

デバッグ MGCP パケットの例

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概要

このドキュメントでは、さまざまなメディア ゲートウェイ コントロール プロトコル (MGCP) コール シーケンスの `debug mgcp packets` キャプチャについて説明します。各シーケンスは、時系列で表に示します。表には、メッセージ (MSG) フィールドと DECODE フィールドがあります。MSG フィールドには実際の debug 出力を示し、DECODE フィールドには該当する debug メッセージの説明を示します。現在の debug シーケンスは次のとおりです。

- [受話器をオフフックし、番号をダイヤルする](#)
- [受話器がビジー トーンを受信する](#)
- [発信側および着信側を示す完全なオンネット音声コール](#)
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このドキュメントは、6 部で構成されるドキュメント セットの第 5 部です。

1. [IOS MGCP ゲートウェイ \(アナログ FXO、FXS ポート\) を使用した Cisco CallManager 3.x の設定](#)
2. [Cisco IOS MGCP ゲートウェイの設定](#)
3. [Cisco CallManager サーバ上の MGCP ゲートウェイおよび FXO/FXS ポートの設定](#)
4. [Cisco IOS MGCP ゲートウェイの検証およびトラブルシューティング](#)
5. デバッグ MGCP パケットの例
6. [Cisco CallManager での MGCP ゲートウェイのモニタ、リセット、および削除](#)

前提条件

要件

このドキュメントに関する固有の要件はありません。

使用するコンポーネント

この設定は Cisco IOS® ソフトウェア リリース 12.2 イメージの Cisco CallManager 3.0 によって、3.1、および 3.2 およびさまざまなバージョン テストされました。スクリーンショットおよび Cisco IOS の設定は、以下のソフトウェア、ハードウェア、およびその他の機器を使用してキャプチャされています。

- Cisco VG200/2 X FXS/2 X FXO/1 FastEthernet 10/100 ポート X 1、Cisco IOS ソフトウェア リリース 12.1(5)T
- MCS7835 上で稼働する Cisco CallManager 3.0(5a) X 1
- アナログ電話機 X 2
- Cisco 7960 IP Phone X 2

このドキュメントの情報は、特定のラボ環境にあるデバイスに基づいて作成されたものです。このドキュメントで使用するすべてのデバイスは、クリアな (デフォルト) 設定で作業を開始しています。ネットワークが稼働中の場合は、コマンドが及ぼす潜在的な影響を十分に理解しておく必要があります。

Cisco CallManager と Cisco IOS ゲートウェイ間で推奨される互換ソフトウェア バージョンについては、「[Cisco CallManager ソフトウェア バージョンの比較](#)」を参照してください。

注: `ccm-manager` コマンドの拡張に基づき、Cisco IOS ソフトウェア リリース 12.2(11)T 以降が推奨されます。`ccm-manager` コマンドには、すべてのルータに (Cisco 2600、3600) と Cisco 音声ゲートウェイ 200 (VG200) に、Cisco IOS ソフトウェア リリース 12.1(5)XM 以降が必要です。

Cisco 2600 と 3600 ルータで Cisco IOS ソフトウェア リリース 12.1(3)T 以降を実行している場合、MGCP がサポートされています。必要なリリースとバージョンは、有効にする必要のある機能によって異なります。Cisco CallManager サーバで、バージョン 3.0(5)a 以降を実行している必要があります。ルータの設定は、すべてのタイプのルータで同一です。Cisco CallManager の設定も、すべてのタイプのルータで同一です。

VG200 は Cisco IOS ソフトウェア リリース 12.1(5)XM1 以降のリリースでサポートされます。必要なリリースとバージョンは、有効にする必要のある機能によって異なります。VG200 は Cisco CallManager の以前のリリースでサポートされていますが、バージョン 3.0(5)a 以降が推奨されます。

表記法

ドキュメント表記の詳細は、『[シスコテクニカルティップスの表記法](#)』を参照してください。

受話器をオフフックし、番号をダイヤルするときのデバッグシナリオ

次の表に示す MSG フィールドは、電話をオフフックしてユーザが番号をダイヤルしたときの `debug mgcp packets` コマンドの出力をキャプチャしたものです。DECODE フィールドには、`debug` コマンドによって生成された MGCP メッセージの説明を示します。

MS	21:50:26: send_mgcp_msg, MGCP Packet sent --->
----	--

G	NTFY 41 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 50 O: L/hd
DE CO DE	NTFY 41 !--- This is the notify (NTFY) message sent to the call agent to report !--- an observed event. The number 41 is the notify sequence number. aaln/S1/SU0/1@c26001.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination !--- User Datagram Protocol (UDP) port number. X: 50 !--- The request ID is 50. O: L/hd !- -- The observed event (O) off-hook (hd) is detected !--- with use of line package (L).
MS G	21:50:26: MGCP Packet received <--- 200 41 OK
DE CO DE	200 41 OK !--- This receive acknowledgement states that NTFY sequence !--- 41 was executed normally.
MS G	21:50:26: MGCP Packet received <--- RQNT 1825 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 50 R: L/hu(N),D/[0-9!--*T](D) S: L/dls
DE CO DE	RQNT 1825 !--- This is the notification request (RQNT) message sent to the call !--- agent to report the observed event. The sequence number is 1825. aaln/S1/SU0/1@c26001.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination UDP port number. X: 50 !--- The request ID is 50. R: L/hu(N), !--- The call agent requests (R) to be notified (N) immediately !--- that an on- hook (hu) condition exists. D/[0-9!--*T](D) !--- Additionally, the call agent requests that this !- - residential gateway collect digits 0-9 plus and * until !--- the interdigit timeout (T) expires. S: L/dl !--- The call agent sends a signaling request (S) to have this !--- gateway use the line (L) package !--- and play dial tone (dl) for 16 seconds.
MS G	21:50:26: send_mgcp_msg, MGCP Packet sent ---> 200 1825 OK
DE CO DE	200 1825 OK !--- This sent acknowledgement states that RQNT sequence !--- 1825 was executed normally.
MS G	21:50:41: send_mgcp_msg, MGCP Packet sent ---> NTFY 42 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 50 O: D/16783201735
	NTFY 42

DE CO DE	<p><i>!--- The notify message is sent to the call agent to report the observed !--- event. The notify sequence number is 42.</i></p> <p>aaln/S1/SU0/1@c26001.atl0.cisco.com !--- MGCP endpoint ID. MGCP 0.1 <i>!--- The MGCP version is 0.1.</i> N: mgcp.aSCT1CA.atl0.cisco.com:2427 <i>!--- This is the notified entity ID with destination port number.</i> X: 50 <i>!--- Request ID is 50.</i> O: D/16783201735 <i>!--- This residential gateway sends an observed event message !--- that states that it collected the digits (16783201735) which conformed !--- to the digit map.</i></p>
MS G	21:50:41: MGCP Packet received <--- 200 42 OK
DE CO DE	200 42 OK <i>!--- This receive acknowledgement states that NTFY sequence !--- 42 was executed normally.</i>
MS G	21:50:41: MGCP Packet received <--- RQNT 1828 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 50 R: L/hu(N)
DE CO DE	<p>RQNT 1828</p> <p><i>!--- This is the notification request message sent to the call agent !--- to report the observed event. The sequence number is 1828.</i></p> <p>aaln/S1/SU0/1@c26001.atl0.cisco.com <i>!--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1.</i> N: mgcp.aSCT1CA.atl0.cisco.com:2427 <i>!--- This is the notified entity ID with destination port number.</i> X: 50 <i>!--- Request ID is 50.</i> R: L/hu(N) <i>!--- The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) condition exists.</i></p>
MS G	21:50:41: MGCP Packet received <--- RQNT 1828 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 50 R: L/hu(N)
DE CO DE	<p>RQNT 1828</p> <p><i>!--- The notification request message is sent to the call agent !--- to report the observed event. The sequence number is 1828.</i></p> <p>aaln/S1/SU0/1@c26001.atl0.cisco.com <i>!--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1.</i> N: mgcp.aSCT1CA.atl0.cisco.com:2427 <i>!--- This is the notified entity ID with destination port number.</i> X: 50 <i>!--- The request ID is 50.</i> R: L/hu(N) <i>!--- The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) condition exists.</i></p>
MS G	21:50:41: MGCP Packet received <--- RQNT 1828 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 50 R: L/hu(N)
DE CO	<p>RQNT 1828</p> <p><i>!--- The notification request message is sent to</i></p>

