Видеовызовы H.323 в CUBE и Cisco Gatekeeper

Содержание

Введение

Цель этого документа состоит в том, чтобы предоставить информацию о конфигурации и устранении проблем для видеовызовов H.323 через Cisco Unified Border Element (CUBE) и Сторожевое устройство Cisco.

Подробные данные топологии сети:

Существует два узла:

- Узел 1 Cisco Unified Communication Manager использования.
- Узел 2 использования Cisco Unified Communication Manager Express (CME).

Каждый узел имеет CUBE и Сторожевое устройство, совместно-расположенное на том же устройстве. Сторожевое устройство на Узле 1 настроено как удаленное сторожевое устройство в Узле 2 и наоборот. Вызовы межузла направлены через CUBE (режим flow-through) расположенный в каждом узле. Cisco Unified Communication Manager и CUBE на Узле 1 tech-prefix использования #2. CME и CUBE на Узле 2 tech-prefix использования #3.

Пользователи используют камеры Преимущества VT и IP-телефон для создания аудио / видеовызовы.

Предварительные условия

Требования

Для этого документа отсутствуют особые требования.

Используемые компоненты

Сведения, содержащиеся в данном документе, касаются следующих версий программного обеспечения и оборудования:

- Cisco Unified CallManager — 6.1.1.3000-2
- CUBE и сторожевое устройство — Cisco IOS Software Release 12.4 (15) T6
- Cisco CallManager Express — Cisco IOS Software Release 12.4 (15) T6

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.

Условные обозначения

Дополнительные сведения об условных обозначениях см. в документе Условные обозначения технических терминов Cisco.

Настройка

В этом разделе содержатся сведения о настройке функций, описанных в этом документе.

Примечание: Чтобы получить подробные сведения о командах в данном документе, используйте Средство поиска команд (только для зарегистрированных клиентов).

Схема сети

В настоящем документе используется следующая схема сети:

Конфигурации

Эти конфигурации используются в данном документе:

- CUBE и конфигурация сторожевого устройства в узле 1
- CUBE и конфигурация сторожевого устройства в узле 2
- Конфигурация CME
- Конфигурация Cisco Unified Communication Manager

CUBE и конфигурация сторожевого устройства в узле 1
`!---Enable H.323 – H.323 call connections` voice service voip allow-connections h323 to h323 `!--- Configure the`

```
CUBE to register with the local Gatekeeper zone CCM-CUBE
!--- using tech-prefix 2# and CUBE-1 as the H323 ID
interface FastEthernet0/0 ip address 14.50.201.17
255.255.255.0 h323-gateway voip interface h323-gateway
voip id CCM-CUBE ipaddr 14.50.201.17 1719 h323-gateway
voip h323-id CUBE-1 h323-gateway voip tech-prefix 2#
h323-gateway voip bind srcaddr 14.50.201.17 ! !---
Configure dial-peers to route calls with called numbers
prefixed !--- with 2# and 3# dial-peer voice 919 voip
destination-pattern 2#T session target ras incoming
called-number . dtmf-relay h245-alphanumeric codec
g711ulaw no vad ! dial-peer voice 408 voip destination-
pattern 3#T session target ras dtmf-relay h245-
alphanumeric codec g711ulaw no vad !--- Configure local
zones CCM, CCM-CUBE and remote zone CME-CUBE !---
Configure a zone prefix to route 919* calls to CCM Zone
!--- Configure a hop-off prefix to route calls beginning
with 3# to remote zone CME-CUBE !--- Configure invia and
outvia parameters such that calls coming in / going out
CCM !--- zone are sent via the IP-IP Gateway registered
in CCM-CUBE zone !--- Configure invia and outvia
parameters such that calls coming in / going out of !---
remote CME-CUBE zone are sent via the IP-IP Gateway
registered in CCM-CUBE zone gatekeeper zone local CCM
cisco.com 14.50.201.17 invia CCM-CUBE outvia CCM-CUBE
zone local CCM-CUBE cisco.com zone remote CME-CUBE
cisco.com 14.1.123.95 1719 invia CCM-CUBE outvia CCM-
CUBE zone prefix CCM 919..... gw-type-prefix 3#*
hopoff CME-CUBE no shutdown !—-- Enable H.323 VoIP
Gateway gateway
```

CUBE и конфигурация сторожевого устройства в узле 2

```
!---Enable H.323 – H.323 call connections voice service
voip allow-connections h323 to h323 !--- Configure the
CUBE to register with the local Gatekeeper zone CME-CUBE
!--- using tech-prefix 3# and CUBE-2 as the H323 ID
interface FastEthernet0/0 ip address 14.1.123.95
255.255.255.0 h323-gateway voip interface h323-gateway
voip id CME-CUBE ipaddr 14.1.123.95 1719 h323-gateway
voip h323-id CUBE-2 h323-gateway voip tech-prefix 3#
h323-gateway voip bind srcaddr 14.1.123.95 ! !---
Configure dial-peers to route calls with called numbers
prefixed with 2# and 3# !--- using the Gatekeeper dial-
peer voice 919 voip destination-pattern 2#T session
target ras incoming called-number . dtmf-relay h245-
alphanumeric codec g711ulaw no vad ! dial-peer voice 408
voip destination-pattern 3#T session target ras dtmf-
relay h245-alphanumeric codec g711ulaw no vad !---
Configure local zones CME, CME-CUBE and remote zone CCM-
CUBE !--- Configure a zone prefix to route 408* calls to
CME Zone !--- Configure a hop-off prefix to route calls
beginning with 2# to remote zone CCM-CUBE !--- Configure
invia and outvia parameters such that calls coming in /
going out !--- of CME zone are sent through the IP-IP
Gateway registered in CME-CUBE zone. !--- Configure
invia and outvia parameters such that calls coming in /
going out !--- of remote CCM-CUBE zone are sent via the
IP-IP Gateway registered in CME-CUBE zone gatekeeper
zone local CME cisco.com 14.1.123.95 invia CME-CUBE
outvia CME-CUBE zone local CME-CUBE cisco.com zone
remote CCM-CUBE cisco.com 14.50.201.17 1719 invia CME-
CUBE outvia CME-CUBE zone prefix CME 4085252... gw-type-
```

```
prefix 2#* hopoff CCM-CUBE no shutdown ! !—--Enable
H.323 VoIP Gateway gateway
```

Конфигурация CME

```
!--- Configure the CME to register with the Gatekeeper
zone CME !--- using tech-prefix 3# and CME-1 as the H323
ID interface GigabitEthernet0/0 ip address 14.1.103.74
255.255.255.0 h323-gateway voip interface h323-gateway
voip id CME ipaddr 14.1.123.95 1719 h323-gateway voip
h323-id CME-1 h323-gateway voip tech-prefix 3# h323-
gateway voip bind srcaddr 14.1.103.74 !--- Configure
inbound dial-peer with a translation profile to strip 3#
!--- in the called-number of incoming calls received by
CME ! voice translation-rule 1 rule 1 /^3#\(.*$\)/ /\1/
! ! voice translation-profile 1 translate called 1 !
dial-peer voice 3 voip translation-profile incoming 1
incoming called-number 3#. dtmf-relay h245-alphanumeric
codec g711ulaw no vad ! !--- Configure outbound dial-
peer to route calls to 919* via the Gatekeeper. !---
Note that 2# is prefixed to the called number using the
tech-prefix command dial-peer voice 919 voip
destination-pattern 9193922000 session target ras tech-
prefix 2# codec g711ulaw dtmf-relay h245-alphanumeric no
vad !—-- Enable H.323 VoIP Gateway gateway
```

Конфигурация Cisco Unified Communication Manager

Выполните следующие действия:

1. Настройте Сторожевое устройство (Устройство> Сторожевое устройство) на Странице администратора Cisco Unified Communication Manager.
2. Настройте Сторожевое устройство H.225 Управляемый Транк (Устройство → Транк) на Странице администратора Cisco Unified Communications Manager с Названием Сторожевого устройства, Типом "терминал", Технологическим префиксом и Зональными параметрами.
3. Настройте Шаблон маршрута для маршрутизации вызовов к 4085252000 через Транк H.225, настроенный в Шаге 2. Обратите внимание на то, что **Префиксные Цифры (Исходящие вызовы)** поле установлены в **3#**.
4. Настройте Шаблон трансляции для разделения 2# на входящих вызовах через Транк H225.

Проверка

Используйте этот раздел, чтобы подтвердить, что ваша конфигурация работает должным образом.

Средство Output Interpreter (OIT) (только для зарегистрированных клиентов) поддерживает определенные команды show. **Посредством OIT можно анализировать выходные данные команд show.**

Шлюз

Используйте этот раздел, чтобы подтвердить, что ваша конфигурация работает должным

образом над Сторожевым устройством Cisco IOS.

Эти команды показа сторожевого устройства были собраны после включения **gatekeeper main отладки 10**:

- **Show gatekeeper endpointsСторожевое устройство 1**

```
GATEKEEPER ENDPOINT REGISTRATION
                    ================================
CallSignalAddr  Port  RASSignalAddr   Port  Zone Name    Type    Flags
--------------- ----- --------------- ----- ---------    ----    -----
14.50.201.17 1720 14.50.201.17 62820 CCM-CUBE H323-GW ENDPOINT-ID: 83D872B800000001 VERSION:
4 AGE: 24 secs SupportsAnnexE: FALSE g_supp_prots: 0x00000050 H323-ID: CUBE-1 Voice Capacity
Max.= Avail.= Current.= 2 14.50.201.81 39284 14.50.201.81 33580 CCM VOIP-GW ENDPOINT-ID:
849D11EC00000002 VERSION: 5 AGE: 8 secs SupportsAnnexE: FALSE g_supp_prots: 0x00000050 H323-
ID: CCM-GK-Trunk_1 Voice Capacity Max.= Avail.= Current.= 1 Total number of active
registrations = 2
```

Сторожевое устройство 2

```
GATEKEEPER ENDPOINT REGISTRATION
                    ================================
CallSignalAddr  Port  RASSignalAddr   Port  Zone Name   Type    Flags
--------------- ----- --------------- ----- ---------   ----    -----
14.1.123.95 1720 14.1.123.95 64422 CME-CUBE H323-GW ENDPOINT-ID: 8591ED9400000001 VERSION: 4
AGE: 10 secs SupportsAnnexE: FALSE g_supp_prots: 0x00000050 H323-ID: CUBE-2 Voice Capacity
Max.= Avail.= Current.= 2 14.1.125.125 1720 14.1.125.125 56689 CME VOIP-GW ENDPOINT-ID:
860100E800000002 VERSION: 4 AGE: 6 secs SupportsAnnexE: FALSE g_supp_prots: 0x00000050 H323-
ID: CME-1 Voice Capacity Max.= Avail.= Current.= 1 Total number of active registrations = 2
```

- **Show gatekeeper gw-type-prefixСторожевое устройство 1**

```
GATEWAY TYPE PREFIX TABLE
=========================
Prefix: 3#* (Hopoff zone CME-CUBE) Prefix: 2#* Zone CCM master gateway list:
14.50.201.81:39284 CCM-GK-Trunk_1 Zone CCM-CUBE master gateway list: 14.50.201.17:1720 CUBE-
1
```

Сторожевое устройство 2

```
GATEWAY TYPE PREFIX TABLE
=========================
Prefix: 2#* (Hopoff zone CCM-CUBE) Prefix: 3#* Zone CME master gateway list:
14.1.125.125:1720 CME-1 Zone CME-CUBE master gateway list: 14.1.123.95:1720 CUBE-2
```

- **Show gatekeeper callsСторожевое устройство 1**

```
Total number of active calls = 2.

largest hash bucket = 2
                              GATEKEEPER CALL INFO
                              ====================
LocalCallID                       Age(secs)   BW
7-196               760           26          832(Kbps)
ConferenceID                        CallID                                SrcCRV
006E38C4 3570518C 03000301 0E32CA1F  006E38C4 3570518C 03000301 0E32CA1F  3
 Endpt(s): Alias E.164Addr src EP: CCM-GK-Trunk_1 9193922000 CallSignalAddr Port
RASSignalAddr Port 14.50.201.81 39284 14.50.201.81 33580 Endpt(s): Alias E.164Addr dst EP:
CUBE-1 3#4085252000 CallSignalAddr Port RASSignalAddr Port 14.50.201.17 1720 14.50.201.17
62820 callstate: SEP, DEP, LocalCallID Age(secs) BW 8-196 760 25 832(Kbps) ConferenceID
CallID SrcCRV 006E38C4 3570518C 03000301 0E32CA1F 006E38C4 3570518C 03000301 0E32CA1F 8
Endpt(s): Alias E.164Addr src EP: CUBE-1 9193922000 CallSignalAddr Port RASSignalAddr Port
14.50.201.17 1720 14.50.201.17 62820 Endpt(s): Alias E.164Addr dst EP: 3#4085252000
CallSignalAddr Port RASSignalAddr Port 14.1.123.95 1720 14.1.123.95 1720 callstate: SEP,
```

Сторожевое устройство 2

```
Total number of active calls = 2.

largest hash bucket = 2
                              GATEKEEPER CALL INFO
                              ====================
LocalCallID                       Age(secs)   BW
15-196              760           41          832(Kbps)
ConferenceID                        CallID                                SrcCRV
006E38C4 3570518C 03000301 0E32CA1F  006E38C4 3570518C 03000301 0E32CA1F  0
Endpt(s): Alias E.164Addr src EP: CUBE-1 9193922000 Endpt(s): Alias E.164Addr dst EP: CUBE-2
3#4085252000 CallSignalAddr Port RASSignalAddr Port 14.1.123.95 1720 14.1.123.95 64422
callstate: DEP, LocalCallID Age(secs) BW 16-196 760 41 832(Kbps) ConferenceID CallID SrcCRV
```

006E38C4 3570518C 03000301 0E32CA1F 006E38C4 3570518C 03000301 0E32CA1F 16 **Endpt(s): Alias E.164Addr src EP: CUBE-2 9193922000** CallSignalAddr Port RASSignalAddr Port 14.1.123.95 1720 14.1.123.95 64422 **Endpt(s): Alias E.164Addr dst EP: CME-1 3#4085252000** CallSignalAddr Port RASSignalAddr Port 14.1.125.125 1720 14.1.125.125 56689 callstate: SEP, DEP,

CUBE

Используйте этот раздел, чтобы подтвердить, что ваша конфигурация работает должным образом над CUBE.

- **Show gatewayКуб 1**H.323 ITU-T Version: 4.0 H323 Stack Version: 0.1

  H.323 service is up
  Gateway CUBE-1 is registered to Gatekeeper CCM-CUBE Alias list (CLI configured) H323-ID CUBE-1 Alias list (last RCF) H323-ID CUBE-1 **Куб 2**H.323 ITU-T Version: 4.0 H323 Stack Version: 0.1

  H.323 service is up
  Gateway CUBE-2 is registered to Gatekeeper CME-CUBE Alias list (CLI configured) H323-ID CUBE-2 Alias list (last RCF) H323-ID CUBE-2
- **Краткое описание show call active videoКуб 1**148C : 2153 192864460ms.1 +6560 pid:919 Answer 9193922000 active
  dur 00:00:23 tx:1714/557033 rx:1704/360129
  IP **14.50.201.81:5445** SRTP: off rtt:0ms pl:0/0ms lost:0/0/0 delay:0/0/0ms g711ulaw TextRelay: off media inactive detected:n media contrl rcvd:n/a timestamp:n/a long duration call detected:n long duration call duration:n/a timestamp:n/a 148C : 2154 192864490ms.1 +6390 pid:408 Originate 3#4085252000 active dur 00:00:23 tx:1704/360129 rx:1714/557033 IP **14.1.123.95:17180** SRTP: off rtt:0ms pl:0/0ms lost:0/0/0 delay:0/0/0ms g711ulaw TextRelay: off media inactive detected:n media contrl rcvd:n/a timestamp:n/a long duration call detected:n long duration call duration:n/a timestamp:n/a Telephony call-legs: 0 SIP call-legs: 0 H323 call-legs: 2 Call agent controlled call-legs: 0 SCCP call-legs: 0 Multicast call-legs: 0 Media call-legs: 0 Total call-legs: 2 **Куб 2**148C : 23 192861220ms.1 +5840 pid:919 Answer 9193922000 active
  dur 00:00:38 tx:2845/922239 rx:2824/571918
  IP **14.50.201.17:19332** SRTP: off rtt:0ms pl:0/0ms lost:0/0/0 delay:0/0/0ms g711ulaw TextRelay: off media inactive detected:n media contrl rcvd:n/a timestamp:n/a long duration call detected:n long duration call duration:n/a timestamp:n/a 148C : 24 192861250ms.1 +5640 pid:408 Originate 3#4085252000 active dur 00:00:39 tx:2825/572078 rx:2846/922898 IP **14.1.125.125:17224** SRTP: off rtt:0ms pl:0/0ms lost:0/0/0 delay:0/0/0ms g711ulaw TextRelay: off media inactive detected:n media contrl rcvd:n/a timestamp:n/a long duration call detected:n long duration call duration:n/a timestamp:n/a Telephony call-legs: 0 SIP call-legs: 0 H323 call-legs: 2 Call agent controlled call-legs: 0 SCCP call-legs: 0 Multicast call-legs: 0 Media call-legs: 0 Total call-legs: 2
- **Show voip rtp connectionsКуб 1**VoIP RTP active connections :
  No. CallId dstCallId LocalRTP RmtRTP LocalIP RemoteIP
  1 2153 2154 17782 **18956** 14.50.201.17 **14.50.202.31** 2 2154 2153 16418 **19496** 14.50.201.17 **14.1.123.95** 3 2155 2156 16564 **5445** 14.50.201.17 **14.50.201.44** 4 2156 2155 19332 **17180** 14.50.201.17 **14.1.123.95** Found 4 active RTP connections **Куб 2**VoIP RTP active connections :
  No. CallId dstCallId LocalRTP RmtRTP LocalIP RemoteIP
  1 23 24 19496 **16418** 14.1.123.95 **14.50.201.17** 2 24 23 16772 **16904** 14.1.123.95 **14.1.125.125** 3 25 26 17180 **19332** 14.1.123.95 **14.50.201.17** 4 26 25 17338 **17224** 14.1.123.95 **14.1.125.125** Found 4 active RTP connections

Устранение неполадок

Используйте этот раздел для устранения неполадок своей конфигурации.

Команды "debug"

Настройте шлюз Cisco IOS, чтобы регистрировать отладки в его буфере журнала и отключить **консоль регистрации**.

Примечание: Прежде чем выполнять какие-либо команды отладки , ознакомьтесь с документом "Важные сведения о командах отладки".

Примечание: Покажите и Команды отладки для типичных проблем доступны в Мультисервисном голосовой инструменте просмотра отладки.

Это команды, используемые для настройки шлюза для хранения отладок в буфере журнала шлюза:

- **service timestamps debug datetime msec**
- **service sequence**
- **no logging console**
- **logging buffered 5000000 debug**
- **clear log**

Отладки CUBE

- **debug voip ccapi inout**
- **debug ras**
- **debug h225 asn1**
- **debug h245 asn1**
- **debug cch323 h225**
- **debug cch323 h245**
- **debug voip ipipgw**

Отладки сторожевого устройства

- **debug ras**
- **debug gatekeeper main 10**
- **сторожевое устройство отладки звонит 10**
- **зона сторожевого устройства отладки 10**

Пример потока вызова

В данном разделе описывается поток вызовов, получаемый в результате применения конфигурации в данном примере.

1. IP-телефон (919-392-2000) звонит к IP-телефону (408-525-2000)
2. Префиксы Cisco Unified Communication Manager 3# к вызванному номеру и отправляют запрос ARQ к Сторожевому устройству в Узле 1
3. Сторожевое устройство 1 определяет это, вызов является входящим от зоны CCM и проверяет, существует ли настроенная зона invia
4. Сторожевое устройство 1 определяет CUBE CCM как зону invia для зоны CCM и пытается найти шлюз IP-IP в зоне CUBE CCM
5. Сторожевое устройство 1 находит локальный шлюз IP-IP (CUBE 1) и передает IP-адрес

шлюза (14.50.201.17) в ответе ACF
6. Cisco Unified Communication Manager передает сообщение SETUP H225 к CUBE 1
7. CUBE 1 отправляет запрос ARQ с “answerCall”, установленным в True к Сторожевому устройству 1
8. Сторожевое устройство 1 передает ответ ACF на CUBE 1
9. CUBE 1 тогда совпадает с входящим одноранговым телефонным соединением 919 и исходящая адресуемая точка вызова 408 и отправляет запрос ARQ для 3#4085252000 к Сторожевому устройству 1
10. CUBE 1 передает сообщение Обработки вызова H225 к Cisco Unified Communication Manager
11. Как нет никаких зон invia, настроенных для зоны CUBE CCM, Сторожевое устройство 1 выполняет обычную обработку ARQ. Это находит 3# tech-prefix в назначенном номере
12. 3# настроен как префикс hopoff для удаленного зонального CUBE CME. Следовательно, Сторожевое устройство 1 передает LRQ (Запрос местонахождения) к Сторожевому устройству 2
13. Сторожевое устройство 2 получает LRQ и определяет тот LRQ, от удаленного зонального CUBE CCM. Это проверяет, существует ли зона invia, настроенная для удаленного зонального CUBE CCM
14. Сторожевое устройство 2 определяет CUBE CME как зону invia для зоны CUBE CCM и пытается найти шлюз IP-IP в CUBE CME
15. Сторожевое устройство 2 находит локальный шлюз IP-IP (CUBE 2) и передает IP-адрес шлюза (14.1.123.95) в ответе LCF
16. Сторожевое устройство 1 получает ответ LCF и передает ответ ACF с IP-адресом CUBE 2 к CUBE 1
17. CUBE 1 передает сообщение SETUP H225 к CUBE 2
18. CUBE 2 отправляет запрос ARQ с “answerCall”, установленным в True к Сторожевому устройству 2
19. Сторожевое устройство 2 передает ответ ACF на CUBE 2
20. CUBE 2 тогда совпадает с входящим одноранговым телефонным соединением 919 и исходящая адресуемая точка вызова 408 и отправляет запрос ARQ для 3#4085252000 к Сторожевому устройству 2
21. CUBE 2 передает сообщение Обработки вызова H225 к CUBE 1
22. Поскольку нет никаких зон invia, настроенных для зоны CUBE CCM, Сторожевое устройство 2 выполняет обычную обработку ARQ. Это находит 3# технический префикс в назначенном номере
23. Сторожевое устройство 2 использования оставшиеся разряды (4085252000) для обнаружения соответствия префикса зоны. Это решает, что зона CME может обработать эти 408 префиксов и пытается найти шлюз, который зарегистрирован в зоне CME с tech-prefix 3#
24. Сторожевое устройство 2 выбирает CME как шлюз назначения и передает его IP-адрес (14.1.103.74) в ответе ACF
25. CUBE 2 получает ответ ACF и передает сообщение SETUP H225 к CME
26. Сторожевое устройство получает запрос ARQ с “answerCall”, установленным в True от CME, и передает ответ ACF
27. CUBE 2 получает Обработку вызова H225, Предупреждая и сообщения Подключения от CME, которые тогда передают полностью назад к Cisco Unified Communications Manager

28. Согласование H.245 имеет место. Установлены аудио и видео потоки RTP
29. 4085252000 зависает вызов. CUBE 2 получает H225, завершенный Выпуском от CME
30. После получения / передача завершенного Выпуском, CCM, CUBE 1, CUBE 2 и CME передает Запрос на освобождение канала (DRQ) к их соответствующим Сторожевым устройствам
31. CUBE 2 передает завершенный Выпуском к CUBE 1, который тогда передает соответствующее Сообщение о выполнении выпуска к Cisco Unified Communications Manager и разъединениям вызова

Отладка результатов

Этот раздел предоставляет выходные данные отладки для потока вызовов, обсужденного в этом разделе.

