "Data Values for TOS, DSCP, and PHB Parameters."

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
FSAIN	FSAIN-SIG-TOS-THROUGHPUT **Caution** Cisco does not recommend using any value other than the specified default. Changing this value from its default may significantly impact network performance. Contact Cisco TAC for further information.	BOOLEAN			N	N	Specifies whether to set throughput. Throughput refers to the actual amount of useful and nonredundant information that is transmitted or processed. Throughput is a function of bandwidth, error performance, congestion, and other factors. TOS provides an indication of the abstract parameters of the quality of service desired. These parameters are used to guide the selection of the actual service parameters when transmitting a datagram through a particular network. See RFC 1349, RFC 791, and RFC 795 for detailed information. Y—(1) Set to high throughput. N—(0) Set to normal throughput. **Note** If you prefer to use DSCP values, derive the appropriate TOS values using the DSCP/TOS mapping information in Appendix H, "Data Values for TOS, DSCP, and PHB Parameters."
FSPTC	ACCT-CODE-PROMPT-DELAY (Release 4.4.0)	INTEGER	0	1000	N	0	Specifies a delay, in milliseconds, before playing a prompt for an account code.
FSPTC	ARAC-ACTIVATION-LEVEL	STRING			N	ONE	Specifies AR/AC activation levels (one-level, two-level).
FSPTC	ARAC-ACTIVATION-TO-ANONYMOUS-DN	BOOLEAN			N	N	Specifies AR/AC activation attempt supported by SPCS for anonymous DNs.
FSPTC	ARAC-ACTIVATION-TO-COIN	BOOLEAN			N	N	Specifies AR/AC activation attempt toward a DN match to a coin type line.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
FSPTC	ARAC-ACTIVATION-TO-MLHG	BOOLEAN			N	Y	Specifies AR/AC activation attempt toward a DN match to a MLHG line.
FSPTC	ARAC-ACTIVATION-TO-NON-UNIQUE-DN	BOOLEAN			N	N	Specifies whether AR/AC activation attempt is supported by SPCS for non-unique DNs.
FSPTC	ARAC-INITIAL-QUERY-RESPONSE-TIMER-T5	INTEGER	1	5	N	3	Specifies the amount of time, in seconds, that the OSPCS waits for a response to the initial query
FSPTC	ARAC-INTER-BUSY-IDLE-QUERY-DURATION-TIMER-T11	INTEGER			N	95	The terminating SPCS uses this timer (in seconds) to control the active/inactive status of a queued entry with originating scanning. A range is not applicable.
FSPTC	ARAC-MAX-6SEC-RINGING-CYCLES	INTEGER	2	5	N	4	The maximum number of 6-second ringing cycles given per application of special ringing.
FSPTC	ARAC-MAX-CONCURRENT-ATTEMPTS	INTEGER	10	30	N	30	The maximum number of concurrent AR/AC activations per customer.
FSPTC	ARAC-MAX-QUEUE-SIZE	INTEGER	10	20	N	15	The AR/AC attempts maximum queue size for a DN.
FSPTC	ARAC-MAX-UNANSWERED-RING-APPLICATIONS	INTEGER	1	12	N	2	The maximum number of unanswered, special ringing applications.
FSPTC	ARAC-MONITORING-TIMER-T6	INTEGER	25	35	N	30	This timer parameter controls the total time that the called party of an AR/AC request is monitored for an idle notification. This timer is initialized when an AR/AC request is accepted and delayed processing begins. If a reactivation occurs, this timer is reinitialized. This timer stops when the AR/AC request is completed or deactivated.
FSPTC	ARAC-ORIGINATING-SCAN-RATE	INTEGER	30	90	N	60	Timer (in seconds) that controls how frequently the OSPCS sends originating scanning.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
FSPTC	ARAC-OSPCS-OVERALL-MONITOR-TIMER-T10	INTEGER	2	4	N	3	This timer parameter is used by the originating SPCS to determine the maximum continuous time the particular request can be in effect for a given customer. This limits the number of times a customer may reactivate an AR/AC request. This timer is initialized when the customer activates the AR/AC feature (that is, when the appropriate access code is received). This timer is not reinitialized when the customer reactivates the AR/AC feature. This timer stops at the originating SPCS when call setup occurs or when the attempt is deactivated.
FSPTC	ARAC-OUTSTANDING-NOTIFICATION-TIMER-T8	INTEGER			N	35	Specifies the time (in seconds) that the Terminating SPCS waits after sending an idle notification to the OSPCS, before rechecking the called line's busy/idle status. A range is not applicable.
FSPTC	ARAC-PERIODIC-SCAN-RATE	INTEGER	5	30	N	30	Periodic scan rate, if the SPCS performs periodic scanning of the called/calling party's line.
FSPTC	ARAC-QUEUING-SUPPORTED	BOOLEAN			N	Y	Specifies whether AR/AC terminating SPCS support for queue call from originating SPCS is supported.
FSPTC	ARAC-RESUME-SCANNING-THRESHOLD-TIME	INTEGER	0	7	N	5	This threshold (in minutes) is used after comparing with the Monitor timer (T6) by OSPCS to determine whether to resume scanning.
FSPTC	ARAC-RESUME-SCANNING-TIMER-T2	INTEGER	3	12	N	5	Specifies the amount of time (in minutes) that the OSPCS waits to resume scanning after a calling party does not answer a special ringing.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
FSPTC	ARAC-SUB-QUERY-RESPONSE-TIMER-T9	INTEGER	1	5	N	3	Specifies the amount of time (in seconds) that the OSPCS waits for responses from the TSPCS to any query other than the initial query.
FSPTC	ARAC-TERMINATING-SCANNING-MONITOR-TIMER-T7	INTEGER	0	30	N	30	Specifies the amount of time (in minutes) that the TSPCS does terminating scanning.
FSPTC	ARAC-TERMINATING-SPCS-SCAN-ALLOW	BOOLEAN			N	Y	Specifies whether terminating SPCS support for scanning is allowed.
FSPTC	AR-ACTIVATION-LEVEL	STRING			Y	ONE	Specifies AR/AC activation levels (one-level, two-level).
FSPTC	ARAC-TSPCS-OVERALL-MONITOR-TIMER-T10	INTEGER	2	4	N	3	This timer parameter is used by the terminating SPCS to determine the maximum amount of time an AR/AC request can remain in the queue. This timer is initialized at the terminating SPCS when a call is accepted for queuing. This timer stops when the AR/AC request is deactivated or completed.
FSPTC	AUTH-CODE-PROMPT-DELAY (Release 4.4.0)	INTEGER	0	1000	N	0	Specifies a delay, in milliseconds, before playing prompt for an authorization code.
FSPTC	COT-ACTIVATION-LEVEL	STRING			Y	ONE	Specifies COT activation levels (one-level, two-level).
FSPTC	CPRK-ANN	INTEGER			N	0	Specifies whether to play a clearing announcement to a parked party after unsuccessful timed recall attempts. Provision the announcement ID here to play the announcement. Nonzero indicates the announcement ID. If zero (0) or NULL, no announcement is played.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
FSPTC	CPRK-CLEAR	INTEGER			N	0	Specifies whether to play a clearing announcement to a parked party after unsuccessful timed recall attempts. Provision the announcement ID here to play the announcement. Nonzero indicates the announcement ID. If zero (0) or NULL, no announcement is played.