DE	<pre> the call agent to report !--- the observed event. The sequence number is 1828. aaln/S1/SU0/1@c26001.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 50 !--- The request ID is 50. R: L/hu(N) !--- The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) condition exists. </pre>
MSG	<pre> 21:50:41: MGCP Packet received <--- RQNT 1828 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 50 R: L/hu(N) </pre>
DECODE	<pre> RQNT 1828 !--- The notification request message is sent to the call agent to report !--- the observed event. The sequence number is 1828. aaln/S1/SU0/1@c26001.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 50 !--- The request ID is 50. R: L/hu(N) !--- The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) condition exists. </pre>
MSG	<pre> 21:50:41: send_mgcp_msg, MGCP Packet sent ---> 200 1828 OK </pre>
DECODE	<pre> 200 1828 OK !--- This sent acknowledgement states that RQNT sequence !--- 1828 was executed normally. </pre>

ビジー トーンを受信する受話器のデバッグ シーケンス

次の表に示す MSG フィールドは、電話をオフフックして番号をダイヤルし、ビジー トーンが受信されたときの `debug mgcp packets` コマンドの出力をキャプチャしたものです。DECODE フィールドには、`debug` コマンドによって生成された MGCP メッセージの説明を示します。

MSG	<pre> 21:55:40: send_mgcp_msg, MGCP Packet sent ---> NTFY 98 aaln/S1/SU0/0@c26002.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 53 O: D/16783201733 </pre>
DECODE	<pre> NTFY 98 !--- This is the notify message sent to the call agent to report !--- the observed event. The notify sequence number is 98. aaln/S1/SU0/1@c26002.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination User Datagram Protocol (UDP) !--- port number. X: 53 !--- Request ID is 53. O: D/16783201733 !--- This residential gateway sends an observed event (O) message !--- that states that it collected the digits (16783201733) which </pre>

	<i>conformed to the !--- digit map.</i>
MSG	21:55:40: MGCP Packet received - 200 98 OK
DECODE	200 98 OK <i>!--- This received acknowledgement states that NTFY sequence !--- 98 was executed normally.</i>
MSG	21:55:40: MGCP Packet received - RQNT 1845 aaln/S1/SU0/0@c26002.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 53 R: L/hu(N)
DECODE	RQNT 1845 <i>!--- This is the notification request message received from !--- the call agent to report the observed event. The sequence number is 1845. aaln/S1/SU0/1@c26002.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination UDP port number. X: 53 !--- The request ID is 53. R: L/hu(N) !--- The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) condition exists.</i>
MSG	21:55:40: send_mgcp_msg, MGCP Packet sent ---> 200 1845 OK
DECODE	200 1845 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 1845 was executed normally.</i>
MSG	21:55:40: MGCP Packet received - RQNT 1846 aaln/S1/SU0/0@c26002.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 53 R: L/hu(N) S: L/bz
DECODE	RQNT 1846 <i>!--- This is the notification request message received from the call agent to !--- report the observed event. The sequence number is 1846. aaln/S1/SU0/1@c26002.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 53 !--- The request ID is 53. R: L/hu(N) !--- The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) condition exists. S: L/bz !--- The call agent sends a signaling request (S) to have this gateway !--- use the line (L) package and play busy tone (bz) for 30 seconds.</i>
MSG	21:55:40: send_mgcp_msg, MGCP Packet sent ---> 200 1846 OK
DECODE	200 1846 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 1846 was executed normally.</i>

発信側および着信側を示す完全なオンネット音声コール

次の2つの表に示す MSG フィールドは、完全な通話が行われ、回線が切断されたときの debug mgcp packets コマンドの出力をキャプチャしたものです。最初の表は [発信側](#) から見たコールを示します。2番目の表は、[着信側](#) の視点を表します。DECODE フィールドには、debug コマンドによって生成された MGCP メッセージの説明を示します。

発信側

MSG	1d00h: send_mgcp_msg, MGCP Packet sent ----> NTFY 166 aaln/S1/SU0/1@c26001.at10.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.at10.cisco.com:2427 X: 50 O: L/hd
DECODE	NTFY 166 <i>!--- The notify message is sent to the call agent to report the !--- observed event. The notify sequence number is 166.</i> aaln/S1/SU0/1@c26001.at10.cisco.com <i>!--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.at10.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 50 !--- The request ID is 50. O: L/hd !--- The observed event (O) off-hook (hd) is detected with use of line (L) !--- package.</i>
MSG	1d00h: MGCP Packet received - 200 166 OK
DECODE	200 166 OK <i>!--- This received acknowledgement states that NTFY sequence !--- 166 was executed normally.</i>
MSG	1d00h: MGCP Packet received - RQNT 2877 aaln/S1/SU0/1@c26001.at10.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.at10.cisco.com:2427 X: 50 R: L/hu(N),D/[0-9!--*T](D) S: L/dl
DECODE	RQNT 2877 <i>!--- This is the notification request message received from the call agent to !--- report the observed event. The sequence number 2877.</i> aaln/S1/SU0/1@c26001.at10.cisco.com <i>!--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.at10.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 50 !--- The request ID (X) is 50. R: L/hu(N), !--- The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) condition exists. D/[0-9!--*T](D) !--- Additionally, the call agent requests that this !--- residential gateway collect digits 0-9 plus and * until the !--- interdigit timeout (T) expires. S: L/dl !--- The call agent sends a signaling request (S) to have !--- this gateway use the line (L) package and play !--- dial tone (dl) for 16 seconds.</i>
MSG	1d00h: send_mgcp_msg, MGCP Packet sent ---->

G	200 2877 OK
DE CO DE	200 2877 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 2877 was executed normally.</i>
MS G	1d00h: send_mgcp_msg, MGCP Packet sent ---> NTFY 167 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 50 O: D/6783201737
DE CO DE	NTFY 167 <i>!--- This is the notify message sent to the call agent to report !--- the observed event. The notify sequence number is 167.</i> aaln/S1/SU0/1@c26001.atl0.cisco.com <i>!--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1.</i> N: mgcp.aSCT1CA.atl0.cisco.com:2427 <i>!--- This is the notified entity ID with destination port number. X: 50 !--- The request ID is 50. O: D/16783201737 !--- This residential gateway sends an observed event (O) message !--- that states that it collected the digits (16783201737) which conformed to the !--- digit map.</i>
MS G	1d00h: MGCP Packet received - 200 167 OK
DE CO DE	200 167 OK <i>!--- This received acknowledgement states that NTFY sequence !--- 167 was executed normally.</i>
MS G	1d00h: MGCP Packet received - RQNT 2878 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 50 R: L/hu(N)
DE CO DE	RQNT 2878 <i>!--- This notification request message is sent from the call agent !--- to report the observed event. The sequence number is 2878.</i> aaln/S1/SU0/1@c26001.atl0.cisco.com <i>!--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1.</i> N: mgcp.aSCT1CA.atl0.cisco.com:2427 <i>!--- This is the notified entity ID with destination port number. X: 50 !--- The request ID (X) is 50. R: L/hu(N) !--- The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) condition exists.</i>
MS G	1d00h: send_mgcp_msg, MGCP Packet sent ---> 200 2878 OK
DE CO DE	200 2878 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 2878 was executed normally.</i>
MS G	1d00h: MGCP Packet received - CRCX 2879 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 C: 64 L: p:20, a:PCMU;PCMA;G726-32, e:on, s:on, t:00

	M: recvonly
DE CO DE	<p>CRCX 2879</p> <p><i>!--- This is the create connection (CRCX) message received from the call agent. !--- The sequence number is 2879. aaln/S1/SU0/1@c26001.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N:</i></p> <p><i>mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination port number. C: 64 !--- The call identification number (C) is 64. !--- Note: This is NOT the callerid. L: p:20 !--- This local connection option (L) specifies that the packetization !--- period (p) is 20 milliseconds. a:PCMU;PCMA;G726-32 !--- The compression algorithm (a) options are: u-law pulse code modulation (PCM), !--- a-law PCM, or 32 kbps G.726. e:on, s:on !--- The call agent has set both echo cancellation (e) and silence !--- suppression (s), also known as voice activity detection (VAD), to enable. t:00 !--- The type of service (t) for this call is 0. M: recvonly !--- The connection mode (M) is received only at this point, which allows !--- only ring-back tone.</i></p>
MS G	<p>1d00h: send_mgcp_msg, MGCP Packet sent ----></p> <p>200 2879</p> <p>I: 18</p> <p>v=0</p> <p>c=IN IP4 192.168.25.2</p> <p>m=audio 16386 RTP/AVP 0 8</p>
DE CO DE	<p>200 2879</p> <p><i>!--- This sent acknowledgement states that CRCX sequence !--- 2879 was executed normally. I: 18 !--- The connection identification number is 18. v=0 !--- The session description protocol (SDP) version is 0. c=IN IP4 192.168.25.2 !--- The connection data (c) field specifies an Internet (IN) IP !--- version 4 address of 192.168.25.2. m=audio 16386 RTP/AVP 0 8 !--- The SDP media description (m) specifies a media type of audio, !--- destination User Datagram Protocol (UDP) port 16386 for voice-bearer traffic, !--- and Real-Time Transport Protocol (RTP) encapsulation using !--- audio video profile (AVP) with RTP payload type of 0 or 8.</i></p>
MS G	<p>1d00h: MGCP Packet received -</p> <p>MDCX 2881 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1</p> <p>N: mgcp.aSCT1CA.atl0.cisco.com:2427</p> <p>I: 18</p> <p>C: 64</p> <p>M: recvonly</p> <p>v=0</p> <p>c=IN IP4 192.168.25.6</p> <p>t=0 0</p> <p>m=audio 16388 RTP/AVP 0</p>
DE CO DE	<p>MDCX 2881</p> <p><i>!--- This is the modify connection (MDCX) message received from the call agent. !--- The sequence number is 2881. aaln/S1/SU0/1@c26001.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N:</i></p> <p><i>mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination port number. I: 18 !--- The connection identification number is 18.</i></p>