Нажмите эти гиперссылки для завершенных выходных данных отладки:

- GK-CUBE-1
- GK-CUBE-2
- CME 1

Шаг 1

IP-телефон (919-392-2000) звонит к IP-телефону (408-525-2000).

Шаг 2

Префиксы Cisco Unified Communication Manager 3# к вызванному номеру и отправляют запрос ARQ к Сторожевому устройству в Узле 1.

```
(GK-CUBE-1.txt)

008874: *Jul 24 06:49:52.584: RAS INCOMING PDU ::=

value RasMessage ::= admissionRequest : { requestSeqNum 72 callType pointToPoint : NULL
endpointIdentifier {"849D11EC00000002"} destinationInfo { dialedDigits : "3#4085252000" }
srcInfo { dialedDigits : "9193922000" } srcCallSignalAddress ipAddress : { ip '0E32C951'H port
39284 } bandWidth 7680 callReferenceValue 3 conferenceID '006E38C43570518C030003010E32CA1F'H
activeMC FALSE answerCall FALSE canMapAlias TRUE callIdentifier { guid
'006E38C43570518C030003010E32CA1F'H } gatekeeperIdentifier {"CCM"} willSupplyUUIEs FALSE }
```

Шаг 3

Сторожевое устройство 1 определяет это, вызов является входящим от зоны CCM и проверяет, существует ли настроенная зона invia.

```
(GK-CUBE-1.txt)

008882: *Jul 24 06:49:52.600: //006E38C40300/006E38C40300/GK/rassrv_get_addrinfo:
   (3#4085252000) Matched tech-prefix 3#
008883: *Jul 24 06:49:52.600: //xxxxxxxxxxxx/xxxxxxxxxxxx/GK/gk_rassrv_get_ingress_network:
   returning default ingress network = 1
008884: *Jul 24 06:49:52.600: //006E38C40300/006E38C40300/GK/rassrv_arq_select_viazone:
   about to check the source side, src_zonep=0x8528AAE8
008885: *Jul 24 06:49:52.600: //006E38C40300/006E38C40300/GK/rassrv_arq_select_viazone:
```

matched zone is CCM, and z_invianamelen=8

Шаг 4.

Сторожевое устройство 1 определяет CUBE CCM как зону invia для зоны CCM и пытается найти шлюз IP-IP в зоне CUBE CCM.

```
(GK-CUBE-1.txt)

008886: *Jul 24 06:49:52.600: //006E38C40300/006E38C40300/GK/rassrv_arq_select_viazone
    and z_invianamep=CCM-CUBE 008887: *Jul 24 06:49:52.600: zone_gkid_search_cluster: searching
for gkid CCM-CUBE 008888: *Jul 24 06:49:52.600: zone_gkid_search_cluster: searching local
cluster for CCM-CUBE, z_gknamep: CCM z_flags: 0x3000017 008889: *Jul 24 06:49:52.600:
//006E38C40300/006E38C40300/GK/rassrv_arq_select_viazone(CCM): Terminating inbound call at the
IPIPGW in zone CCM-CUBE
```

Шаг 5.

Сторожевое устройство 1 находит локальный шлюз IP-IP (CUBE 1) и передает IP-адрес шлюза (14.50.201.17) в ответе ACF.

```
(GK-CUBE-1.txt)

008895: *Jul 24 06:49:52.604:
    //xxxxxxxxxxx/xxxxxxxxxxx/GK/gk_gw_select_ipipgw_random: Found an IPIPGW. tgwp:
0x84EA170C, endptsigIP: 14.50.201.17, endptrasIP: 14.50.201.17, zone: CCM-CUBE 008896: *Jul 24
06:49:52.604: //xxxxxxxxxxx/xxxxxxxxxxx/GK/gk_gw_select_ipipgw_random: Selected an IPIPGW.
008897: *Jul 24 06:49:52.604: //006E38C40300/006E38C40300/GK/rassrv_get_addrinfo: (3#4085252000)
successfully resolved IPIPGW and returning with return code 0 008898: *Jul 24 06:49:52.608: H225
NONSTD OUTGOING PDU ::= value ACFnonStandardInfo ::= { srcTerminalAlias { e164 : "9193922000" }
dstTerminalAlias { e164 : "3#4085252000" } } 008899: *Jul 24 06:49:52.608: H225 NONSTD OUTGOING
ENCODE BUFFER::= 00010480C4C6C553330105806073B8585333 008900: *Jul 24 06:49:52.608: 008901: *Jul
24 06:49:52.608: RAS OUTGOING PDU ::= value RasMessage ::= admissionConfirm : { requestSeqNum 72
bandWidth 7680 callModel direct : NULL destCallSignalAddress ipAddress : { ip '0E32C911'H port
1720 } irrFrequency 240 nonStandardData { nonStandardIdentifier h221NonStandard : {
t35CountryCode 181 t35Extension 0 manufacturerCode 18 } data
'00010480C4C6C553330105806073B8585333'H } willRespondToIRR FALSE uuiesRequested { setup FALSE
callProceeding FALSE connect FALSE alerting FALSE information FALSE releaseComplete FALSE
facility FALSE progress FALSE empty FALSE } }
```

Шаг 6

Cisco Unified Communication Manager передает сообщение SETUP H225 к CUBE 1.

```
(GK-CUBE-1.txt)

008913: *Jul 24 06:49:52.636: H225.0 INCOMING PDU ::=

value H323_UserInformation ::=
    {
      h323-uu-pdu
      {
        h323-message-body setup : { protocolIdentifier { 0 0 8 2250 0 5 } sourceAddress {
dialedDigits : "9193922000", h323-ID : {"9193922000..."} } sourceInfo { vendor { vendor {
t35CountryCode 181 t35Extension 0 manufacturerCode 18 } productId
'436973636F43616C6C4D616E61676572'H versionId '31'H } terminal { } mc FALSE undefinedNode FALSE
} destinationAddress { dialedDigits : "3#4085252000" } activeMC FALSE conferenceID
'006E38C43570518C030003010E32CA1F'H conferenceGoal create : NULL callType pointToPoint : NULL
sourceCallSignalAddress ipAddress : { ip '0E32C951'H port 39284 } callIdentifier { guid
'006E38C43570518C030003010E32CA1F'H } mediaWaitForConnect FALSE canOverlapSend FALSE
multipleCalls FALSE maintainConnection FALSE } h245Tunneling FALSE nonStandardControl { {
```

```
nonStandardIdentifier h221NonStandard : { t35CountryCode 181 t35Extension 0 manufacturerCode 18
} data '8144000400010300'H } } } } 008917: *Jul 24 06:49:52.664: //-
1/xxxxxxxxxxxx/H323/cch323_h225_receiver: Received msg of type SETUPIND_CHOSEN 008918: *Jul 24
06:49:52.664: //-1/xxxxxxxxxxxx/H323/setup_ind: Entry 008919: *Jul 24 06:49:52.664:
//2153/006E38C40300/H323/setup_ind: callingNumber[9193922000] calledNumber[3#4085252000] 008920:
*Jul 24 06:49:52.664: //2153/006E38C40300/H323/setup_ind: ---- calling IE present 008921: *Jul
24 06:49:52.664: //2153/006E38C40300/H323/setup_ind: ====== PI = 0 008922: *Jul 24 06:49:52.664:
//2153/006E38C40300/H323/setup_ind: Receive: infoXCap 8 008923: *Jul 24 06:49:52.664:
//2153/006E38C40300/H323/setup_ind: Receive: infoXCap ccb 8 008924: *Jul 24 06:49:52.664:
//2153/006E38C40300/H323/setup_ind: Receive bearer cap infoXRate 24, rateMult 6 008925: *Jul 24
06:49:52.668: //2153/006E38C40300/H323/setup_ind: setup_ind: is_overlap = 0, info_complete = 0
```

Шаг 7

CUBE 1 отправляет запрос ARQ с “answerCall”, установленным в True к Сторожевому устройству 1.

```
(GK-CUBE-1.txt)

008932: *Jul 24 06:49:52.672: H225 NONSTD OUTGOING ENCODE BUFFER::= 80000010800181
008933: *Jul 24 06:49:52.672:
008934: *Jul 24 06:49:52.676: RAS OUTGOING PDU ::=

value RasMessage ::= admissionRequest : { requestSeqNum 4099 callType pointToPoint : NULL
callModel direct : NULL endpointIdentifier {"83D872B800000001"} destinationInfo { dialedDigits :
"3#4085252000" } srcInfo { dialedDigits : "9193922000", dialedDigits : "9193922000", h323-ID :
{"9193922000..."} } srcCallSignalAddress ipAddress : { ip '0E32C951'H port 39284 } bandWidth
7680 callReferenceValue 7 nonStandardData { nonStandardIdentifier h221NonStandard : {
t35CountryCode 181 t35Extension 0 manufacturerCode 18 } data '80000010800181'H } conferenceID
'006E38C43570518C030003010E32CA1F'H activeMC FALSE answerCall TRUE canMapAlias TRUE
callIdentifier { guid '006E38C43570518C030003010E32CA1F'H } willSupplyUUIEs FALSE }
```

Шаг 8

Сторожевое устройство 1 передает ответ ACF на CUBE 1.

```
(GK-CUBE-1.txt)

008950: *Jul 24 06:49:52.724: H225 NONSTD OUTGOING ENCODE BUFFER::= 40
008951: *Jul 24 06:49:52.724:
008952: *Jul 24 06:49:52.724: RAS OUTGOING PDU ::=

value RasMessage ::= admissionConfirm : { requestSeqNum 4099 bandWidth 7680 callModel direct :
NULL destCallSignalAddress ipAddress : { ip '0E32C911'H port 1720 } irrFrequency 240
willRespondToIRR FALSE uuiesRequested { setup FALSE callProceeding FALSE connect FALSE alerting
FALSE information FALSE releaseComplete FALSE facility FALSE progress FALSE empty FALSE }
usageSpec { { when { end NULL inIrr NULL } callStartingPoint { connect NULL } required {
nonStandardUsageTypes { { nonStandardIdentifier h221NonStandard : { t35CountryCode 181
t35Extension 0 manufacturerCode 18 } data '40'H } } startTime NULL endTime NULL terminationCause
NULL } } } }
```

Шаг 9

CUBE 1 тогда совпадает с входящим одноранговым телефонным соединением 919 и исходящая адресуемая точка вызова 408 и отправляет запрос ARQ для 3#4085252000 к Сторожевому устройству 1.

```
(GK-CUBE-1.txt)

008974: *Jul 24 06:49:52.772: //-1/006E38C40300/CCAPI/cc_api_call_setup_ind_common:
   Interface=0x857AB698, Call Info(
```

```
   Calling Number=9193922000,(Calling Name=)(TON=Unknown, NPI=Unknown,
      Screening=User, Passed, Presentation=Allowed),
   Called Number=3#4085252000(TON=Unknown, NPI=Unknown),
   Calling Translated=FALSE, Subscriber Type Str=Unknown, FinalDestinationFlag=TRUE,
   Incoming Dial-peer=919, Progress Indication=NULL(0), Calling IE Present=TRUE, Source Trkgrp
Route Label=, Target Trkgrp Route Label=, CLID Transparent=FALSE), Call Id=2153 008995: *Jul 24
06:49:52.797: //2153/006E38C40300/CCAPI/ccIFCallSetupRequestPrivate: Interface=0x857AB698,
Interface Type=1, Destination=, Mode=0x0, Call Params(Calling Number=9193922000,(Calling
Name=)(TON=Unknown, NPI=Unknown, Screening=User, Passed, Presentation=Allowed), Called
Number=3#4085252000(TON=Unknown, NPI=Unknown), Calling Translated=FALSE, Subscriber Type
Str=Unknown, FinalDestinationFlag=TRUE, Outgoing Dial-peer=408, Call Count On=FALSE, Source
Trkgrp Route Label=, Target Trkgrp Route Label=, tg_label_flag=0, Application Call Id=) 009019:
*Jul 24 06:49:52.813: H225 NONSTD OUTGOING PDU ::= value ARQnonStandardInfo ::= { sourceAlias {
} sourceExtAlias { } callingOctet3a 129 gtd '49414D2C0D0A4745412C747273332C30302C312C...'H
ingressNetwork h323 : NULL } 009020: *Jul 24 06:49:52.813: H225 NONSTD OUTGOING ENCODE BUFFER::=
800000108901812A002749414D2C0D0A4745412C747273332C30302C312C792
C792C312C393139333932323030300D0A0D0A0120 009021: *Jul 24 06:49:52.817: 009022: *Jul 24
06:49:52.817: RAS OUTGOING PDU ::= value RasMessage ::= admissionRequest : { requestSeqNum 4100
callType pointToPoint : NULL callModel direct : NULL endpointIdentifier {"83D872B800000001"}
destinationInfo { dialedDigits : "3#4085252000" } srcInfo { dialedDigits : "9193922000", h323-ID
: {"CUBE-1"} } bandWidth 7680 callReferenceValue 8 nonStandardData { nonStandardIdentifier
h221NonStandard : { t35CountryCode 181 t35Extension 0 manufacturerCode 18 } data
'800000108901812A002749414D2C0D0A4745412C...'H } conferenceID
'006E38C43570518C030003010E32CA1F'H activeMC FALSE answerCall FALSE canMapAlias TRUE
callIdentifier { guid '006E38C43570518C030003010E32CA1F'H } willSupplyUUIEs FALSE }
```

Шаг 10

CUBE 1 передает сообщение Обработки вызова H225 к Cisco Unified Communication Manager.

```
009029: *Jul 24 06:49:52.833: //2153/006E38C40300/H323/run_h225_sm:
    Received event H225_EV_CALLPROC while at state H225_SETUP
009030: *Jul 24 06:49:52.833: //2153/006E38C40300/H323/cch323_h225_set_new_state:
    Changing from H225_SETUP state to H225_CALLPROC state
009031: *Jul 24 06:49:52.833: //2153/006E38C40300/H323/generic_send_callproc:
    ====== PI = 0
009032: *Jul 24 06:49:52.837: H225.0 OUTGOING PDU ::=

value H323_UserInformation ::=
    {
      h323-uu-pdu
      {
        h323-message-body callProceeding : { protocolIdentifier { 0 0 8 2250 0 4 }
destinationInfo { vendor { vendor { t35CountryCode 181 t35Extension 0 manufacturerCode 18 }
productId '436973636F47617465776179'H versionId '32'H } gateway { protocol { voice : {
supportedPrefixes { { prefix dialedDigits : "2#" } } }, h323 : { supportedPrefixes { } } } } mc
FALSE undefinedNode FALSE } callIdentifier { guid '006E38C43570518C030003010E32CA1F'H }
multipleCalls FALSE maintainConnection FALSE } h245Tunneling FALSE } }
```

Шаг 11

Как нет никаких зон invia, настроенных для зоны CUBE CCM, Сторожевое устройство 1 выполняет обычную обработку ARQ. Это находит 3# tech-prefix в назначенном номере.

```
(GK-CUBE-1.txt)

009050: *Jul 24 06:49:52.881: //006E38C40300/006E38C40300/GK/rassrv_get_addrinfo:
    (3#4085252000) Matched tech-prefix 3# 009051: *Jul 24 06:49:52.881:
//xxxxxxxxxxxx/xxxxxxxxxxxx/GK/gk_rassrv_get_ingress_network: ARQ non-std ingress network = 2
```

Шаг 12

3# настроен как префикс hopoff для удаленного зонального CUBE CME. Следовательно, Сторожевое устройство 1 передает LRQ (Запрос местонахождения) к Сторожевому устройству 2.

```
(GK-CUBE-1.txt)

009053: *Jul 24 06:49:52.881:
    //006E38C40300/006E38C40300/GK/rassrv_arq_select_viazone:
    matched zone is CME-CUBE, and z_outvianamelen=8 009054: *Jul 24 06:49:52.881:
//006E38C40300/006E38C40300/GK/rassrv_arq_select_viazone and z_outvianamep=CCM-CUBE 009055: *Jul
24 06:49:52.885: zone_gkid_search_cluster: searching for gkid CCM-CUBE 009056: *Jul 24
06:49:52.885: zone_gkid_search_cluster: searching local cluster for CCM-CUBE, z_gknamep: CCM
z_flags: 0x3000017 009057: *Jul 24 06:49:52.885:
//006E38C40300/006E38C40300/GK/rassrv_arq_select_viazone: Received ARQ for a zone (CME-CUBE)
that has an outviazone (CCM-CUBE) specified, but I am that viazone. Continue normal ARQ
processing 009061: *Jul 24 06:49:52.885: H225 NONSTD OUTGOING PDU ::= value LRQnonStandardInfo
::= { ttl 6 nonstd-callIdentifier { guid '006E38C43570518C030003010E32CA1F'H } callingOctet3a
129 gatewaySrcInfo { e164 : "9193922000", h323-ID : {"CUBE-1"} } gtd
'49414D2C0D0A4745412C747273332C30302C312C...'H } 009062: *Jul 24 06:49:52.889: H225 NONSTD
OUTGOING ENCODE BUFFER::= 8289B100110000
6E38C43570518C030003010E32CA1F018116020480C4C6C553334005004300550042004500 2D00
312A002749414D2C0D0A4745412C747273332C30302C312C792C792C312C393139333932323030 300D0A0D0A
009063: *Jul 24 06:49:52.893: 009064: *Jul 24 06:49:52.893: RAS OUTGOING PDU ::= value
RasMessage ::= locationRequest : { requestSeqNum 2051 destinationInfo { dialedDigits :
"3#4085252000" } nonStandardData { nonStandardIdentifier h221NonStandard : { t35CountryCode 181
t35Extension 0 manufacturerCode 18 } data '8289B1001100006E38C43570518C030003010E32...'H }
replyAddress ipAddress : { ip '0E32C911'H port 1719 } sourceInfo { h323-ID : {"CCM-CUBE"} }
canMapAlias TRUE hopCount 6 }
```

Шаг 13

Сторожевое устройство 2 получает LRQ и определяет тот LRQ, от удаленного зонального CUBE CCM. Это проверяет, существует ли зона invia, настроенная для удаленного зонального CUBE CCM.

```
(GK-CUBE-2.txt)

026307: *Sep 24 12:43:19.182: //xxxxxxxxxxxx/xxxxxxxxxxxx/GK/gk_rassrv_lrq:
    checking the source of the LRQ. source_endptp=0x0 026308: *Sep 24 12:43:19.182:
//xxxxxxxxxxxx/xxxxxxxxxxxx/GK/gk_rassrv_lrq: srcvia found gkname of source zone. looking up
CCM-CUBE in zone list 026309: *Sep 24 12:43:19.182: zone_gkid_search_cluster: searching for gkid
CCM-CUBE 026310: *Sep 24 12:43:19.182: //xxxxxxxxxxxx/xxxxxxxxxxxx/GK/gk_rassrv_lrq: about to
check the source side, src_zonep=0x86006BF0 026311: *Sep 24 12:43:19.182:
//xxxxxxxxxxxx/xxxxxxxxxxxx/GK/gk_rassrv_lrq: matched zone is CCM-CUBE
```

Шаг 14

Сторожевое устройство 2 определяет CUBE CME как зону invia для зоны CUBE CCM и пытается найти шлюз IP-IP в CUBE CME.

```
(GK-CUBE-2.txt)

026312: *Sep 24 12:43:19.182: //xxxxxxxxxxxx/xxxxxxxxxxxx/GK/gk_rassrv_lrq
    and z_invianamelen=8
026313: *Sep 24 12:43:19.182: //xxxxxxxxxxxx/xxxxxxxxxxxx/GK/gk_rassrv_lrq
    and z_invianamep=CME-CUBE 026314: *Sep 24 12:43:19.182: zone_gkid_search_cluster: searching
for gkid CME-CUBE 026315: *Sep 24 12:43:19.186: zone_gkid_search_cluster: searching local
cluster for CME-CUBE, z_gknamep: CME z_flags: 0x3000017 026316: *Sep 24 12:43:19.186:
//xxxxxxxxxxxx/xxxxxxxxxxxx/GK/gk_rassrv_lrq(CCM-CUBE): Terminating inbound call at the IPIPGW
in zone CME-CUBE 026317: *Sep 24 12:43:19.186:
//xxxxxxxxxxxx/xxxxxxxxxxxx/GK/gk_gw_select_ipipgw_random: zonep: 0x86006984, tpp: 0x854C57CC,
```

```
current_endpt: 1 026318: *Sep 24 12:43:19.186:
//xxxxxxxxxxx/xxxxxxxxxxx/GK/gk_gw_select_ipipgw_random: Selecting IPIPGW based on tech
prefix. qelemp.head=0x8606CA90, use_count=1, current_endpt=1
```

Шаг 15

Сторожевое устройство 2 находит локальный шлюз IP-IP (CUBE 2) и передает IP-адрес шлюза (14.1.123.95) в ответе LCF.

```
(GK-CUBE-2.txt)

026322: *Sep 24 12:43:19.186:
    //xxxxxxxxxxx/xxxxxxxxxxx/GK/gk_gw_select_ipipgw_random:
    Found an IPIPGW. tgwp: 0x84F7A7B4, endptsigIP: 14.1.123.95, endptrasIP: 14.1.123.95, zone:
CME-CUBE 026323: *Sep 24 12:43:19.186:
//xxxxxxxxxxx/xxxxxxxxxxx/GK/gk_gw_select_ipipgw_random: Selected an IPIPGW. 026324: *Sep 24
12:43:19.190: //xxxxxxxxxxx/xxxxxxxxxxx/GK/gk_zone_get_proxy_usage: local zone= CME-CUBE,
remote zone= CCM-CUBE, call direction= 0, eptype= 67650 be_entry= 0 026325: *Sep 24
12:43:19.190: //xxxxxxxxxxx/xxxxxxxxxxx/GK/gk_zone_get_proxy_usage: returns proxied = 0
026326: *Sep 24 12:43:19.190: H225 NONSTD OUTGOING PDU ::= value LCFnonStandardInfo ::= {
termAlias { h323-ID : {"CUBE-2"} } gkID {"CME-CUBE"} gateways { { gwType h320-gateway : NULL
gwAlias { h323-ID : {"CUBE-2"} } sigAddress { ip '0E017B5F'H port 1720 } resources { maxDSPs 0
inUseDSPs 0 maxBChannels 0 inUseBChannels 0 activeCalls 0 bandwidth 0 inuseBandwidth 0 } } } gtd
gtdData : '49414D2C0D0A4745412C747273332C30302C312C...'H } 026327: *Sep 24 12:43:19.198: H225
NONSTD OUTGOING ENCODE BUFFER::= 80014005004300
5500420045002D00320E0043004D0045002D00430055004200450100014005004300550042004500 2
D0032000E017B5F06B80000000000000000000004802B00002749414D2C0D0A4745412C747273332C3
0302C312C792C792C312C393139333932323030300D0A0D0A 026328: *Sep 24 12:43:19.202: 026329: *Sep 24
12:43:19.202: RAS OUTGOING PDU ::= value RasMessage ::= locationConfirm : { requestSeqNum 2051
callSignalAddress ipAddress : { ip '0E017B5F'H port 1720 } rasAddress ipAddress : { ip
'0E017B5F'H port 64422 } nonStandardData { nonStandardIdentifier h221NonStandard : {
t35CountryCode 181 t35Extension 0 manufacturerCode 18 } data
'80014005004300550042004500 2D00320E004300...'H } destinationInfo { dialedDigits : "3#4085252000"
} destinationType { gateway { } mc FALSE undefinedNode FALSE } }
```

