

# Образец пакетов отладки MGCP

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## Введение

Этот документ содержит примеры перехвата данных командой `debug mgcp packets` для различных последовательностей вызова протокола MGCP (MGCP). Каждая последовательность приводится в таблице в хронологическом порядке. Таблицы содержат поля сообщения (MSG) и расшифровки (DECODE). Поле MSG содержит непосредственные выходные данные команды `debug`, а поле DECODE поясняет предшествующее сообщение `debug`. В настоящее время определены последовательности отладочных сообщений для следующих ситуаций:

- [Трубка снимается, и пользователь набирает цифры](#)
- [Телефон получает сигнал занято](#)
- [Полный сетевой голосовой вызов, который показывает исходную и терминальную стороны](#)
- [Полная последовательность ожидания вызова между тремя абонентами](#)

Этим документом является Часть 5 из шести документов набор.

1. [Настройка конфигурации Cisco CallManager 3.x в шлюзах IOS MGCP \(порты Analog FXO, FXS\)](#)
2. [Выбор конфигурации шлюза Cisco IOS MGCP](#)
3. [Настройка шлюза MGCP и портов FXO/FXS на сервере Cisco CallManager](#)
4. [Проверка и устранение неполадок шлюза MGCP Cisco IOS](#)
5. Образец пакетов отладки MGCP
6. [Мониторинг, сброс и удаление шлюзов MGCP для Cisco CallManager](#)

# Предварительные условия

## Требования

Для этого документа отсутствуют особые требования.

## Используемые компоненты

Эта конфигурация была протестирована с Cisco CallManager 3.0, 3.1, и 3.2 и различные версии образов релиза 12.2 программного обеспечения Cisco IOS. Снимки экрана и Конфигурация Cisco IOS были перехвачены с помощью программного обеспечения, аппаратных средств и другого упомянутого ниже оборудования.

- 1 \* порт Cisco VG200 / 2 X FXS / 2 X FXO / 1 Fast Ethernet 10/100; выпуск ПО Cisco IOS 12.1(5)T
- 1 \* Cisco CallManager 3.0 (5a) работа MCS7835
- 2 \* Аналоговые гарнитуры
- 2 \* IP-телефоны Cisco 7960

Сведения, представленные в этом документе, были получены от устройств, работающих в специальной лабораторной среде. Все устройства, описанные в этом документе, были запущены с чистой (стандартной) конфигурацией. В рабочей сети необходимо изучить потенциальное воздействие всех команд до их использования.

Для рекомендуемых версий программного обеспечения совместимости между Cisco CallManager и шлюзом Cisco IOS, обратитесь к [Сравнению версий Программного обеспечения Cisco CallManager](#).

**Примечание:** Рекомендуется выпуск ПО Cisco IOS 12.2(11)T и позднее на основе усовершенствований команды `сст-manager`. Команда `сст-manager` требует ПО Cisco IOS версии 12.1(5)XM или более поздней версии на всех маршрутизаторах (Cisco 2600 и 3600), а также на голосовом шлюзе Cisco 200 (VG200).

Cisco 2600 и 3600 маршрутизаторов поддерживают MGCP, если они выполняют программное обеспечение Cisco IOS версии 12.1(3)T или позже. Выбор требуемых версий ПО основан на функциях, которые необходимо активизировать. Сервер Cisco CallManager должен работать на версии 3.0(5)a или более поздней. Конфигурация маршрутизатора одинакова для всех типов маршрутизаторов. Конфигурация Cisco CallManager также одинакова для всех типов маршрутизаторов.

Голосовой шлюз VG200 поддерживает ПО Cisco IOS версии 12.1(5)XM1 и более поздних версий. Выбор требуемых версий ПО основан на функциях, которые необходимо активизировать. Хотя VG200 поддерживается в ранних версиях Cisco CallManager, рекомендуется использование версии 3.0(5)a или более поздних.

## Условные обозначения

[Дополнительные сведения об условных обозначениях см. в документе Технические рекомендации Cisco. Условные обозначения.](#)

## Последовательность отладки для того, когда телефон используется и наборы цифр пользователем

Поля MSG в таблице внизу – это снимки выходных данных команды debug mgcp packets, когда телефон переходит в состояние "трубка снята" и пользователь набирает цифры. В полях "DECODE" содержится интерпретация сообщений MGCP, сформированных командой "debug".