	<p>C: 64 !--- The call identification number (C) is 64. !--- Note: This is NOT the callerid. M: recvonly !--- The connection mode (M) is received only at this point, which allows !--- only ring-back tone. v=0 !--- The SDP version is 0. c=IN IP4 192.168.25.6 !--- The connection data (c) field specifies an Internet (IN) IP !--- version 4 address of 192.168.25.6. m=audio 16386 RTP/AVP 0 !--- The SDP media description (m) specifies a media type of audio, !--- destination UDP port 16386 for voice-bearer traffic, and RTP !--- encapsulation using AVP with RTP payload type of 0.</p>
MSG	<p>1d00h: send_mgcp_msg, MGCP Packet sent ----> 200 2881 OK</p>
DECODE	<p>200 2881 OK !--- This sent acknowledgement states that MDCX sequence !--- 2881 was executed normally.</p>
MSG	<p>1d00h: MGCP Packet received - RQNT 2883 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 50 R: L/hu(N) S: G/rt</p>
DECODE	<p>RQNT 2883 !--- The notification request message is sent from the call agent !--- to report the observed event. The sequence number is 2883. aaln/S1/SU0/1@c26001.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 50 !--- The request ID (X) is 50. R: L/hu(N) !--- The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) condition exists. S: G/rt !--- The call agent sends a signaling request (S) to have this gateway !--- use the generic (G) package and play the ring-back tone (rt).</p>
MSG	<p>1d00h: send_mgcp_msg, MGCP Packet sent ----> 200 2883 OK</p>
DECODE	<p>200 2883 OK !--- This sent acknowledgement states that RQNT sequence !--- 2883 was executed normally.</p>
MSG	<p>1d00h: MGCP Packet received - MDCX 2885 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 I: 18 C: 64 M: sendrecv</p>
DECODE	<p>MDCX 2885 !--- This is the modify connection (MDCX) message received from the call agent. !--- The sequence number is 2885. aaln/S1/SU0/1@c26001.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination port number. I: 18 !--- The connection identification number is 18.</p>

	<p>C: 64 !--- The call identification number (C) is 64. !--- Note: This is NOT the callerid. M: sendrecv !--- The connection mode (M) is a two-way send and receive at this point, !--- which allows full conversation.</p>
MSG	<p>1d00h: send_mgcp_msg, MGCP Packet sent ---> 200 2885 OK</p>
DECODE	<p>200 2885 OK !--- This sent acknowledgement states that MDCX sequence !--- 2885 was executed normally.</p>
MSG	<p>1d00h: MGCP Packet received - RQNT 2886 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 50 R: L/hu(N),L/hf(N) S:</p>
DECODE	<p>RQNT 2886 !--- The notification request message is sent from the call agent !--- to report the observed event. The sequence number is 2886. aaln/S1/SU0/1@c26001.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 50 !--- The request ID (X) is 50. R: L/hu(N),L/hf(N) !--- The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) or hook flash (hf) condition exists. S: !--- The call agent sends a signaling request (S) to have this gateway !--- signal nothing, which stops the playout of the ring-back !--- tone (rt).</p>
MSG	<p>1d00h: send_mgcp_msg, MGCP Packet sent ---> 200 2886 OK</p>
DECODE	<p>200 2886 OK !--- This sent acknowledgement states that RQNT sequence !--- 2886 was executed normally.</p>
MSG	<p>1d00h: send_mgcp_msg, MGCP Packet sent ---> NTFY 168 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 50 O: L/hu</p>
DECODE	<p>NTFY 168 !--- The notify (NTFY) message is sent to the call agent to report !--- the observed event. The notify sequence number is 168. aaln/S1/SU0/1@c26001.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 50 !--- The request ID is 50. O: L/hu !--- This residential gateway sends an observed event (O) that the !--- user went on-hook or hung up (hu).</p>
MSG	<p>1d00h: MGCP Packet received - 200 168 OK</p>
DE	<p>200 168 OK</p>

CO DE	<i>!--- This receive acknowledgement states that NTFY sequence !--- 168 was executed normally.</i>
MS G	1d00h: MGCP Packet received - RQNT 2888 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 50 R: L/hd(N)
DE CO DE	RQNT 2888 <i>!--- The notification request message is sent from the call agent !--- to report the observed event. The sequence number is 2888.</i> aaln/S1/SU0/1@c26001.atl0.cisco.com <i>!--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 50 !--- The request ID is 50. R: L/hd(N) !--- The call agent requests (R) to be notified (N) immediately !--- that an off-hook (hd) condition exists.</i>
MS G	1d00h: send_mgcp_msg, MGCP Packet sent ---> 200 2888 OK
DE CO DE	200 2888 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 2888 was executed normally.</i>
MS G	1d00h: MGCP Packet received - DLCX 2890 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 I: 18 C: 64
DE CO DE	DLCX 2890 <i>!--- The deleted connection (DLCX) message is received from the call agent. !--- The sequence number is 2890. aaln/S1/SU0/1@c26001.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. I: 18 !--- The connection identification number is 18. C: 64 !--- The call identification number (C) is 64. !--- Note: This is NOT the callerid.</i>
MS G	1d00h: send_mgcp_msg, MGCP Packet sent ---> 250 2890 P: PS=305, OS=47685, PR=501, OR=79722, PL=4, JI=288, LA=3
DE CO DE	250 2890 <i>!--- This sent acknowledgement states that the connection was deleted. !--- The DLCX sequence number is 2890. P: PS=305, !--- The connection parameters (P) give call statistics. !--- The number of packets sent (PS) is 305. OS=47685, !--- The number of octets sent (OS) is 47685. PR=501, !--- The number of packets received (PR) is 501. OR=79722, !--- The number of octets received (OR) is 79722. PL=4, !--- The number of packets lost (PL) is 4. JI=288, !--- The jitter (JI) is 288 milliseconds. LA=3 !--- The latency (LA) is 3 milliseconds.</i>

MSG	<pre>1d00h: MGCP Packet received - CRCX 2899 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 C: 65 L: p:20, a:PCMU;PCMA, e:on, s:on, t:00, nt:IN M: sendrecv v=0 c=IN IP4 192.168.25.6 t=0 0 m=audio 16384 RTP/AVP 0 8</pre>
DECODE	<pre>CRCX 2899 !--- The create connection (CRCX) message is received from the call agent. !--- The sequence number is 2899. aaln/S1/SU0/1@c26001.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination port number. C: 65 !--- The call identification number (C) is 65. !--- Note: This is NOT the callerid. L: p:20 !--- This local connection option (L) specifies that the packetization !--- period (p) is 20 milliseconds. a:PCMU;PCMA !--- The compression algorithm (a) options are: u-law pulse code modulation (PCM) !--- or a-law PCM. e:on, s:on !--- The call agent has set both echo cancellation (e) and silence !--- suppression (s), also known as VAD, to enabled. t:00 !--- The type of service (t) for this call is 0. nt:IN !--- The type of network (nt) is Internet (IN). M: sendrecv !--- The connection mode (M) is a two-way send and receive at this point, !--- which allows full conversation. v=0 !--- The SDP version is 0. c=IN IP4 192.168.25.6 !--- The connection data (c) field specifies an Internet (IN) IP version !--- 4 address of 192.168.25.6. t=0 0 !--- The (t) represents the start (0) and stop (0) times for this call !--- instance. When both start and stop are 0, the call is considered permanent. m=audio 16384 RTP/AVP 0 8 !--- The SDP media description (m) specifies a media type of audio, !- -- destination User Datagram Protocol (UDP) port 16384 for voice-bearer traffic, !--- and Real-Time Transport Protocol (RTP) encapsulation using !--- audio video profile (AVP) with RTP payload type of 0 or 8.</pre>
MSG	<pre>1d00h: send_mgcp_msg, MGCP Packet sent ----> 200 2899 I: 19 v=0 c=IN IP4 192.168.25.2 m=audio 16386 RTP/AVP 0</pre>
DECODE	<pre>200 2899 !--- This sent acknowledgement states that CRCX sequence !--- 2899 was executed normally. I: 19 !-- - The connection identification number is 19. v=0 !--- The session description protocol (SDP) version is 0. c=IN IP4 192.168.25.2 !--- The connection data (c) field specifies an Internet (IN) IP !--- version 4 address of 192.168.25.2. m=audio 16386 RTP/AVP 0 !--- The SDP media description (m) specifies a media type of audio, !--- destination UDP port 16386 for voice-bearer traffic, and RTP !-</pre>