Шаг 16

Сторожевое устройство 1 получает ответ LCF и передает ответ ACF с IP-адресом CUBE 2 к CUBE 1.

```
(GK-CUBE-1.txt)

009094: *Jul 24 06:49:52.993: H225 NONSTD OUTGOING PDU ::=

value ACFnonStandardInfo ::=
    {
      srcTerminalAlias
      {
        e164 : "9193922000",
        h323-ID : {"CUBE-1"}
      }
      dstTerminalAlias
      {
        e164 : "3#4085252000"
      }
      srcInfo
      {
        e164 : "9193922000",
        h323-ID : {"CUBE-1"}
      }
      gtd gtdData : '49414D2C0D0A4745412C747273332C30302C312C...'H
    }
```

```
009095: *Jul 24 06:49:52.997: H225 NONSTD OUTGOING ENCODE BUFFER::= 80020480C4C6
    C553334005004300550042004500 2D00310105806073B8585333058016020480C4C6C55333400500
    4300550042004500 2D00312B00002749414D2C0D0A4745412C747273332C30302C312C792C792C31
    2C393139333932323030300D0A0D0A
009096: *Jul 24 06:49:53.001:
009097: *Jul 24 06:49:53.001: H225 NONSTD OUTGOING PDU ::=

value RasnonStdUsageTypes ::=
    {
      callModes NULL
    }



009098: *Jul 24 06:49:53.001: H225 NONSTD OUTGOING ENCODE BUFFER::= 40
009099: *Jul 24 06:49:53.001:
009100: *Jul 24 06:49:53.001: RAS OUTGOING PDU ::=

value RasMessage ::= admissionConfirm : { requestSeqNum 4100 bandWidth 7680 callModel direct :
NULL destCallSignalAddress ipAddress : { ip '0E017B5F'H port 1720 } irrFrequency 240
nonStandardData { nonStandardIdentifier h221NonStandard : { t35CountryCode 181 t35Extension 0
manufacturerCode 18 } data '80020480C4C6C553334005004300550042004500...'H } destinationInfo {
dialedDigits : "3#4085252000" } willRespondToIRR FALSE uuiesRequested { setup FALSE
callProceeding FALSE connect FALSE alerting FALSE information FALSE releaseComplete FALSE
facility FALSE progress FALSE empty FALSE } usageSpec { { when { end NULL inIrr NULL }
callStartingPoint { connect NULL } required { nonStandardUsageTypes { { nonStandardIdentifier
h221NonStandard : { t35CountryCode 181 t35Extension 0 manufacturerCode 18 } data '40'H } }
startTime NULL endTime NULL terminationCause NULL } } } }
```

[Шаг 17]

CUBE 1 передает сообщение SETUP H225 к CUBE 2.

```
(GK-CUBE-1.txt)

009141: *Jul 24 06:49:53.089: H225.0 OUTGOING PDU ::=

value H323_UserInformation ::=
    {
      h323-uu-pdu
      {
        h323-message-body setup : { protocolIdentifier { 0 0 8 2250 0 4 } sourceAddress { h323-
ID : {"CUBE-1"} } sourceInfo { vendor { vendor { t35CountryCode 181 t35Extension 0
manufacturerCode 18 } productId '436973636F47617465776179'H versionId '32'H } gateway { protocol
{ voice : { supportedPrefixes { { prefix dialedDigits : "2#" } } }, h323 : { supportedPrefixes {
} } } } mc FALSE undefinedNode FALSE } destinationAddress { dialedDigits : "3#4085252000" }
activeMC FALSE conferenceID '006E38C43570518C030003010E32CA1F'H conferenceGoal create : NULL
callType pointToPoint : NULL sourceCallSignalAddress ipAddress : { ip '0E32C911'H port 40523 }
callIdentifier { guid '006E38C43570518C030003010E32CA1F'H } mediaWaitForConnect FALSE
canOverlapSend FALSE multipleCalls TRUE maintainConnection TRUE } h245Tunneling TRUE
nonStandardControl { { nonStandardIdentifier h221NonStandard : { t35CountryCode 181 t35Extension
0 manufacturerCode 18 } data 'E0011200011C351C339E01000367746400000028...'H } }
tunnelledSignallingMessage { tunnelledProtocolID { id tunnelledProtocolAlternateID : {
protocolType "gtd" } } messageContent { '49414D2C0D0A4745412C747273332C30302C312C...'H } } } }
009142: *Jul 24 06:49:53.125: H225.0 OUTGOING ENCODE BUFFER::= 20B0060008914A
0004014005004300550042004500 2D003128C0B50000120B436973636F4761746577617900324
0023C0504010020502C0501000001058060 73B858533300006E38C43570518C030003010E32CA1
F00CD0D800007000E32C9119E4B1100006E38C43570518C030003010E32CA1F010001000180018
010A801805C0140B500001255E0011200011C351C339E01000367746400000028 49414D2C0D0A4
745412C747273332C30302C312C792C792C312C393139333932323030300D0A0D0A0A500400010
```

```
3001127F8000000000000000000000000000002F020467746401284941 4D2C0D0A4745412C747
273332C30302C312C792C792C312C393139333932323030300D0A0D0A 009143: *Jul 24 06:49:53.129: 009144:
*Jul 24 06:49:53.129: //2154/006E38C40300/H323/cch323_h225_set_new_state: Changing from
H225_IDLE state to H225_SETUP state
```

Шаг 18

CUBE 2 отправляет запрос ARQ с “answerCall”, установленным в True к Сторожевому устройству 2.

```
(GK-CUBE-2.txt)

026357: *Sep 24 12:43:19.442: //23/006E38C40300/H323/cch323_h225_set_new_state: Changing from
H225_IDLE state to H225_WAIT_FOR_ARQ state 026358: *Sep 24 12:43:19.446: H225 NONSTD OUTGOING
PDU ::= value ARQnonStandardInfo ::= { sourceAlias { } sourceExtAlias { } callingOctet3a 129 }
026359: *Sep 24 12:43:19.446: H225 NONSTD OUTGOING ENCODE BUFFER::= 80000010800181 026360: *Sep
24 12:43:19.446: 026361: *Sep 24 12:43:19.446: RAS OUTGOING PDU ::= value RasMessage ::=
admissionRequest : { requestSeqNum 4351 callType pointToPoint : NULL callModel direct : NULL
endpointIdentifier {"8591ED9400000001"} destinationInfo { dialedDigits : "3#4085252000" }
srcInfo { dialedDigits : "9193922000", h323-ID : {"CUBE-1"} } srcCallSignalAddress ipAddress : {
ip '0E32C911'H port 40523 } bandWidth 7680 callReferenceValue 15 nonStandardData {
nonStandardIdentifier h221NonStandard : { t35CountryCode 181 t35Extension 0 manufacturerCode 18
} data '80000010800181'H } conferenceID '006E38C43570518C030003010E32CA1F'H activeMC FALSE
answerCall TRUE canMapAlias TRUE callIdentifier { guid '006E38C43570518C030003010E32CA1F'H }
willSupplyUUIEs FALSE }
```

Шаг 19

Сторожевое устройство 2 передает ответ ACF на CUBE 2.

```
(GK-CUBE-2.txt)

026383: *Sep 24 12:43:19.494: RAS OUTGOING PDU ::=

value RasMessage ::= admissionConfirm : { requestSeqNum 4351 bandWidth 7680 callModel direct :
NULL destCallSignalAddress ipAddress : { ip '0E017B5F'H port 1720 } irrFrequency 240
willRespondToIRR FALSE uuiesRequested { setup FALSE callProceeding FALSE connect FALSE alerting
FALSE information FALSE releaseComplete FALSE facility FALSE progress FALSE empty FALSE }
usageSpec { { when { end NULL inIrr NULL } callStartingPoint { connect NULL } required {
nonStandardUsageTypes { { nonStandardIdentifier h221NonStandard : { t35CountryCode 181
t35Extension 0 manufacturerCode 18 } data '40'H } } startTime NULL endTime NULL terminationCause
NULL } } } }
```

Шаг 20

CUBE 2 тогда совпадает с входящим одноранговым телефонным соединением 919 и исходящая адресуемая точка вызова 408 и отправляет запрос ARQ для 3#4085252000 к Сторожевому устройству 2.

```
(GK-CUBE-2.txt)

026406: *Sep 24 12:43:19.542: //-1/006E38C40300/CCAPI/cc_api_call_setup_ind_common:
   Interface=0x855A8B64, Call Info(
   Calling Number=9193922000,(Calling Name=)(TON=Unknown, NPI=Unknown,
      Screening=User, Passed, Presentation=Allowed),
   Called Number=3#4085252000(TON=Unknown, NPI=Unknown),
   Calling Translated=FALSE, Subscriber Type Str=Unknown,
      FinalDestinationFlag=TRUE,
   Incoming Dial-peer=919, Progress Indication=NULL(0), Calling IE Present=TRUE, Source Trkgrp
Route Label=, Target Trkgrp Route Label=, CLID Transparent=FALSE), Call Id=23 026427: *Sep 24
12:43:19.567: //23/006E38C40300/CCAPI/ccIFCallSetupRequestPrivate: Interface=0x855A8B64,
```

```
Interface Type=1, Destination=, Mode=0x0, Call Params(Calling Number=9193922000,(Calling
Name=)(TON=Unknown, NPI=Unknown, Screening=User, Passed, Presentation=Allowed), Called
Number=3#4085252000(TON=Unknown, NPI=Unknown), Calling Translated=FALSE, Subscriber Type
Str=Unknown, FinalDestinationFlag=TRUE, Outgoing Dial-peer=408, Call Count On=FALSE, Source
Trkgrp Route Label=, Target Trkgrp Route Label=, tg_label_flag=0, Application Call Id=) 026451:
*Sep 24 12:43:19.583: H225 NONSTD OUTGOING PDU ::= value ARQnonStandardInfo ::= { sourceAlias {
} sourceExtAlias { } callingOctet3a 129 gtd '49414D2C0D0A4745412C747273332C30302C312C...'H
ingressNetwork h323 : NULL } 026452: *Sep 24 12:43:19.587: H225 NONSTD OUTGOING ENCODE BUFFER::=
8000001089 01812A002749414D2C0D0A4745412C747273332C30302C312C792C792C312C3931393339323230
30300D0A0D0A0120 026453: *Sep 24 12:43:19.587: 026454: *Sep 24 12:43:19.587: RAS OUTGOING PDU
::= value RasMessage ::= admissionRequest : { requestSeqNum 4352 callType pointToPoint : NULL
callModel direct : NULL endpointIdentifier {"8591ED9400000001"} destinationInfo { dialedDigits :
"3#4085252000" } srcInfo { dialedDigits : "9193922000", h323-ID : {"CUBE-2"} } bandWidth 7680
callReferenceValue 16 nonStandardData { nonStandardIdentifier h221NonStandard : { t35CountryCode
181 t35Extension 0 manufacturerCode 18 } data '800000108901812A002749414D2C0D0A4745412C...'H }
conferenceID '006E38C43570518C030003010E32CA1F'H activeMC FALSE answerCall FALSE canMapAlias
TRUE callIdentifier { guid '006E38C43570518C030003010E32CA1F'H } willSupplyUUIEs FALSE }
```

Шаг 21

CUBE 2 передает сообщение Обработки вызова H225 к CUBE 1.

```
(GK-CUBE-2.txt)

026462: *Sep 24 12:43:19.607:
    //23/006E38C40300/H323/cch323_h225_set_new_state: Changing from H225_SETUP state to
H225_CALLPROC state 026463: *Sep 24 12:43:19.607: //23/006E38C40300/H323/generic_send_callproc:
====== PI = 0 026464: *Sep 24 12:43:19.607: //23/006E38C40300/H323/cch323_build_qosInfo:
ccb=0x83D7D3D4. msg_type=0 026465: *Sep 24 12:43:19.607:
//23/006E38C40300/H323/cch323_build_qosInfo: media_ip_addr=0x0, remote_qos_video=0,
audio_lport=0, audio_rport=0, video=0, video_lport=0, video_rport=0, h245_lport=0, h245_rport=0,
remote_qos_audio_bw=0, remote_qos_video_bw=0 026466: *Sep 24 12:43:19.607: H225 NONSTD OUTGOING
PDU ::= value H323_UU_NonStdInfo ::= { rsvpParam rsvpInfo : { qosIE { audio-rport 0 video-rport
0 audio-lport 0 video-lport 0 media-ip-addr 0 remote-qos-video-bw 0 remote-qos-audio-bw 0
remote-qos-video 0 } } } 026467: *Sep 24 12:43:19.611: H225 NONSTD OUTGOING ENCODE BUFFER::=
80A1001127F8000000000000000000000000000000 026468: *Sep 24 12:43:19.611: 026469: *Sep 24
12:43:19.611: H225.0 OUTGOING PDU ::= value H323_UserInformation ::= { h323-uu-pdu { h323-
message-body callProceeding : { protocolIdentifier { 0 0 8 2250 0 4 } destinationInfo { vendor {
vendor { t35CountryCode 181 t35Extension 0 manufacturerCode 18 } productId
'436973636F47617465776179'H versionId '32'H } gateway { protocol { voice : { supportedPrefixes {
{ prefix dialedDigits : "3#" } } }, h323 : { supportedPrefixes { } } } } mc FALSE undefinedNode
FALSE } callIdentifier { guid '006E38C43570518C030003010E32CA1F'H } multipleCalls TRUE
maintainConnection TRUE } h245Tunneling FALSE nonStandardControl { { nonStandardIdentifier
h221NonStandard : { t35CountryCode 181 t35Extension 0 manufacturerCode 18 } data
'80A1001127F8000000000000000000000000000...'H } } } }
```

Шаг 22

Поскольку нет никаких зон invia, настроенных для зоны CUBE CCM, Сторожевое устройство 2 выполняет обычную обработку ARQ. Это находит 3# технический префикс в назначенном номере.

```
(GK-CUBE-2.txt)

026487: *Sep 24 12:43:19.667: //006E38C40300/006E38C40300/GK/rassrv_get_addrinfo:
    (3#4085252000) Matched tech-prefix 3#
```

Шаг 23

Сторожевое устройство 2 использования оставшиеся разряды (4085252000) для обнаружения соответствия префикса зоны. Это решает, что зона CME может обработать

эти 408 префиксов и пытается найти шлюз, который зарегистрирован в зоне CME с tech-prefix 3#.

(GK-CUBE-2.txt)

```
026488: *Sep 24 12:43:19.667: //006E38C40300/006E38C40300/GK/rassrv_get_addrinfo:
    (3#4085252000) Matched zone prefix 4085252 and remainder 000 026489: *Sep 24 12:43:19.667:
//xxxxxxxxxxx/xxxxxxxxxxx/GK/gk_rassrv_get_ingress_network: ARQ non-std ingress network = 2
026490: *Sep 24 12:43:19.667: //006E38C40300/006E38C40300/GK/rassrv_arq_select_viazone: about to
check the destination side, dst_zonep=0x86006718 026491: *Sep 24 12:43:19.667:
//006E38C40300/006E38C40300/GK/rassrv_arq_select_viazone: matched zone is CME, and
z_outvianamelen=8 026492: *Sep 24 12:43:19.667:
//006E38C40300/006E38C40300/GK/rassrv_arq_select_viazone and z_outvianamep=CME-CUBE 026493: *Sep
24 12:43:19.667: zone_gkid_search_cluster: searching for gkid CME-CUBE 026494: *Sep 24
12:43:19.667: zone_gkid_search_cluster: searching local cluster for CME-CUBE, z_gknamep: CME
z_flags: 0x3000017 026495: *Sep 24 12:43:19.667:
//006E38C40300/006E38C40300/GK/rassrv_arq_select_viazone: Received ARQ for a zone (CME) that has
an outviazone (CME-CUBE) specified, but I am that viazone. Continue normal ARQ processing
```

Шаг 24

Сторожевое устройство 2 выбирает CME как шлюз назначения и передает его IP-адрес (14.1.103.74) в ответе ACF.

(GK-CUBE-2.txt)

```
026502: *Sep 24 12:43:19.671: H225 NONSTD OUTGOING PDU ::=

value ACFnonStandardInfo ::=
    {
      srcTerminalAlias
      {
        e164 : "9193922000",
        h323-ID : {"CUBE-2"}
      }
      dstTerminalAlias
      {
        e164 : "3#4085252000"
      }
    }



026503: *Sep 24 12:43:19.675: H225 NONSTD OUTGOING ENCODE BUFFER::=
    00020480C4C6C553334005004300550042004500 2D00320105806073B8585333
026504: *Sep 24 12:43:19.675:
026505: *Sep 24 12:43:19.675: H225 NONSTD OUTGOING PDU ::=

value RasnonStdUsageTypes ::=
    {
      callModes NULL
    }



026506: *Sep 24 12:43:19.675: H225 NONSTD OUTGOING ENCODE BUFFER::= 40
026507: *Sep 24 12:43:19.675:
026508: *Sep 24 12:43:19.675: RAS OUTGOING PDU ::=

value RasMessage ::= admissionConfirm : { requestSeqNum 4352 bandWidth 7680 callModel direct :
NULL destCallSignalAddress ipAddress : { ip '0E017D7D'H port 1720 } irrFrequency 240
```

nonStandardData { nonStandardIdentifier h221NonStandard : { t35CountryCode 181 t35Extension 0 manufacturerCode 18 } data '00020480C4C6C553334005004300550042004500...'H } willRespondToIRR FALSE uuiesRequested { setup FALSE callProceeding FALSE connect FALSE alerting FALSE information FALSE releaseComplete FALSE facility FALSE progress FALSE empty FALSE } usageSpec { { when { end NULL inIrr NULL } callStartingPoint { connect NULL } required { nonStandardUsageTypes { { nonStandardIdentifier h221NonStandard : { t35CountryCode 181 t35Extension 0 manufacturerCode 18 } data '40'H } } startTime NULL endTime NULL terminationCause NULL } } } }

Шаг 25

CUBE 2 получает ответ ACF и передает сообщение SETUP H225 к CME.

(GK-CUBE-2.txt)

026549: *Sep 24 12:43:19.747: H225.0 OUTGOING PDU ::=

value H323_UserInformation ::=
    {
      h323-uu-pdu
      {
h323-message-body setup : { protocolIdentifier { 0 0 8 2250 0 4 } sourceAddress { h323-ID : {"CUBE-2"} } sourceInfo { vendor { vendor { t35CountryCode 181 t35Extension 0 manufacturerCode 18 } productId '436973636F47617465776179'H versionId '32'H } gateway { protocol { voice : { supportedPrefixes { { prefix dialedDigits : "3#" } } }, h323 : { supportedPrefixes { } } } } mc FALSE undefinedNode FALSE } activeMC FALSE conferenceID '006E38C43570518C030003010E32CA1F'H conferenceGoal create : NULL callType pointToPoint : NULL sourceCallSignalAddress ipAddress : { ip '0E017B5F'H port 11398 } callIdentifier { **guid '006E38C43570518C030003010E32CA1F'H** } mediaWaitForConnect FALSE canOverlapSend FALSE multipleCalls TRUE maintainConnection TRUE } h245Tunneling TRUE nonStandardControl { { nonStandardIdentifier h221NonStandard : { t35CountryCode 181 t35Extension 0 manufacturerCode 18 } data '80A50004000103001127F8000000000000000000...'H } } } } 026550: *Sep 24 12:43:19.775: H225.0 OUTGOING ENCODE BUFFER::= 20A0060008914
A000401400500430055004200450020D003228C0B50000120B436973636F47617465776179003
240023C0504010020602C05010000006E38C43570518C030003010E32CA1F00CD0D800007000
E017B5F2C861100006E38C43570518C030003010E32CA1F0100010001800180180010A0018021014
0B50000121A80A50004000103001127F8000000000000000000000000000000000 026551: *Sep 24 12:43:19.779: 026552: *Sep 24 12:43:19.779: //24/006E38C40300/H323/cch323_h225_set_new_state: Changing from H225_IDLE state to H225_SETUP state

Шаг 26

Сторожевое устройство получает запрос ARQ с “answerCall”, установленным в True от CME, и передает ответ ACF.