FSPTC	CPRK-HC-T1	INTEGER	1	48	N	48	Specifies the HC-T1 timer timeout value in hours.
FSPTC	CPRK-TIMER	INTEGER	0	360	N	60	Specifies the TCPRK timer timeout value in seconds.
FSPTC	DEFAULT-OCB-PROFILE-ID (Release 4.4.0)	STRING			N		Specifies a default Office-based Outgoing Call Barring (OCB) Profile id. This id is used if the POP-specific ocb-profile-id is not provisioned.
FSPTC	EMG-SUSPEND-TMR	INTEGER	0	3600	N	2700	Suspend Timer for Emergency Call (in seconds). If 0, no timer is invoked.
FSPTC	FEATURE-RECONNECT-TMR	INTEGER	3	30	N	10	Reconnect timer (in seconds). This timer is used by the CW and TWC features. When a caller is connected to a reorder tone or announcement, the caller is automatically reconnected to their previous call state after the specified timeout period.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
FSPTC	FSPTC-SIG-TOS-LOWDELAY **Caution** Cisco does not recommend using any value other than the specified default. Changing this value from its default may significantly impact network performance. Contact Cisco TAC for further information.	BOOLEAN			N	Y	Specifies whether to set low delay. Low delay refers to the waiting time, or latency involved in sending and receiving a packet. TOS provides an indication of the abstract parameters of the quality of service desired. These parameters are used to guide the selection of the actual service parameters when transmitting a datagram through a particular network. See RFC 1349, RFC 791, and RFC 795 for detailed information. Y—(1) Set to low delay. N—(0) Set to normal delay. **Note** If you prefer to use DSCP values, derive the appropriate TOS values using the DSCP/TOS mapping information in Appendix H, "Data Values for TOS, DSCP, and PHB Parameters."

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
FSPTC	FSPTC-SIG-TOS-PRECEDENCE ⚠ **Caution** Cisco does not recommend using any value other than the specified default. Changing this value from its default may significantly impact network performance. Contact Cisco TAC for further information.	INTEGER	0	7	N	3	This token specifies which IP precedence to use for the FSPTC signaling stream. IP precedence utilizes the 3 precedence bits in the type of service (TOS) field in the IP header to specify a class of service assignment for each IP packet. TOS provides an indication of the abstract parameters of the quality of service desired. These parameters are used to guide the selection of the actual service parameters when transmitting a datagram through a particular network. See RFC 1349, RFC 791, and RFC 795 for detailed information. Values are: NETCONTROL (=7) INTERNETCONTROL (=6) CRITICAL (=5) FLASHOVERRIDE (=4) FLASH (Default = 3) IMMEDIATE (=2) PRIORITY (=1) ROUTINE (=0) **Note** If you prefer to use DSCP values, derive the appropriate TOS values using the DSCP/TOS mapping information in Appendix H, "Data Values for TOS, DSCP, and PHB Parameters."

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
FSPTC	FSPTC-SIG-TOS-RELIABILITY **Caution** Cisco does not recommend using any value other than the specified default. Changing this value from its default may significantly impact network performance. Contact Cisco TAC for further information.	BOOLEAN			N	N	Specifies whether to set this socket option, FSPTC signaling (SIG) type of service (TOS) reliability (RELIABILITY) to 1 (Y) or 0 (N). Reliability refers to the dependability of packet delivery. TOS provides an indication of the abstract parameters of the quality of service desired. These parameters are used to guide the selection of the actual service parameters when transmitting a datagram through a particular network. See RFC 1349, RFC 791, and RFC 795 for detailed information. Y—(1) Set to high reliability. N—(0) Set to normal reliability. **Note** If you prefer to use DSCP values, derive the appropriate TOS values using the DSCP/TOS mapping information in Appendix H, "Data Values for TOS, DSCP, and PHB Parameters."

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
FSPTC	FSPTC-SIG-TOS-THROUGHPUT **Caution** Cisco does not recommend using any value other than the specified default. Changing this value from its default may significantly impact network performance. Contact Cisco TAC for further information.	BOOLEAN			N	N	Specifies whether to set throughput. Throughput refers to the actual amount of useful and nonredundant information that is transmitted or processed. The relationship between what went in one end of the network and what came out the other is a measure of the efficiency of that communications network. Throughput is a function of bandwidth, error performance, congestion, and other factors. TOS provides an indication of the abstract parameters of the quality of service desired. These parameters are used to guide the selection of the actual service parameters when transmitting a datagram through a particular network. See RFC 1349, RFC 791, and RFC 795 for detailed information. Y—(1) Set to high throughput. N—(0) Set to normal throughput. **Note** If you prefer to use DSCP values, derive the appropriate TOS values using the DSCP/TOS mapping information in Appendix H, "Data Values for TOS, DSCP, and PHB Parameters."
FSPTC	HOP-COUNT	INTEGER	3	5	N	5	Specifies the TCPRK timer timeout value in seconds.
FSPTC	IVR-DN	DIGITS			N		Directory number for IVR.
FSPTC	SLE-DE-THRESHOLD	INTEGER	2	5	N	3	Specifies the number of consecutive dialing errors allowed.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
FSPTC	SLE-LIST-SIZE	INTEGER	2	31	N	31	Defines the maximum size (31 entries per feature per subscriber) of a Screen List Editing table.
FSPTC	SLE-TIMER-T1	INTEGER	2	10	N	4	T1 defines how long the SPCS waits for a customer to confirm an existing remote DN or indicate to change the remote DN.
FSPTC	SLE-TIMER-T2	INTEGER	2	10	N	4	T2 defines how long the SPCS waits for a customer to specify a new remote DN.
FSPTC	SLE-TIMER-T3	INTEGER	2	10	N	4	T3 defines how long the SPCS waits for a customer to specify a list-editing level option. It also defines how long the SPCS waits for the customer to specify #, 12, or 0 when a DN must be added to the list during feature activation.
FSPTC	SLE-TIMER-T4	INTEGER	2	10	N	4	T4 defines how long the SPCS waits for the customer to specify a DN when adding or deleting an entry.
FSPTC	SLE-TIMER-T5	INTEGER	2	4	N	3	T5 specifies the time the originating SPCS waits for a response to the initial query sent to the screened DNs SPCS.
FSPTC	SLE-TIMER-T6	INTEGER	20	40	N	25	In 100 milliseconds (Default = 25 times 100 milliseconds). T6 defines how long the SPCS waits for a customer to specify an option after an entry on the list has been voiced back during list review.
FSPTC	SLE-TIMER-T7	INTEGER	2	9	N	4	Inter-Digit Timer for SLE.
FSPTC	SLE-TO-THRESHOLD	INTEGER	2	5	N	3	Specifies the number of consecutive timeouts allowed.
H323	DEFAULT-H323-CAUSE-CODE-MAP-ID	STRING			N		Specifies the default H.323 Cause Code Map ID from the Cause Code Map table.
H323	H323-IRR-CALL-INFO-COUNT	INTEGER	1	100	N	8	The number of call infos to be put into a single IRR.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
H323	H323-MAX-LOOP-COUNT (Release 4.2)	INTEGER	0	10	N	3	Maximum number of times an H.323 call (having same Call Identifier) can hop via the Cisco BTS 10200 Softswitch.