СООБЩЕНИЕ	<pre>21:50:26: send_mgcp_msg, MGCP Packet sent ---&gt; 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</pre>
DECODE	<pre>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).</pre>
СООБЩЕНИЕ	<pre>21:50:26: MGCP Packet received &lt;--- 200 41 OK</pre>
DECODE	<pre>200 41 OK !--- This receive acknowledgement states that NTFY sequence !--- 41 was executed normally.</pre>
СООБЩЕНИЕ	<pre>21:50:26: MGCP Packet received &lt;--- 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</pre>
DECODE	<pre>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</pre>

	<i>(dl) for 16 seconds.</i>
СООБЩЕНИЕ	21:50:26: send_mgcp_msg, MGCP Packet sent ---> 200 1825 OK
DECODE	200 1825 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 1825 was executed normally.</i>
СООБЩЕНИЕ	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
DECODE	NTFY 42 <i>!--- The notify message is sent to the call agent to report the observed !--- event. The notify sequence number is 42.</i> aaln/S1/SU0/1@c26001.atl0.cisco.com !--- 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 !--- Request ID is 50. O: D/16783201735 !--- This residential gateway sends an observed event message !--- that states that it collected the digits (16783201735) which conformed !--- to the digit map.
СООБЩЕНИЕ	21:50:41: MGCP Packet received <--- 200 42 OK
DECODE	200 42 OK <i>!--- This receive acknowledgement states that NTFY sequence !--- 42 was executed normally.</i>
СООБЩЕНИЕ	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)
DECODE	RQNT 1828 <i>!--- This is the notification request message sent to the call agent !--- to report the observed event. The sequence number is 1828.</i> 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 !--- 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.
СООБЩЕНИЕ	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)
DECODE	RQNT 1828 <i>!--- The notification request message is sent to the call agent !--- to report the observed event. The sequence number is 1828.</i>

	<pre>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>
<b>СООБЩЕНИЕ</b>	<pre>21:50:41: MGCP Packet received &lt;--- 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>
<b>ДЕКОДЕ</b>	<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>
<b>СООБЩЕНИЕ</b>	<pre>21:50:41: MGCP Packet received &lt;--- 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>
<b>ДЕКОДЕ</b>	<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>
<b>СООБЩЕНИЕ</b>	<pre>21:50:41: send_mgcp_msg, MGCP Packet sent ---&gt; 200 1828 OK</pre>
<b>ДЕКОДЕ</b>	<pre>200 1828 OK !--- This sent acknowledgement states that RQNT sequence !--- 1828 was executed normally.</pre>

## Последовательность отладки для телефона, который получает сигнал занято

Когда телефон *используется*, набирает цифры, и затем получает сигнал занято, Поля сообщения в таблице, показанной ниже, являются перехватами выходных данных команды

debug mgcp packets. В полях "DECODE" содержится интерпретация сообщений MGCP, сформированных командой "debug".

СООБЩЕНИЕ	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
DECODE	NTFY 98 <i>!--- This is the notify message sent to the call agent to report !--- the observed event. The notify sequence number is 98.</i> aaln/S1/SU0/1@c26002.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 User Datagram Protocol (UDP) !--- port number.</i> X: 53 <i>!--- 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 conformed to the !--- digit map.</i>
СООБЩЕНИЕ	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>
СООБЩЕНИЕ	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.</i> aaln/S1/SU0/1@c26002.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 UDP port number.</i> X: 53 <i>!--- The request ID is 53. R:</i> L/hu(N) <i>!--- The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) condition exists.</i>
СООБЩЕНИЕ	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>
СООБЩЕНИЕ	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.</i> aaln/S1/SU0/1@c26002.atl0.cisco.com <i>!--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N:</i> mgcp.aSCT1CA.atl0.cisco.com:2427 <i>!--- 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>
СООБЩЕНИЕ	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>

## Полный сетевой голосовой вызов, который показывает исходную и терминальную стороны

Когда заверченный телефонный вызов сделан и разъединен, Поля сообщения в этих двух таблицах, показанных ниже, являются перехватами выходных данных команды `debug mgcp packets`. В то время как вторая таблица изображает перспективу оконечной стороны, первая таблица показывает вызов с точки зрения вызывающей стороны. В полях "DECODE" содержится интерпретация сообщений MGCP, сформированных командой "debug".

### Вызывающая сторона

СООБЩЕНИЕ	1d00h: send_mgcp_msg, MGCP Packet sent ---> NTFY 166 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 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.atl0.cisco.com <i>!--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N:</i> 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 !--- The observed event (O) off-hook (hd) is detected with use of line (L) !--- package.</i>
СООБЩЕНИЕ	1d00h: MGCP Packet received - 200 166 OK