	<i>-- encapsulation using AVP with RTP payload type of 0.</i>
MSG	1d00h: MGCP Packet received - RQNT 2901 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 50 R: L/hd(N) S: L/rg
DECODE	RQNT 2901 <i>!--- This is the notification request message sent from the call agent to report !--- the observed event. The sequence number is 2901.</i> aaln/S1/SU0/1@c26001.atl0.cisco.com <i>!--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1.</i> N: mgcp.aSCT1CA.atl0.cisco.com:2427 <i>!--- This is the notified entity ID with destination port number. X: 50 !--- The request ID is 50. R: L/hd(N) !--- The call agent requests (R) to be notified (N) immediately !--- that an off-hook (hd) condition exists. S: L/rg !--- The call agent sends a signaling request (S) to have this gateway !--- use the generic (L) package and generate a ringing tone (rg).</i>
MSG	1d00h: send_mgcp_msg, MGCP Packet sent ---> 200 2901 OK
DECODE	200 2901 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 2901 was executed normally.</i>
MSG	1d00h: send_mgcp_msg, MGCP Packet sent ---> NTFY 169 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 50 O: L/hd
DECODE	NTFY 169 <i>!--- This is the notify message sent to the call agent to report !--- the observed event. The notify sequence number is 169.</i> aaln/S1/SU0/1@c26001.atl0.cisco.com <i>!--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1.</i> N: mgcp.aSCT1CA.atl0.cisco.com:2427 <i>!--- This is the notified entity ID with destination port number. X: 50 !--- The request ID is 50. O: L/hd !--- Observed event (O) off-hook (hd) is detected with use of !--- line (L) package.</i>
MSG	1d00h: MGCP Packet received - 200 169 OK
DECODE	200 169 OK <i>!--- This received acknowledgement states that NTFY sequence !--- 169 was executed normally.</i>
MSG	1d00h: MGCP Packet received - RQNT 2903 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 50 R: L/hu(N),L/hf(N)
DECODE	RQNT 2903 <i>!--- This is the notification request message sent from the call agent to report !--- the observed</i>

DE	<p>event. The sequence number is 2886.</p> <p>aaln/S1/SU0/1@c26001.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 50 !--- The request ID (X) is 50. R: L/hu(N),L/hf(N) !--- The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) or hook flash (hf) condition exists.</p>
MSG	<p>1d00h: send_mgcp_msg, MGCP Packet sent ---> 200 2903 OK</p>
DECODE	<p>200 2903 OK</p> <p>!--- This sent acknowledgement states that RQNT sequence !--- 2903 was executed normally.</p>
MSG	<p>1d00h: send_mgcp_msg, MGCP Packet sent ---> NTFY 170 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 50 O: L/hu</p>
DECODE	<p>NTFY 170</p> <p>!--- The notify message is sent to the call agent to report the observed !--- event. The notify sequence number is 170.</p> <p>aaln/S1/SU0/1@c26001.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 50 !--- The request ID is 50. O: L/hu !--- This residential gateway sends an observed event (O) that the !--- user went on-hook or hung up (hu).</p>
MSG	<p>1d00h: MGCP Packet received - 200 170 OK</p>
DECODE	<p>200 170 OK</p> <p>!--- This received acknowledgement states that NTFY sequence !--- 170 was executed normally.</p>
MSG	<p>1d00h: MGCP Packet received - RQNT 2906 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 50 R: L/hd(N)</p>
DECODE	<p>RQNT 2906</p> <p>!--- The notification request message is sent from the call agent to !--- report the observed event. The sequence number is 2906.</p> <p>aaln/S1/SU0/1@c26001.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 50 !--- The request ID is 50. R: L/hd(N) !--- The call agent requests (R) to be notified (N) !--- immediately that an off-hook (hd) condition exists.</p>
MSG	<p>1d00h: send_mgcp_msg, MGCP Packet sent ---> 200 2906 OK</p>
DE	<p>200 2906 OK</p>

CO DE	<i>!--- This sent acknowledgement states that RQNT sequence !--- 2906 was executed normally.</i>
MS G	1d00h: MGCP Packet received - DLCX 2907 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 I: 19 C: 65
DE CO DE	DLCX 2907 <i>!--- The delete connection (DLCX) message is received from the call agent. !--- The sequence number is 2907. aaln/S1/SU0/1@c26001.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. I: 19 !--- The connection identification number is 19. C: 65 !--- The call identification number (C) is 65. !--- Note: This is NOT the callerid.</i>
MS G	1d00h: send_mgcp_msg, MGCP Packet sent ---> 250 2907 P: PS=334, OS=52843, PR=293, OR=46601, PL=0, JI=512, LA=3
DE CO DE	250 2907 <i>!--- This sent acknowledgement states that the connection was deleted. !--- The DLCX sequence number is 2907. P: PS=334, !--- The connection parameters (P) provide call statistics. !--- The packets sent (PS) is 334. OS=52843, !--- The octets sent (OS) is 52843. PR=293, !--- The packets received (PR) is 293. OR=46601, !--- The octets received (OR) is 46601. PL=0, !--- The packets lost (PL) is 0. JI=512, !--- The jitter (JI) is 512 milliseconds. LA=3 !--- The latency (LA) is 3 milliseconds.</i>

3 者間の完全なコール ウェイティング シーケンス

次の 2 つの表に示す MSG フィールドは、コール エージェントによってコール ウェイティング信号が 1 つのゲートウェイ エンドポイントに送信されたときの `debug mgcp packets` コマンドの出力をキャプチャしたものです。 [最初の表](#) は、エンドポイント `aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com` が 472-0002 に発呼し、それが同一のレジデンシャル ゲートウェイで終端し、さらに通話中にコール ウェイティング指示を受信していることを示しています。 [2 番目の表](#) は、別のレジデンシャル ゲートウェイにあるエンドポイント `aaln/S1/SU0/1@opt0-2611-2.ss.cisco.com` がコール ウェイティング指示を開始するコールを `aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com` に発呼しています。 DECODE フィールドには、`debug` コマンドによって生成された MGCP メッセージの説明を示します。

MS G	send_mgcp_msg, MGCP Packet sent ---> NTFY 171 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 X: 5 O: L/hd
DE CO DE	NTFY 171! <i>!--- This is the notify message sent to the call agent to report the observed event. !--- The notify sequence number is 171. aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port</i>

	<i>number. X: 5 !--- The request ID is 5. O: L/hd !--- The observed event (O) off-hook (hd) is detected with use of !--- line (L) package.</i>
MSG	MGCP Packet received - 200 171 OK
DECODE	200 171 OK <i>!--- The received acknowledgement states that NTFY sequence !--- 171 was executed normally.</i>
MSG	MGCP Packet received - RQNT 23 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 X: 5 R: L/hu(N),D/[0-9!--*T](D) S: L/dl
DECODE	RQNT 23 <i>!--- The notification request message is sent from the call agent to !--- report the observed event. The sequence number is 23. aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 5 !--- The request ID is 5. R: L/hu(N),D/[0-9!--*T](D) !--- The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) condition exits and evaluates the digits received !--- with use of the digit map ((D)) and the dual tone multifrequency (DTMF) (D/) !--- package. S: L/dl !--- The call agent sends a signaling request (S) to have this !--- gateway use the line (L) package and play dial tone (dl) !--- for 16 seconds to endpoint aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com.</i>
MSG	send_mgcp_msg, MGCP Packet sent ---> 200 23 OK
DECODE	200 2906 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 2906 was executed normally.</i>
MSG	send_mgcp_msg, MGCP Packet sent ---> NTFY 172 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 X: 5 O: D/4720002
DECODE	NTFY 172 <i>!--- This is the notify message sent to the call agent to report !--- the observed event. The notify sequence number is 172. aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 5 !--- The request ID is 5. O: D/4720002 !--- The observed event (O) dialed digits (472-0002) is detected !--- with use of the DTMF (D) package.</i>
MSG	MGCP Packet received - 200 172 OK
DECODE	200 172 OK <i>!--- This received acknowledgement states that NTFY</i>