H323	H323-SUPPORTED	BOOLEAN			N	N	If set to Y, the Cisco BTS 10200 Softswitch is configured as H.323 gateway.
IVR	DEFAULT-IVR-ROUTE-GUIDE-ID (Release 4.4.1)	STRING			N		Default IVR route guide to use if it is not supplied by the application.
IVR	DEFAULT-IVR-SCRIPT-PKG-TYPE (Obsoleted in Release 4.5)	STRING			Y	BAU	Default IVR script package type to use if not supplied by the application server.
LNP	DEFAULT-LNP-PROFILE-ID (Release 4.2)	STRING			N		Specifies the default LNP Profile id to use. Only one LNP profile is supported per installation.
MGA	MGA-ADM-RESP-TIME	INTEGER	200	60000	N	900	Time after which bulk ADM responses are sent to the ADM (in msec).
MGA	MGA-ICMP-PING-RETRANSMIT-DURATION	INTEGER	2	10	N	2	Specifies the duration (in seconds) after which ICMP ping is done.
MGA	MGA-ICMP-PING-RETRY-COUNT	INTEGER	1	6	N	2	Specifies the number of times the GSM does ICMP pinging before declaring a media gateway down.
MGA	MGA-INIT-DURATION	INTEGER	1	10	N	1	Specifies the duration (in seconds) after which a media gateway starts initializing *initTerms* terminations.
MGA	MGA-INIT-TERMS	INTEGER	100	5000	N	160	Specifies the number of terminations initialized in every MGW initialization duration time.
MGA	MGA-MAX-FAULT-COUNT	INTEGER	1	10	N	5	Specifies the maximum number of fault counts.
MGA	MGA-MAX-NO-OF-ADM-RESP	INTEGER	1	100	N	24	Specifies the maximum number of ADM responses sent in one message.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
MGA	MGA-MAX-RETRANSMIT-COUNT	INTEGER	2	11	N	3	Specifies the maximum retransmit count of an MGCP message. This requires the platform to be stopped and restarted.
MGA	MGA-MAX-UNREACH-COUNT	INTEGER	1	10	N	5	Specifies the maximum number of unreachable counts.
MGA	MGA-MIN-RETRANSMIT-COUNT	INTEGER	1	7	N	2	Specifies the minimum retransmit count of an MGCP message. This requires the platform to be stopped and restarted.
MGA	MGA-PING-ATTEMPTS	INTEGER	1	6	N	2	Specifies the maximum number of times the GSM does MGCP pinging before declaring a media gateway down.
MGA	MGA-PING-DURATION	INTEGER	60	240	N	60	Specifies the duration (in seconds) after which an MGCP ping is done on a media gateway if no activity is detected.
MGA	MGA-RECOVERY-DURATION	INTEGER	1	10	N	2	Specifies the number of seconds before an MGA tries to recover faulty/unreachable endpoints.
MGA	MGA-TIMER-VAL	INTEGER	400	1000	N	400	Specifies the minimum default time (in milliseconds) for MGCP message retransmissions. This requires the platform to be stopped and restarted.
MGCP	CODEC-T38-PTIME (Release 4.5)	INTEGER	10	30	N		Specifies the Image/T38 codec packetization period.
MGCP	INACTIVE-CONN-MODE-BEFORE-ANSWER (Release 4.5)	BOOLEAN			N	N	Used during local ringback. If the flag is set to Y, both connections (A and B) are kept inactive during the ringing state. If set to N, then the connection on party A is set to recv-only and the connection on party B is set to send/recv.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
MGCP	MGCP-ADM-RESP-TIME	INTEGER	200	60000	N	900	Time (in milliseconds) after which bulk ADM responses are sent to the ADM.
MGCP	MGCP-ENBLOC-SUPP	BOOLEAN			N	Y	This flag is for internal use to run automated scripts using ACTI. If this flag is set to Y, the MGA queries the BCM to check if any features such as hotline or denied origination apply. If these features do not apply, the MGA plays a dial tone to the subscriber. If this flag is set to N, the MGA does not perform the query function and lets the BCM request the dial tone.
MGCP	MGCP-ICMP-PING-RETRANSMIT-DURATION	INTEGER	2	10	N	2	Specifies the duration (in seconds) after which an ICMP ping is done.
MGCP	MGCP-ICMP-PING-RETRY-COUNT	INTEGER	1	6	N	2	Specifies the number of times the GSM does ICMP pinging before declaring a media gateway down.
MGCP	MGCP-INIT-DURATION	INTEGER	1	10	N	1	Specifies the duration (in seconds) after which a media gateway starts initializing *initTerms* terminations. This requires the platform to be stopped and restarted.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
MGCP	MGCP-INIT-TERMS	INTEGER	100	1600 (Release 4.1) 5000 (Release 4.2)	N	160	Specifies the number of terminations to be initialized for every mgcp-init-duration. The mgcp-init-terms and mgcp-init-duration parameters are used whenever: • An RSIP is received from the gateway. • The control or reset command is issued during cold/warm start with 1000 cics. A maximum of 160 terminations can be initialized every second. For example, if mgcp-init-duration is 5, mgcp-init-terms=800 (160x5) can be specified.
MGCP	MGCP-MAX-FAULT-COUNT	INTEGER	1	10	N	5	Specifies the maximum number of fault counts.
MGCP	MGCP-MAX-KEEPALIVE-AUEP (Release 4.5)	INTEGER	1000	100000	N	40000	The maximum number of MGWs to be AUEP pinged in 10 second interval.
MGCP	MGCP-MAX-KEEPALIVE-ICMP (Release 4.5)	INTEGER	100	10000	N	4000	The maximum number of MGWs that can be ICMP pinged in a 10 second interval.
MGCP	MGCP-MAX-NO-OF-ADM-RESP	INTEGER	1	100	N	24	Specifies the maximum number of ADM responses sent in one message.
MGCP	MGCP-MAX-RETRANSMIT-COUNT (Obsoleted in Release 4.5)	INTEGER	2	11	N	3	Specifies the maximum retransmit count of an MGCP message. This requires the platform to be stopped and restarted.
MGCP	MGCP-MAX-UNREACH-COUNT	INTEGER	1	10	N	5	Specifies the maximum number of unreachable counts.
MGCP	MGCP-MIN-RETRANSMIT-COUNT (Obsoleted in Release 4.5)	INTEGER	1	7	N	2	Specifies the minimum retransmit count of an MGCP message. This requires the platform to be stopped and restarted.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
MGCP	MGCP-PING-ATTEMPTS (Obsoleted in Release 4.5)	INTEGER	1	20	N	10	Specifies the number of times the Gateway Status Monitoring (GSM) performs MGCP pinging before declaring a media gateway down.
MGCP	MGCP-PING-DURATION (Obsoleted in Release 4.5)	INTEGER	60	240	N	60	Specifies the duration (in seconds) after which an MGCP ping is done on a media gateway if no activity is detected.
MGCP	MGCP-RECOVERY-DURATION	INTEGER	1	10	N	5	Number of seconds before MGA tries to recover faulty/unreachable endpoints.