E	
DECODE	<p>200 166 OK</p> <p><i>!--- This received acknowledgement states that NTFY sequence !--- 166 was executed normally.</i></p>
СООБЩЕНИЕ	<p>1d00h: MGCP Packet received -</p> <p>RQNT 2877 aaln/S1/SU0/1@c26001.atl0.cisco.com</p> <p>MGCP 0.1</p> <p>N: mgcp.aSCT1CA.atl0.cisco.com:2427</p> <p>X: 50</p> <p>R: L/hu(N),D/[0-9!--*T](D)</p> <p>S: L/dl</p>
DECODE	<p>RQNT 2877</p> <p><i>!--- This is the notification request message received from the call agent to !--- report the observed event. The sequence number 2877.</i></p> <p><i>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. 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></p>
СООБЩЕНИЕ	<p>1d00h: send_mgcp_msg, MGCP Packet sent ---&gt;</p> <p>200 2877 OK</p>
DECODE	<p>200 2877 OK</p> <p><i>!--- This sent acknowledgement states that RQNT sequence !--- 2877 was executed normally.</i></p>
СООБЩЕНИЕ	<p>1d00h: send_mgcp_msg, MGCP Packet sent ---&gt;</p> <p>NTFY 167 aaln/S1/SU0/1@c26001.atl0.cisco.com</p> <p>MGCP 0.1</p> <p>N: mgcp.aSCT1CA.atl0.cisco.com:2427</p> <p>X: 50</p> <p>O: D/6783201737</p>
DECODE	<p>NTFY 167</p> <p><i>!--- This is the notify message sent to the call agent to report !--- the observed event. The notify sequence number is 167.</i></p> <p><i>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. 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></p>
СООБЩЕНИЕ	<p>1d00h: MGCP Packet received -</p> <p>200 167 OK</p>

DECODE	200 167 OK <i>!--- This received acknowledgement states that NTFY sequence !--- 167 was executed normally.</i>
СООБЩЕНИЕ	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)
DECODE	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.</i> 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>!--- The request ID (X) 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>
СООБЩЕНИЕ	1d00h: send_mgcp_msg, MGCP Packet sent ---> 200 2878 OK
DECODE	200 2878 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 2878 was executed normally.</i>
СООБЩЕНИЕ	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
DECODE	CRCX 2879 <i>!--- This is the create connection (CRCX) message received from the call agent. !--- The sequence number is 2879.</i> aaln/S1/SU0/1@c26001.atl0.cisco.com <i>!--- This is the MGCP endpoint ID.</i> 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> C: 64 <i>!--- The call identification number (C) is 64. !--- Note: This is NOT the callerid.</i> L: p:20 <i>!--- This local connection option (L) specifies that the packetization !--- period (p) is 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:on, s:on <i>!--- The call agent has set both echo cancellation (e) and silence !--- suppression (s), also known as voice activity detection (VAD), to enable.</i> t:00 <i>!--- The type of service (t) for this call is 0.</i> M: recvonly <i>!--- The connection mode (M) is received only at this point, which allows !--- only ring-back tone.</i>
СООБЩЕНИЕ	1d00h: send_mgcp_msg, MGCP Packet sent ---> 200 2879 I: 18

E	v=0 c=IN IP4 192.168.25.2 m=audio 16386 RTP/AVP 0 8
DECODE	200 2879 !--- 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.
СООБЩЕНИЕ	1d00h: MGCP Packet received - MDCX 2881 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 I: 18 C: 64 M: recvonly v=0 c=IN IP4 192.168.25.6 t=0 0 m=audio 16388 RTP/AVP 0
DECODE	MDCX 2881 !--- 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: mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination port number. I: 18 !--- The connection identification number is 18. C: 64 !--- The call identification number (C) is 64. !--- <b>Note:</b> 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.
СООБЩЕНИЕ	1d00h: send_mgcp_msg, MGCP Packet sent ---> 200 2881 OK
DECODE	200 2881 OK !--- This sent acknowledgement states that MDCX sequence !--- 2881 was executed normally.
СООБЩЕНИЕ	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
DECODE	RQNT 2883 <i>!--- The notification request message is sent from the call agent !--- to report the observed event. The sequence number is 2883.</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:</i> 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. 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).</i>
СООБЩЕНИЕ	1d00h: send_mgcp_msg, MGCP Packet sent ---> 200 2883 OK
DECODE	200 2883 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 2883 was executed normally.</i>
СООБЩЕНИЕ	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
DECODE	MDCX 2885 <i>!--- This is the modify connection (MDCX) message received from the call agent. !--- The sequence number is 2885.</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:</i> mgcp.aSCT1CA.atl0.cisco.com:2427 <i>!--- This is the notified entity ID with destination port number. I: 18 !--- The connection identification number is 18. 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.</i>
СООБЩЕНИЕ	1d00h: send_mgcp_msg, MGCP Packet sent ---> 200 2885 OK
DECODE	200 2885 OK <i>!--- This sent acknowledgement states that MDCX sequence !--- 2885 was executed normally.</i>
СООБЩЕНИЕ	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:
DECODE	RQNT 2886