(GK-CUBE-2.txt)

026557: *Sep 24 12:43:19.811: RAS INCOMING PDU ::=

value RasMessage ::= admissionRequest : { requestSeqNum 1956 callType pointToPoint : NULL callModel direct : NULL endpointIdentifier {"860100E800000002"} **destinationInfo { dialedDigits : "3#4085252000" } srcInfo { dialedDigits : "9193922000", h323-ID : {"CUBE-2"} }** srcCallSignalAddress ipAddress : { ip '0E017B5F'H port 11398 } bandWidth 7680 callReferenceValue 8 nonStandardData { nonStandardIdentifier h221NonStandard : { t35CountryCode 181 t35Extension 0 manufacturerCode 18 } data '80000010800181'H } conferenceID '006E38C43570518C030003010E32CA1F'H activeMC FALSE **answerCall TRUE** canMapAlias TRUE callIdentifier { guid '006E38C43570518C030003010E32CA1F'H } willSupplyUUIEs FALSE } 026558: *Sep 24 12:43:19.823: ARQ (seq# 1956) rcvd 026559: *Sep 24 12:43:19.823: H225 NONSTD INCOMING ENCODE BUFFER::= 80000010800181 026560: *Sep 24 12:43:19.823: 026561: *Sep 24 12:43:19.823: H225 NONSTD INCOMING PDU ::= value ARQnonStandardInfo ::= { sourceAlias { } sourceExtAlias { } callingOctet3a 129 } parse_arq_nonstd: ARQ Nonstd decode succeeded, remlen = -2060456504 026562: *Sep 24 12:43:19.827: //xxxxxxxxxxxx/xxxxxxxxxxxx/GK/gk_rassrv_arq: arqp=0x86088C44,crv=0x8, answerCall=1 026563: *Sep 24 12:43:19.827: //006E38C40300/006E38C40300/GK/gk_rassrv_dep_arq: ARQ

Didn't use GK_AAA_PROC 026564: *Sep 24 12:43:19.827: H225 NONSTD OUTGOING PDU ::= value RasnonStdUsageTypes ::= { callModes NULL } 026565: *Sep 24 12:43:19.827: H225 NONSTD OUTGOING ENCODE BUFFER::= 40 026566: *Sep 24 12:43:19.827: 026567: *Sep 24 12:43:19.831: RAS OUTGOING PDU ::= **value RasMessage ::= admissionConfirm : { requestSeqNum 1956** bandWidth 7680 callModel direct : NULL **destCallSignalAddress ipAddress : { ip '0E017D7D'H port 1720 }** irrFrequency 240 willRespondToIRR FALSE uuiesRequested { setup FALSE callProceeding FALSE connect FALSE alerting FALSE information FALSE releaseComplete FALSE facility FALSE progress FALSE empty FALSE } usageSpec { { when { end NULL inIrr NULL } callStartingPoint { connect NULL } required { nonStandardUsageTypes { { nonStandardIdentifier h221NonStandard : { t35CountryCode 181 t35Extension 0 manufacturerCode 18 } data '40'H } } startTime NULL endTime NULL terminationCause NULL } } } }

Шаг 27

CUBE 2 получает Обработку вызова H225, Предупреждая и сообщения Подключения от CME, которые тогда передают полностью назад к Cisco Unified Communications Manager.

(GK-CUBE-2.txt)

026577: *Sep 24 12:43:19.895: H225.0 INCOMING PDU ::=

value H323_UserInformation ::=
    {
      h323-uu-pdu
      {
        h323-message-body callProceeding : { protocolIdentifier { 0 0 8 2250 0 4 } destinationInfo { vendor { vendor { t35CountryCode 181 t35Extension 0 manufacturerCode 18 } } gateway { protocol { voice : { supportedPrefixes { { prefix dialedDigits : "3#" } } }, h323 : { supportedPrefixes { } } } } mc FALSE undefinedNode FALSE } callIdentifier { **guid '006E38C43570518C030003010E32CA1F'H** } multipleCalls TRUE maintainConnection TRUE } h245Tunneling FALSE nonStandardControl { { nonStandardIdentifier h221NonStandard : { t35CountryCode 181 t35Extension 0 manufacturerCode 18 } data '80A1001127F80000000000000000000000000000...'H } } } } 026578: *Sep 24 12:43:19.919: H225 NONSTD INCOMING ENCODE BUFFER::= 80A1001127F80000000000000000000000000000 026579: *Sep 24 12:43:19.919: 026580: *Sep 24 12:43:19.919: H225 NONSTD INCOMING PDU ::= value H323_UU_NonStdInfo ::= { rsvpParam rsvpInfo : { qosIE { audio-rport 0 video-rport 0 audio-lport 0 video-lport 0 media-ip-addr 0 remote-qos-video-bw 0 remote-qos-audio-bw 0 remote-qos-video 0 } } } 026581: *Sep 24 12:43:19.923: //-1/xxxxxxxxxxxx/H323/cch323_h225_receiver: Received msg of type CALLPROCIND_CHOSEN 026582: *Sep 24 12:43:19.923: //-1/xxxxxxxxxxxx/H323/cch323_decode_qos_info: media_ip_addr: 0x0, remote_qos_video: 0, audio_lport: 0, audio_rport: 0, video: 0, video_lport: 0, video_rport: 0, remote qos audio bw: 0, remote qos video bw: 0 026583: *Sep 24 12:43:19.923: //24/006E38C40300/H323/callproc_ind: ====== PI = 0 026584: *Sep 24 12:43:19.923: //24/006E38C40300/H323/cch323_h225_receiver: CALLPROCIND_CHOSEN: src address = 14.1.123.95; dest address = 14.1.125.125 026585: *Sep 24 12:43:19.927: //24/006E38C40300/H323/run_h225_sm: Received event H225_EV_CALLPROC_IND while at state H225_SETUP 026586: *Sep 24 12:43:19.927: //24/006E38C40300/H323/callproc_notify: Peer not ready so not starting TCP 026587: *Sep 24 12:43:19.927: //**24/006E38C40300/CCAPI/cc_api_call_proceeding:** Interface=0x855A8B64, Progress Indication=NULL(0) 026596: *Sep 24 12:43:19.935: H225.0 INCOMING PDU ::= value H323_UserInformation ::= { h323-uu-pdu { **h323-message-body alerting :** { protocolIdentifier { 0 0 8 2250 0 4 } destinationInfo { vendor { vendor { t35CountryCode 181 t35Extension 0 manufacturerCode 18 } } gateway { protocol { voice : { supportedPrefixes { { prefix dialedDigits : "3#" } } }, h323 : { supportedPrefixes { } } } } mc FALSE undefinedNode FALSE } callIdentifier { **guid '006E38C43570518C030003010E32CA1F'H** } multipleCalls TRUE maintainConnection TRUE } h245Tunneling FALSE } } 026597: *Sep 24 12:43:19.951: //-1/xxxxxxxxxxxx/H323/cch323_h225_receiver: Received msg of type ALERTIND_CHOSEN 026598: *Sep 24 12:43:19.951: //24/006E38C40300/H323/alert_ind: ====== PI = 0 026599: *Sep 24 12:43:19.951: //24/006E38C40300/H323/alert_ind: alert ind ie_bit_mask 0x5A60, displayInfo 026600: *Sep 24 12:43:19.955: //24/006E38C40300/H323/alert_ind: Rcvd ALERT Display Info IE = 026601: *Sep 24 12:43:19.955: //24/006E38C40300/H323/alert_ind: delay H245 address in alert 026602: *Sep 24 12:43:19.955: //24/006E38C40300/H323/cch323_h225_receiver: ALERTIND_CHOSEN: src address = 14.1.123.95; dest address = 14.1.125.125 026603: *Sep 24 12:43:19.955: //24/006E38C40300/H323/run_h225_sm: Received event H225_EV_ALERT_IND while at state

```
H225_CALLPROC 026604: *Sep 24 12:43:19.955: //24/006E38C40300/H323/generic_alert_notify: aData
display_info 026605: *Sep 24 12:43:19.955: //24/006E38C40300/CCAPI/cc_api_set_delay_xport:
CallInfo(delay xport=TRUE) 026606: *Sep 24 12:43:19.955:
//24/006E38C40300/CCAPI/cc_api_call_alert: Interface=0x855A8B64, Progress Indication=NULL(0),
Signal Indication=SIGNAL RINGBACK(1) 026607: *Sep 24 12:43:19.955:
//24/006E38C40300/CCAPI/cc_api_call_alert: Call Entry(Retry Count=0, Responsed=TRUE) 026608:
*Sep 24 12:43:19.959: //24/006E38C40300/H323/cch323_h225_set_new_state: Changing from
H225_CALLPROC state to H225_ALERT state 026609: *Sep 24 12:43:19.959:
h323chan_chn_process_read_socket 026610: *Sep 24 12:43:19.959: h323chan_chn_process_read_socket:
fd=4 of type CONNECTED has data 026611: *Sep 24 12:43:19.959: h323chan_chn_process_read_socket:
h323chan accepted/connected fd=4 026612: *Sep 24 12:43:19.959: H225.0 INCOMING ENCODE BUFFER::=
28501900060008914A 000400006E38C43570518C030003010E32CA1F10800100 026613: *Sep 24 12:43:19.959:
026614: *Sep 24 12:43:19.959: H225.0 INCOMING PDU ::= value H323_UserInformation ::= { h323-uu-
pdu { h323-message-body notify : { protocolIdentifier { 0 0 8 2250 0 4 } callIdentifier { guid
'006E38C43570518C030003010E32CA1F'H } } h245Tunneling FALSE } } 026615: *Sep 24 12:43:19.967:
//-1/xxxxxxxxxxxx/H323/cch323_h225_receiver: Received msg of type NOTIFYIND_CHOSEN 026616: *Sep
24 12:43:19.967: //24/006E38C40300/H323/notify_ind: Rcvd NOTIFY Display Info IE = 026617: *Sep
24 12:43:19.967: //24/006E38C40300/H323/notify_ind: Rcvd NOTIFY Notification Indicator IE = 113
026618: *Sep 24 12:43:19.967: //24/006E38C40300/H323/notify_ind: Rcvd NOTIFY Connected Number as
IE 026619: *Sep 24 12:43:19.967: //24/006E38C40300/H323/notify_ind: [cnum]/[oct]/[oct3a]=
[4085252000]/[0x00]/[0x00] 026620: *Sep 24 12:43:19.967: //24/006E38C40300/H323/notify_ind:
Notify data embedded, mask=0x00000007 026621: *Sep 24 12:43:19.967:
//24/006E38C40300/H323/cch323_h225_receiver: NOTIFYIND_CHOSEN: src address = 14.1.123.95; dest
address = 14.1.125.125 026622: *Sep 24 12:43:19.967: //24/006E38C40300/H323/run_h225_sm:
Received event H225_EV_NOTIFY_IND while at state H225_ALERT 026623: *Sep 24 12:43:19.967:
//24/006E38C40300/H323/notify_msg_notify: Notify data found, mask=0x00000007 026624: *Sep 24
12:43:19.967: //24/006E38C40300/CCAPI/cc_api_call_notify: Data Bitmask=0x7,
Interface=0x855A8B64, Call Id=24 026625: *Sep 24 12:43:19.971:
//23/006E38C40300/CCAPI/ccCallAlert: Progress Indication=NULL(0), Signal Indication=SIGNAL
RINGBACK(1) 026626: *Sep 24 12:43:19.975: //23/006E38C40300/CCAPI/ccCallAlert: Call
Entry(Responsed=TRUE, AlertSent=TRUE) 026679: *Sep 24 12:43:25.204: H225.0 INCOMING PDU ::=
value H323_UserInformation ::= { h323-uu-pdu { h323-message-body connect : { protocolIdentifier
{ 0 0 8 2250 0 4 } h245Address ipAddress : { ip '0E017D7D'H port 11360 } destinationInfo {
vendor { vendor { t35CountryCode 181 t35Extension 0 manufacturerCode 18 } } gateway { protocol {
voice : { supportedPrefixes { { prefix dialedDigits : "3#" } } }, h323 : { supportedPrefixes { }
} } } mc FALSE undefinedNode FALSE } conferenceID '006E38C43570518C030003010E32CA1F'H
callIdentifier { guid '006E38C43570518C030003010E32CA1F'H } multipleCalls TRUE
maintainConnection TRUE } h245Tunneling FALSE } } 026680: *Sep 24 12:43:25.224: //-
1/xxxxxxxxxxxx/H323/cch323_h225_receiver: Received msg of type SETUPCFM_CHOSEN 026681: *Sep 24
12:43:25.224: //24/006E38C40300/H323/setup_cfm_ind: ====== PI = 0 026682: *Sep 24 12:43:25.224:
//24/006E38C40300/H323/setup_cfm_ind: Set new event H225_EV_SETUP_CFM_IND 026683: *Sep 24
12:43:25.224: //24/006E38C40300/H323/setup_cfm_ind: Rcvd CONNECT Display Info IE = 026684: *Sep
24 12:43:25.228: //24/006E38C40300/H323/cch323_h225_receiver: SETUPCFM_CHOSEN: src address =
14.1.123.95; dest address = 14.1.125.125 026685: *Sep 24 12:43:25.228:
//24/006E38C40300/H323/run_h225_sm: Received event H225_EV_SETUP_CFM_IND while at state
H225_ALERT 026686: *Sep 24 12:43:25.228: //24/006E38C40300/H323/setup_cfm_notify: status =
8000009 026687: *Sep 24 12:43:25.228: //24/006E38C40300/H323/generic_setup_cfm_notify: ====== PI
= 0; status = 88000009 026688: *Sep 24 12:43:25.228:
//24/006E38C40300/CCAPI/cc_api_call_connected: Interface=0x855A8B64, Data Bitmask=0x1, Progress
Indication=NULL(0), Connection Handle=0
```