MGCP	MGCP-RTO-MAX (Release 4.5)	INTEGER	1	30	N	4	The maximum time in seconds allowed between two successive MGCP datagram retransmissions. Note that first retransmission is sent after MGCP-T-TRAN seconds. Cisco recommends using a value of 4, per RFC.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
MGCP	MGCP-SIG-TOS-LOWDELAY **Caution** Cisco does not recommend using any value other than the specified default. Changing this value from its default may significantly impact network performance. Contact Cisco TAC for further information. **Note** If you change the value of this parameter from the default value in the Call Agent Configuration table, the value will not take effect until a system switchover occurs. Prior to a system switchover, the default value remains in effect (Release 4.4.0).	BOOLEAN			N	Y	Specifies whether to set low delay. Low delay refers to the waiting time, or latency involved in sending and receiving a packet. You can set various options on the TCP socket to tune or optimize for certain performance parameters. TOS provides an indication of the abstract parameters of the quality of service desired. These parameters are used to guide the selection of the actual service parameters when transmitting a datagram through a particular network. See RFC 1349, RFC 791, and RFC 795 for detailed information. Y—(1) Set to low delay. N—(0) Set to normal delay.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
MGCP SIM-SIG-TOS	MGCP-SIG-TOS-PRECEDENCE ⚠ **Caution** Cisco does not recommend using any value other than the specified default. Changing this value from its default may significantly impact network performance. Contact Cisco TAC for further information. **Note** If you change the value of this parameter from the default value in the Call Agent Configuration table, the value will not take effect until a system switchover occurs. Prior to a system switchover, the default value remains in effect (Release 4.4.0).	INTEGER	0	7	N	3	This token specifies which IP precedence to use for the MGCP signaling stream. IP precedence utilizes the 3 precedence bits in the type of service (TOS) field in the IP header to specify a class of service assignment for each IP packet. TOS provides an indication of the abstract parameters of the quality of service desired. These parameters are used to guide the selection of the actual service parameters when transmitting a datagram through a particular network. See RFC 1349, RFC 791, and RFC 795 for detailed information. Values are: NETCONTROL (=7) INTERNETCONTROL (=6) CRITICAL (=5) FLASHOVERRIDE (=4) FLASH (=3 Default) IMMEDIATE (=2) PRIORITY (=1) ROUTINE (=0)

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
MGCP	MGCP-SIG-TOS-RELIABILITY **Caution** Cisco does not recommend using any value other than the specified default. Changing this value from its default may significantly impact network performance. Contact Cisco TAC for further information. **Note** If you change the value of this parameter from the default value in the Call Agent Configuration table, the value will not take effect until a system switchover occurs. Prior to a system switchover, the default value remains in effect (Release 4.4.0).	BOOLEAN			N	N	Specifies whether to set reliability. Reliability refers to the dependability of packet delivery. TOS provides an indication of the abstract parameters of the quality of service desired. These parameters are used to guide the selection of the actual service parameters when transmitting a datagram through a particular network. See RFC 1349, RFC 791, and RFC 795 for detailed information. Y—(1) Set to high reliability. N—(0) Set to normal reliability.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
MGCP	MGCP-SIG-TOS-THROUGHPUT **Caution** Cisco does not recommend using any value other than the specified default. Changing this value from its default may significantly impact network performance. Contact Cisco TAC for further information. **Note** If you change the value of this parameter from the default value in the Call Agent Configuration table, the value will not take effect until a system switchover occurs. Prior to a system switchover, the default value remains in effect (Release 4.4.0).	BOOLEAN			N	N	Specifies whether to set throughput. Throughput refers to the actual amount of useful and nonredundant information that is transmitted or processed. The relationship between what went in one end of the network and what came out the other is a measure of the efficiency of that communications network. Throughput is a function of bandwidth, error performance, congestion, and other factors. TOS provides an indication of the abstract parameters of the quality of service desired. These parameters are used to guide the selection of the actual service parameters when transmitting a datagram through a particular network. See RFC 1349, RFC 791, and RFC 795 for detailed information. Y—(1) Set to high throughput. N—(0) Set to normal throughput.
MGCP	MGCP-T38-FAX-MODE-PREF1 (Release 4.5—Not provisionable)	STRING			Y	T38-FXR-LOOSE	The following values are permitted: T38-FXR-LOOSE T38-FXR-STRICT—Not supported in this release. T38-FXR-GW—Not supported in this release
MGCP	MGCP-T38-FAX-MODE-PREF2 (Release 4.5—Not provisionable)	STRING			Y	T38-FXR-STRICT	The following values are permitted: T38-FXR-LOOSE—Not supported in this release. T38-FXR-STRICT T38-FXR-GW—Not supported in this release.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
MGCP	MGCP-T38-FAX-MODE-PREF3 (Release 4.5—Not provisionable)	STRING			Y	T38-FXR-GW	The following values are permitted: T38-FXR-LOOSE—Not supported in this release. T38-FXR-STRICT—Not supported in this release. T38-FXR-GW
MGCP	MGCP-T-HIST (Release 4.5)	INTEGER	3	120	N	30	The maximum time in seconds allowed before the copy of a Response is destroyed (even though the media gateway does not send a ResponseAck) after sending an initial MGCP datagram. Any message received from the media gateway with same transaction id after MGCP-T-HIST is considered as new command (not a retransmission). Also, if more than 2 times the MGCP-T-HIST has elapsed, the Cisco BTS 10200 Softswitch considers the endpoint disconnected and takes appropriate action. **Note** MGCP-T-HIST must be greater than or equal to the MGCP-T-MAX plus 10, where 10 factors in the maximum propagation delay.
MGCP	MGCP-T-MAX (Release 4.5)	INTEGER	10	60	N	20	The maximum time in seconds allowed before stopping retransmissions after sending an initial MGCP datagram. An endpoint is not considered disconnected until 2 times the MGCP-T-HIST time has elapsed.
MGCP	NCT-TEST-SERVICE-AFFECTING (Release 4.5)	BOOLEAN			N	Y	Specifies whether network continuity testing to line and trunk is service affecting.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
MGCP	NLB-TEST-SERVICE-AFFECTING (Release 4.5)	BOOLEAN			N	Y	Specifies whether network loop back testing to line and trunk is service affecting.
MGCP	T38-MAX-BIT-RATE (Release 4.5—Not provisionable)	INTEGER			N	14400	Specifies the default bit rate for a T38 fax that an H.323 interface uses when interworking with a non-H.323 endpoint.
MGCP	T38-MAX-BUFFER-SIZE (Release 4.5—Not provisionable)	INTEGER			N	200	Specifies the default maximum buffer size for a T38 fax that an H.323 interface uses when interworking with a non-H.323 endpoint.
MGCP	T38-MAX-DATAGRAM-SIZE (Release 4.5—Not provisionable)	INTEGER			N	74	Specifies the default maximum datagram size for a T38 fax that an H.323 interface uses when interworking with a non-H.323 endpoint.
MGCP	TEST-TRUNK-GRP-DIGITS (Release 4.5)	INTEGER	1	15	N	4	Number of digits after a test-prefix that indicate the trunk-grp number. The calling party number format for trunk testing is: <test-prefix><TG><TM>, where the field shows the number of digits in <TG> padded with zero on most significant digits.
