



MGCP Features vs. SIP Features

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The SIP support features provided in Release 4.5.x were built on the existing Cisco BTS 10200 Softswitch software and hardware platform. [Table A-1](#) lists the MGCP features available (in the Feature column) and then describes how the feature differs when used as a SIP feature.

Table A-1 **MGCP Features and SIP Support**

Feature	Abbreviation	Support for SIP Phone Endpoint
Emergency-Service	911	Only E911 support (without the suspend procedure for 45 minutes). Basic 911 with suspend procedure is not supported.
Toll-Free	8xx	Same as MGCP.
Anonymous Call Rejection	ACR	Same as MGCP, when provided by Cisco BTS 10200. Also provided by the phone.
Cancel-Call-Waiting	CCW	Functionality provided by the phone. Cisco BTS 10200 supports the interface.
Call-Forward-Busy	CFB	Same as MGCP.
Call-Forward-No-Answer	CFNA	Same as MGCP.
Call-Forward-Unconditional	CFU	Same as MGCP.
Calling-Identity-Delivery Suppression	CIDSD	Presentation status from the phone, and single stage digit collection.
Calling Name Delivery Blocking	CNAB	Presentation status from the phone, and single stage digit collection.
Calling Name Delivery	CNAM	Same as MGCP.
Calling Number Delivery	CND	The calling party number, if available, is delivered in the From: header of the outgoing INVITE from the BTS 10200 to the terminating SIP phone. The number is delivered to the SIP phone even if the CND feature is not provisioned for the subscriber.

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Feature	Abbreviation	Support for SIP Phone Endpoint
Calling Number Delivery Blocking	CNDB	Presentation status from the phone, and single stage digit collection.
Class-of-Service	COS	CoS Screening supported, without Auth/Account code collection.
Call-Transfer	CT	For SIP phones, this feature is provided as part of REFER support on the Cisco BTS 10200. See REFER feature for more details.
Call-waiting	CW	Functionality provided by the phone. Cisco BTS 10200 supports the interface.
Number Portability	LNP	Same as MGCP.
Three-way-Call	TWC	Functionality provided by the phone. Cisco BTS 10200 supports the interface.
Usage-Sensitive-Three-way-call	USTWC	Functionality provided by the phone. Cisco BTS 10200 supports the interface.
Custom-Dial-Plan	CDP	Same as MGCP.
Call-Hold	CHD	Functionality provided by the phone. Cisco BTS 10200 supports the interface.
Calling Identity Delivery on Call Waiting	CIDCW	Functionality provided by the phone. Cisco BTS 10200 supports the interface.
Incoming-Simulated-Facility-Group	ISFG	Same as MGCP.
Outgoing-Simulated-Facility-Group	OSFG	Same as MGCP.
Automatic Callback	AC	SIP phone users cannot activate the service. MGCP users cannot activate the service toward SIP phone users.
Automatic Callback	AC_ACT	SIP phone users cannot activate the service. MGCP users cannot activate the service toward SIP phone users.
Automatic Callback	AC_DEACT	SIP phone users cannot activate the service. MGCP users cannot activate the service toward SIP phone users.
Anonymous Call Rejection	ACR_ACT	Cisco BTS 10200 supported functionality is same as MGCP, and also through the phone's "Services" key. There's another method of activating the service supported by the phone itself.
Anonymous Call Rejection	ACR_DEACT	Cisco BTS 10200 supported functionality is same as MGCP, and also through the phone's "Services" key. There's another method of deactivating the service supported by the phone itself.