DE	<i>sequence !--- 172 was executed normally.</i>
MSG	MGCP Packet received - RQNT 24 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 X: 5 R: L/hu(N)
DECODE	RQNT 24 <i>!--- This is the notification request message sent from the call agent to !--- report the observed event. The sequence number is 24.</i> aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com <i>!--- This is the MGCP endpoint ID.</i> MGCP 0.1 <i>!--- The MGCP version is 0.1.</i> N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 <i>!--- This is the notified entity ID with destination port number.</i> X: 5 <i>!--- The request ID is 5.</i> R: L/hu(N) <i>!--- The call agent requests (R) to be notified (N) !--- immediately that an on-hook (hu) event occurs.</i>
MSG	send_mgcp_msg, MGCP Packet sent ---> 200 24 OK
DECODE	200 24 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 24 was executed normally.</i>
MSG	MGCP Packet received - CRCX 25 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 C: 2 L: p:10-20, a:PCMU;PCMA;G726-32, e:off, s:off, t:a0 M: recvonly
DECODE	CRCX 25 <i>!--- This is the create connection (CRCX) message received from the call agent. !--- The sequence number is 25.</i> aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com <i>!--- This is the MGCP endpoint ID.</i> <i>!--- Note: This is the calling party.</i> MGCP 0.1 <i>!--- The MGCP version is 0.1.</i> N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 <i>!--- This is the notified entity ID with destination port number.</i> C: 2 <i>!--- The call identification number (C) is 2. !--- Note: This is NOT the callerid.</i> L: p:10-20 <i>!--- This local connection option (L) requests a packetization !--- period (p) of 10 or 20 milliseconds.</i> a:PCMU;PCMA;G726-32, <i>!--- The compression algorithm (a) options are: u-law pulse code modulation (PCM), !--- a-law PCM, or 32 kbps G.726.</i> e:off, s:off, <i>!--- The call agent has set both echo cancellation (e) and !--- silence suppression (s), also known as voice activity detection (VAD), !--- to disabled.</i> t:a0 <i>!--- The IP header type of service (t) byte for this call is !--- hexadecimal a0, which indicates IP precedence of 5 and minimized delay.</i> M: recvonly <i>!--- The connection mode (M) is a one-way receive at this !--- point until the called party answers.</i>
MSG	send_mgcp_msg, MGCP Packet sent ---> 200 25 I: 1D v=0

	<pre>o=- 2 0 IN IP4 13.200.2.6 s=Cisco SDP 0 c=IN IP4 13.200.2.6 t=0 0 m=audio 16386 RTP/AVP 0 8</pre>
DE CO DE	<pre>200 25 !--- This sent acknowledgement states that CRCX sequence !--- 25 was executed normally. I: 1D !--- The connection identification number is 1D. !--- Note: This is for the calling leg. v=0 !--- The SDP version is 0. o=- 2 0 IN IP4 13.200.2.6 !--- The origin (o) field indicates that no user IDs are used via (-). !--- The session ID is 2 and the version of this announcement is 0. !--- An Internet (IN) IP version 4 source address of 13.200.2.6 !--- is also specified. s=Cisco SDP 0 !--- The session name (s) is "Cisco SDP 0". c=IN IP4 13.200.2.6 !--- The connection data (c) field specifies an Internet (IN) IP !--- version 4 source address of 13.200.2.6. t=0 0 !--- The (t) represents the start (0) and stop (0) times !--- for this call instance. !--- When both start and stop are 0, the call is considered permanent. m=audio 16386 RTP/AVP 0 8 !--- - This SDP media description (m) specifies a media type of audio, !--- destination User Datagram Protocol (UDP) port 16386 for voice-bearer traffic, !--- and Real-Time Transport Protocol (RTP) encapsulation using !--- audio video profile (AVP) with RTP payload type of 0 or 8.</pre>
MS G	<pre>MGCP Packet received - CRCX 26 aaln/S1/SU0/1@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 C: 2 L: p:10-20, a:PCMU;PCMA, e:off, s:off, t:a0, nt:IN M: sendrecv v=0 o=- 2 0 IN IP4 13.200.2.6 s=Cisco SDP 0 c=IN IP4 13.200.2.6 t=0 0 m=audio 16386 RTP/AVP 0 8</pre>
DE CO DE	<pre>CRCX 26 !--- The create connection (CRCX) message is received from the call agent. !--- The sequence number is 26. aaln/S1/SU0/1@opt0-2611- 1.ss.cisco.com !--- This is the MGCP endpoint ID. !--- Note: This is the called party. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp- opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. C: 2 !--- The call identification number (C) is 2. !--- Note: This is NOT the callerid. L: p:10-20 !--- This local connection option (L) requests a packetization !--- period (p) of 10 or 20 milliseconds. a:PCMU;PCMA, !--- The compression algorithm (a) options are: u-law PCM or a-law PCM. e:off, s:off, !--- The call agent has set both echo cancellation (e) and !--- silence suppression (s), also known as VAD, to disabled. t:a0 !--- The IP header type of service (t) byte for this call !--- is hexadecimal a0, which indicates IP precedence !-</pre>

	<pre>-- of 5 and minimized delay. M: sendrecv !--- The connection mode (M) is a two-way send and receive at !--- this point, which allows full conversation. v=0 !--- The SDP version is 0. o=- 2 0 IN IP4 13.200.2.6 !--- The origin (o) field indicates that no user IDs are used via (-). !--- The session ID is 2 and the version of this announcement is 0. !-- - The Internet (IN) IP version 4 source address of 13.200.2.6 !--- is also specified. s=Cisco SDP 0 !- -- The session name (s) is "Cisco SDP 0". c=IN IP4 13.200.2.6 !--- The connection data (c) field specifies an Internet (IN) !--- IP version 4 source address of 13.200.2.6. t=0 0 !--- The (t) represents the start (0) and stop (0) times !--- for this call instance. When both start and stop are 0, !--- the call is considered permanent. m=audio 16386 RTP/AVP 0 8 !--- The SDP media description (m) specifies a media type !--- of audio, destination UDP port 16386 for voice-bearer !--- traffic, and RTP encapsulation using AVP with !--- RTP payload type of 0 or 8.</pre>
MSG	<pre>send_mgcp_msg, MGCP Packet sent ----> 200 26 I: 1E v=0 o=- 2 0 IN IP4 13.200.2.6 s=Cisco SDP 0 c=IN IP4 13.200.2.6 t=0 0 m=audio 16388 RTP/AVP 0</pre>
DECODE	<pre>200 26 !--- This sent acknowledgement states that CRCX sequence !--- 26 was executed normally. I: 1E !--- The connection identification number is 1E. !--- Note: This is for the called leg. v=0 !--- The SDP version is 0. o=- 2 0 IN IP4 13.200.2.6 !--- The origin (o) field indicates that no user IDs are used via (-). !--- The session ID is 2 and the version of this announcement is 0. !--- An Internet (IN) IP version 4 source address of 13.200.2.6 !--- is also specified. s=Cisco SDP 0 !--- The session name (s) is "Cisco SDP 0". c=IN IP4 13.200.2.6 !--- The connection data (c) field specifies an Internet (IN) IP version !--- 4 source address of 13.200.2.6. t=0 0 !--- The (t) represents the start (0) and stop (0) times for !--- this call instance. When both start and stop are 0, !--- the call is considered permanent. m=audio 16388 RTP/AVP 0 8 !-- - The SDP media description (m) specifies a media !--- type of audio, destination UDP port 16388 for !--- voice-bearer traffic, and RTP encapsulation using !--- AVP with RTP payload type of 0 or 8.</pre>
MSG	<pre>MGCP Packet received - MDCX 27 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 I: 1D C: 2 M: recvonly v=0 o=- 2 0 IN IP4 13.200.2.6 s=Cisco SDP 0 c=IN IP4 13.200.2.6</pre>