MGCP	TEST-TRUNK-MEMBER-DIGITS (Release 4.5)	INTEGER	1	15	N	4	Number of digits after a test-prefix and trunk-grp number that indicate the trunk member number. The calling party number format for trunk testing is: <test-prefix><TG><TM>, where the field shows the number of digits in <TG> padded with zero on most significant digits

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
MGCP (Release 4.5)	INACTIVE-CONN-MODE-BEFORE-ANSWER	BOOLEAN			N	N	Used during local ringback. Y—Both connections (A and B) are kept inactive during the ringing state. N—The A connection is set to recv-only and the B connection is set to send and recv.
OCB	DEFAULT-OCB-PROFILE-ID (Release 4.4.0 and 4.5)	STRING			N		The default Outgoing Call Barring (OCB) Profile id. this office-based OCB Profile id is used if a POP-specific ocb-profile-id is not provisioned.
OFFICE	CLASS5-SUPPORTED	BOOLEAN			N	N	If set to Y, the Cisco BTS 10200 Softswitch is configured as a Class 5 Call Agent.
OFFICE	CLLI	STRING			N		11-character Common Language Location Identifier Code (CLLIC) for the Call Agent.
OFFICE	HOME-COUNTRY-CODE	STRING			N		Home country code. Once added, this code can be changed but not deleted.
OFFICE	SPLIT-NPA-ACTIVE	BOOLEAN			N	N	The split-npa-active flag is set by the EMS. The screening list feature uses this flag to determine if the Split NPA table must be screened.
OFFICE	TANDEM-SUPPORTED	BOOLEAN			N	N	If set to Y, the Cisco BTS 10200 Softswitch is configured as a Tandem Call Agent.
PKT CABLE	EM-PRIVACY-IND-SUPP	BOOLEAN			N	N	Used by EM billing. Determines whether to include Privacy Indicator in an Event Message.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
PKT CABLE	LOCAL-RINGBACK	BOOLEAN			N	Y	Specifies whether the Cisco BTS 10200 sends a local ringback to the calling party. The value Y indicates that ringback is turned on; the value N indicates that ringback is turned off. **Note** This feature should be turned on for the calling party to receive a local ringback for on-net to on-net calls in a PacketCable network. This feature is different from the "ringback on connection" feature that is provisioned for the MTA in the mgw-profile table.
PKT-CABLE	BATCH-LATENCY	INTEGER	1	999	N	60	Maximum time in seconds to hold an event message before sending a batched radius message in batch mode EM operation.
PKT-CABLE	BATCH-MODE-SUPP	BOOLEAN			N	N	Specifies if EM Batch Mode is supported. The value Y indicates that batch mode is supported; the value N indicates that batch mode is not supported.
PKT-CABLE	BEST-EFFORT-ON-QOS-FAIL (Release 4.5)	BOOLEAN			N	Y	If set to Y, the PCMM/D-QoS based admission control cannot be performed because of a broken signaling connection between Policy-Server/CMTS, the Cisco BTS 10200 Softswitch continues the calls without bandwidth authorization on a best effort basis.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
PKT-CABLE	COPS-DSCP-TOS	INTEGER	0	255	N	96	Specifies the Differentiated Services Code Point (DSCP) value or Type of Service (TOS) value used for the signaling packets on COPS interfaces between CMS and CMTS. For DSCP, only bits 0–5 are used; for TOS, bits 0–2 are used for IP Precedence, and bits 3–6 for IPv4 IP TOS. **Note** For information on specific DSCP and TOS bits, see Appendix H, "Data Values for TOS, DSCP, and PHB Parameters."
PKT-CABLE	DQOS-DS-SLACK-TERM	INTEGER	0	60000	N	0	A value provided by the CMS, and used by the CMTS for tolerated latency for downstream flows, in microseconds. The default value is zero for the downstream direction, which indicates no restrictions on latency.
PKT-CABLE	DQOS-GATE-TIMER	INTEGER	0	10	N	2	This timer defines the CMTS gate operation response timer, in seconds.
PKT-CABLE	DQOS-T1-TIMER	INTEGER	0	500	N	200	This timer is used by the CMTS for dynamic quality of service (DQoS). It starts when a gate is allocated, and is reset when a gate goes into a committed state. The T1 timer is provided by CMS to CMTS in a gate-set message. The DQOS-T1-TIMER value is used by a CMTS to limit the time that can elapse between the authorization and the commit to ensure that DQoS resources are released in case of an error. The recommended T1 timer value is between 200–300 seconds if you do not use the default value.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
PKT-CABLE	DQOS-T5-TIMER	INTEGER	1	60	N	5	This timer controls the synchronization between a local MTA resource release and a CMTS verification of the closure of the local gate (ECN-02148-v7). When the CMS (Call Agent) sends the MTA a message to delete (DLCX) a connection, the CMS must ensure that the gate is closed in the CMTS within T5. This timer is cleared when the CMS receives a confirmation for the local gate closure using the gate-close message from the CMTS. On expiration of this timer, the CMS (Call Agent) deletes the gate at the CMTS using gate-delete message with "Local gate-close failure" described in the reason-code.
PKT-CABLE	DQOS-T7-TIMER	INTEGER	0	300	N	200	This timer value is sent from the CMS to the CMTS in a gate-set message and defines the timeout period in seconds that the CMTS must hold resources for a service flow's Admitted QoS Parameter Set when in excess of its Active QoS Parameter Set. It is used by the CMTS to ensure that DQoS resources are released in case of an error.
PKT-CABLE	DQOS-T8-TIMER	INTEGER	0	300	N	0	This timer is sent from the CMS to the CMTS in a gate-set message and defines the period of time in seconds that committed CMTS resources can remain unused. It is used by a CMTS to ensure that DQoS resources are released in case of an error. The default instructs the CMTS not to poll for activity on the service flow.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
PKT-CABLE	DQOS-US-SLACK-TERM	INTEGER	0	60000	N	800	A value provided by the CMS, and used by the CMTS for tolerated grant jitter for upstream flows, in microseconds. The default value is for the upstream direction.
PKT-CABLE	EM-FILE-OPEN-TIME	INTEGER	0	1800	N	600	Specifies the maximum amount of time, in seconds, that an EM file can be open. While the file is open, additional EMs can be written to the file. This file is closed and a new file is opened if communication with the RKS has not been reestablished when this time limit is reached. An open EM file does not automatically close when communication to the RKS is restored. The file closes automatically according to the provisioned values in em-file-open-time and em-file-size, whichever occurs first.
PKT-CABLE	EM-FILE-SIZE	INTEGER	0	100	N	20	Specifies the maximum size, in megabytes, of an EM file on a hard disk. If the current file size is under this limit, additional EMs can be written to the file. This file is closed and a new file is opened if communication with the RKS has not yet been reestablished when this limit is reached. An open EM file does not automatically close when communication to the RKS is restored. The file closes automatically according to the provisioned values in em-file-open-time and em-file-size, whichever occurs first.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
PKT-CABLE	MAX-MGCP-DATAGRAM	INTEGER	2000	8000	N	4000	Specifies the maximum MGCP datagram size that can include one or more piggybacked messages, in bytes, that the Cisco BTS 10200 Softswitch can decode before discarding the rest of the message part. **Note** The default value of 4000 bytes is adequate for most applications. Cisco does not recommend changing this value unless you are deploying MGCP-based media gateways or MTAs that require larger datagram sizes.