DE	<p><i>!--- The notification request message is sent from the call agent !--- to report the observed event. The sequence number is 2886.</i></p> <p><i>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. 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).</i></p>
СООБЩЕНИЕ	<p>1d00h: send_mgcp_msg, MGCP Packet sent ---&gt; 200 2886 OK</p>
DECODE	<p>200 2886 OK</p> <p><i>!--- This sent acknowledgement states that RQNT sequence !--- 2886 was executed normally.</i></p>
СООБЩЕНИЕ	<p>1d00h: send_mgcp_msg, MGCP Packet sent ---&gt; 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</p> <p><i>!--- The notify (NTFY) message is sent to the call agent to report !--- the observed event. The notify sequence number is 168.</i></p> <p><i>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. 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).</i></p>
СООБЩЕНИЕ	<p>1d00h: MGCP Packet received - 200 168 OK</p>
DECODE	<p>200 168 OK</p> <p><i>!--- This receive acknowledgement states that NTFY sequence !--- 168 was executed normally.</i></p>
СООБЩЕНИЕ	<p>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)</p>
DECODE	<p>RQNT 2888</p> <p><i>!--- The notification request message is sent from the call agent !--- to report the observed event. The sequence number is 2888.</i></p> <p><i>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</i></p>

	<i>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>
<b>СООБЩЕНИЕ</b>	1d00h: send_mgcp_msg, MGCP Packet sent ---> 200 2888 OK
<b>ДЕКОДЕ</b>	200 2888 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 2888 was executed normally.</i>
<b>СООБЩЕНИЕ</b>	1d00h: MGCP Packet received - DLCX 2890 aaln/S1/SU0/1@c26001.at10.cisco.com MGCP 0.1 I: 18 C: 64
<b>ДЕКОДЕ</b>	DLCX 2890 <i>!--- The deleted connection (DLCX) message is received from the call agent. !--- The sequence number is 2890.</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. I: 18 !--- The connection identification number is 18. C: 64 !--- The call identification number (C) is 64. !--- Note: This is NOT the callerid.</i>
<b>СООБЩЕНИЕ</b>	1d00h: send_mgcp_msg, MGCP Packet sent ---> 250 2890 P: PS=305, OS=47685, PR=501, OR=79722, PL=4, JI=288, LA=3
<b>ДЕКОДЕ</b>	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>

## Сторона завершения

<b>СООБЩЕНИЕ</b>	1d00h: MGCP Packet received - CRCX 2899 aaln/S1/SU0/1@c26001.at10.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.at10.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
<b>ДЕКОДЕ</b>	CRCX 2899 <i>!--- The create connection (CRCX) message is received from the call agent. !--- The sequence</i>

	<p>number is 2899.</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:</p> <p>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. !--- <b>Note:</b> 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.</p>
СООБЩЕНИЕ	<p>1d00h: send_mgcp_msg, MGCP Packet sent ---&gt;</p> <p>200 2899</p> <p>I: 19</p> <p>v=0</p> <p>c=IN IP4 192.168.25.2</p> <p>m=audio 16386 RTP/AVP 0</p>
DECODE	<p>200 2899</p> <p>!--- 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 !--- encapsulation using AVP with RTP payload type of 0.</p>
СООБЩЕНИЕ	<p>1d00h: MGCP Packet received -</p> <p>RQNT 2901 aaln/S1/SU0/1@c26001.atl0.cisco.com</p> <p>MGCP 0.1</p> <p>N: mgcp.aSCT1CA.atl0.cisco.com:2427</p> <p>X: 50</p> <p>R: L/hd(N)</p> <p>S: L/rg</p>
DECODE	<p>RQNT 2901</p> <p>!--- This is the notification request message</p>

	<p>sent from the call agent to report !--- the observed event. The sequence number is 2901. 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. 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).</p>
<b>СООБЩЕНИЕ</b>	<p>1d00h: send_mgcp_msg, MGCP Packet sent ---&gt; 200 2901 OK</p>
<b>DECODE</b>	<p>200 2901 OK !--- This sent acknowledgement states that RQNT sequence !--- 2901 was executed normally.</p>
<b>СООБЩЕНИЕ</b>	<p>1d00h: send_mgcp_msg, MGCP Packet sent ---&gt; 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</p>
<b>DECODE</b>	<p>NTFY 169 !--- This is the notify message sent to the call agent to report !--- the observed event. The notify sequence number is 169. 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/hd !--- Observed event (O) off-hook (hd) is detected with use of !--- line (L) package.</p>
<b>СООБЩЕНИЕ</b>	<p>1d00h: MGCP Packet received - 200 169 OK</p>
<b>DECODE</b>	<p>200 169 OK !--- This received acknowledgement states that NTFY sequence !--- 169 was executed normally.</p>
<b>СООБЩЕНИЕ</b>	<p>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)</p>
<b>DECODE</b>	<p>RQNT 2903 !--- This is the notification request message 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)</p>