	<pre>t=0 0 m=audio 16388 RTP/AVP 0</pre>
DE CO DE	<pre>MDCX 27 !--- This is the modify connection (MDCX) message received from the call agent. !--- The sequence number is 27. aaln/S1/SU0/0@opt0-2611- 1.ss.cisco.com !--- This is the MGCP endpoint ID. !--- Note: This is the called party. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp- opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. I: 1D !--- The connection identification number is 1D. !--- Note: This is for the calling leg. C: 2 !--- The call identification number (C) is 2. !--- Note: This is NOT the callerid. M: recvonly !--- The connection mode (M) is a one-way receive at this point until !--- the called party answers. v=0 !--- The SDP version is 0. o=- 2 0 IN IP4 13.200.2.6 !-- - The origin (o) field indicates that no user IDs are used via (-). !--- The session ID is 2 and the version of this announcement is 0. !--- An Internet (IN) IP version 4 destination address of 13.200.2.6 !--- is also specified. s=Cisco SDP 0 !--- The session name (s) is "Cisco SDP 0". c=IN IP4 13.200.2.6 !--- The connection data (c) field specifies an Internet (IN) IP !--- version 4 destination address of 13.200.2.6. t=0 0 !--- The (t) represents the start (0) and stop (0) times for !--- this call instance. When both start and stop are 0, !--- the call is considered permanent. m=audio 16388 RTP/AVP 0 !--- The SDP media description (m) specifies a media type of audio, !- -- destination UDP port 16388 for voice-bearer traffic, and !--- RTP encapsulation using AVP with RTP payload type of 0.</pre>
MS G	<pre>send_mgcp_msg, MGCP Packet sent ---> 200 27 OK</pre>
DE CO DE	<pre>200 27 OK !--- This sent acknowledgement states that MDCX sequence !--- 27 was executed normally.</pre>
MS G	<pre>MGCP Packet received - RQNT 28 aaln/S1/SU0/1@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 X: 6 R: L/hd(N) S: L/rg</pre>
DE CO DE	<pre>RQNT 28 !--- This is the notification request message sent from !--- the call agent to report the observed event. !--- The sequence number is 28. aaln/S1/SU0/1@opt0-2611-1.ss.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp- opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 6 !--- The request ID is 6. R: L/hd(N) !--- The call agent requests (R) to be notified (N) !--- immediately that an off-hook (hd) condition exists. S: L/rg !-- - The call agent sends a signaling request (S) to have this !--- gateway use the line (L) package and generate a ringing tone (rg).</pre>

MSG	send_mgcp_msg, MGCP Packet sent ---> 200 28 OK
DECODE	200 28 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 28 was executed normally.</i>
MSG	MGCP Packet received - RQNT 29 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 X: 5 R: L/hu(N) S: G/rt
DECODE	RQNT 29 <i>!--- This is the notification request message sent from the call agent to !--- report the observed event. The sequence number is 29.</i> aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com <i>!--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1.</i> N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 <i>!--- This is the notified entity ID with destination port number. X: 5 !--- The request ID is 5. R: L/hu(N) !--- The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) condition exists. S: G/rt !--- The call agent sends a signaling request (S) to have !--- this gateway use the generic (G) package and generate a !--- ring-back tone.</i>
MSG	send_mgcp_msg, MGCP Packet sent ---> 200 29 OK
DECODE	200 29 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 29 was executed normally.</i>
MSG	send_mgcp_msg, MGCP Packet sent ---> NTFY 173 aaln/S1/SU0/1@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 X: 6 O: L/hd
DECODE	NTFY 173 <i>!--- This is the notify message sent to the call agent to report !--- the observed event. The notify sequence number is 173.</i> aaln/S1/SU0/1@opt0-2611-1.ss.cisco.com <i>!--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1.</i> N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 <i>!--- This is the notified entity ID with destination port number. X: 6 !--- The request ID is 6. O: L/hd !--- The observed (O) event off-hook (hd) is detected with use of !--- line (L) package.</i>
MSG	MGCP Packet received - 200 173 OK
DECODE	200 173 OK <i>!--- This received acknowledgement states that NTFY sequence !--- 173 was executed normally.</i>
MSG	MGCP Packet received - MDCX 31 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427

	I: 1D C: 2 M: sendrecv
DE CO DE	MDCX 27 <i>!--- This is the modify connection (MDCX) message received from the call agent. !--- The sequence number is 27. aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com !--- This is the MGCP endpoint ID. !--- Note: This is the calling party. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. I: 1D !--- The connection identification number is 1D. !--- Note: This is for the calling leg. C: 2 !--- The call identification number (C) is 2. !--- Note: This is NOT the callerid. M: sendrecv !--- The connection mode (M) is a two-way send and receive at this point, !--- which allows full conversation.</i>
MS G	send_mgcp_msg, MGCP Packet sent ---> 200 31 OK
DE CO DE	200 31 OK <i>!--- This sent acknowledgement states that MDCX sequence !--- 31 was executed normally.</i>
MS G	MGCP Packet received - RQNT 32 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 X: 5 R: L/hu(N),L/hf(N) S:
DE CO DE	RQNT 32 <i>!--- This is the notification request message sent from the call agent to !--- report the observed event. The sequence number is 32. aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 5 !--- The request ID (X) is 5. R: L/hu(N),L/hf(N) !--- The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) or hook flash (hf) condition exists. S: !--- The call agent sends a signaling request (S) to have this !--- gateway signal nothing, thereby stopping the !--- playout of the ring-back tone (rt).</i>
MS G	send_mgcp_msg, MGCP Packet sent ---> 200 32 OK
DE CO DE	200 32 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 32 was executed normally.</i>
MS G	MGCP Packet received - CRCX 36 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 C: 3 L: p:10-20, a:PCMU;PCMA, e:off, s:off, t:a0, nt:IN M: inactive v=0

	<pre>o=- 3 0 IN IP4 13.200.2.7 s=Cisco SDP 0 c=IN IP4 13.200.2.7 t=0 0 m=audio 16388 RTP/AVP 0 8</pre>
DE CO DE	<pre>CRCX 36 !--- The create connection (CRCX) message is received from the call agent. !--- The sequence number is 26. !--- This is a new call coming from another endpoint. aaln/S1/SU0/0@opt0-2611- 1.ss.cisco.com !--- This is the MGCP endpoint ID. !--- Note: This is the called party. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp- opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. C: 3 !--- The call identification number (C) is 3. !--- Note: This is NOT the callerid. !--- This is a new incoming call. L: p:10-20 !--- This local connection option (L) requests a packetization !--- period (p) of 10 or 20 milliseconds. a:PCMU;PCMA, !--- The compression algorithm (a) options are: u- law PCM or a-law PCM. e:off, s:off, !--- The call agent has set both echo cancellation (e) and !--- silence suppression (s), also known as VAD, to disabled. t:a0 !--- The IP header type of service (t) byte for this call is !--- hexadecimal a0, which indicates IP precedence of 5 and !--- minimized delay. M: inactive !--- The connection mode (M) is inactive, which tells the gateway to !- -- neither send nor receive packets on this connection. v=0 !--- The SDP version is 0. o=- 3 0 IN IP4 13.200.2.7 !--- The origin (o) field indicates that no user ids are used via (-). !--- The session ID is 3 and the version of this announcement is 0. !--- An Internet (IN) IP version 4 destination address !--- of 13.200.2.7 is also specified. s=Cisco SDP 0 !--- The session name (s) is "Cisco SDP 0". c=IN IP4 13.200.2.7 !--- The connection data (c) field specifies an Internet (IN) !--- IP version 4 destination address of 13.200.2.7. t=0 0 !--- The (t) represents the start (0) and stop (0) times for this !--- call instance. When both start and stop are 0, the call !--- is considered permanent. m=audio 16388 RTP/AVP 0 8 !-- - The SDP media description (m) specifies a media type of audio, !--- destination UDP port 16388 for voice-bearer traffic, !--- and RTP encapsulation using AVP !--- with RTP payload type of 0 or 8.</pre>
MS G	<pre>send_mgcp_msg, MGCP Packet sent ---> 200 36 I: 1F v=0 o=- 2 0 IN IP4 13.200.2.6 s=Cisco SDP 0 c=IN IP4 13.200.2.6 t=0 0 m=audio 16390 RTP/AVP 0</pre>
DE CO DE	<pre>200 36 !--- This sent acknowledgement states that CRCX sequence !--- 36 was executed normally. I: 1F !--- The connection identification number is 1F. !--- Note: This is for the called leg of the second call. v=0 !--- The SDP version is 0. o=- 2 0 IN IP4</pre>