PKT-CABLE	PROTOCOL-VERSION	STRING			N	I03	Specifies the PacketCable EM Specification (protocol) version.
PKT-CABLE	RADIUS-DSCP-TOS	INTEGER	0	255	N	96	Specifies the Differentiated Services Code Point (DSCP) value or type of service (TOS) value. Used for the signaling packets on RADIUS interfaces between CMS and RKS, and CMS and DF server. For DSCP, only bits 0–5 are used; for TOS, bits 0–2 are used for IP Precedence, and bits 3–6 for IPv4 IP TOS. **Note** For information on specific DSCP and TOS bits, see Appendix H, "Data Values for TOS, DSCP, and PHB Parameters."

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
PKT-CABLE	RETRY-PRI-RKS-TIMER	INTEGER	0	30	N	10	Specifies how many minutes to wait—after losing all communication with both RKSs—before attempting to establish communication with the RKSs again. During this time, the Cisco BTS 10200 Softswitch writes all newly generated EMs to a file on the Call Agent that created the EMs.
PKT-CABLE	SECURED-MEDIA-ONLY	BOOLEAN			N	N	Used to affect the transmission of security parameters from the QOS table when connecting a call. Y—The Cisco BTS 10200 Softswitch forces the security parameters from the QoS and Ciphersuite tables to the endpoint while making the connection. This can result in call failure if either side cannot handle the parameters. N—The Cisco BTS 10200 Softswitch forces the security parameters from the QoS and Ciphersuite tables while making the connection to the endpoint only if both sides can handle the security parameters. This type also affects the setup of calls to unsecured MGWs.
POTS	DEFAULT-OCB-PROFILE-ID (Release 4.5)	STRING			N		Default OCB profile id. Used if the POP-specific ocb-profile-id is not provisioned.
POTS	DEFAULT-PRIVACY-MANAGER-ID (Release 4.5)	STRING			N		Default privacy manager id. Used if the POP-specific privacy-manager-id is not provisioned.
POTS	DEFAULT-VOICE-MAIL-ID (Release 4.5)	STRING			N		Default voice mail id. Used if the POP-specific voice-mail-id is not provisioned.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
RADIUS	ENCRYPTION-KEY (Release 4.5)	STRING			N	00000000 00000000	The encryption key. 1-16 characters: (0-9, A-F)
RADIUS	RADIUS-AUTHORIZATION-ALLOWED (Release 4.5)	BOOLEAN			N	N	Not used.
RADIUS	RADIUS-SERVER-ADDRESS (Release 4.5)	STRING			N		Specifies the DNS or IP address. Not used.
RADIUS	WHISPER-TONE-TIMER (Release 4.5)	INTEGER	10	180	N	30	Specifies how long to provide a whisper tone before a call is forcibly disconnected. Not used.
SGA	SCTP-DSCP (Release 4.5)	STRING			Y	CS3	DiffServ code point for the signaling packets on the SCTP associations. Permitted values are: EF AF11 AF12 AF13 AF21 AF22 AF23 AF31 AF32 AF33 AF41 AF42 AF43 CS1 CS2 CS3 (Default) CS4 CS5 CS6 CS7 DEFAULT
SIA	MAX-3XX-COUNT	INTEGER	1	5	N	1	Specifies whether maximum 3XX (redirection) is allowed.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
SIA	MAX-SESSION-EXPIRES	INTEGER	1800	7200	N	7200	Maximum session expiry in seconds. This SIP feature session timer is for SIP auditing purposes. A periodic refresh is sent for each session to check the liveness of the session. This conveys the session interval for a SIP call.
SIA	MAX-SUBSCRIPTION-LEVEL	INTEGER			N	3600	Specifies whether to limit/lower the duration, in seconds, of a subscription that is requested by a subscriber.
SIA	MIN-SE (Obsoleted in Release 4.5)	INTEGER	900	1800	N	900	The minimum session-expires, in seconds, allowed to be sent or received.
SIA	NONCE-LIFETIME	INTEGER	0		N	180	Used to limit replay attacks and masquerades by setting an upper limit for the duration in seconds of the validity of a nonce sent out in a challenge. A value of 0 means use one-time nonces (that is, each request is challenged with a new nonce). This token has no upper limit.
SIA	REFER-ABANDON-TIMER-SECS (Release 4.5)	INTEGER			N	180	The number of seconds to wait before giving up on a transfer request and sending a failure notification to the transferee. No range is specified.
SIA	REFER-ACCEPT-TIMER-SECS (Release 4.5)	INTEGER			N	10	The number of seconds to wait for a response from the BCM/FS before rejecting a refer request. No range is specified.
SIA	SESSION-EXPIRES (Release 4.5)	INTEGER	1800	7200	N	1800	Session expiry time in seconds. This SIP feature session timer is for SIP auditing purposes. A periodic refresh is sent for each session to check the liveness of the session. This conveys the session interval for a SIP call.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
SIA	SIA-REGISTER-DEFAULT-EXPIRES	INTEGER	3600		N	3600	Expiry time in seconds. A register request can be received without an expires parameter. In that case this value is used to set the expires value for that registration. This parameter has no upper limit.
SIA	SIA-REG-MAX-EXPIRES-SECS (Release 4.5)	INTEGER			N	7200	Used by the registrar to restrict the maximum value for contact expiration.
SIA	SIA-REG-MIN-EXPIRES-SECS (Release 4.5)	INTEGER	1800		N	1800	Registrar rejects a register request having a value less than 3600 and less than the min-expires. This parameter has not upper limit.
SIA	SIA-SIG-TOS-THROUGHPUT ⚠ **Caution** Cisco does not recommend using any value other than the specified default. Changing this value from its default may significantly impact network performance. Contact Cisco TAC for further information.	BOOLEAN			N	N	Specifies whether to set throughput. Throughput refers to the actual amount of useful and nonredundant information that is transmitted or processed. The relationship between what went in one end of the network and what came out the other is a measure of the efficiency of that communications network. Throughput is a function of bandwidth, error performance, congestion, and other factors. TOS provides an indication of the abstract parameters of the quality of service desired. These parameters are used to guide the selection of the actual service parameters when transmitting a datagram through a particular network. See RFC 1349, RFC 791, and RFC 795 for detailed information. Y—(1) Set to high throughput. N—(0) Set to normal throughput.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
SIA	SIA-SIG-TOS-LOWDELAY **Caution** Cisco does not recommend using any value other than the specified default. Changing this value from its default may significantly impact network performance. Contact Cisco TAC for further information.	BOOLEAN			N	Y	Specifies whether to set low delay. Low delay refers to the waiting time, or latency involved in sending and receiving a packet. You can set various options on the TCP socket to tune or optimize for certain performance parameters. TOS provides an indication of the abstract parameters of the quality of service desired. These parameters are used to guide the selection of the actual service parameters when transmitting a datagram through a particular network. See RFC 1349, RFC 791, and RFC 795 for detailed information. Y—(1) Set to low delay. N—(0) Set to normal delay.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
SIA	SIA-SIG-TOS-PRECEDENCE ⚠ **Caution** Cisco does not recommend using any value other than the specified default. Changing this value from its default may significantly impact network performance. Contact Cisco TAC for further information.	INTEGER	0	7	N	2 3 (Release 4.4.0)	This type specifies which IP precedence to use for the SIA signaling stream. IP precedence utilizes the 3 precedence bits in the type of service (TOS) field in the IP header to specify a class of service assignment for each IP packet. TOS provides an indication of the abstract parameters of the quality of service desired. These parameters are used to guide the selection of the actual service parameters when transmitting a datagram through a particular network. See RFC 1349, RFC 791, and RFC 795 for detailed information. Values are: NETCONTROL (=7) INTERNETCONTROL (=6) CRITICAL (=5) FLASHOVERRIDE (=4) FLASH (=3) IMMEDIATE (DEFAULT=2) PRIORITY (=1) ROUTINE (=0)

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
SIA	SIA-SIG-TOS-RELIABILITY **Caution** Cisco does not recommend using any value other than the specified default. Changing this value from its default may significantly impact network performance. Contact Cisco TAC for further information.	BOOLEAN			N	N	Specifies whether to set reliability. Reliability refers to the dependability of packet delivery. See RFC 1349, RFC 791, and RFC 795 for detailed information. TOS provides an indication of the abstract parameters of the quality of service desired. These parameters are used to guide the selection of the actual service parameters when transmitting a datagram through a particular network. Y—(1) Set to high reliability. N—(0) Set to normal reliability.