	<i>to be notified (N) immediately !--- that an on-hook (hu) or hook flash (hf) condition exists.</i>
<b>СООБЩЕНИЕ</b>	1d00h: send_mgcp_msg, MGCP Packet sent ---> 200 2903 OK
<b>ДЕКОДЕ</b>	200 2903 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 2903 was executed normally.</i>
<b>СООБЩЕНИЕ</b>	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
<b>ДЕКОДЕ</b>	NTFY 170 <i>!--- The notify message is sent to the call agent to report the observed !--- event. The notify sequence number is 170.</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:</i> 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/hu !--- This residential gateway sends an observed event (O) that the !--- user went on-hook or hung up (hu).</i>
<b>СООБЩЕНИЕ</b>	1d00h: MGCP Packet received - 200 170 OK
<b>ДЕКОДЕ</b>	200 170 OK <i>!--- This received acknowledgement states that NTFY sequence !--- 170 was executed normally.</i>
<b>СООБЩЕНИЕ</b>	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)
<b>ДЕКОДЕ</b>	RQNT 2906 <i>!--- The notification request message is sent from the call agent to !--- report the observed event. The sequence number is 2906.</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:</i> 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:</i> L/hd(N) <i>!--- The call agent requests (R) to be notified (N) !--- immediately that an off-hook (hd) condition exists.</i>
<b>СООБЩЕНИЕ</b>	1d00h: send_mgcp_msg, MGCP Packet sent ---> 200 2906 OK
<b>ДЕКОДЕ</b>	200 2906 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 2906 was executed normally.</i>
<b>СООБ</b>	1d00h: MGCP Packet received - DLCX 2907 aaln/S1/SU0/1@c26001.atl0.cisco.com

<b>ЩЕН Е</b>	MGCP 0.1 I: 19 C: 65
<b>DECO DE</b>	DLCX 2907 <i>!--- The delete connection (DLCX) message is received from the call agent. !--- The sequence number is 2907.</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: 19 !--- The connection identification number is 19. C: 65 !--- The call identification number (C) is 65. !--- Note: This is NOT the callerid.</i>
<b>СООБ ЩЕНИ Е</b>	1d00h: send_mgcp_msg, MGCP Packet sent ---> 250 2907 P: PS=334, OS=52843, PR=293, OR=46601, PL=0, JI=512, LA=3
<b>DECO DE</b>	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>

## Полная последовательность ожидания вызова между тремя абонентами

Когда ожидание вызова сообщено к одной конечной точке шлюза агентом вызовов, **Поля сообщения** в этих двух таблицах, показанных ниже, являются перехватами выходных данных команды **debug mgcp packets**. [Первая таблица](#) показывает конечную точку, aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com делает телефонный звонок к 472-0002, который завершается на том же шлюзе для домашних пользователей, и получите индикацию ожидания вызова во время вызова. [Вторая таблица](#) показывает конечную точку aaln/S1/SU0/1@opt0-2611-2.ss.cisco.com, расположенный на другом шлюзе для домашних пользователей, размещая вызов, который инициирует индикацию ожидания вызова aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com. **В полях "DECODE"** содержится интерпретация сообщений MGCP, сформированных командой "debug".

<b>СООБ ЩЕНИ Е</b>	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
<b>DECO DE</b>	NTFY 171!--- <i>This is the notify message sent to the call agent to report the observed event. !--- The notify sequence number is 171.</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. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number.</i>

	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.
<b>СООБЩЕНИЕ</b>	MGCP Packet received - 200 171 OK
<b>ДЕКОДЕ</b>	200 171 OK !--- The received acknowledgement states that NTFY sequence !--- 171 was executed normally.
<b>СООБЩЕНИЕ</b>	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
<b>ДЕКОДЕ</b>	RQNT 23 !--- 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.
<b>СООБЩЕНИЕ</b>	send_mgcp_msg, MGCP Packet sent ---> 200 23 OK
<b>ДЕКОДЕ</b>	200 2906 OK !--- This sent acknowledgement states that RQNT sequence !--- 2906 was executed normally.
<b>СООБЩЕНИЕ</b>	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
<b>ДЕКОДЕ</b>	NTFY 172 !--- 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.