	<p>13.200.2.6 !--- The origin (o) field indicates that no user IDs are used via (-). !--- The session ID is 2 and the version of this announcement is 0. !--- An Internet (IN) IP version 4 source address of 13.200.2.6 !--- is also specified. s=Cisco SDP 0 !--- The session name (s) is "Cisco SDP 0". c=IN IP4 13.200.2.6 !--- The connection data (c) field specifies an Internet (IN) !--- IP version 4 source address of 13.200.2.6. t=0 0 !--- The (t) represents the start (0) and stop (0) times for this !--- call instance. When both start and stop are 0, the !--- call is considered permanent. m=audio 16390 RTP/AVP 0 !--- The SDP media description (m) specifies a media type of audio, !--- destination UDP port 16390 for voice-bearer traffic, and RTP !--- encapsulation using AVP with RTP payload type of 0.</p>
MSG	<p>MGCP Packet received - RQNT 38 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 X: 5 R: L/hu(N),L/hf(N) S: L/wt</p>
DECODE	<p>RQNT 38 !--- The notification request message is sent from the call agent !--- to report the observed event. The sequence number is 38. aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 5 !--- The request ID (X) is 5. R: L/hu(N),L/hf(N) !--- The call agent requests (R) to be notified (N) !--- immediately that an on-hook (hu) or hook flash (hf) !--- condition exists. S: L/wt !--- The call agent sends a signaling request (S) to have this !--- gateway use the line (L) package and play the call !--- waiting tone (wt).</p>
MSG	<p>send_mgcp_msg, MGCP Packet sent ---> 200 38 OK</p>
DECODE	<p>200 38 OK !--- This sent acknowledgement states that RQNT sequence !--- 38 was executed normally.</p>
MSG	<p>send_mgcp_msg, MGCP Packet sent ---> NTFY 174 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 X: 5 O: L/hf</p>
DECODE	<p>NTFY 174 !--- This is the notify message sent to the call agent to report !--- the observed event. The notify sequence number is 174. aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 5 !--- The request ID is 5. O: L/hf !--- The observed (O) event hook flash (hf) is detected with use of line (L) !--- package.</p>

MSG	MGCP Packet received - 200 174 OK
DECODE	200 174 OK <i>!--- The received acknowledgement states that NTFY sequence !--- 174 was executed normally.</i>
MSG	MGCP Packet received - RQNT 40 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 X: 5 R: L/hu(N),L/hf(N) S:
DECODE	RQNT 40 <i>!--- This is the notification request message sent from the call agent !--- to report the observed event. The sequence number is 40. aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 5 !--- The request ID (X) is 5. R: L/hu(N),L/hf(N) !--- The call agent requests (R) to be notified (N) !--- immediately that an on-hook (hu) or hook flash (hf) !--- condition exists. S: !--- The call agent sends a signaling request (S) to have this !--- gateway signal nothing, which stops the playout of !--- the call waiting tone (wt).</i>
MSG	send_mgcp_msg, MGCP Packet sent ---> 200 40 OK
DECODE	200 40 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 40 was executed normally.</i>
MSG	MGCP Packet received - MDCX 41 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 I: 1D C: 2 M: inactive
DECODE	MDCX 41 <i>!--- This is the modify connection (MDCX) message received !--- from the call agent. The sequence number is 41. aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com !--- This is the MGCP endpoint ID. !--- Note: This is the calling party. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. I: 1D !--- The connection identification number is 1D. !--- Note: This is for the calling leg of the first call. C: 2 !--- The call identification number (C) is 2. !--- Note: This is NOT the callerid. M: inactive !--- The connection mode (M) is inactive, which tells the gateway !--- to neither send nor receive packets on this connection.</i>
MSG	send_mgcp_msg, MGCP Packet sent ---> 200 41 OK
DE	200 41 OK

CO DE	<i>!--- This received acknowledgement states that MDCX sequence !--- 41 was executed normally.</i>
MS G	MGCP Packet received - MDCX 42 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 I: 1F C: 3 M: sendrecv
DE CO DE	MDCX 42 <i>!--- The modify connection (MDCX) message is received from the call agent. !--- The sequence number is 42. aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com !--- This is the MGCP endpoint ID. !--- Note: This is the second called party. MGCP 0.1 !--- The MGCP version is 0.1. . N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. I: 1F !--- The connection identification number is 1F. !--- Note: This is for the called leg of the second call. C: 3 !--- The call identification number (C) is 3. !--- Note: This is NOT the callerid. M: sendrecv !--- The connection mode (M) is a two-way send and receive at this point, !--- which allows full conversation.</i>
MS G	send_mgcp_msg, MGCP Packet sent ---> 200 42 OK
DE CO DE	200 42 OK <i>!--- This received acknowledgement states that MDCX sequence !--- 42 was executed normally.</i>
MS G	send_mgcp_msg, MGCP Packet sent ---> NTFY 175 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 X: 5 O: L/hf
DE CO DE	NTFY 175 <i>!--- The notify message is sent to the call agent to report !--- the observed event. The notify sequence number is 175. aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 5 !--- The request ID is 5. O: L/hf !--- The observed event (O) hook flash (hf) is detected with use of line (L) !--- package.</i>
MS G	MGCP Packet received - 200 175 OK
DE CO DE	200 175 OK <i>!--- This received acknowledgement states that NTFY sequence !--- 175 was executed normally.</i>
MS G	MGCP Packet received - RQNT 45 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 X: 5 R: L/hu(N),L/hf(N) S:

DE CO DE	<p>RQNT 45</p> <p><i>!--- The notification request message is sent from the call agent to !--- report the observed event. The sequence number is 45. aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 5 !--- The request ID (X) is 5. R: L/hu(N),L/hf(N) !--- The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) or hook flash (hf) condition exists. S: !--- The call agent sends a signaling request (S) to have this !--- gateway signal nothing to the endpoint.</i></p>
MS G	<p>send_mgcp_msg, MGCP Packet sent ---></p> <p>200 45 OK</p>
DE CO DE	<p>200 45 OK</p> <p><i>!--- This sent acknowledgement states that RQNT sequence !--- 45 was executed normally.</i></p>
MS G	<p>MGCP Packet received -</p> <p>MDCX 46 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1</p> <p>N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427</p> <p>I: 1F</p> <p>C: 3</p> <p>M: inactive</p>
DE CO DE	<p>MDCX 46</p> <p><i>!--- The modify connection (MDCX) message is received from the call agent. !--- The sequence number is 46. aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com !--- This is the MGCP endpoint ID. !--- Note: This is the called party. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. I: 1F !--- The connection identification number is 1F. !--- Note: This is for the called leg of the second call. C: 3 !--- The call identification number (C) is 3. !--- Note: This is NOT the callerid. M: inactive !--- The connection mode (M) is inactive, which tells the gateway to neither !--- send nor receive packets on this connection.</i></p>
MS G	<p>send_mgcp_msg, MGCP Packet sent ----></p> <p>200 46 OK</p>
DE CO DE	<p>200 46 OK</p> <p><i>!--- This received acknowledgement states that MDCX sequence !--- 46 was executed normally.</i></p>
MS G	<p>MGCP Packet received -</p> <p>MDCX 47 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1</p> <p>N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427</p> <p>I: 1D</p> <p>C: 2</p> <p>M: sendrecv</p>
DE CO DE	<p>MDCX 47</p> <p><i>!--- The modify connection (MDCX) message is received from the call agent. !--- The sequence number is 47. aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com !--- This is the MGCP endpoint ID. !--- Note: This is the first calling party. MGCP</i></p>

	<p>0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. I: 1D !--- The connection identification number is 1D. !--- Note: This is for the calling leg of the first call. C: 2 !--- The call identification number (C) is 2. !--- Note: This is NOT the callerid. M: sendrecv !--- The connection mode (M) is a two-way send and receive at this !--- point, which allows full conversation.</p>
MSG	<p>send_mgcp_msg, MGCP Packet sent ---> 200 47 OK</p>
DECODE	<p>200 47 OK !--- The received acknowledgement states that MDCX sequence !--- 47 was executed normally.</p>
MSG	<p>send_mgcp_msg, MGCP Packet sent ---> NTFY 86 aaln/S1/SU0/1@opt0-2611-2.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 X: 8 O: D/4720001</p>
DECODE	<p>NTFY 86 !--- This is the notify message sent to the call agent to report !--- the observed event. The notify sequence number is 86. aaln/S1/SU0/1@opt0-2611-2.ss.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 8 !--- The request ID is 8. O: D/4720001 !--- The observed event (O) dialed digits (472-0001) is detected with use of !--- the DTMF (D) package.</p>
MSG	<p>MGCP Packet received - 200 86 OK</p>
DECODE	<p>200 86 OK !--- This received acknowledgement states that NTFY sequence !--- 86 was executed normally.</p>
MSG	<p>MGCP Packet received - RQNT 34 aaln/S1/SU0/1@opt0-2611-2.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 X: 8 R: L/hu(N)</p>
DECODE	<p>RQNT 34 !--- This is the notification request message sent from the call agent !--- to report the observed event. The sequence number is 34. aaln/S1/SU0/1@opt0-2611-2.ss.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 8 !--- The request ID is 8. R: L/hu(N) !--- The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) event occurs.</p>
MSG	<p>send_mgcp_msg, MGCP Packet sent ---> 200 34 OK</p>
DE	<p>200 34 OK !--- This sent acknowledgement states that RQNT</p>