SIA	SIA-TRUNK-GRP-LEVEL-SIG-TOS	BOOLEAN			N	N	The SIA SIG TOS values define the system-level TOS used for SIP calls. If the flag is set to Y, the system reads the TG-level SIG TOS values and overrides the system-level TOS values if required. If this token is set to Y, system-level TOS tokens should still be set. System-level TOS tokens are used when sending messages when the trunk group is not known.
SIA	SIP-3XX-REROUTE-ON-LOCAL-DOMAIN (Release 4.5)	BOOLEAN			N	N	Specifies whether to select the next trunk in the route set and reattempt a call or reroute the call using number translation. The default, when a 3XX response is received on a SIP trunk for the initial INVITE sent, where the number in the 3XX contact header is the same as the called number, and the domain name is the SIP contact name of the Cisco BTS 10200 Softswitch receiving the 3XX, is to select the next trunk in the route set and reattempt the call.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
SIA	SIA-TG-VALIDATE-SOURCE-IP (Release 4.5.1)	BOOLEAN			N	N	Used to enable IP source validation of SIP messages on a Cisco BTS 10200 Softswitch coming over a SIP trunk to prevent security attacks if the packet is sniffed in the network and sent from a different or rogue IP address, or domain, as present in the Via header. IP source verification of SIP messages is disabled on the Cisco BTS 10200 Softswitch by default.
SIA	SIP-TIMER-PROFILE-ID (Release 4.5)	STRING			N		Default timer profile id for the whole system. The default timer profile id is used if the softsw-tg-profile is not populated with the sip-timer-profile-id.
SIA	SUB-MAX-FORWARDS (Release 4.5)	INTEGER	10	80	N	70	Used when the outbound SIP INVITE message requires an initial max-forwards value.
SIA	SUB-SESSION-TIMER-ALLOWED (Release 4.5)	BOOLEAN			N	N	Controls the session timer feature for all Cisco BTS 10200 Softswitch SIP subscribers. When Y, the session timer is activated on every call to or from a SIP subscriber.
SIA	SUB-SESSION-TIMER-ALLOWED (Release 4.2)	BOOLEAN			N	N	This flag controls the session timer feature for all Cisco BTS 10200 Softswitch SIP subscribers. If Y, the session timer is activated on every call to or from a SIP subscriber.
SIM	RELEASE-CALL-ON-LCD-TRIGGER-FAILURE (Release 4.5)	BOOLEAN			N	Y	Used for the limited call duration (LCD) or prepaid feature. When LCD Trigger is invoked, but the LCD Trigger fails, then this parameter determines the action to take. Y—The call is released. N—The call is continued.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
SIM	SIM-SIG-TOS-PRECEDENCE **Caution** Cisco does not recommend using any value other than the specified default. Changing this value from its default may significantly impact network performance. Contact Cisco TAC for further information.	INTEGER	0	7	N	3	This token specifies which IP precedence to use for the SIM signaling stream. IP precedence utilizes the 3 precedence bits in the type of service (TOS) field in the IP header to specify a class of service assignment for each IP packet. TOS provides an indication of the abstract parameters of the quality of service desired. These parameters are used to guide the selection of the actual service parameters when transmitting a datagram through a particular network. See RFC 1349, RFC 791, and RFC 795 for detailed information. Values are: FLASH (=3, Default) NETCONTROL (=7) INTERNETCONTROL (=6) CRITICAL (=5) FLASHOVERRIDE (=4) IMMEDIATE (=2) PRIORITY (=1) ROUTINE (=0) If you prefer to use DSCP values, derive the appropriate TOS values using the DSCP/TOS mapping information in Appendix H, "Data Values for TOS, DSCP, and PHB Parameters."

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
SIM	SIM-SIG-TOS-THROUGHPUT **Caution** Cisco does not recommend using any value other than the specified default. Changing this value from its default may significantly impact network performance. Contact Cisco TAC for further information.	BOOLEAN			N	N	Specifies whether to set throughput. Throughput refers to the actual amount of useful and nonredundant information that is transmitted or processed. The relationship between what went in one end of the network and what came out the other is a measure of the efficiency of that communications network. Throughput is a function of bandwidth, error performance, congestion, and other factors. TOS provides an indication of the abstract parameters of the quality of service desired. These parameters are used to guide the selection of the actual service parameters when transmitting a datagram through a particular network. See RFC 1349, RFC 791, and RFC 795 for detailed information. Y—(1) Set to high throughput. N—(0) Set to normal throughput. **Note** If you prefer to use DSCP values, derive the appropriate TOS values using the DSCP/TOS mapping information in Appendix H, "Data Values for TOS, DSCP, and PHB Parameters."

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
SIM	SIM-SIG-TOS-LOWDELAY **Caution** Cisco does not recommend using any value other than the specified default. Changing this value from its default may significantly impact network performance. Contact Cisco TAC for further information.	BOOLEAN			N	Y	Specifies whether to set low delay. Low delay refers to the waiting time, or latency involved in sending and receiving a packet. You can set various options on the TCP socket to tune or optimize for certain performance parameters. TOS provides an indication of the abstract parameters of the quality of service desired. These parameters are used to guide the selection of the actual service parameters when transmitting a datagram through a particular network. See RFC 1349, RFC 791, and RFC 795 for detailed information. Y—(1) Set to low delay. N—(0) Set to normal delay. **Note** If you prefer to use DSCP values, derive the appropriate TOS values using the DSCP/TOS mapping information in Appendix H, "Data Values for TOS, DSCP, and PHB Parameters."

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
SIM	SIM-SIG-TOS-RELIABILITY **Caution** Cisco does not recommend using any value other than the specified default. Changing this value from its default may significantly impact network performance. Contact Cisco TAC for further information.	BOOLEAN			N	N	Specifies whether to set reliability. Reliability refers to the dependability of packet delivery. TOS provides an indication of the abstract parameters of the quality of service desired. These parameters are used to guide the selection of the actual service parameters when transmitting a datagram through a particular network. See RFC 1349, RFC 791, and RFC 795 for detailed information. Y—(1) Set to high reliability. N—(0) Set to normal reliability. **Note** If you prefer to use DSCP values, derive the appropriate TOS values using the DSCP/TOS mapping information in Appendix H, "Data Values for TOS, DSCP, and PHB Parameters."