СООБЩЕНИЕ	MGCP Packet received - 200 172 OK
DECODE	200 172 OK <i>!--- This received acknowledgement states that NOTIFY sequence !--- 172 was executed normally.</i>
СООБЩЕНИЕ	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. 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) !--- The call agent requests (R) to be notified (N) !--- immediately that an on-hook (hu) event occurs.</i>
СООБЩЕНИЕ	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>
СООБЩЕНИЕ	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. 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. 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;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 voice activity detection (VAD), !--- to disabled. t:a0 !--- The IP header type of service (t) byte for this call is !--- hexadecimal a0, which</i>

	<p><i>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></p>
СООБЩЕНИЕ	<pre>send_mgcp_msg, MGCP Packet sent ---&gt; 200 25 I: 1D 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>
ДЕКОДЕ	<pre>200 25 !--- This sent acknowledgement states that CRCX sequence !--- 25 was executed normally. I: 1D !- -- The connection identification number is 1D. !--- <b>Note:</b> 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>
СООБЩЕНИЕ	<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>
ДЕКОДЕ	<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. !--- <b>Note:</b> 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. !--- <b>Note:</b> This is NOT the callerid. L: p:10-</pre>

	<p>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: 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.</p>
<p><b>СООБЩЕНИЕ</b></p>	<p>send_mgcp_msg, MGCP Packet sent ---&gt;  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</p>
<p><b>DECODE</b></p>	<p>200 26  !--- This sent acknowledgement states that CRCX sequence !--- 26 was executed normally. I: 1E !-- - The connection identification number is 1E.  !--- <b>Note:</b> 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</p>

	using !--- AVP with RTP payload type of 0 or 8.
СООБЩЕНИЕ	<p>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  t=0 0  m=audio 16388 RTP/AVP 0</p>
ДЕКОДЕ	<p>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. !--- <b>Note:</b> 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. !--- <b>Note:</b> This is for the calling leg. C: 2 !--- The call identification number (C) is 2. !--- <b>Note:</b> 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.</p>
СООБЩЕНИЕ	<p>send_mgcp_msg, MGCP Packet sent ----&gt;  200 27 OK</p>
ДЕКОДЕ	<p>200 27 OK  !--- This sent acknowledgement states that MDCX sequence !--- 27 was executed normally.</p>
СООБЩЕНИЕ	<p>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</p>

DECODE	<p>RQNT 28</p> <p><i>!--- This is the notification request message sent from !--- the call agent to report the observed event. !--- The sequence number is 28.</i></p> <p><i>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.</i></p> <p><i>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).</i></p>
СООБЩЕНИЕ	<p>send_mgcp_msg, MGCP Packet sent ----&gt;</p> <p>200 28 OK</p>
DECODE	<p>200 28 OK</p> <p><i>!--- This sent acknowledgement states that RQNT sequence !--- 28 was executed normally.</i></p>
СООБЩЕНИЕ	<p>MGCP Packet received -</p> <p>RQNT 29 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com</p> <p>MGCP 0.1</p> <p>N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427</p> <p>X: 5</p> <p>R: L/hu(N)</p> <p>S: G/rt</p>
DECODE	<p>RQNT 29</p> <p><i>!--- This is the notification request message sent from the call agent to !--- report the observed event. The sequence number is 29.</i></p> <p><i>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.</i></p> <p><i>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></p>
СООБЩЕНИЕ	<p>send_mgcp_msg, MGCP Packet sent ----&gt;</p> <p>200 29 OK</p>
DECODE	<p>200 29 OK</p> <p><i>!--- This sent acknowledgement states that RQNT sequence !--- 29 was executed normally.</i></p>
СООБЩЕНИЕ	<p>send_mgcp_msg, MGCP Packet sent ----&gt;</p> <p>NTFY 173 aaln/S1/SU0/1@opt0-2611-1.ss.cisco.com</p> <p>MGCP 0.1</p> <p>N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427</p> <p>X: 6</p> <p>O: L/hd</p>
DECODE	<p>NTFY 173</p> <p><i>!--- This is the notify message sent to the call agent to report !--- the observed event. The notify sequence number is 173.</i></p>

	<pre>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. O: L/hd !--- The observed (O) event off-hook (hd) is detected with use of !--- line (L) package.</pre>
<b>СООБЩЕНИЕ</b>	<pre>MGCP Packet received - 200 173 OK</pre>
<b>ДЕКОДЕ</b>	<pre>200 173 OK !--- This received acknowledgement states that NTFY sequence !--- 173 was executed normally.</pre>
<b>СООБЩЕНИЕ</b>	<pre>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</pre>
<b>ДЕКОДЕ</b>	<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 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.</pre>
<b>СООБЩЕНИЕ</b>	<pre>send_mgcp_msg, MGCP Packet sent ----&gt; 200 31 OK</pre>
<b>ДЕКОДЕ</b>	<pre>200 31 OK !--- This sent acknowledgement states that MDCX sequence !--- 31 was executed normally.</pre>
<b>СООБЩЕНИЕ</b>	<pre>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:</pre>
<b>ДЕКОДЕ</b>	<pre>RQNT 32 !--- 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)</pre>