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Feature	Abbreviation	Support for SIP Phone Endpoint
Automatic Recall	AR	SIP phone users cannot activate the service. MGCP users cannot activate the service toward SIP phone users.
Automatic Recall	AR_ACT	SIP phone users cannot activate the service. MGCP users cannot activate the service toward SIP phone users.
Automatic Recall	AR_DEACT	SIP phone users cannot activate the service. MGCP users cannot activate the service toward SIP phone users.
Busy-Line-Verification	BLV	Not supported.
Customer Originated Trace	COT	Same as MGCP.
Call-Park	CPRK	Not supported.
Call-Park	CPRK_RET	Not supported.
Distinctive Alerting Call Waiting Indication	DACWI	Ringling part supported by Cisco BTS 10200. The Cisco BTS 10200 sends distinctive alerting request for Call-Waiting scenario; some SIP phones can interpret it and play a distinctive call-waiting tone, while other phones do not.
Directed Call Pickup - without Barge-in	DPN	Not supported.
Directed Call Pickup - with Barge-in	DPU	Not supported.
Distinctive Ringing Call Waiting	DRCW	Ringling part supported by Cisco BTS 10200. The Cisco BTS 10200 sends a distinctive alerting request for a Call-Waiting scenario. Some SIP phones interpret it and play distinctive call-waiting tone, while other SIP phones do not.
Distinctive Ringing Call Waiting	DRCW_ACT	Same as MGCP.
Hotline	HOTLINE	Not supported.
Multiple Directory Number	MDN	Ringling part supported by Cisco BTS 10200. The Cisco BTS 10200 sends a distinctive alerting request for a Call-Waiting scenario. Some SIP phones interpret it and play distinctive call-waiting tone, while other SIP phones do not.
Remote Activation of Call Forwarding	RACF	Same as MGCP.
Remote Activation of Call Forwarding	RACF_PIN	Same as MGCP.

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Feature	Abbreviation	Support for SIP Phone Endpoint
Selective Call Acceptance	SCA	Same as MGCP.
Selective Call Acceptance	SCA_ACT	Same as MGCP.
Selective Call Forwarding	SCF	Same as MGCP.
Selective Call Forwarding	SCF_ACT	Same as MGCP.
Selective Call Rejection	SCR	Same as MGCP.
Selective Call Rejection	SCR_ACT	Same as MGCP.
Warmline	WARMLINE	Not supported.
Do Not Disturb	DND	Same as MGCP, except that the reminder ring cannot be used with SIP devices.
Do Not Disturb	DND_ACT	Same as MGCP, and also available through the phone's "Services" key.
Do Not Disturb	DND_DEACT	Same as MGCP, and also available through the phone's "Services" key.
Group Speed Call - 1 digit	GSC1D	Not supported.
Group Speed Call - 2 digit	GSC2D	Not supported.
Speed Call - 1 digit	SC1D	Not supported.
Speed Call - 1 digit	SC1D_ACT	Not supported.
Speed Call - 2 digit	SC2D	Not supported.
Speed Call - 2 digit	SC2D_ACT	Not supported.
Call Block	CBLK	Same as MGCP.
Calling-Identity-Delivery Suppression	CIDSS	Presentation status from the phone, and single stage digit collection.
Call-Forward-Busy	CFBI	Single stage digit collection.
Call-Forward-No-Answer	CFNAI	Single stage digit collection.
Call-Forward-Unconditional	CFUI	Single stage digit collection.
Call-Waiting Deluxe	CWD	Varies with phone functionality.
Call-Waiting Deluxe	CWDA	Varies with phone functionality.
Call-Waiting Deluxe	CWDD	Varies with phone functionality.
Call-Waiting Deluxe	CWDI	Varies with phone functionality.
Hotline-Variable	HOTV	Not supported.
Hotline-Variable	HOTVA	Not supported.
Hotline-Variable	HOTVD	Not supported.
Hotline-Variable	HOTVI	Not supported.
Outgoing Call Barring	OCB	Same as MGCP.
Outgoing Call Barring	OCBA	Single stage digit collection, and also through the phone's "Services" key.
Outgoing Call Barring	OCBD	Single stage digit collection, and also through the phone's "Services" key.

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Outgoing Call Barring	OCBI	Single stage digit collection, and also through the phone's "Services" key.
Three-way-Call Deluxe	TWCD	Varies with phone functionality.
Refer	REFER	This is not for MGCP users. Cisco BTS 10200 supports the SIP "REFER" interface to enable services such as Call-Transfer (attended, unattended) provided by the phone.
Call-Forward-Busy	CFBVA	Single stage digit collection, and also through the phone's "Services" key.
Call-Forward-Busy	CFBVD	Same as MGCP, and also available through the phone's "Services" key.
Call-Forward-No-Answer	CFNAVA	Single stage digit collection, and also through the phone's "Services" key.
Call-Forward-No-Answer	CFNAVD	Same as MGCP, and also available through the phone's "Services" key.
Call-Forward-Unconditional	CFUA	Single stage digit collection, and also through the phone's "Services" key.
Call-Forward-Unconditional	CFUD	Same as MGCP, and also available through the phone's "Services" key.