SIP	ENCRYPTION-KEY	STRING			N	00000000 00000000	1–16 ASCII characters, Default = 0000000000000000 (0–9, A–F).
SIP	MAX-SUBSCRIPTION-LEVEL	INTEGER			N	3600	Specifies whether to limit/lower the duration (in seconds) of a subscription that is requested by the subscriber.
SIP	MIN-EXPIRES-SECS	INTEGER	1800		N		Specifies whether the registrar will reject a register request that has a value less than 3600 and less than min-expires-secs. There is no upper limit.
SIP	MIN-SE (Obsoleted in Release 4.5)	INTEGER	900	1800	N	900	In seconds, this is the minimum session-expires allowed to be sent or received.
SIP	RADIUS-AUTHORIZATION-ALLOWED	BOOLEAN			N	N	Not used.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
SIP	RADIUS-SERVER-ADDRESS	STRING			N		Specifies the DNS or IP address. (Not used.)
SIP	REFER-ABANDON-TIMER-SECS	INTEGER			N	180	Seconds to wait before giving up on a transfer request and sending a failure notification to the transferee. No range is specified.
SIP	REFER-ACCEPT-TIMER-SECS	INTEGER			N	10	Seconds to wait for response from the BCM/FS before rejecting a refer request. No range is specified.
SIP	SESSION-EXPIRES (Obsoleted in Release 4.5)	INTEGER	1800	7200	N	1800	This SIP feature session timer (in seconds) is used for SIP auditing purpose. A periodic refresh is sent for each session to check the liveness of the session. This conveys the session interval for a SIP call.
SIP	SIA-REG-MAX-EXPIRES-SECS	INTEGER			N	7200	Specifies whether the registrar restricts the maximum value for contact expiration.
SIP	SIA-REG-MIN-EXPIRES-SECS	INTEGER	1800		N	1800 (Release 4.5)	Specifies whether the registrar rejects a register request having a value less than 3600 and less than min-expires-secs. There is no upper limit.
SIP	SIP-SUB-SEND-CPG-ON-HOLD-SIGNAL (Release 4.4.0)	BOOLEAN			N	N	Controls the call hold event signal for all Cisco BTS 10200 Softswitch SIP subscribers. When a SIP subscriber goes on or off hold, and this flag is set to true, a call hold event is signaled to the other party in the call from Cisco BTS 10200 Softswitch. The message sent to mute the media path is sent to the other party regardless of this flag setting.
SIP	SUB-SESSION-TIMER-ALLOWED	BOOLEAN			N	Y	Controls the session timer feature for all Cisco BTS 10200 Softswitch SIP subscribers. When true, the session timer is activated on every call to or from a SIP subscriber.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
SIP	WHISPER-TONE-TIMER	INTEGER	10	180	N	30	Specifies how long to provide a whisper tone before the call is forced to disconnect. Not used.
SLE	IVR-DN	DIGITS			N		Directory number for IVR.
SLE	SLE-BLOCK-ICN	BOOLEAN			N	Y	Per-switch blocking of SLE messages with internetwork ICN information. Not used.
SLE	SLE-DE-THRESHOLD	INTEGER	2	5	N	3	Specifies the number of consecutive dialing errors allowed.
SLE	SLE-GRP-OVERRIDE	BOOLEAN			N	Y	Specifies whether to allow override GRP treatment analysis procedures and force messages to be routed without ICN information. (Not used.)
SLE	SLE-LIST-SIZE	INTEGER	2	31	N	31	Defines the maximum size of a Screen List Editing table.
SLE	SLE-TIMER-T	INTEGER	2	10	N	4	T1 defines how long the SPCS waits for a customer to confirm an existing remote DN or indicate to change the remote DN.
SLE	SLE-TIMER-T2	INTEGER	2	10	N	4	T2 defines how long the SPCS waits for a customer to specify a new remote DN.
SLE	SLE-TIMER-T3	INTEGER	2	10	N	4	T3 defines how long the SPCS waits for a customer to specify a list-editing level option. It also defines how long the SPCS waits for the customer to specify #, 12, or 0 when a DN must be added to the list during feature activation.
SLE	SLE-TIMER-T4	INTEGER	2	10	N	4	T4 defines how long the SPCS waits for the customer to specify a DN when adding or deleting an entry.
SLE	SLE-TIMER-T5	INTEGER	2	4	N	3	T5 specifies the time the originating SPCS waits for a response to the initial query sent to the screened DNs SPCS.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
SLE	SLE-TIMER-T6	INTEGER	20	40	N	25	In 100 milliseconds (Default = 25 times 100 milliseconds). T6 defines how long the SPCS waits for a customer to specify an option after an entry on the list has been voiced back during list review.
SLE	SLE-TIMER-T7	INTEGER	2	9	N	4	Inter-digit timer for SLE.
SLE	SLE-TO-THRESHOLD	INTEGER	2	5	N	3	Specifies the number of consecutive timeouts allowed.
SS7	EXCHANGE-TYPE (Release 4.4.0)	STRING			Y	A	There are two exchange-types: Type A: 1) Originating exchange 2) Destination exchange 3) Interworking exchange 4) Incoming or outgoing international exchange Type B: National or international transit exchange.
TCAP	ACAR-SLHR-ID	STRING			N		The Service Logic Host Route id to route automatic callback and automatic recall query messages.
TCAP	ARAC-TTYPE	INTEGER	1	255	N		Specifies the global translation type used when an AC or AR query is performed.
TCAP	CAR-800-SSN	INTEGER	1	255	N	254	Not used.
TCAP	CNAM-SSN	INTEGER	1	255	N	254	Not used.
TCAP	DEFAULT-LIDB-SLHR-ID	STRING			N		The Service Logic Host Route table contains the information necessary to route an LIDB request message to an SCP.
TCAP	DEFAULT-LNP-SLHR-ID	STRING			N		The Service Logic Host Route table contains the information necessary to route an LNP request message to an SCP.
TCAP	DEFAULT-SLHR-ID	STRING			N		The Service Logic Host Route table contains the information necessary to route a TDP request message to an SCP.

Table A-1 Configurable Parameters for the Call Agent and Feature Server (continued)

Group	Type	Datatype	From-Value	To-Value	CHK-POS-VAL	De-fault	Description
TCAP	DEFAULT-TOLL-FREE-SLHR-ID	STRING			N		The Service Logic Host Route table contains the information necessary to route a toll-free request message to an SCP.
TCAP	LNP-SSN	INTEGER	1	255	N	247	Not used.
TCAP	NAT-800-SSN	INTEGER	1	255	N	254	Not used.
TCAP	NAT-800-TTYPE	INTEGER	1	255	N	8	Specifies which global translation type to use when performing an AIN 0.1 based 800 query.
TCAP	SCP-RESPONSE-TMR	INTEGER	1	6	N	6 (Release 4.1) 3 (Release 4.2)	Specifies the length of timeout waiting in seconds for an SCP response. **Note** The ssf-tmr value must be greater than the scp-response-tmr.