	<p>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).</p>
<b>СООБЩЕНИЕ</b>	<p>send_mgcp_msg, MGCP Packet sent ----&gt;  200 32 OK</p>
<b>DECODE</b>	<p>200 32 OK  !--- This sent acknowledgement states that RQNT sequence !--- 32 was executed normally.</p>
<b>СООБЩЕНИЕ</b>	<p>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  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</p>
<b>DECODE</b>	<p>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. !--- <b>Note:</b> 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. !--- <b>Note:</b> 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</p>

	<p>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.</p>
<p><b>СООБЩЕНИЕ</b></p>	<pre>send_mgcp_msg, MGCP Packet sent ---&gt; 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>
<p><b>ДЕКОДЕ</b></p>	<pre>200 36 !--- This sent acknowledgement states that CRCX sequence !--- 36 was executed normally. I: 1F !-- -- The connection identification number is 1F. !--- <b>Note:</b> This is for the called leg of the second call. 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 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.</pre>
<p><b>СООБЩЕНИЕ</b></p>	<pre>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</pre>
<p><b>ДЕКОДЕ</b></p>	<pre>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</pre>

	<i>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).</i>
<b>СООБЩЕНИЕ</b>	send_mgcp_msg, MGCP Packet sent ----> 200 38 OK
<b>ДЕКОДЕ</b>	200 38 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 38 was executed normally.</i>
<b>СООБЩЕНИЕ</b>	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
<b>ДЕКОДЕ</b>	NTFY 174 <i>!--- This is the notify message sent to the call agent to report !--- the observed event. The notify sequence number is 174.</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.</i> X: 5 <i>!--- The request ID is 5.</i> O: L/hf <i>!--- The observed (O) event hook flash (hf) is detected with use of line (L) !--- package.</i>
<b>СООБЩЕНИЕ</b>	MGCP Packet received - 200 174 OK
<b>ДЕКОДЕ</b>	200 174 OK <i>!--- The received acknowledgement states that NTFY sequence !--- 174 was executed normally.</i>
<b>СООБЩЕНИЕ</b>	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:
<b>ДЕКОДЕ</b>	RQNT 40 <i>!--- This is the notification request message sent from the call agent !--- to report the observed event. The sequence number is 40.</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.</i> X: 5 <i>!--- The request ID (X) is 5.</i> R: L/hu(N),L/hf(N) <i>!--- The call agent requests (R) to be notified (N) !--- immediately that an on-hook (hu) or hook flash (hf) !--- condition exists.</i> S: <i>!--- 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>
<b>СООБЩЕНИЕ</b>	send_mgcp_msg, MGCP Packet sent ----> 200 40 OK

E	
DECODE	200 40 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 40 was executed normally.</i>
СООБЩЕНИЕ	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>
СООБЩЕНИЕ	send_mgcp_msg, MGCP Packet sent ----> 200 41 OK
DECODE	200 41 OK <i>!--- This received acknowledgement states that MDCX sequence !--- 41 was executed normally.</i>
СООБЩЕНИЕ	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
DECODE	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>
СООБЩЕНИЕ	send_mgcp_msg, MGCP Packet sent ----> 200 42 OK

DECODE	200 42 OK <i>!--- This received acknowledgement states that MDCX sequence !--- 42 was executed normally.</i>
СООБЩЕНИЕ	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
DECODE	NTFY 175 <i>!--- The notify message is sent to the call agent to report !--- the observed event. The notify sequence number is 175.</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. 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>
СООБЩЕНИЕ	MGCP Packet received - 200 175 OK
DECODE	200 175 OK <i>!--- This received acknowledgement states that NTFY sequence !--- 175 was executed normally.</i>
СООБЩЕНИЕ	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:
DECODE	RQNT 45 <i>!--- The notification request message is sent from the call agent to !--- report the observed event. The sequence number is 45.</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. 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>
СООБЩЕНИЕ	send_mgcp_msg, MGCP Packet sent ---> 200 45 OK
DECODE	200 45 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 45 was executed normally.</i>
СООБЩЕНИЕ	MGCP Packet received - MDCX 46 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: inactive
DECODE	MDCX 46 <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>
СООБЩЕНИЕ	send_mgcp_msg, MGCP Packet sent ----> 200 46 OK
DECODE	200 46 OK <i>!--- This received acknowledgement states that MDCX sequence !--- 46 was executed normally.</i>
СООБЩЕНИЕ	MGCP Packet received - MDCX 47 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
DECODE	MDCX 47 <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 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.</i>
СООБЩЕНИЕ	send_mgcp_msg, MGCP Packet sent ----> 200 47 OK
DECODE	200 47 OK <i>!--- The received acknowledgement states that MDCX sequence !--- 47 was executed normally.</i>
СООБЩЕНИЕ	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