CO DE	sequence !--- 34 was executed normally.
MS G	MGCP Packet received - CRCX 35 aaln/S1/SU0/1@opt0-2611-2.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 C: 3 L: p:10-20, a:PCMU;PCMA;G726-32, e:off, s:off, t:a0 M: recvonly
DE CO DE	CRCX 35 <i>!--- The create connection (CRCX) message is received from the call agent. !--- The sequence number is 35. aaln/S1/SU0/1@opt0-2611-2.ss.cisco.com !--- This is the MGCP endpoint ID. !--- Note: This is the calling party. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. C: 3 !--- The call identification number (C) is 3. !--- Note: This is NOT the callerid. L: p:10-20 ! !--- This local connection option (L) requests a packetization !--- period (p) of 10 or 20 milliseconds. a:PCMU;PCMA;G726-32, !--- The compression algorithm (a) options are: u-law pulse code modulation (PCM), !--- a-law,PCM, or 32 kbps G.726. e:off, s:off, !--- The call agent has set both echo cancellation (e) and silence !--- suppression (s), also known as VAD, to disabled. t:a0 !--- The IP header type of service (t) byte for this call is !--- hexadecimal a0, which indicates IP precedence of 5 and !--- minimized delay. M: recvonly !--- The connection mode (M) is a one-way receive at this point, until !--- the called party answers.</i>
MS G	send_mgcp_msg, MGCP Packet sent ---> 200 35 I: 11 v=0 o=- 3 0 IN IP4 13.200.2.7 s=Cisco SDP 0 c=IN IP4 13.200.2.7 t=0 0 m=audio 16388 RTP/AVP 0 8
DE CO DE	200 35 <i>!--- This sent acknowledgement states that CRCX sequence !--- 36 was executed normally. I: 11 !--- The connection identification number is 11. v=0 !--- The session description protocol (SDP) version is 0. o=- 3 0 IN IP4 13.200.2.7 !--- The origin (o) field indicates that no user IDs are used via (-). !--- The session ID is 3 and the version of this announcement is 0. !--- An Internet (IN) IP version 4 source address of !--- 13.200.2.7 is also specified. s=Cisco SDP 0 !--- The session name (s) is "Cisco SDP 0". c=IN IP4 13.200.2.7 !--- The connection data (c) field specifies an Internet (IN) !--- IP version 4 source address of 13.200.2.7. t=0 0 !--- The (t) represents the start (0) and stop (0) times for this !--- call instance. When both start and stop are 0, the call !--- is considered permanent. m=audio 16388 RTP/AVP 0 8 !---</i>

	<p>- The SDP media description (m) specifies a media type of audio, !--- destination User Datagram Protocol (UDP) port 16388 for voice-bearer traffic, !--- and Real-Time Transport Protocol (RTP) encapsulation using !--- audio video profile (AVP) with RTP payload type of 0 or 8.</p>
MSG	<p>MGCP Packet received - MDCX 37 aaln/S1/SU0/1@opt0-2611-2.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 I: 11 C: 3 M: recvonly v=0 o=- 2 0 IN IP4 13.200.2.6 s=Cisco SDP 0 c=IN IP4 13.200.2.6 t=0 0 m=audio 16390 RTP/AVP 0</p>
DECODE	<p>MDCX 37 !--- This modify connection (MDCX) message is received from the call agent. !--- The sequence number is 37. aaln/S1/SU0/1@opt0-2611-2.ss.cisco.com !--- This is the MGCP endpoint ID. !--- Note: This is the calling party. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. I: 11 !--- The connection identification number is 11. !--- Note: This is for the calling leg. C: 3 !--- The call identification number (C) is 3. !--- Note: This is the calling party. M: recvonly !--- The connection mode (M) is a one-way receive at this point, !--- until the called party answers. v=0 !--- The SDP version is 0. o=- 2 0 IN IP4 13.200.2.6 !--- The origin (o) field indicates that no user IDs are used via (-). !--- The session ID is 2 and the version of this announcement is 0. !--- An Internet (IN) IP version 4 destination address of !--- 13.200.2.6 is also specified. s=Cisco SDP 0 !--- The session name (s) is "Cisco SDP 0". c=IN IP4 13.200.2.6 !--- The connection data (c) field specifies an Internet (IN) !--- IP version 4 destination address of 13.200.2.6. t=0 0 !--- The (t) represents the start (0) and stop (0) times for !--- this call instance. When both start and stop are 0, !--- the call is considered permanent. m=audio 16390 RTP/AVP 0 !--- The SDP media description (m) specifies a media type of audio, !--- destination UDP port 16390 for voice-bearer traffic, and !--- RTP encapsulation using AVP with RTP payload type of 0.</p>
MSG	<p>send_mgcp_msg, MGCP Packet sent ---> 200 37 OK</p>
DECODE	<p>200 37 OK !--- This received acknowledgement states that MDCX sequence !--- 37 was executed normally.</p>
MSG	<p>MGCP Packet received - RQNT 39 aaln/S1/SU0/1@opt0-2611-2.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 X: 8</p>

	R: L/hu(N) S: G/rt
DE CO DE	RQNT 39 <i>!--- This is the notification request message sent from the call agent !--- to report the observed event. The sequence number is 39.</i> aaln/S1/SU0/1@opt0-2611-2.ss.cisco.com <i>!--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 8 !--- The request ID is 8. R: L/hu(N) !--- The call agent requests (R) to be notified (N) !--- immediately that an on-hook (hu) condition exists. S: G/rt !--- The call agent sends a signaling request (S) to have this !--- gateway use the generic (G) package and generate a ring-back tone.</i>
MS G	send_mgcp_msg, MGCP Packet sent ---> 200 39 OK
DE CO DE	200 39 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 39 was executed normally.</i>
MS G	MGCP Packet received - MDCX 43 aaln/S1/SU0/1@opt0-2611-2.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 I: 11 C: 3 M: sendrecv
DE CO DE	MDCX 43 <i>!--- This modify connection (MDCX) message is received from !--- the call agent. The sequence number is 43. aaln/S1/SU0/1@opt0-2611-2.ss.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. I: 11 !--- The connection identification number is 11. C: 3 !--- The call identification number (C) is 3. !--- Note: This is NOT the callerid. M: sendrecv !--- The connection mode (M) is a two-way send and receive at this point, !--- which allows full conversation.</i>
MS G	send_mgcp_msg, MGCP Packet sent ---> 200 43 OK
DE CO DE	200 43 OK <i>!--- This received acknowledgement states that MDCX sequence !--- 43 was executed normally.</i>
MS G	MGCP Packet received - RQNT 44 aaln/S1/SU0/1@opt0-2611-2.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 X: 8 R: L/hu(N),L/hf(N) S:
DE CO DE	RQNT 44 <i>!--- This is the notification request message sent from the call agent to !--- report the observed event. The sequence number is 44.</i> aaln/S1/SU0/1@opt0-2611-2.ss.cisco.com <i>!--- This is</i>

	<i>the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 8 !--- This request ID (X) is 8. R: L/hu(N),L/hf(N) !--- The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) or hook flash (hf) condition exists. S: !--- The call agent sends a signaling request (S) to have this !--- gateway signal nothing, which stops the playout of !--- the ring-back tone (rt).</i>
MSG	send_mgcp_msg, MGCP Packet sent ---> 200 44 OK
DECODE	200 44 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 44 was executed normally.</i>
MSG	send_mgcp_msg, MGCP Packet sent ---> NTFY 87 aaln/S1/SU0/1@opt0-2611-2.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 X: 8 O: L/hu
DECODE	NTFY 87 <i>!--- This is the notify message sent to the call agent to report !--- the observed event. The notify sequence number is 87. aaln/S1/SU0/1@opt0-2611-1.ss.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 8 !--- The request ID is 8. O: L/hd !--- The observed event (O) off-hook (hd) is detected with use of !--- line (L) package.</i>
MSG	MGCP Packet received - 200 87 OK
DECODE	200 87 OK <i>!--- This received acknowledgement states that NTFY sequence !--- 87 was executed normally.</i>

関連情報

- [デジタル PRI および Cisco CallManager での MGCP の設定方法](#)
- [音声に関する技術サポート](#)
- [音声とユニファイド コミュニケーションに関する製品サポート](#)
- [Cisco IP Telephony のトラブルシューティング](#)
- [テクニカルサポートとドキュメント - Cisco Systems](#)