DECODE	<p>NTFY 86</p> <p><i>!--- This is the notify message sent to the call agent to report !--- the observed event. The notify sequence number is 86.</i></p> <p>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. O: D/4720001 !--- The observed event (O) dialed digits (472-0001) is detected with use of !--- the DTMF (D) package.</i></p>
СООБЩЕНИЕ	<p>MGCP Packet received -</p> <p>200 86 OK</p>
DECODE	<p>200 86 OK</p> <p><i>!--- This received acknowledgement states that NTFY sequence !--- 86 was executed normally.</i></p>
СООБЩЕНИЕ	<p>MGCP Packet received -</p> <p>RQNT 34 aaln/S1/SU0/1@opt0-2611-2.ss.cisco.com</p> <p>MGCP 0.1</p> <p>N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427</p> <p>X: 8</p> <p>R: L/hu(N)</p>
DECODE	<p>RQNT 34</p> <p><i>!--- This is the notification request message sent from the call agent !--- to report the observed event. The sequence number is 34.</i></p> <p>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) event occurs.</i></p>
СООБЩЕНИЕ	<p>send_mgcp_msg, MGCP Packet sent ----&gt;</p> <p>200 34 OK</p>
DECODE	<p>200 34 OK</p> <p><i>!--- This sent acknowledgement states that RQNT sequence !--- 34 was executed normally.</i></p>
СООБЩЕНИЕ	<p>MGCP Packet received -</p> <p>CRCX 35 aaln/S1/SU0/1@opt0-2611-2.ss.cisco.com</p> <p>MGCP 0.1</p> <p>N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427</p> <p>C: 3</p> <p>L: p:10-20, a:PCMU;PCMA;G726-32, e:off, s:off, t:a0</p> <p>M: recvnly</p>
DECODE	<p>CRCX 35</p> <p><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.</i></p>

	<p>C: 3 !--- The call identification number (C) is 3. !--- <b>Note:</b> 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.</p>
<p><b>СООБЩЕНИЕ</b></p>	<p>send_mgcp_msg, MGCP Packet sent ---&gt;  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</p>
<p><b>ДЕКОДЕ</b></p>	<p>200 35  !--- 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 !--- 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>
<p><b>СООБЩЕНИЕ</b></p>	<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</p> <p><i>!--- 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.</i></p>
СООБЩЕНИЕ	<p>send_mgcp_msg, MGCP Packet sent ---&gt; 200 37 OK</p>
DECODE	<p>200 37 OK</p> <p><i>!--- This received acknowledgement states that MDCX sequence !--- 37 was executed normally.</i></p>
СООБЩЕНИЕ	<p>MGCP Packet received -</p> <p>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 R: L/hu(N) S: G/rt</p>
DECODE	<p>RQNT 39</p> <p><i>!--- This is the notification request message sent from the call agent !--- to report the observed event. The sequence number is 39. 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) condition exists. S: G/rt !--- The call agent sends a signaling request (S) to have this !--- gateway</i></p>

	use the generic (G) package and generate a ring-back tone.
СООБЩЕНИЕ	send_mgcp_msg, MGCP Packet sent ----> 200 39 OK
ДЕКОДЕ	200 39 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 39 was executed normally.</i>
СООБЩЕНИЕ	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
ДЕКОДЕ	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>
СООБЩЕНИЕ	send_mgcp_msg, MGCP Packet sent ----> 200 43 OK
ДЕКОДЕ	200 43 OK <i>!--- This received acknowledgement states that MDCX sequence !--- 43 was executed normally.</i>
СООБЩЕНИЕ	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:
ДЕКОДЕ	RQNT 44 <i>!--- This is the notification request message sent from the call agent to !--- report the observed event. The sequence number is 44. 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 !--- 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>
СООБ	send_mgcp_msg, MGCP Packet sent ----> 200 44 OK

ЩЕНИ Е	
ДЕСО ДЕ	200 44 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 44 was executed normally.</i>
СООБ ЩЕНИ Е	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
ДЕСО ДЕ	NTFY 87 <i>!--- This is the notify message sent to the call agent to report !--- the observed event. The notify sequence number is 87.</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. 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>
СООБ ЩЕНИ Е	MGCP Packet received - 200 87 OK
ДЕСО ДЕ	200 87 OK <i>!--- This received acknowledgement states that NTFY sequence !--- 87 was executed normally.</i>

## Дополнительные сведения

- [Как настроить MGCP для цифрового интерфейса PRI и Cisco CallManager](#)
- [Поддержка голосовых технологий](#)
- [Поддержка продуктов Голосовой и Унифицированной связи](#)
- [Устранение неполадок в системах IP-телефонии Cisco](#)
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