Шаг 28

Согласование H.245 имеет место. Установлены аудио и видео потоки RTP

```
(GK-CUBE-2.txt)

026833: *Sep 24 12:43:25.889: H245 MSC INCOMING PDU ::=

value MultimediaSystemControlMessage ::= request : terminalCapabilitySet :
    {
      sequenceNumber 1
      protocolIdentifier { 0 0 8 245 0 10 }
```

```
multiplexCapability h2250Capability :
{
  maximumAudioDelayJitter 60
  receiveMultipointCapability
  {
    multicastCapability FALSE
    multiUniCastConference FALSE
    mediaDistributionCapability
    {

      {
        centralizedControl FALSE
        distributedControl FALSE
        centralizedAudio FALSE
        distributedAudio FALSE
        centralizedVideo FALSE
        distributedVideo FALSE
      }
    }
  }
  transmitMultipointCapability
  {
    multicastCapability FALSE
    multiUniCastConference FALSE
    mediaDistributionCapability
    {

      {
        centralizedControl FALSE
        distributedControl FALSE
        centralizedAudio FALSE
        distributedAudio FALSE
        centralizedVideo FALSE
        distributedVideo FALSE
      }
    }
  }
  receiveAndTransmitMultipointCapability
  {
    multicastCapability FALSE
    multiUniCastConference FALSE
    mediaDistributionCapability
    {

      {
        centralizedControl FALSE
        distributedControl FALSE
        centralizedAudio FALSE
        distributedAudio FALSE
        centralizedVideo FALSE
        distributedVideo FALSE
      }
    }
  }
  mcCapability
  {
    centralizedConferenceMC FALSE
    decentralizedConferenceMC FALSE
  }
  rtcpVideoControlCapability FALSE
  mediaPacketizationCapability
  {
    h261aVideoPacketization FALSE
  }
```

```
  logicalChannelSwitchingCapability FALSE
  t120DynamicPortCapability FALSE
}
capabilityTable
{

  {
    capabilityTableEntryNumber 1
    capability receiveAudioCapability : g722-64k : 60
  },
  {
    capabilityTableEntryNumber 2
    capability receiveAudioCapability : g711Ulaw64k : 40
  },
  {
    capabilityTableEntryNumber 3
    capability receiveAudioCapability : g711Alaw64k : 40
  },
  {
    capabilityTableEntryNumber 4
    capability receiveAudioCapability : g722-56k : 60
  },
  {
    capabilityTableEntryNumber 5
    capability receiveAudioCapability : g722-48k : 60
  },
  {
    capabilityTableEntryNumber 6
    capability receiveAudioCapability : g729wAnnexB : 6
  },
  {
    capabilityTableEntryNumber 7
    capability receiveAudioCapability : g729AnnexAwAnnexB : 6
  },
  {
    capabilityTableEntryNumber 8
    capability receiveAudioCapability : g729 : 6
  },
  {
    capabilityTableEntryNumber 9
    capability receiveAudioCapability : g729AnnexA : 6
  },
  {
    capabilityTableEntryNumber 10
    capability receiveAndTransmitVideoCapability : h263VideoCapability :
    {
      qcifMPI 1
      cifMPI 1
      maxBitRate 3840
      unrestrictedVector FALSE
      arithmeticCoding FALSE
      advancedPrediction FALSE
      pbFrames FALSE
      temporalSpatialTradeOffCapability FALSE
      errorCompensation FALSE
    }
  },
  {
    capabilityTableEntryNumber 11
    capability receiveAndTransmitVideoCapability : genericVideoCapability :
    {
      capabilityIdentifier standard : { 0 0 8 241 0 0 1 }
      maxBitRate 3840
      collapsing
```

```
        {

          {
            parameterIdentifier standard : 41
            parameterValue booleanArray : 64
          },
          {
            parameterIdentifier standard : 42
            parameterValue unsignedMin : 78
          }
        }
      }
    },
    {
      capabilityTableEntryNumber 12
      capability receiveAndTransmitUserInputCapability : dtmf : NULL
    },
    {
      capabilityTableEntryNumber 13
      capability receiveAndTransmitUserInputCapability : basicString : NULL
    },
    {
      capabilityTableEntryNumber 44
      capability receiveAndTransmitUserInputCapability : hookflash : NULL
    }
  }
  capabilityDescriptors
  {

    {
      capabilityDescriptorNumber 0
      simultaneousCapabilities
      {

        {
          1,
          2,
          3,
          4,
          5,
          6,
          7,
          8,
          9
        },

        {
          10,
          11
        },

        {
          12,
          13
        },

        {
          44
        }
      }
    }
  }
}
```

```
026834: *Sep 24 12:43:25.945: h245_decode_one_pdu: H245ASNDecodePdu rc = 0,
   bytesLeftToDecode = 0
026835: *Sep 24 12:43:25.949: h245_decode_one_pdu: Read Pkt body: more_pdus:0
   rc:0 asn_rc:0
026836: *Sep 24 12:43:25.949: //23/006E38C40300/H323/cch323_h245_cap_ind:
   Masks au=0x7000180F data=0x0 uinp=0x32
026837: *Sep 24 12:43:25.949: //23/006E38C40300/H323/cch323_run_h245_cap_in_sm:
   Received H245_EVENT_CAP_IND while at state IDLE
026838: *Sep 24 12:43:25.949: //23/006E38C40300/H323/h245_cap_in_set_new_state:
   changing from IDLE state to AWAITING_RESPONSE state
026839: *Sep 24 12:43:25.949: //23/006E38C40300/H323/run_h245_iwf_sm:
   received IWF_EV_CAP_IND while at state IWF_H245_CONNECTED
026840: *Sep 24 12:43:25.949: //23/006E38C40300/H323/h245_handle_cap_ind:
   TCS received from remote end. Setting h245 status flag H245_CAP_REQUEST_RCVD
026841: *Sep 24 12:43:25.953: //23/006E38C40300/H323/cch323_iwf_cap_notify:
   Mask sent to other leg=1
026842: *Sep 24 12:43:25.953: //23/006E38C40300/CCAPI/cc_api_caps_ind:
   Destination Interface=0x855A8B64, Destination Call Id=24, Source Call Id=23,
   Caps(Codec=0x1, Fax Rate=0x2, Vad=0x2,
   Modem=0x0, Codec Bytes=20, Signal Type=2)
026843: *Sep 24 12:43:25.953: //23/006E38C40300/CCAPI/cc_api_caps_ind:
   Caps(Playout Mode=1, Playout Initial=60(ms), Playout Min=40(ms),
   Playout Max=250(ms), Fax Nom=300(ms))
026844: *Sep 24 12:43:25.953: //23/006E38C40300/H323/h245_iwf_set_new_state:
   changing from IWF_H245_CONNECTED state to IWF_AWAIT_PEER_CAP state
026845: *Sep 24 12:43:25.957: //24/006E38C40300/H323/cch323_peer_caps_ind_common:
   Update the audio mask: old mask=0x7800EBF7; new mask=0x1
026846: *Sep 24 12:43:25.957: //24/006E38C40300/H323/cch323_peer_caps_ind_common:
   ExtendedCaps present
026847: *Sep 24 12:43:25.957:
   //24/006E38C40300/H323/cch323_prepare_preferred_codec_list: Munging caps: 5:1:1
026848: *Sep 24 12:43:25.957:
   //24/006E38C40300/H323/cch323_prepare_preferred_codec_list: Final mask=1
026849: *Sep 24 12:43:25.957:
   //24/006E38C40300/H323/cch323_prepare_preferred_codec_list:
   Copying codec list from extended caps into CCB
026850: *Sep 24 12:43:25.957:
   //24/006E38C40300/H323/run_h245_iwf_sm:
   received IWF_EV_PEER_CAPS_IND while at state IWF_IDLE
026851: *Sep 24 12:43:25.957:
   //24/006E38C40300/H323/cch323_send_event_to_h245_connection_sm:
   Changing to new event H245_CONNECT_REQ_EVENT
026852: *Sep 24 12:43:25.957:
   //24/006E38C40300/H323/cch323_h245_connection_sm:
   state=0, event=1, ccb=8572F6C4, listen state=0
026853: *Sep 24 12:43:25.957:
   //24/006E38C40300/H323/cch323_h245_connection_sm: H245_CONNECT:
   Received event H245_CONNECT_REQ_EVENT while at H245_NONE state
026854: *Sep 24 12:43:25.961:
   //24/006E38C40300/H323/cch323_h245_set_new_state:
   Changing from H245_NONE state to H245_WAITING state
026855: *Sep 24 12:43:25.961:
   //24/006E38C40300/H323/h245_iwf_set_new_state:
   changing from IWF_IDLE state to IWF_AWAIT_H245_CONN state
026856: *Sep 24 12:43:25.965: h323chan_chn_process_read_socket
026857: *Sep 24 12:43:25.965: h323chan_chn_process_read_socket:
   fd=7 of type CONNECT_PENDING has data
026858: *Sep 24 12:43:25.965:
   //24/006E38C40300/H323/cch323_h245_channel_established_ind:
   Using fd=7 to send msgs
026859: *Sep 24 12:43:25.965:
   //24/006E38C40300/H323/cch323_send_event_to_h245_connection_sm:
```

```
   Changing to new event H245_ESTABLISHED_EVENT
026860: *Sep 24 12:43:25.969:
   //24/006E38C40300/H323/cch323_h245_connection_sm:
   state=1, event=2, ccb=8572F6C4, listen state=0
026861: *Sep 24 12:43:25.969:
   //24/006E38C40300/H323/cch323_h245_connection_sm: H245_CONNECT:
   Received event H245_ESTABLISHED_EVENT while at H245_WAITING state
026862: *Sep 24 12:43:25.969:
   //24/006E38C40300/H323/cch323_h245_set_new_state:
   Changing from H245_WAITING state to H245_CONNECTED state
026863: *Sep 24 12:43:25.969:
   //24/006E38C40300/H323/run_h245_iwf_sm:
   received IWF_EV_H245_CONNECTED while at state IWF_AWAIT_H245_CONN
026864: *Sep 24 12:43:25.969:
   //24/006E38C40300/H323/h245_iwf_set_new_state:
   changing from IWF_AWAIT_H245_CONN state to IWF_AWAIT_CAP_MSD_RESP state
026865: *Sep 24 12:43:25.969:
   //24/006E38C40300/H323/cch323_run_h245_cap_out_sm:
   Received H245_EVENT_CAP_REQ while at state IDLE
026866: *Sep 24 12:43:25.969: H245 MSC OUTGOING PDU ::=

value MultimediaSystemControlMessage ::= request : terminalCapabilitySet :
    {
      sequenceNumber 1
      protocolIdentifier { 0 0 8 245 0 10 }
      multiplexCapability h2250Capability :
      {
        maximumAudioDelayJitter 60
        receiveMultipointCapability
        {
          multicastCapability FALSE
          multiUniCastConference FALSE
          mediaDistributionCapability
          {

            {
              centralizedControl FALSE
              distributedControl FALSE
              centralizedAudio FALSE
              distributedAudio FALSE
              centralizedVideo FALSE
              distributedVideo FALSE
            }
          }
        }
        transmitMultipointCapability
        {
          multicastCapability FALSE
          multiUniCastConference FALSE
          mediaDistributionCapability
          {

            {
              centralizedControl FALSE
              distributedControl FALSE
              centralizedAudio FALSE
              distributedAudio FALSE
              centralizedVideo FALSE
              distributedVideo FALSE
            }
          }
        }
        receiveAndTransmitMultipointCapability
        {
```

```
    multicastCapability FALSE
    multiUniCastConference FALSE
    mediaDistributionCapability
    {

      {
        centralizedControl FALSE
        distributedControl FALSE
        centralizedAudio FALSE
        distributedAudio FALSE
        centralizedVideo FALSE
        distributedVideo FALSE
      }
    }
  }
  mcCapability
  {
    centralizedConferenceMC FALSE
    decentralizedConferenceMC FALSE
  }
  rtcpVideoControlCapability FALSE
  mediaPacketizationCapability
  {
    h261aVideoPacketization FALSE
  }
  logicalChannelSwitchingCapability FALSE
  t120DynamicPortCapability FALSE
}
capabilityTable
{

  {
    capabilityTableEntryNumber 1
    capability receiveAudioCapability : g722-64k : 60
  },
  {
    capabilityTableEntryNumber 2
    capability receiveAudioCapability : g711Ulaw64k : 40
  },
  {
    capabilityTableEntryNumber 3
    capability receiveAudioCapability : g711Alaw64k : 40
  },
  {
    capabilityTableEntryNumber 4
    capability receiveAudioCapability : g722-56k : 60
  },
  {
    capabilityTableEntryNumber 5
    capability receiveAudioCapability : g722-48k : 60
  },
  {
    capabilityTableEntryNumber 6
    capability receiveAudioCapability : g729wAnnexB : 6
  },
  {
    capabilityTableEntryNumber 7
    capability receiveAudioCapability : g729AnnexAwAnnexB : 6
  },
  {
    capabilityTableEntryNumber 8
    capability receiveAudioCapability : g729 : 6
  },
  {
```

```
    capabilityTableEntryNumber 9
    capability receiveAudioCapability : g729AnnexA : 6
  },
  {
    capabilityTableEntryNumber 10
    capability receiveAndTransmitVideoCapability : h263VideoCapability :
    {
      qcifMPI 1
      cifMPI 1
      maxBitRate 3840
      unrestrictedVector FALSE
      arithmeticCoding FALSE
      advancedPrediction FALSE
      pbFrames FALSE
      temporalSpatialTradeOffCapability FALSE
      errorCompensation FALSE
    }
  },
  {
    capabilityTableEntryNumber 11
    capability receiveAndTransmitVideoCapability : genericVideoCapability :
    {
      capabilityIdentifier standard : { 0 0 8 241 0 0 1 }
      maxBitRate 3840
      collapsing
      {

        {
          parameterIdentifier standard : 41
          parameterValue booleanArray : 64
        },
        {
          parameterIdentifier standard : 42
          parameterValue unsignedMin : 78
        }
      }
    }
  },
  {
    capabilityTableEntryNumber 12
    capability receiveAndTransmitUserInputCapability : dtmf : NULL
  },
  {
    capabilityTableEntryNumber 13
    capability receiveAndTransmitUserInputCapability : basicString : NULL
  },
  {
    capabilityTableEntryNumber 44
    capability receiveAndTransmitUserInputCapability : hookflash : NULL
  }
}
capabilityDescriptors
{

  {
    capabilityDescriptorNumber 0
    simultaneousCapabilities
    {

      {
        1,
        2,
        3,
        4,
```

```
              5,
              6,
              7,
              8,
              9
            },

            {
              10,
              11
            },

            {
              12,
              13
            },

            {
              44
            }
          }
        }
      }
    }
```

```
026867: *Sep 24 12:43:26.029: H245 MSC OUTGOING ENCODE BUFFER::= 02700106000
   88175000A801380003C000100000100000100000CC0010001000D80000021403B80000120C02
   78000022040278000032180 3B80000421C03B8000052400010580000624080105800007228 00
   580000822C00580000919D800080EFF007040010080000A1C00156000070008817100000140 0
   F000202914002A2004E80000B85014080000C85011080002B850150008000030800000001000
   200030004000500060007000801000 9000A01000B000C00002B
026868: *Sep 24 12:43:26.029:
026869: *Sep 24 12:43:26.033: //24/006E38C40300/H323/cch323_send_cap_request:
   Send caps in passthru mode: retcode 0
026870: *Sep 24 12:43:26.033: //24/006E38C40300/H323/h245_cap_out_set_new_state:
   changing from IDLE state to AWAITING_RESPONSE state
026871: *Sep 24 12:43:26.033: h323chan_chn_process_read_socket
026872: *Sep 24 12:43:26.033: h323chan_chn_process_read_socket: fd=7 of type
   CONNECTED has data
026873: *Sep 24 12:43:26.037:  h323chan_chn_process_read_socket: h323chan
   accepted/connected fd=7

026874: *Sep 24 12:43:26.037: h323chan_chn_process_read_socket
026875: *Sep 24 12:43:26.041: h323chan_chn_process_read_socket:
   fd=7 of type CONNECTED has data
026876: *Sep 24 12:43:26.041:  h323chan_chn_process_read_socket:
   h323chan accepted/connected fd=7

026877: *Sep 24 12:43:26.041: h245_decode_one_pdu: more_pdus = 0,
   bytesLeftToDecode = 127
026878: *Sep 24 12:43:26.041: H245 MSC INCOMING ENCODE BUFFER::= 02700106000
   881750007801380001400010000010000010000CC00100010006800021 8A061404302D31368
   000184810B50000120C52747044746D6652656C6179000080001E83015080001D83014080001
   A83011080000220C01380002609D800083A97007040010000800103000002000026030021001
   D001A001800001E
026879: *Sep 24 12:43:26.041:
026880: *Sep 24 12:43:26.045: H245 MSC INCOMING PDU ::=

value MultimediaSystemControlMessage ::= request : terminalCapabilitySet :
    {
      sequenceNumber 1
      protocolIdentifier { 0 0 8 245 0 7 }
```

```
multiplexCapability h2250Capability :
{
  maximumAudioDelayJitter 20
  receiveMultipointCapability
  {
    multicastCapability FALSE
    multiUniCastConference FALSE
    mediaDistributionCapability
    {

      {
        centralizedControl FALSE
        distributedControl FALSE
        centralizedAudio FALSE
        distributedAudio FALSE
        centralizedVideo FALSE
        distributedVideo FALSE
      }
    }
  }
  transmitMultipointCapability
  {
    multicastCapability FALSE
    multiUniCastConference FALSE
    mediaDistributionCapability
    {

      {
        centralizedControl FALSE
        distributedControl FALSE
        centralizedAudio FALSE
        distributedAudio FALSE
        centralizedVideo FALSE
        distributedVideo FALSE
      }
    }
  }
  receiveAndTransmitMultipointCapability
  {
    multicastCapability FALSE
    multiUniCastConference FALSE
    mediaDistributionCapability
    {

      {
        centralizedControl FALSE
        distributedControl FALSE
        centralizedAudio FALSE
        distributedAudio FALSE
        centralizedVideo FALSE
        distributedVideo FALSE
      }
    }
  }
  mcCapability
  {
    centralizedConferenceMC FALSE
    decentralizedConferenceMC FALSE
  }
  rtcpVideoControlCapability FALSE
  mediaPacketizationCapability
  {
    h261aVideoPacketization FALSE
  }
```

```
  logicalChannelSwitchingCapability FALSE
  t120DynamicPortCapability FALSE
}
capabilityTable
{

  {
    capabilityTableEntryNumber 34
    capability receiveRTPAudioTelephonyEventCapability :
    {
      dynamicRTPPayloadType 101
      audioTelephoneEvent "0-16"
    }
  },
  {
    capabilityTableEntryNumber 25
    capability receiveAndTransmitDataApplicationCapability :
    {
      application nonStandard :
      {
        nonStandardIdentifier h221NonStandard :
        {
          t35CountryCode 181
          t35Extension 0
          manufacturerCode 18
        }
        data '52747044746D6652656C6179'H
      }
      maxBitRate 0
    }
  },
  {
    capabilityTableEntryNumber 31
    capability receiveUserInputCapability : hookflash : NULL
  },
  {
    capabilityTableEntryNumber 30
    capability receiveUserInputCapability : dtmf : NULL
  },
  {
    capabilityTableEntryNumber 27
    capability receiveUserInputCapability : basicString : NULL
  },
  {
    capabilityTableEntryNumber 3
    capability receiveAudioCapability : g711Ulaw64k : 20
  },
  {
    capabilityTableEntryNumber 39
    capability receiveVideoCapability : h263VideoCapability :
    {
      qcifMPI 1
      cifMPI 1
      maxBitRate 15000
      unrestrictedVector FALSE
      arithmeticCoding FALSE
      advancedPrediction FALSE
      pbFrames FALSE
      temporalSpatialTradeOffCapability FALSE
      errorCompensation FALSE
    }
  }
}
capabilityDescriptors
```

```
      {

        {
          capabilityDescriptorNumber 1
          simultaneousCapabilities
          {

            {
              3
            },

            {
              39
            },

            {
              34,
              30,
              27,
              25
            },

            {
              31
            }
          }
        }
      }
    }



026881: *Sep 24 12:43:26.089: h245_decode_one_pdu:
   H245ASNDecodePdu rc = 0, bytesLeftToDecode = 0
026882: *Sep 24 12:43:26.093: h245_decode_one_pdu:
   Read Pkt body: more_pdus:0 rc:0 asn_rc:0
026883: *Sep 24 12:43:26.093: //24/006E38C40300/H323/cch323_h245_cap_ind:
   Masks au=0x1 data=0x2 uinp=0x32
026884: *Sep 24 12:43:26.093: //24/006E38C40300/H323/cch323_run_h245_cap_in_sm:
   Received H245_EVENT_CAP_IND while at state IDLE
026885: *Sep 24 12:43:26.093: //24/006E38C40300/H323/h245_cap_in_set_new_state:
   changing from IDLE state to AWAITING_RESPONSE state
026886: *Sep 24 12:43:26.097: //24/006E38C40300/H323/run_h245_iwf_sm:
   received IWF_EV_CAP_IND while at state IWF_AWAIT_CAP_MSD_RESP
026887: *Sep 24 12:43:26.097: //24/006E38C40300/H323/h245_handle_cap_ind:
   TCS received from remote end. Setting h245 status flag H245_CAP_REQUEST_RCVD
026888: *Sep 24 12:43:26.097: //24/006E38C40300/H323/cch323_iwf_cap_notify:
   Mask sent to other leg=1
026889: *Sep 24 12:43:26.097: //24/006E38C40300/CCAPI/cc_api_caps_ind:
   Destination Interface=0x855A8B64, Destination Call Id=23, Source Call Id=24,
   Caps(Codec=0x1, Fax Rate=0x2, Vad=0x2,
   Modem=0x0, Codec Bytes=20, Signal Type=2)
026890: *Sep 24 12:43:26.097: //24/006E38C40300/CCAPI/cc_api_caps_ind:
   Caps(Playout Mode=1, Playout Initial=60(ms), Playout Min=40(ms),
   Playout Max=250(ms), Fax Nom=300(ms))
026891: *Sep 24 12:43:26.097: h323chan_chn_process_read_socket
026892: *Sep 24 12:43:26.101: h323chan_chn_process_read_socket:
   fd=7 of type CONNECTED has data
026893: *Sep 24 12:43:26.101:  h323chan_chn_process_read_socket:
   h323chan accepted/connected fd=7

026894: *Sep 24 12:43:26.101: h245_decode_one_pdu:
   more_pdus = 0, bytesLeftToDecode = 6
026895: *Sep 24 12:43:26.101: H245 MSC INCOMING ENCODE BUFFER::= 01003C40261F
```

```
026896: *Sep 24 12:43:26.101:
026897: *Sep 24 12:43:26.101: H245 MSC INCOMING PDU ::=

value MultimediaSystemControlMessage ::= request : masterSlaveDetermination :
    {
      terminalType 60
      statusDeterminationNumber 9759
    }



026898: *Sep 24 12:43:26.101: h245_decode_one_pdu:
   H245ASNDecodePdu rc = 0, bytesLeftToDecode = 0
026899: *Sep 24 12:43:26.105: h245_decode_one_pdu:
   Read Pkt body: more_pdus:0 rc:0 asn_rc:0
026900: *Sep 24 12:43:26.105: //24/006E38C40300/H323/cch323_run_passthru_msd:
   Received event H245_EVENT_MS_IND
026901: *Sep 24 12:43:26.105: //-1/xxxxxxxxxxxx/H323/cch323_do_msd_info:
   callID=24, sending event CC_EV_H245_MSD_INFO, msd info ptr 0x854C3870
026902: *Sep 24 12:43:26.105: //24/006E38C40300/CCAPI/cc_api_event_indication:
   Event=146, Call Id=24
026903: *Sep 24 12:43:26.105: //24/006E38C40300/CCAPI/cc_api_event_indication:
   Event Is Sent To Conferenced SPI(s) Directly
026904: *Sep 24 12:43:26.105: //-1/xxxxxxxxxxxx/H323/cch245_event_handler:
   callID=23
026905: *Sep 24 12:43:26.105: //-1/xxxxxxxxxxxx/H323/cch245_event_handler:
   Event CC_EV_H245_MSD_INFO: data ptr=0x854C3870
026906: *Sep 24 12:43:26.109: //23/006E38C40300/H323/cch323_peer_caps_ind_common:
   Update the audio mask: old mask=0x7800EBF7; new mask=0x1
026907: *Sep 24 12:43:26.109: //23/006E38C40300/H323/cch323_peer_caps_ind_common:
   ExtendedCaps present
026908: *Sep 24 12:43:26.109:
   //23/006E38C40300/H323/cch323_prepare_preferred_codec_list: Munging caps: 5:1:1
026909: *Sep 24 12:43:26.113:
   //23/006E38C40300/H323/cch323_prepare_preferred_codec_list: Final mask=1
026910: *Sep 24 12:43:26.113:
   //23/006E38C40300/H323/cch323_prepare_preferred_codec_list:
   Copying codec list from extended caps into CCB
026911: *Sep 24 12:43:26.113: //23/006E38C40300/H323/run_h245_iwf_sm:
   received IWF_EV_PEER_CAPS_IND while at state IWF_AWAIT_PEER_CAP
026912: *Sep 24 12:43:26.113: //23/006E38C40300/H323/h245_iwf_set_new_state:
   changing from IWF_AWAIT_PEER_CAP state to IWF_AWAIT_CAP_MSD_RESP state
026913: *Sep 24 12:43:26.113: //23/006E38C40300/H323/cch323_run_h245_cap_out_sm:
   Received H245_EVENT_CAP_REQ while at state IDLE
026914: *Sep 24 12:43:26.113: H245 MSC OUTGOING PDU ::=

value MultimediaSystemControlMessage ::= request : terminalCapabilitySet :
    {
      sequenceNumber 1
      protocolIdentifier { 0 0 8 245 0 7 }
      multiplexCapability h2250Capability :
      {
        maximumAudioDelayJitter 20
        receiveMultipointCapability
        {
          multicastCapability FALSE
          multiUniCastConference FALSE
          mediaDistributionCapability
          {

            {
              centralizedControl FALSE
              distributedControl FALSE
              centralizedAudio FALSE
```

```
        distributedAudio FALSE
        centralizedVideo FALSE
        distributedVideo FALSE
      }
    }
  }
  transmitMultipointCapability
  {
    multicastCapability FALSE
    multiUniCastConference FALSE
    mediaDistributionCapability
    {

      {
        centralizedControl FALSE
        distributedControl FALSE
        centralizedAudio FALSE
        distributedAudio FALSE
        centralizedVideo FALSE
        distributedVideo FALSE
      }
    }
  }
  receiveAndTransmitMultipointCapability
  {
    multicastCapability FALSE
    multiUniCastConference FALSE
    mediaDistributionCapability
    {

      {
        centralizedControl FALSE
        distributedControl FALSE
        centralizedAudio FALSE
        distributedAudio FALSE
        centralizedVideo FALSE
        distributedVideo FALSE
      }
    }
  }
  mcCapability
  {
    centralizedConferenceMC FALSE
    decentralizedConferenceMC FALSE
  }
  rtcpVideoControlCapability FALSE
  mediaPacketizationCapability
  {
    h261aVideoPacketization FALSE
  }
  logicalChannelSwitchingCapability FALSE
  t120DynamicPortCapability FALSE
}
capabilityTable
{

  {
    capabilityTableEntryNumber 34
    capability receiveRTPAudioTelephonyEventCapability :
    {
      dynamicRTPPayloadType 101
      audioTelephoneEvent "0-16"
    }
  },
```

```
  {
    capabilityTableEntryNumber 25
    capability receiveAndTransmitDataApplicationCapability :
    {
      application nonStandard :
      {
        nonStandardIdentifier h221NonStandard :
        {
          t35CountryCode 181
          t35Extension 0
          manufacturerCode 18
        }
        data '52747044746D6652656C6179'H
      }
      maxBitRate 0
    }
  },
  {
    capabilityTableEntryNumber 31
    capability receiveUserInputCapability : hookflash : NULL
  },
  {
    capabilityTableEntryNumber 30
    capability receiveUserInputCapability : dtmf : NULL
  },
  {
    capabilityTableEntryNumber 27
    capability receiveUserInputCapability : basicString : NULL
  },
  {
    capabilityTableEntryNumber 3
    capability receiveAudioCapability : g711Ulaw64k : 20
  },
  {
    capabilityTableEntryNumber 39
    capability receiveVideoCapability : h263VideoCapability :
    {
      qcifMPI 1
      cifMPI 1
      maxBitRate 15000
      unrestrictedVector FALSE
      arithmeticCoding FALSE
      advancedPrediction FALSE
      pbFrames FALSE
      temporalSpatialTradeOffCapability FALSE
      errorCompensation FALSE
    }
  }
}
capabilityDescriptors
{

  {
    capabilityDescriptorNumber 1
    simultaneousCapabilities
    {

      {
        3
      },

      {
        39
      },
```

```
            {
              34,
              30,
              27,
              25
            },

            {
              31
            }
          }
        }
      }
    }



026915: *Sep 24 12:43:26.161: H245 MSC OUTGOING ENCODE BUFFER::= 02700106000
   881750007801380001400010000010000010000CC00100010006800021 8A061404302D31368
   000184810B50000120C52747044746D6652656C6179000080001E83015080001D83014080001
   A83011080000220C01380002609D800083A97007040010000800103000002000026030021001
   D001A001800001E
026916: *Sep 24 12:43:26.161:
026917: *Sep 24 12:43:26.165: //23/006E38C40300/H323/cch323_send_cap_request:
   Send caps in passthru mode: retcode 0
026918: *Sep 24 12:43:26.165: //23/006E38C40300/H323/h245_cap_out_set_new_state:
   changing from IDLE state to AWAITING_RESPONSE state
026919: *Sep 24 12:43:26.165: //23/006E38C40300/H323/cch323_run_passthru_msd:
   Received event H245_EVENT_MSD
026920: *Sep 24 12:43:26.165: H245 MSC OUTGOING PDU ::=

value MultimediaSystemControlMessage ::= request : masterSlaveDetermination :
    {
      terminalType 60
      statusDeterminationNumber 9759
    }



026921: *Sep 24 12:43:26.169: H245 MSC OUTGOING ENCODE BUFFER::= 01003C40261F
026922: *Sep 24 12:43:26.169:
026923: *Sep 24 12:43:26.169: h323chan_chn_process_read_socket
026924: *Sep 24 12:43:26.169: h323chan_chn_process_read_socket:
   fd=7 of type CONNECTED has data
026925: *Sep 24 12:43:26.169:  h323chan_chn_process_read_socket:
   h323chan accepted/connected fd=7

026926: *Sep 24 12:43:26.169: h245_decode_one_pdu:
   more_pdus = 0, bytesLeftToDecode = 3
026927: *Sep 24 12:43:26.169: H245 MSC INCOMING ENCODE BUFFER::= 218001
026928: *Sep 24 12:43:26.169:
026929: *Sep 24 12:43:26.169: H245 MSC INCOMING PDU ::=

value MultimediaSystemControlMessage ::= response : terminalCapabilitySetAck :
    {
      sequenceNumber 1
    }



026930: *Sep 24 12:43:26.173: h245_decode_one_pdu:
   H245ASNDecodePdu rc = 0, bytesLeftToDecode = 0
026931: *Sep 24 12:43:26.173: h245_decode_one_pdu:
```

```
   Read Pkt body: more_pdus:0 rc:0 asn_rc:0
026932: *Sep 24 12:43:26.173: //24/006E38C40300/H323/cch323_run_h245_cap_out_sm:
   Received H245_EVENT_CAP_CFM while at state AWAITING_RESPONSE
026933: *Sep 24 12:43:26.173: //24/006E38C40300/H323/h245_cap_out_set_new_state:
   changing from AWAITING_RESPONSE state to IDLE state
026934: *Sep 24 12:43:26.173: //24/006E38C40300/H323/run_h245_iwf_sm:
   received IWF_EV_CAP_CFM while at state IWF_AWAIT_CAP_MSD_RESP
026935: *Sep 24 12:43:26.173:
   //24/006E38C40300/H323/h245_iwf_handle_send_caps_ack_to_peer:
   Sending caps ack to other leg
026936: *Sep 24 12:43:26.173:
   //-1/xxxxxxxxxxxx/H323/cch323_do_caps_ack: dstCallID=23, srcCallID=24
026937: *Sep 24 12:43:26.173: //24/006E38C40300/CCAPI/cc_api_caps_ack:
   Destination Interface=0x855A8B64, Destination Call Id=23, Source Call Id=24,
   Caps(Codec=gsmefr(0x0), Fax Rate=Invalid(0x0), Vad=Invalid(0x0),
   Modem=OFF(0x0), Codec Bytes=0, Signal Type=0, Seq Num Start=0)
026938: *Sep 24 12:43:26.177: //24/006E38C40300/H323/h245_iwf_set_new_state:
   changing from IWF_AWAIT_CAP_MSD_RESP state to IWF_AWAIT_MSD_RESP state
026939: *Sep 24 12:43:26.177: //23/006E38C40300/H323/cch323_peer_caps_ack:
   Sending caps resp event to CAP sm
026940: *Sep 24 12:43:26.177: //23/006E38C40300/H323/run_h245_iwf_sm:
   received IWF_EV_PEER_CAPS_ACK while at state IWF_AWAIT_CAP_MSD_RESP
026941: *Sep 24 12:43:26.177: //23/006E38C40300/H323/cch323_run_h245_cap_in_sm:
   Received H245_EVENT_CAP_RESP while at state AWAITING_RESPONSE
026942: *Sep 24 12:43:26.177: H245 MSC OUTGOING PDU ::=

value MultimediaSystemControlMessage ::= response : terminalCapabilitySetAck :
    {
      sequenceNumber 1
    }



026943: *Sep 24 12:43:26.181: H245 MSC OUTGOING ENCODE BUFFER::= 218001
026944: *Sep 24 12:43:26.181:
026945: *Sep 24 12:43:26.181: //23/006E38C40300/H323/h245_cap_in_set_new_state:
   changing from AWAITING_RESPONSE state to IDLE state
026946: *Sep 24 12:43:26.330: h323chan_chn_process_read_socket
026947: *Sep 24 12:43:26.330: h323chan_chn_process_read_socket:
   fd=6 of type ACCEPTED has data
026948: *Sep 24 12:43:26.330:  h323chan_chn_process_read_socket:
   h323chan accepted/connected fd=6

026949: *Sep 24 12:43:26.330: h245_decode_one_pdu:
   more_pdus = 0, bytesLeftToDecode = 3
026950: *Sep 24 12:43:26.334: H245 MSC INCOMING ENCODE BUFFER::= 218001
026951: *Sep 24 12:43:26.334:
026952: *Sep 24 12:43:26.334: H245 MSC INCOMING PDU ::=

value MultimediaSystemControlMessage ::= response : terminalCapabilitySetAck :
    {
      sequenceNumber 1
    }



026953: *Sep 24 12:43:26.334: h245_decode_one_pdu:
   H245ASNDecodePdu rc = 0, bytesLeftToDecode = 0
026954: *Sep 24 12:43:26.334: h245_decode_one_pdu:
   Read Pkt body: more_pdus:0 rc:0 asn_rc:0
026955: *Sep 24 12:43:26.334: //23/006E38C40300/H323/cch323_run_h245_cap_out_sm:
   Received H245_EVENT_CAP_CFM while at state AWAITING_RESPONSE
026956: *Sep 24 12:43:26.334: //23/006E38C40300/H323/h245_cap_out_set_new_state:
   changing from AWAITING_RESPONSE state to IDLE state
```

```
026957: *Sep 24 12:43:26.338: //23/006E38C40300/H323/run_h245_iwf_sm:
   received IWF_EV_CAP_CFM while at state IWF_AWAIT_CAP_MSD_RESP
026958: *Sep 24 12:43:26.338:
   //23/006E38C40300/H323/h245_iwf_handle_send_caps_ack_to_peer:
   Sending caps ack to other leg
026959: *Sep 24 12:43:26.338: //-1/xxxxxxxxxxxx/H323/cch323_do_caps_ack:
   dstCallID=24, srcCallID=23
026960: *Sep 24 12:43:26.338: //23/006E38C40300/CCAPI/cc_api_caps_ack:
   Destination Interface=0x855A8B64, Destination Call Id=24, Source Call Id=23,
   Caps(Codec=gsmefr(0x0), Fax Rate=Invalid(0x0), Vad=Invalid(0x0),
   Modem=OFF(0x0), Codec Bytes=0, Signal Type=0, Seq Num Start=0)
026961: *Sep 24 12:43:26.338: //23/006E38C40300/H323/h245_iwf_set_new_state:
   changing from IWF_AWAIT_CAP_MSD_RESP state to IWF_AWAIT_MSD_RESP state
026962: *Sep 24 12:43:26.342: //24/006E38C40300/H323/cch323_peer_caps_ack:
   Sending caps resp event to CAP sm
026963: *Sep 24 12:43:26.342: //24/006E38C40300/H323/run_h245_iwf_sm:
   received IWF_EV_PEER_CAPS_ACK while at state IWF_AWAIT_MSD_RESP
026964: *Sep 24 12:43:26.342: //24/006E38C40300/H323/cch323_run_h245_cap_in_sm:
   Received H245_EVENT_CAP_RESP while at state AWAITING_RESPONSE
026965: *Sep 24 12:43:26.342: H245 MSC OUTGOING PDU ::=

value MultimediaSystemControlMessage ::= response : terminalCapabilitySetAck :
    {
      sequenceNumber 1
    }



026966: *Sep 24 12:43:26.342: H245 MSC OUTGOING ENCODE BUFFER::= 218001
026967: *Sep 24 12:43:26.346:
026968: *Sep 24 12:43:26.346: //24/006E38C40300/H323/h245_cap_in_set_new_state:
   changing from AWAITING_RESPONSE state to IDLE state
026969: *Sep 24 12:43:26.346: h323chan_chn_process_read_socket
026970: *Sep 24 12:43:26.346: h323chan_chn_process_read_socket:
   fd=6 of type ACCEPTED has data
026971: *Sep 24 12:43:26.346:  h323chan_chn_process_read_socket:
   h323chan accepted/connected fd=6

026972: *Sep 24 12:43:26.350: h245_decode_one_pdu:
   more_pdus = 0, bytesLeftToDecode = 2
026973: *Sep 24 12:43:26.350: H245 MSC INCOMING ENCODE BUFFER::= 2080
026974: *Sep 24 12:43:26.350:
026975: *Sep 24 12:43:26.350: H245 MSC INCOMING PDU ::=

value MultimediaSystemControlMessage ::= response : masterSlaveDeterminationAck :
    {
      decision master : NULL
    }



026976: *Sep 24 12:43:26.350: h245_decode_one_pdu:
   H245ASNDecodePdu rc = 0, bytesLeftToDecode = 0
026977: *Sep 24 12:43:26.350: h245_decode_one_pdu: Read Pkt body:
   more_pdus:0 rc:0 asn_rc:0
026978: *Sep 24 12:43:26.350: //23/006E38C40300/H323/cch323_run_passthru_msd:
   Received event H245_EVENT_MS_CFM
026979: *Sep 24 12:43:26.350: //-1/xxxxxxxxxxxx/H323/cch323_do_msd_info:
   callID=23, sending event CC_EV_H245_MSD_INFO, msd info ptr 0x854C36E4
026980: *Sep 24 12:43:26.354: //23/006E38C40300/CCAPI/cc_api_event_indication:
   Event=146, Call Id=23
026981: *Sep 24 12:43:26.354: //23/006E38C40300/CCAPI/cc_api_event_indication:
   Event Is Sent To Conferenced SPI(s) Directly
026982: *Sep 24 12:43:26.354: //-1/xxxxxxxxxxxx/H323/cch245_event_handler:
```

```
   callID=24
026983: *Sep 24 12:43:26.354: //-1/xxxxxxxxxxxx/H323/cch245_event_handler:
   Event CC_EV_H245_MSD_INFO: data ptr=0x854C36E4
026984: *Sep 24 12:43:26.354: //24/006E38C40300/H323/cch323_run_passthru_msd:
   Received event H245_EVENT_MS_DET_RSP
026985: *Sep 24 12:43:26.354: H245 MSC OUTGOING PDU ::=

value MultimediaSystemControlMessage ::= response : masterSlaveDeterminationAck :
    {
      decision master : NULL
    }



026986: *Sep 24 12:43:26.358: H245 MSC OUTGOING ENCODE BUFFER::= 2080
026987: *Sep 24 12:43:26.358:
026988: *Sep 24 12:43:26.358: //24/006E38C40300/H323/run_h245_iwf_sm:
   received IWF_EV_MSD_CFM while at state IWF_AWAIT_MSD_RESP
026989: *Sep 24 12:43:26.358: //24/006E38C40300/H323/h245_iwf_handle_init_olc:
   No channel info avail
026990: *Sep 24 12:43:26.358: //24/006E38C40300/H323/h245_iwf_set_new_state:
   changing from IWF_AWAIT_MSD_RESP state to IWF_ACTIVE state
026991: *Sep 24 12:43:26.366: h323chan_chn_process_read_socket
026992: *Sep 24 12:43:26.366: h323chan_chn_process_read_socket:
   fd=7 of type CONNECTED has data
026993: *Sep 24 12:43:26.366:  h323chan_chn_process_read_socket:
   h323chan accepted/connected fd=7

026994: *Sep 24 12:43:26.366: h245_decode_one_pdu:
   more_pdus = 0, bytesLeftToDecode = 2
026995: *Sep 24 12:43:26.366: H245 MSC INCOMING ENCODE BUFFER::= 20A0
026996: *Sep 24 12:43:26.366:
026997: *Sep 24 12:43:26.366: H245 MSC INCOMING PDU ::=

value MultimediaSystemControlMessage ::= response : masterSlaveDeterminationAck :
    {
      decision slave : NULL
    }



026998: *Sep 24 12:43:26.370: h245_decode_one_pdu:
   H245ASNDecodePdu rc = 0, bytesLeftToDecode = 0
026999: *Sep 24 12:43:26.370: h245_decode_one_pdu:
   Read Pkt body: more_pdus:0 rc:0 asn_rc:0
027000: *Sep 24 12:43:26.370: //24/006E38C40300/H323/cch323_run_passthru_msd:
   Received event H245_EVENT_MS_CFM
027001: *Sep 24 12:43:26.370: //-1/xxxxxxxxxxxx/H323/cch323_do_msd_info:
   callID=24, sending event CC_EV_H245_MSD_INFO, msd info ptr 0x854C3870
027002: *Sep 24 12:43:26.370: //24/006E38C40300/CCAPI/cc_api_event_indication:
   Event=146, Call Id=24
027003: *Sep 24 12:43:26.370: //24/006E38C40300/CCAPI/cc_api_event_indication:
   Event Is Sent To Conferenced SPI(s) Directly
027004: *Sep 24 12:43:26.370: //-1/xxxxxxxxxxxx/H323/cch245_event_handler:
   callID=23
027005: *Sep 24 12:43:26.370: //-1/xxxxxxxxxxxx/H323/cch245_event_handler:
   Event CC_EV_H245_MSD_INFO: data ptr=0x854C3870
027006: *Sep 24 12:43:26.374: //23/006E38C40300/H323/cch323_run_passthru_msd:
   Received event H245_EVENT_MS_DET_RSP
027007: *Sep 24 12:43:26.374: H245 MSC OUTGOING PDU ::=

value MultimediaSystemControlMessage ::= response : masterSlaveDeterminationAck :
    {
      decision slave : NULL
```

```
    }


027008: *Sep 24 12:43:26.378: H245 MSC OUTGOING ENCODE BUFFER::= 20A0
027009: *Sep 24 12:43:26.378:
027010: *Sep 24 12:43:26.378: //23/006E38C40300/H323/run_h245_iwf_sm:
   received IWF_EV_MSD_CFM while at state IWF_AWAIT_MSD_RESP
027011: *Sep 24 12:43:26.378: //23/006E38C40300/H323/h245_iwf_handle_init_olc:
   No channel info avail
027012: *Sep 24 12:43:26.378: //23/006E38C40300/H323/h245_iwf_set_new_state:
   changing from IWF_AWAIT_MSD_RESP state to IWF_ACTIVE state
027013: *Sep 24 12:43:26.378: h323chan_chn_process_read_socket
027014: *Sep 24 12:43:26.378: h323chan_chn_process_read_socket:
   fd=7 of type CONNECTED has data
027015: *Sep 24 12:43:26.378:  h323chan_chn_process_read_socket:
   h323chan accepted/connected fd=7

027016: *Sep 24 12:43:26.382: h245_decode_one_pdu:
   more_pdus = 0, bytesLeftToDecode = 20
027017: *Sep 24 12:43:26.382: H245 MSC INCOMING ENCODE BUFFER::=
   030000000C6013800B050001000E017D7D420900
027018: *Sep 24 12:43:26.382:
027019: *Sep 24 12:43:26.382: H245 MSC INCOMING PDU ::=

value MultimediaSystemControlMessage ::= request : openLogicalChannel :
    {
      forwardLogicalChannelNumber 1
      forwardLogicalChannelParameters
      {
        dataType audioData : g711Ulaw64k : 20
        multiplexParameters h2250LogicalChannelParameters :
        {
          sessionID 1
          mediaControlChannel unicastAddress : iPAddress :
          {
            network '0E017D7D'H
            tsapIdentifier 16905
          }
          silenceSuppression FALSE
        }
      }
    }



027020: *Sep 24 12:43:26.386: h245_decode_one_pdu:
   H245ASNDecodePdu rc = 0, bytesLeftToDecode = 0
027021: *Sep 24 12:43:26.390: h245_decode_one_pdu:
   Read Pkt body: more_pdus:0 rc:0 asn_rc:0
027022: *Sep 24 12:43:26.390: //24/006E38C40300/H323/cch323_h245_uchan_ind:
   chan_type 1: chan_num 1
027023: *Sep 24 12:43:26.390:
   //24/006E38C40300/H323/cch323_h245_find_r_allocate_olc_instance:
   Using existing OLC instance
027024: *Sep 24 12:43:26.390: //24/006E38C40300/H323/cch323_h245_uchan_ind:
   channel_number: 1
027025: *Sep 24 12:43:26.390: //24/006E38C40300/H323/cch323_h245_uchan_ind:
   h245_rport_tx using RTCP port
027026: *Sep 24 12:43:26.390: //24/006E38C40300/H323/h245_olc_in_sm:
   Received H245_EV_OLC_IND while at state H245_OLC_IN_STATE_IDLE
027027: *Sep 24 12:43:26.390: //24/006E38C40300/H323/h245_olc_in_set_new_state:
   Changing from H245_OLC_IN_STATE_IDLE state to H245_OLC_IN_STATE_AWAIT_EST state
027028: *Sep 24 12:43:26.390: //24/006E38C40300/H323/run_h245_iwf_sm:
```

```
   received IWF_EV_OLC_EST_IND while at state IWF_OLC_IDLE
027029: *Sep 24 12:43:26.390:
   //24/006E38C40300/H323/h245_iwf_build_olc_temp_channel_array:
   tempChannelArray=0x860420C0
027030: *Sep 24 12:43:26.394: //24/006E38C40300/H323/h245_iwf_validate_olc:
   ch=1 non-besteffort=0 sync=0 is_ipip=1, nonsync_rsvp=0
027031: *Sep 24 12:43:26.394: //24/006E38C40300/H323/h245_iwf_validate_olc:
   chanNum 1 BW tx:rx(640:640) is not a passthru channel
027032: *Sep 24 12:43:26.394:
   //24/006E38C40300/H323/cch323_selected_codec_req_more_bw:
   BW approved=7680 inuse=1280
027033: *Sep 24 12:43:26.394: //24/006E38C40300/H323/estIndOlcIdle:
   Sending olc ind trigger to peer side
027034: *Sep 24 12:43:26.394: //24/006E38C40300/H323/cch323_do_open_channel_ind:
   Sending event CC_EV_H245_OPEN_CHANNEL_IND, channelInfo pointer 0x860420C0
027035: *Sep 24 12:43:26.394: //24/006E38C40300/CCAPI/cc_api_event_indication:
   Event=141, Call Id=24
027036: *Sep 24 12:43:26.394: //24/006E38C40300/CCAPI/cc_api_event_indication:
   Event Is Sent To Conferenced SPI(s) Directly
027037: *Sep 24 12:43:26.394: //-1/xxxxxxxxxxxx/H323/cch245_event_handler:
   callID=23
027038: *Sep 24 12:43:26.394: //-1/xxxxxxxxxxxx/H323/cch245_event_handler:
   Event CC_EV_H245_OPEN_CHANNEL_IND received, channelInfo ptr 0x860420C0
027039: *Sep 24 12:43:26.398: //-1/xxxxxxxxxxxx/H323/cch323_open_channel_ind:
   Entry, callID=23
027040: *Sep 24 12:43:26.398: //24/006E38C40300/H323/h245_iwf_set_new_state:
   changing from IWF_OLC_IDLE state to IWF_OLC_AWAIT_PEER_ACK state
027041: *Sep 24 12:43:26.398: //23/006E38C40300/H323/cch323_peer_channel_ind:
   chn info coming in chn_ind()
027042: *Sep 24 12:43:26.398: //23/006E38C40300/H323/cch323_peer_channel_ind:
   Giving event to SLOW start logic: 1
027043: *Sep 24 12:43:26.398: //23/006E38C40300/H323/cch323_peer_channel_ind:
   chan_type 1, chan_num 1
027044: *Sep 24 12:43:26.398: //23/006E38C40300/H323/cch323_h245_get_olc_instance:
   Using existing OLC instance
027045: *Sep 24 12:43:26.398: //23/006E38C40300/H323/run_h245_iwf_sm:
   received IWF_EV_PEER_CHN_IND while at state IWF_OLC_IDLE
027046: *Sep 24 12:43:26.398:
   //23/006E38C40300/H323/cch323_selected_codec_req_more_bw:
   BW approved=7680 inuse=1280
027047: *Sep 24 12:43:26.402: //23/006E38C40300/H323/h245_olc_out_sm:
   Received H245_EV_OLC_EST_REQ while at state H245_OLC_OUT_STATE_IDLE
027048: *Sep 24 12:43:26.402: //23/006E38C40300/H323/h245_olc_out_set_new_state:
   Changing from H245_OLC_OUT_STATE_IDLE state to H245_OLC_OUT_STATE_AWAIT_EST state
027049: *Sep 24 12:43:26.402: //23/006E38C40300/H323/estReqOutIdle:
   lcl chn codec = 0x5, codec_bytes = 160
027050: *Sep 24 12:43:26.402: //23/006E38C40300/H323/cch323_send_olc_passthru:
   ccb channel 1
027051: *Sep 24 12:43:26.402: //23/006E38C40300/H323/cch323_send_olc_passthru:
   Use the flow thru address
027052: *Sep 24 12:43:26.402: H245 MSC OUTGOING PDU ::=

value MultimediaSystemControlMessage ::= request : openLogicalChannel :
    {
      forwardLogicalChannelNumber 1
      forwardLogicalChannelParameters
      {
        dataType audioData : g711Ulaw64k : 20
        multiplexParameters h2250LogicalChannelParameters :
        {
          sessionID 1
          mediaControlChannel unicastAddress : iPAddress :
          {
            network '0E017B5F'H
```

```
            tsapIdentifier 19497
          }
          silenceSuppression FALSE
        }
      }
    }



027053: *Sep 24 12:43:26.410: H245 MSC OUTGOING ENCODE BUFFER::=
   030000000C6013800B050001000E017B5F4C2900
027054: *Sep 24 12:43:26.410:
027055: *Sep 24 12:43:26.410: //23/006E38C40300/H323/cch323_send_olc_passthru:
   Sent OLC in passthru mode: retcode 0
027056: *Sep 24 12:43:26.410: //23/006E38C40300/H323/h245_iwf_set_new_state:
   changing from IWF_OLC_IDLE state to IWF_OLC_AWAIT_EST_CFM state
027057: *Sep 24 12:43:26.450: h323chan_chn_process_read_socket
027058: *Sep 24 12:43:26.450: h323chan_chn_process_read_socket:
   fd=6 of type ACCEPTED has data
027059: *Sep 24 12:43:26.454:  h323chan_chn_process_read_socket:
   h323chan accepted/connected fd=6

027060: *Sep 24 12:43:26.454: h245_decode_one_pdu:
   more_pdus = 0, bytesLeftToDecode = 20
027061: *Sep 24 12:43:26.454: H245 MSC INCOMING ENCODE BUFFER::=
   030000000C6013800B050001000E32C911402300
027062: *Sep 24 12:43:26.454:
027063: *Sep 24 12:43:26.454: H245 MSC INCOMING PDU ::=

value MultimediaSystemControlMessage ::= request : openLogicalChannel :
    {
      forwardLogicalChannelNumber 1
      forwardLogicalChannelParameters
      {
        dataType audioData : g711Ulaw64k : 20
        multiplexParameters h2250LogicalChannelParameters :
        {
          sessionID 1
          mediaControlChannel unicastAddress : iPAddress :
          {
            network '0E32C911'H
            tsapIdentifier 16419
          }
          silenceSuppression FALSE
        }
      }
    }



027064: *Sep 24 12:43:26.462: h245_decode_one_pdu:
   H245ASNDecodePdu rc = 0, bytesLeftToDecode = 0
027065: *Sep 24 12:43:26.462: h245_decode_one_pdu:
   Read Pkt body: more_pdus:0 rc:0 asn_rc:0
027066: *Sep 24 12:43:26.462: //23/006E38C40300/H323/cch323_h245_uchan_ind:
   chan_type 1: chan_num 1
027067: *Sep 24 12:43:26.462:
   //23/006E38C40300/H323/cch323_h245_find_r_allocate_olc_instance:
   Using existing OLC instance
027068: *Sep 24 12:43:26.462: //23/006E38C40300/H323/cch323_h245_uchan_ind:
   channel_number: 1
027069: *Sep 24 12:43:26.462: //23/006E38C40300/H323/cch323_h245_uchan_ind:
   h245_rport_tx using RTCP port
027070: *Sep 24 12:43:26.462: //23/006E38C40300/H323/h245_olc_in_sm:
```

```
   Received H245_EV_OLC_IND while at state H245_OLC_IN_STATE_IDLE
027071: *Sep 24 12:43:26.462: //23/006E38C40300/H323/h245_olc_in_set_new_state:
   Changing from H245_OLC_IN_STATE_IDLE state to H245_OLC_IN_STATE_AWAIT_EST state
027072: *Sep 24 12:43:26.466: //23/006E38C40300/H323/run_h245_iwf_sm:
   received IWF_EV_OLC_EST_IND while at state IWF_OLC_AWAIT_EST_CFM
027073: *Sep 24 12:43:26.466:
   //23/006E38C40300/H323/h245_iwf_build_olc_temp_channel_array:
   tempChannelArray=0x86041CD0
027074: *Sep 24 12:43:26.466: //23/006E38C40300/H323/h245_iwf_validate_olc:
   ch=1 non-besteffort=0 sync=0 is_ipip=1, nonsync_rsvp=0
027075: *Sep 24 12:43:26.466: //23/006E38C40300/H323/h245_iwf_validate_olc:
   chanNum 1 BW tx:rx(640:640) is not a passthru channel
027076: *Sep 24 12:43:26.466: //23/006E38C40300/H323/cch323_do_open_channel_ind:
   Sending event CC_EV_H245_OPEN_CHANNEL_IND, channelInfo pointer 0x86041CD0
027077: *Sep 24 12:43:26.466: //23/006E38C40300/CCAPI/cc_api_event_indication:
   Event=141, Call Id=23
027078: *Sep 24 12:43:26.466: //23/006E38C40300/CCAPI/cc_api_event_indication:
   Event Is Sent To Conferenced SPI(s) Directly
027079: *Sep 24 12:43:26.466: //-1/xxxxxxxxxxxx/H323/cch245_event_handler:
   callID=24
027080: *Sep 24 12:43:26.470: //-1/xxxxxxxxxxxx/H323/cch245_event_handler:
   Event CC_EV_H245_OPEN_CHANNEL_IND received, channelInfo ptr 0x86041CD0
027081: *Sep 24 12:43:26.470: //-1/xxxxxxxxxxxx/H323/cch323_open_channel_ind:
   Entry, callID=24
027082: *Sep 24 12:43:26.470:
   //23/006E38C40300/H323/cch323_selected_codec_req_more_bw:
   BW approved=7680 inuse=1280
027083: *Sep 24 12:43:26.470: //23/006E38C40300/H323/h245_iwf_set_new_state:
   changing from IWF_OLC_AWAIT_EST_CFM state to IWF_OLC_AWAIT_EST_CFM_PEER_ACK state
027084: *Sep 24 12:43:26.470: //24/006E38C40300/H323/cch323_peer_channel_ind:
   chn info coming in chn_ind()
027085: *Sep 24 12:43:26.470: //24/006E38C40300/H323/cch323_peer_channel_ind:
   Giving event to SLOW start logic: 0
027086: *Sep 24 12:43:26.470: //24/006E38C40300/H323/cch323_peer_channel_ind:
   chan_type 1, chan_num 1
027087: *Sep 24 12:43:26.474: //24/006E38C40300/H323/cch323_h245_get_olc_instance:
   Using existing OLC instance
027088: *Sep 24 12:43:26.474: //24/006E38C40300/H323/run_h245_iwf_sm:
   received IWF_EV_PEER_CHN_IND while at state IWF_OLC_AWAIT_PEER_ACK
027089: *Sep 24 12:43:26.474:
   //24/006E38C40300/H323/cch323_selected_codec_req_more_bw:
   BW approved=7680 inuse=1280
027090: *Sep 24 12:43:26.474: //24/006E38C40300/H323/h245_olc_out_sm:
   Received H245_EV_OLC_EST_REQ while at state H245_OLC_OUT_STATE_IDLE
027091: *Sep 24 12:43:26.474: //24/006E38C40300/H323/h245_olc_out_set_new_state:
   Changing from H245_OLC_OUT_STATE_IDLE state to H245_OLC_OUT_STATE_AWAIT_EST state
027092: *Sep 24 12:43:26.474: //24/006E38C40300/H323/estReqOutIdle:
   lcl chn codec = 0x5, codec_bytes = 160
027093: *Sep 24 12:43:26.474: //24/006E38C40300/H323/cch323_send_olc_passthru:
   ccb channel 1
027094: *Sep 24 12:43:26.474: //24/006E38C40300/H323/cch323_send_olc_passthru:
   Use the flow thru address
027095: *Sep 24 12:43:26.474: H245 MSC OUTGOING PDU ::=

value MultimediaSystemControlMessage ::= request : openLogicalChannel :
    {
      forwardLogicalChannelNumber 1
      forwardLogicalChannelParameters
      {
        dataType audioData : g711Ulaw64k : 20
        multiplexParameters h2250LogicalChannelParameters :
        {
          sessionID 1
          mediaControlChannel unicastAddress : iPAddress :
```

```
          {
            network '0E017B5F'H
            tsapIdentifier 16773
          }
          silenceSuppression FALSE
        }
      }
    }



027096: *Sep 24 12:43:26.482: H245 MSC OUTGOING ENCODE BUFFER::=
   030000000C6013800B050001000E017B5F418500
027097: *Sep 24 12:43:26.482:
027098: *Sep 24 12:43:26.486: //24/006E38C40300/H323/cch323_send_olc_passthru:
   Sent OLC in passthru mode: retcode 0
027099: *Sep 24 12:43:26.486: //24/006E38C40300/H323/h245_iwf_set_new_state:
   changing from IWF_OLC_AWAIT_PEER_ACK state to IWF_OLC_AWAIT_EST_CFM_PEER_ACK state
027100: *Sep 24 12:43:26.486: h323chan_chn_process_read_socket
027101: *Sep 24 12:43:26.486: h323chan_chn_process_read_socket:
   fd=6 of type ACCEPTED has data
027102: *Sep 24 12:43:26.486:  h323chan_chn_process_read_socket:
   h323chan accepted/connected fd=6

027103: *Sep 24 12:43:26.486: h245_decode_one_pdu: more_pdus =
   0, bytesLeftToDecode = 28
027104: *Sep 24 12:43:26.486: H245 MSC INCOMING ENCODE BUFFER::=
   0300000108E400800C7F0070400100800B050002000E32C9114B8500
027105: *Sep 24 12:43:26.486:
027106: *Sep 24 12:43:26.490: H245 MSC INCOMING PDU ::=

value MultimediaSystemControlMessage ::= request : openLogicalChannel :
    {
      forwardLogicalChannelNumber 2
      forwardLogicalChannelParameters
      {
        dataType videoData : h263VideoCapability :
        {
          cifMPI 1
          maxBitRate 3200
          unrestrictedVector FALSE
          arithmeticCoding FALSE
          advancedPrediction FALSE
          pbFrames FALSE
          temporalSpatialTradeOffCapability FALSE
          errorCompensation FALSE
        }
        multiplexParameters h2250LogicalChannelParameters :
        {
          sessionID 2
          mediaControlChannel unicastAddress : iPAddress :
          {
            network '0E32C911'H
            tsapIdentifier 19333
          }
          silenceSuppression FALSE
        }
      }
    }



027107: *Sep 24 12:43:26.498: h245_decode_one_pdu:
   H245ASNDecodePdu rc = 0, bytesLeftToDecode = 0
```

```
027108: *Sep 24 12:43:26.498: h245_decode_one_pdu:
   Read Pkt body: more_pdus:0 rc:0 asn_rc:0
027109: *Sep 24 12:43:26.498: //23/006E38C40300/H323/cch323_h245_uchan_ind:
   chan_type 2: chan_num 2
027110: *Sep 24 12:43:26.498:
   //23/006E38C40300/H323/cch323_h245_find_r_allocate_olc_instance:
   Allocated new OLC instance
027111: *Sep 24 12:43:26.498: //23/006E38C40300/H323/cch323_h245_uchan_ind:
   channel_number: 2
027112: *Sep 24 12:43:26.498: //23/006E38C40300/H323/cch323_h245_uchan_ind:
   h245_rport_tx using RTCP port
027113: *Sep 24 12:43:26.498: //23/006E38C40300/H323/h245_olc_in_sm:
   Received H245_EV_OLC_IND while at state H245_OLC_IN_STATE_IDLE
027114: *Sep 24 12:43:26.498: //23/006E38C40300/H323/h245_olc_in_set_new_state:
   Changing from H245_OLC_IN_STATE_IDLE state to H245_OLC_IN_STATE_AWAIT_EST state
027115: *Sep 24 12:43:26.502: //23/006E38C40300/H323/run_h245_iwf_sm:
   received IWF_EV_OLC_EST_IND while at state IWF_OLC_IDLE
027116: *Sep 24 12:43:26.502:
   //23/006E38C40300/H323/h245_iwf_build_olc_temp_channel_array:
   tempChannelArray=0x86041E80
027117: *Sep 24 12:43:26.502: //23/006E38C40300/H323/h245_iwf_validate_olc:
   ch=2 non-besteffort=0 sync=0 is_ipip=1, nonsync_rsvp=0
027118: *Sep 24 12:43:26.502: //23/006E38C40300/H323/h245_iwf_validate_olc:
   chanNum 2 BW tx:rx(3200:3200) is a passthru channel; olc=0x8482AA7C,
   peer_chn_num=0, TchnArray=0x86041E80, PchnArray=0x0
027119: *Sep 24 12:43:26.502:
   //23/006E38C40300/H323/cch323_selected_codec_req_more_bw:
   BW approved=7680 inuse=7680
027120: *Sep 24 12:43:26.502: //23/006E38C40300/H323/estIndOlcIdle:
   Sending olc ind trigger to peer side
027121: *Sep 24 12:43:26.502: //23/006E38C40300/H323/cch323_do_open_channel_ind:
   Sending event CC_EV_H245_OPEN_CHANNEL_IND, channelInfo pointer 0x86041E80
027122: *Sep 24 12:43:26.502: //23/006E38C40300/CCAPI/cc_api_event_indication:
   Event=141, Call Id=23
027123: *Sep 24 12:43:26.506: //23/006E38C40300/CCAPI/cc_api_event_indication:
   Event Is Sent To Conferenced SPI(s) Directly
027124: *Sep 24 12:43:26.506: //-1/xxxxxxxxxxxx/H323/cch245_event_handler:
   callID=24
027125: *Sep 24 12:43:26.506: //-1/xxxxxxxxxxxx/H323/cch245_event_handler:
   Event CC_EV_H245_OPEN_CHANNEL_IND received, channelInfo ptr 0x86041E80
027126: *Sep 24 12:43:26.506: //-1/xxxxxxxxxxxx/H323/cch323_open_channel_ind:
   Entry, callID=24
027127: *Sep 24 12:43:26.506: //23/006E38C40300/H323/h245_iwf_set_new_state:
   changing from IWF_OLC_IDLE state to IWF_OLC_AWAIT_PEER_ACK state
027128: *Sep 24 12:43:26.510: //24/006E38C40300/H323/cch323_peer_channel_ind:
   chn info coming in chn_ind()
027129: *Sep 24 12:43:26.510: //24/006E38C40300/H323/cch323_peer_channel_ind:
   Giving event to SLOW start logic: 0
027130: *Sep 24 12:43:26.510: //24/006E38C40300/H323/cch323_peer_channel_ind:
   chan_type 2, chan_num 2
027131: *Sep 24 12:43:26.510: //24/006E38C40300/H323/cch323_h245_get_olc_instance:
   Allocated new OLC instance
027132: *Sep 24 12:43:26.510: //24/006E38C40300/H323/run_h245_iwf_sm:
   received IWF_EV_PEER_CHN_IND while at state IWF_OLC_IDLE
027133: *Sep 24 12:43:26.510:
   //24/006E38C40300/H323/cch323_selected_codec_req_more_bw:
   BW approved=7680 inuse=7680
027134: *Sep 24 12:43:26.510: //24/006E38C40300/H323/h245_olc_out_sm:
   Received H245_EV_OLC_EST_REQ while at state H245_OLC_OUT_STATE_IDLE
027135: *Sep 24 12:43:26.514: //24/006E38C40300/H323/h245_olc_out_set_new_state:
   Changing from H245_OLC_OUT_STATE_IDLE state to H245_OLC_OUT_STATE_AWAIT_EST state
027136: *Sep 24 12:43:26.514: //24/006E38C40300/H323/cch323_send_olc_passthru:
   ccb channel 2
027137: *Sep 24 12:43:26.514: //24/006E38C40300/H323/cch323_send_olc_passthru:
```

```
   Use the flow thru address
027138: *Sep 24 12:43:26.514: H245 MSC OUTGOING PDU ::=

value MultimediaSystemControlMessage ::= request : openLogicalChannel :
    {
      forwardLogicalChannelNumber 2
      forwardLogicalChannelParameters
      {
        dataType videoData : h263VideoCapability :
        {
          cifMPI 1
          maxBitRate 3200
          unrestrictedVector FALSE
          arithmeticCoding FALSE
          advancedPrediction FALSE
          pbFrames FALSE
          temporalSpatialTradeOffCapability FALSE
          errorCompensation FALSE
        }
        multiplexParameters h2250LogicalChannelParameters :
        {
          sessionID 2
          mediaControlChannel unicastAddress : iPAddress :
          {
            network '0E017B5F'H
            tsapIdentifier 17339
          }
          silenceSuppression FALSE
        }
      }
    }



027139: *Sep 24 12:43:26.522: H245 MSC OUTGOING ENCODE BUFFER::=
   0300000108E400800C7F0070400100800B050002000E017B5F43BB00
027140: *Sep 24 12:43:26.522:
027141: *Sep 24 12:43:26.526: //24/006E38C40300/H323/cch323_send_olc_passthru:
   Sent OLC in passthru mode: retcode 0
027142: *Sep 24 12:43:26.526: //24/006E38C40300/H323/h245_iwf_set_new_state:
   changing from IWF_OLC_IDLE state to IWF_OLC_AWAIT_EST_CFM state
027143: *Sep 24 12:43:26.526: h323chan_chn_process_read_socket
027144: *Sep 24 12:43:26.526: h323chan_chn_process_read_socket:
   fd=7 of type CONNECTED has data
027145: *Sep 24 12:43:26.526:  h323chan_chn_process_read_socket:
   h323chan accepted/connected fd=7

027146: *Sep 24 12:43:26.526: h245_decode_one_pdu:
   more_pdus = 0, bytesLeftToDecode = 26
027147: *Sep 24 12:43:26.526: H245 MSC INCOMING ENCODE BUFFER::=
   22C000000680134C000E017D7D4208000E017D7D420903000100
027148: *Sep 24 12:43:26.526:
027149: *Sep 24 12:43:26.530: H245 MSC INCOMING PDU ::=

value MultimediaSystemControlMessage ::= response : openLogicalChannelAck :
    {
      forwardLogicalChannelNumber 1
      forwardMultiplexAckParameters h2250LogicalChannelAckParameters :
      {
        mediaChannel unicastAddress : iPAddress :
        {
          network '0E017D7D'H
          tsapIdentifier 16904
        }
```

```
        mediaControlChannel unicastAddress : iPAddress :
        {
          network '0E017D7D'H
          tsapIdentifier 16905
        }
        flowControlToZero FALSE
      }
    }



027150: *Sep 24 12:43:26.534: h245_decode_one_pdu:
   H245ASNDecodePdu rc = 0, bytesLeftToDecode = 0
027151: *Sep 24 12:43:26.534: h245_decode_one_pdu:
   Read Pkt body: more_pdus:0 rc:0 asn_rc:0
027152: *Sep 24 12:43:26.534: //24/006E38C40300/H323/cch323_get_olc_ack_instance:
   Received OLC_ACK1 msg olc[1] ccb olc[1]
027153: *Sep 24 12:43:26.538: //24/006E38C40300/H323/h245_olc_out_sm:
   Received H245_EV_OLC_CFM while at state H245_OLC_OUT_STATE_AWAIT_EST
027154: *Sep 24 12:43:26.538: //24/006E38C40300/H323/h245_olc_out_set_new_state:
   Changing from H245_OLC_OUT_STATE_AWAIT_EST state to H245_OLC_OUT_STATE_ESTABLISHED state
027155: *Sep 24 12:43:26.538: //24/006E38C40300/H323/run_h245_iwf_sm:
   received IWF_EV_OLC_EST_CFM while at state IWF_OLC_AWAIT_EST_CFM_PEER_ACK
027156: *Sep 24 12:43:26.538:
   //24/006E38C40300/H323/h245_iwf_request_rsvp_on_olc_ack:
   ch=1 non-bestEffort=0 sync=0 is_ipip=1, nonsync_rsvp=0
027157: *Sep 24 12:43:26.538:
   //24/006E38C40300/H323/h245_iwf_request_rsvp_on_olc_ack:
   qos_mod_used=0, callType=1, do_rsvp=0, flowMode=1
027158: *Sep 24 12:43:26.538: //24/006E38C40300/H323/estCfmAwaitEstCfmPeerAck:
   Sending olc ack trigger to peer side
027159: *Sep 24 12:43:26.542: //-1/xxxxxxxxxxxx/H323/cch323_do_open_channel_ack:
   callID=24, sending event CC_EV_H245_OPEN_CHANNEL_ACK,
   peer channel pointer 0x86041CD0
027160: *Sep 24 12:43:26.542: //24/006E38C40300/CCAPI/cc_api_event_indication:
   Event=142, Call Id=24
027161: *Sep 24 12:43:26.542: //24/006E38C40300/CCAPI/cc_api_event_indication:
   Event Is Sent To Conferenced SPI(s) Directly
027162: *Sep 24 12:43:26.542: //-1/xxxxxxxxxxxx/H323/cch245_event_handler:
   callID=23
027163: *Sep 24 12:43:26.542: //-1/xxxxxxxxxxxx/H323/cch245_event_handler:
   Event CC_EV_H245_OPEN_CHANNEL_ACK received, channelInfo ptr 0x86041CD0
027164: *Sep 24 12:43:26.542: //-1/xxxxxxxxxxxx/H323/cch323_open_channel_ack:
   callID=23, Channel info: codec=5 rtp=16904 rtcp=16905 aadr=0xE017D7D
027165: *Sep 24 12:43:26.542: //24/006E38C40300/H323/h245_iwf_set_new_state:
   changing from IWF_OLC_AWAIT_EST_CFM_PEER_ACK state to
   IWF_OLC_OUTDONE_AWAIT_PEER_ACK state
027166: *Sep 24 12:43:26.542: h323chan_chn_process_read_socket
027167: *Sep 24 12:43:26.542: h323chan_chn_process_read_socket:
   fd=7 of type CONNECTED has data
027168: *Sep 24 12:43:26.542:  h323chan_chn_process_read_socket:
   h323chan accepted/connected fd=7

027169: *Sep 24 12:43:26.546: h245_decode_one_pdu:
   more_pdus = 0, bytesLeftToDecode = 27
027170: *Sep 24 12:43:26.546: H245 MSC INCOMING ENCODE BUFFER::=
   0300000108E400800EFF0070400100800A040002000E017D7D4349
027171: *Sep 24 12:43:26.546:
027172: *Sep 24 12:43:26.546: H245 MSC INCOMING PDU ::=

value MultimediaSystemControlMessage ::= request : openLogicalChannel :
    {
      forwardLogicalChannelNumber 2
      forwardLogicalChannelParameters
```

```
      {
        dataType videoData : h263VideoCapability :
        {
          cifMPI 1
          maxBitRate 3840
          unrestrictedVector FALSE
          arithmeticCoding FALSE
          advancedPrediction FALSE
          pbFrames FALSE
          temporalSpatialTradeOffCapability FALSE
          errorCompensation FALSE
        }
        multiplexParameters h2250LogicalChannelParameters :
        {
          sessionID 2
          mediaControlChannel unicastAddress : iPAddress :
          {
            network '0E017D7D'H
            tsapIdentifier 17225
          }
        }
      }
    }
```

```
027173: *Sep 24 12:43:26.554: h245_decode_one_pdu:
   H245ASNDecodePdu rc = 0, bytesLeftToDecode = 0
027174: *Sep 24 12:43:26.554: h245_decode_one_pdu: Read Pkt body:
   more_pdus:0 rc:0 asn_rc:0
027175: *Sep 24 12:43:26.554: //24/006E38C40300/H323/cch323_h245_uchan_ind:
   chan_type 2: chan_num 2
027176: *Sep 24 12:43:26.554:
   //24/006E38C40300/H323/cch323_h245_find_r_allocate_olc_instance:
   Using existing OLC instance
027177: *Sep 24 12:43:26.554: //24/006E38C40300/H323/cch323_h245_uchan_ind:
   channel_number: 2
027178: *Sep 24 12:43:26.554: //24/006E38C40300/H323/cch323_h245_uchan_ind:
   h245_rport_tx using RTCP port
027179: *Sep 24 12:43:26.554: //24/006E38C40300/H323/h245_olc_in_sm:
   Received H245_EV_OLC_IND while at state H245_OLC_IN_STATE_IDLE
027180: *Sep 24 12:43:26.554: //24/006E38C40300/H323/h245_olc_in_set_new_state:
   Changing from H245_OLC_IN_STATE_IDLE state to H245_OLC_IN_STATE_AWAIT_EST state
027181: *Sep 24 12:43:26.558: //24/006E38C40300/H323/run_h245_iwf_sm:
   received IWF_EV_OLC_EST_IND while at state IWF_OLC_AWAIT_EST_CFM
027182: *Sep 24 12:43:26.558:
   //24/006E38C40300/H323/h245_iwf_build_olc_temp_channel_array:
   tempChannelArray=0x86042150
027183: *Sep 24 12:43:26.558: //24/006E38C40300/H323/h245_iwf_validate_olc:
   ch=2 non-besteffort=0 sync=0 is_ipip=1, nonsync_rsvp=0
027184: *Sep 24 12:43:26.558: //24/006E38C40300/H323/h245_iwf_validate_olc:
   chanNum 2 BW tx:rx(3200:3840) is a passthru channel; olc=0x852F67E8,
   peer_chn_num=2, TchnArray=0x86042150, PchnArray=0x86041E80
027185: *Sep 24 12:43:26.558: //24/006E38C40300/H323/cch323_do_open_channel_ind:
   Sending event CC_EV_H245_OPEN_CHANNEL_IND, channelInfo pointer 0x86042150
027186: *Sep 24 12:43:26.558: //24/006E38C40300/CCAPI/cc_api_event_indication:
   Event=141, Call Id=24
027187: *Sep 24 12:43:26.558: //24/006E38C40300/CCAPI/cc_api_event_indication:
   Event Is Sent To Conferenced SPI(s) Directly
027188: *Sep 24 12:43:26.562: //-1/xxxxxxxxxxxx/H323/cch245_event_handler:
   callID=23
027189: *Sep 24 12:43:26.562: //-1/xxxxxxxxxxxx/H323/cch245_event_handler:
   Event CC_EV_H245_OPEN_CHANNEL_IND received, channelInfo ptr 0x86042150
027190: *Sep 24 12:43:26.562: //-1/xxxxxxxxxxxx/H323/cch323_open_channel_ind:
```

```
   Entry, callID=23
027191: *Sep 24 12:43:26.562:
   //24/006E38C40300/H323/cch323_selected_codec_req_more_bw:
   BW approved=7680 inuse=8320
027192: *Sep 24 12:43:26.562: //24/006E38C40300/H323/estIndAwaitEstCfm:
   Send BRQ for call 8572F6C4
027193: *Sep 24 12:43:26.562: //24/006E38C40300/H323/h245_iwf_set_new_state:
   changing from IWF_OLC_AWAIT_EST_CFM state to
   IWF_OLC_IN_AWAIT_BCF_EST_CFM_PEER_ACK state
027194: *Sep 24 12:43:26.562: RAS OUTGOING PDU ::=

value RasMessage ::= bandwidthRequest :
    {
      requestSeqNum 4355
      endpointIdentifier {"8591ED9400000001"}
      conferenceID '006E38C43570518C030003010E32CA1F'H
      callReferenceValue 16
      bandWidth 8320
      callIdentifier
      {
        guid '006E38C43570518C030003010E32CA1F'H
      }
      answeredCall FALSE
    }



027195: *Sep 24 12:43:26.566: RAS OUTGOING ENCODE BUFFER::= 320011021E003800350039
   0031004500440039003400300030003000300030003000300031006E38C43570518C030003010E32
   CA1F00104020801508001100006E38C43570518C030003010E32CA1F0100
027196: *Sep 24 12:43:26.570: h323chan_dgram_send:Sent UDP msg. Bytes sent:
   81 to 14.1.123.95:1719 fd=2

027197: *Sep 24 12:43:26.570: RASLib::GW_RASSendBRQ: BRQ (seq# 4355) sent to
   14.1.123.95
027198: *Sep 24 12:43:26.574: //xxxxxxxxxxxx/xxxxxxxxxxxx/GK/gk_process:
   QUEUE_EVENT (minor 0) wakeup
027199: *Sep 24 12:43:26.574:  RecvUDP_IPSockData  successfully rcvd message of
   length 81 from 14.1.123.95:64422
027200: *Sep 24 12:43:26.574: RAS INCOMING ENCODE BUFFER::= 320011021E0038003500
   3900310045004400390034003000300030003000300030003000300031006E38C43570518C030003010E
   32CA1F00104020801508001100006E38C43570518C030003010E32CA1F0100
027201: *Sep 24 12:43:26.574:
027202: *Sep 24 12:43:26.578: RAS INCOMING PDU ::=

value RasMessage ::= bandwidthRequest :
    {
      requestSeqNum 4355
      endpointIdentifier {"8591ED9400000001"}
      conferenceID '006E38C43570518C030003010E32CA1F'H
      callReferenceValue 16
      bandWidth 8320
      callIdentifier
      {
        guid '006E38C43570518C030003010E32CA1F'H
      }
      answeredCall FALSE
    }



027203: *Sep 24 12:43:26.582: BRQ (seq# 4355) rcvd
027204: *Sep 24 12:43:26.582: //xxxxxxxxxxxx/xxxxxxxxxxxx/GK/gk_rassrv_brq:
   state = 0xF
```

```
027205: *Sep 24 12:43:26.582: //xxxxxxxxxxxx/xxxxxxxxxxxx/GK/gk_rassrv_brq:
   brqp=0x852FFA80, crv=0x10, bandWidth=8320
027206: *Sep 24 12:43:26.582: //xxxxxxxxxxxx/xxxxxxxxxxxx/GK/gk_call_find_crv:
   endptp=0x8591ED94, crv=16:
027207: *Sep 24 12:43:26.582: //006E38C40300/006E38C40300/GK/gk_call_find_crv:
   crv is SEP
027208: *Sep 24 12:43:26.582: RAS OUTGOING PDU ::=

value RasMessage ::= bandwidthConfirm :
    {
      requestSeqNum 4355
      bandWidth 8320
    }



027209: *Sep 24 12:43:26.586: RAS OUTGOING ENCODE BUFFER::= 341102402080
027210: *Sep 24 12:43:26.586:
027211: *Sep 24 12:43:26.586:  IPSOCK_RAS_sendto:   msg length 6 from
   14.1.123.95:1719 to 14.1.123.95: 64422
027212: *Sep 24 12:43:26.586:       RASLib::RASSendBCF: BCF (seq# 4355) sent to
   14.1.123.95
027213: *Sep 24 12:43:26.586: //23/006E38C40300/H323/cch323_peer_channel_ack:
   Will send peer chn ack to IWF sm
027214: *Sep 24 12:43:26.586: //23/006E38C40300/H323/run_h245_iwf_sm:
   received IWF_EV_PEER_CHN_ACK while at state IWF_OLC_AWAIT_EST_CFM_PEER_ACK
027215: *Sep 24 12:43:26.590: //23/006E38C40300/H323/h245_olc_in_sm:
   Received H245_EV_OLC_EST_RESP while at state H245_OLC_IN_STATE_AWAIT_EST
027216: *Sep 24 12:43:26.590: H245 MSC OUTGOING PDU ::=

value MultimediaSystemControlMessage ::= response : openLogicalChannelAck :
    {
      forwardLogicalChannelNumber 1
      forwardMultiplexAckParameters h2250LogicalChannelAckParameters :
      {
        mediaChannel unicastAddress : iPAddress :
        {
          network '0E017B5F'H
          tsapIdentifier 19496
        }
        mediaControlChannel unicastAddress : iPAddress :
        {
          network '0E017B5F'H
          tsapIdentifier 19497
        }
        flowControlToZero FALSE
      }
    }



027217: *Sep 24 12:43:26.594: H245 MSC OUTGOING ENCODE BUFFER::= 22C000000480134
   C000E017B5F4C28000E017B5F4C2903000100
027218: *Sep 24 12:43:26.594:
027219: *Sep 24 12:43:26.598: //23/006E38C40300/H323/cch323_send_open_channel_ack:
   Send OLC Ack in passthru mode: retcode 0
027220: *Sep 24 12:43:26.598: //23/006E38C40300/H323/h245_olc_in_set_new_state:
   Changing from H245_OLC_IN_STATE_AWAIT_EST state to H245_OLC_IN_STATE_ESTABLISHED state
027221: *Sep 24 12:43:26.598: //23/006E38C40300/H323/h245_iwf_set_new_state:
   changing from IWF_OLC_AWAIT_EST_CFM_PEER_ACK state to IWF_OLC_INDONE_AWAIT_EST_CFM state
027222: *Sep 24 12:43:26.598: //23/006E38C40300/H323/cch323_peer_channel_ind:
   chn info coming in chn_ind()
027223: *Sep 24 12:43:26.598: //23/006E38C40300/H323/cch323_peer_channel_ind:
   Giving event to SLOW start logic: 1
```

```
027224: *Sep 24 12:43:26.598: //23/006E38C40300/H323/cch323_peer_channel_ind:
   chan_type 2, chan_num 2
027225: *Sep 24 12:43:26.598: //23/006E38C40300/H323/cch323_h245_get_olc_instance:
   Using existing OLC instance
027226: *Sep 24 12:43:26.598: //23/006E38C40300/H323/run_h245_iwf_sm:
   received IWF_EV_PEER_CHN_IND while at state IWF_OLC_AWAIT_PEER_ACK
027227: *Sep 24 12:43:26.602:
   //23/006E38C40300/H323/cch323_selected_codec_req_more_bw:
   BW approved=7680 inuse=8320
027228: *Sep 24 12:43:26.602: //23/006E38C40300/H323/peerChnIndAwaitPeerAck:
   Send BRQ for call 83D7D3D4
027229: *Sep 24 12:43:26.602: //23/006E38C40300/H323/h245_iwf_set_new_state:
   changing from IWF_OLC_AWAIT_PEER_ACK state
   to IWF_OLC_OUT_AWAIT_BCF_PEER_ACK state
027230: *Sep 24 12:43:26.602: RAS OUTGOING PDU ::=

value RasMessage ::= bandwidthRequest :
    {
      requestSeqNum 4356
      endpointIdentifier {"8591ED9400000001"}
      conferenceID '006E38C43570518C030003010E32CA1F'H
      callReferenceValue 15
      bandWidth 8320
      callIdentifier
      {
        guid '006E38C43570518C030003010E32CA1F'H
      }
      answeredCall TRUE
    }



027231: *Sep 24 12:43:26.606: RAS OUTGOING ENCODE BUFFER::= 320011031E00380035
   00390031004500440039003400300030003000300030003000300031006E38C43570518C030003
   010E32CA1F000F402080150800110000 6E38C43570518C030003010E32CA1F0180
027232: *Sep 24 12:43:26.606: h323chan_dgram_send:Sent UDP msg. Bytes sent:
   81 to 14.1.123.95:1719 fd=2

027233: *Sep 24 12:43:26.610: RASLib::GW_RASSendBRQ: BRQ (seq# 4356) sent to
   14.1.123.95
027234: *Sep 24 12:43:26.610: h323chan_chn_process_read_socket
027235: *Sep 24 12:43:26.610: h323chan_chn_process_read_socket: fd=7 of type
   CONNECTED has data
027236: *Sep 24 12:43:26.610:  h323chan_chn_process_read_socket: h323chan
   accepted/connected fd=7

027237: *Sep 24 12:43:26.610: h245_decode_one_pdu:
   more_pdus = 0, bytesLeftToDecode = 26
027238: *Sep 24 12:43:26.610: H245 MSC INCOMING ENCODE BUFFER::= 22C000010680134
   C000E017D7D4348000E017D7D434903000100
027239: *Sep 24 12:43:26.610:
027240: *Sep 24 12:43:26.614: H245 MSC INCOMING PDU ::=

value MultimediaSystemControlMessage ::= response : openLogicalChannelAck :
    {
      forwardLogicalChannelNumber 2
      forwardMultiplexAckParameters h2250LogicalChannelAckParameters :
      {
        mediaChannel unicastAddress : iPAddress :
        {
          network '0E017D7D'H
          tsapIdentifier 17224
        }
        mediaControlChannel unicastAddress : iPAddress :
```

```
        {
          network '0E017D7D'H
          tsapIdentifier 17225
        }
        flowControlToZero FALSE
      }
    }



027241: *Sep 24 12:43:26.618: h245_decode_one_pdu:
   H245ASNDecodePdu rc = 0, bytesLeftToDecode = 0
027242: *Sep 24 12:43:26.618: h245_decode_one_pdu: Read Pkt body:
   more_pdus:0 rc:0 asn_rc:0
027243: *Sep 24 12:43:26.618: //24/006E38C40300/H323/cch323_get_olc_ack_instance:
   Received OLC_ACK1 msg olc[2] ccb olc[1]
027244: *Sep 24 12:43:26.618: //24/006E38C40300/H323/h245_olc_out_sm:
   Received H245_EV_OLC_CFM while at state H245_OLC_OUT_STATE_AWAIT_EST
027245: *Sep 24 12:43:26.618: //24/006E38C40300/H323/h323_open_add_rtp_stream:
   ip_video_tos 136
027246: *Sep 24 12:43:26.622: //24/006E38C40300/H323/h245_olc_out_set_new_state:
   Changing from H245_OLC_OUT_STATE_AWAIT_EST state to
   H245_OLC_OUT_STATE_ESTABLISHED state
027247: *Sep 24 12:43:26.622: //24/006E38C40300/H323/run_h245_iwf_sm:
   received IWF_EV_OLC_EST_CFM while at state IWF_OLC_IN_AWAIT_BCF_EST_CFM_PEER_ACK
027248: *Sep 24 12:43:26.622:
   //24/006E38C40300/H323/h245_iwf_request_rsvp_on_olc_ack:
   ch=2 non-bestEffort=0 sync=0 is_ipip=1, nonsync_rsvp=0
027249: *Sep 24 12:43:26.622:
   //24/006E38C40300/H323/h245_iwf_request_rsvp_on_olc_ack:
   qos_mod_used=0, callType=1, do_rsvp=0, flowMode=1
027250: *Sep 24 12:43:26.622: //24/006E38C40300/H323/estCfmInAwaitBcfEstCfmPeerAck:
   Sending olc ack trigger to peer side
027251: *Sep 24 12:43:26.622: //-1/xxxxxxxxxxxx/H323/cch323_do_open_channel_ack:
   callID=24, sending event CC_EV_H245_OPEN_CHANNEL_ACK, peer channel pointer 0x86041E80
027252: *Sep 24 12:43:26.622: //24/006E38C40300/CCAPI/cc_api_event_indication:
   Event=142, Call Id=24
027253: *Sep 24 12:43:26.626: //24/006E38C40300/CCAPI/cc_api_event_indication:
   Event Is Sent To Conferenced SPI(s) Directly
027254: *Sep 24 12:43:26.626: //-1/xxxxxxxxxxxx/H323/cch245_event_handler:
   callID=23
027255: *Sep 24 12:43:26.626: //-1/xxxxxxxxxxxx/H323/cch245_event_handler:
   Event CC_EV_H245_OPEN_CHANNEL_ACK received, channelInfo ptr 0x86041E80
027256: *Sep 24 12:43:26.626: //-1/xxxxxxxxxxxx/H323/cch323_open_channel_ack:
   callID=23, Channel info: codec=-1 rtp=17224 rtcp=17225 aadr=0xE017D7D
027257: *Sep 24 12:43:26.626: //24/006E38C40300/H323/h245_iwf_set_new_state:
   changing from IWF_OLC_IN_AWAIT_BCF_EST_CFM_PEER_ACK state to
IWF_OLC_OUTDONE_AWAIT_BCF_PEER_ACK state
027258: *Sep 24 12:43:26.626: h323chan_chn_process_read_socket
027259: *Sep 24 12:43:26.626: h323chan_chn_process_read_socket:
   fd=6 of type ACCEPTED has data
027260: *Sep 24 12:43:26.626:  h323chan_chn_process_read_socket:
   h323chan accepted/connected fd=6

027261: *Sep 24 12:43:26.626: h245_decode_one_pdu:
   more_pdus = 0, bytesLeftToDecode = 23
027262: *Sep 24 12:43:26.626: H245 MSC INCOMING ENCODE BUFFER::=
   22C000000480101C00000E32C9114022000E32C9114023
027263: *Sep 24 12:43:26.630:
027264: *Sep 24 12:43:26.630: H245 MSC INCOMING PDU ::=

value MultimediaSystemControlMessage ::= response : openLogicalChannelAck :
    {
      forwardLogicalChannelNumber 1
```

```
      forwardMultiplexAckParameters h2250LogicalChannelAckParameters :
      {
        sessionID 1
        mediaChannel unicastAddress : iPAddress :
        {
          network '0E32C911'H
          tsapIdentifier 16418
        }
        mediaControlChannel unicastAddress : iPAddress :
        {
          network '0E32C911'H
          tsapIdentifier 16419
        }
      }
    }
```

```
027265: *Sep 24 12:43:26.634: h245_decode_one_pdu:
   H245ASNDecodePdu rc = 0, bytesLeftToDecode = 0
027266: *Sep 24 12:43:26.634: h245_decode_one_pdu:
   Read Pkt body: more_pdus:0 rc:0 asn_rc:0
027267: *Sep 24 12:43:26.634: //23/006E38C40300/H323/cch323_get_olc_ack_instance:
   Received OLC_ACK1 msg olc[1] ccb olc[1]
027268: *Sep 24 12:43:26.638: //23/006E38C40300/H323/h245_olc_out_sm:
   Received H245_EV_OLC_CFM while at state H245_OLC_OUT_STATE_AWAIT_EST
027269: *Sep 24 12:43:26.638: //23/006E38C40300/H323/h245_olc_out_set_new_state:
   Changing from H245_OLC_OUT_STATE_AWAIT_EST state to H245_OLC_OUT_STATE_ESTABLISHED state
027270: *Sep 24 12:43:26.638: //23/006E38C40300/H323/run_h245_iwf_sm:
   received IWF_EV_OLC_EST_CFM while at state IWF_OLC_INDONE_AWAIT_EST_CFM
027271: *Sep 24 12:43:26.638:
   //23/006E38C40300/H323/h245_iwf_request_rsvp_on_olc_ack:
   ch=1 non-bestEffort=0 sync=0 is_ipip=1, nonsync_rsvp=0
027272: *Sep 24 12:43:26.638:
   //23/006E38C40300/H323/h245_iwf_request_rsvp_on_olc_ack:
   qos_mod_used=0, callType=1, do_rsvp=0, flowMode=1
027273: *Sep 24 12:43:26.638: //23/006E38C40300/H323/estCfmOlcIndoneAwaitEstCfm:
   Sending olc ack trigger to peer side
027274: *Sep 24 12:43:26.638: //-1/xxxxxxxxxxxx/H323/cch323_do_open_channel_ack:
   callID=23, sending event CC_EV_H245_OPEN_CHANNEL_ACK, peer channel pointer 0x860420C0
027275: *Sep 24 12:43:26.638: //23/006E38C40300/CCAPI/cc_api_event_indication:
   Event=142, Call Id=23
027276: *Sep 24 12:43:26.642: //23/006E38C40300/CCAPI/cc_api_event_indication:
   Event Is Sent To Conferenced SPI(s) Directly
027277: *Sep 24 12:43:26.642: //-1/xxxxxxxxxxxx/H323/cch245_event_handler:
   callID=24
027278: *Sep 24 12:43:26.642: //-1/xxxxxxxxxxxx/H323/cch245_event_handler:
   Event CC_EV_H245_OPEN_CHANNEL_ACK received, channelInfo ptr 0x860420C0
027279: *Sep 24 12:43:26.642: //-1/xxxxxxxxxxxx/H323/cch323_open_channel_ack:
   callID=24, Channel info: codec=5 rtp=16418 rtcp=16419 aadr=0xE32C911
027280: *Sep 24 12:43:26.642: //23/006E38C40300/H323/h245_iwf_set_new_state:
   changing from IWF_OLC_INDONE_AWAIT_EST_CFM state to IWF_OLC_DONE state
027281: *Sep 24 12:43:26.642: //23/006E38C40300/H323/run_h245_iwf_sm:
   received IWF_EV_OLC_DONE while at state IWF_ACTIVE
027282: *Sep 24 12:43:26.642: //23/006E38C40300/H323/run_h225_sm:
   Received event H225_EV_H245_SUCCESS while at state H225_WAIT_FOR_H245
027283: *Sep 24 12:43:26.642: //23/006E38C40300/H323/cch323_h225_set_new_state:
   Changing from H225_WAIT_FOR_H245 state to H225_ACTIVE state
027284: *Sep 24 12:43:26.642: h323chan_chn_process_read_socket
027285: *Sep 24 12:43:26.642: h323chan_chn_process_read_socket:
   fd=2 of type CONNECTED has data
027286: *Sep 24 12:43:26.646:  h323chan_chn_process_read_socket:
   h323chan accepted/connected fd=2
```

```
027287: *Sep 24 12:43:26.646: h323chan_dgram_recvdata:rcvd from [14.1.123.95:1719]
   on fd=2

027288: *Sep 24 12:43:26.646: RAS INCOMING ENCODE BUFFER::= 341102402080
027289: *Sep 24 12:43:26.646:
027290: *Sep 24 12:43:26.646: RAS INCOMING PDU ::=

value RasMessage ::= bandwidthConfirm :
    {
      requestSeqNum 4355
      bandWidth 8320
    }



027291: *Sep 24 12:43:26.646: BCF (seq# 4355) rcvd
027292: *Sep 24 12:43:26.646: //24/006E38C40300/H323/run_h245_iwf_sm:
   received IWF_EV_BCF while at state IWF_OLC_OUTDONE_AWAIT_PEER_ACK
027293: *Sep 24 12:43:26.646: //24/006E38C40300/H323/errHdlr: ERROR:
   Received Unexpected IWF_EV_BCF in state IWF_OLC_OUTDONE_AWAIT_PEER_ACK
027294: *Sep 24 12:43:26.650: //24/006E38C40300/H323/run_h245_iwf_sm:
   received IWF_EV_BCF while at state IWF_OLC_OUTDONE_AWAIT_BCF_PEER_ACK
027295: *Sep 24 12:43:26.650: //24/006E38C40300/H323/h245_iwf_set_new_state:
   changing from IWF_OLC_OUTDONE_AWAIT_BCF_PEER_ACK state
   to IWF_OLC_OUTDONE_AWAIT_PEER_ACK state
027296: *Sep 24 12:43:26.650: //xxxxxxxxxxxx/xxxxxxxxxxxx/GK/gk_process:
   QUEUE_EVENT (minor 0) wakeup
027297: *Sep 24 12:43:26.654:  RecvUDP_IPSockData  successfully rcvd message of
   length 81 from 14.1.123.95:64422
027298: *Sep 24 12:43:26.654: RAS INCOMING ENCODE BUFFER::= 320011031E00380035
   00390031004500440039003400300030003000300030003000300031006E38C43570518C030003
   010E32CA1F000F402080150800110000 6E38C43570518C030003010E32CA1F0180
027299: *Sep 24 12:43:26.654:
027300: *Sep 24 12:43:26.654: RAS INCOMING PDU ::=

value RasMessage ::= bandwidthRequest :
    {
      requestSeqNum 4356
      endpointIdentifier {"8591ED9400000001"}
      conferenceID '006E38C43570518C030003010E32CA1F'H
      callReferenceValue 15
      bandWidth 8320
      callIdentifier
      {
        guid '006E38C43570518C030003010E32CA1F'H
      }
      answeredCall TRUE
    }



027301: *Sep 24 12:43:26.658: BRQ (seq# 4356) rcvd
027302: *Sep 24 12:43:26.658: //xxxxxxxxxxxx/xxxxxxxxxxxx/GK/gk_rassrv_brq:
   state = 0xF
027303: *Sep 24 12:43:26.662: //xxxxxxxxxxxx/xxxxxxxxxxxx/GK/gk_rassrv_brq:
   brqp=0x85487690, crv=0xF, bandWidth=8320
027304: *Sep 24 12:43:26.662: //xxxxxxxxxxxx/xxxxxxxxxxxx/GK/gk_call_find_crv:
   endptp=0x8591ED94, crv=15:
027305: *Sep 24 12:43:26.662: //006E38C40300/006E38C40300/GK/gk_call_find_crv:
   crv is DEP
027306: *Sep 24 12:43:26.662: RAS OUTGOING PDU ::=

value RasMessage ::= bandwidthConfirm :
    {
```

```
      requestSeqNum 4356
      bandWidth 8320
    }



027307: *Sep 24 12:43:26.662: RAS OUTGOING ENCODE BUFFER::= 341103402080
027308: *Sep 24 12:43:26.662:
027309: *Sep 24 12:43:26.666:  IPSOCK_RAS_sendto:   msg length 6 from
   14.1.123.95:1719 to 14.1.123.95: 64422
027310: *Sep 24 12:43:26.666:       RASLib::RASSendBCF: BCF (seq# 4356) sent to
   14.1.123.95
027311: *Sep 24 12:43:26.666: //23/006E38C40300/H323/cch323_peer_channel_ack:
   Will send peer chn ack to IWF sm
027312: *Sep 24 12:43:26.666: //23/006E38C40300/H323/run_h245_iwf_sm:
   received IWF_EV_PEER_CHN_ACK while at state IWF_OLC_OUT_AWAIT_BCF_PEER_ACK
027313: *Sep 24 12:43:26.670: //23/006E38C40300/H323/h245_iwf_set_new_state:
   changing from IWF_OLC_OUT_AWAIT_BCF_PEER_ACK state to IWF_OLC_AWAIT_BCF_ESTIND_RCVD state
027314: *Sep 24 12:43:26.670: //24/006E38C40300/H323/cch323_peer_channel_ack:
   Will send peer chn ack to IWF sm
027315: *Sep 24 12:43:26.670: //24/006E38C40300/H323/run_h245_iwf_sm:
   received IWF_EV_PEER_CHN_ACK while at state IWF_OLC_OUTDONE_AWAIT_PEER_ACK
027316: *Sep 24 12:43:26.670: //24/006E38C40300/H323/h245_olc_in_sm:
   Received H245_EV_OLC_EST_RESP while at state H245_OLC_IN_STATE_AWAIT_EST
027317: *Sep 24 12:43:26.670: H245 MSC OUTGOING PDU ::=

value MultimediaSystemControlMessage ::= response : openLogicalChannelAck :
    {
      forwardLogicalChannelNumber 1
      forwardMultiplexAckParameters h2250LogicalChannelAckParameters :
      {
        sessionID 1
        mediaChannel unicastAddress : iPAddress :
        {
          network '0E017B5F'H
          tsapIdentifier 16772
        }
        mediaControlChannel unicastAddress : iPAddress :
        {
          network '0E017B5F'H
          tsapIdentifier 16773
        }
      }
    }



027318: *Sep 24 12:43:26.678: H245 MSC OUTGOING ENCODE BUFFER::=
   22C000000480101C00000E017B5F4184000E017B5F4185
027319: *Sep 24 12:43:26.678:
027320: *Sep 24 12:43:26.678: //24/006E38C40300/H323/cch323_send_open_channel_ack:
   Send OLC Ack in passthru mode: retcode 0
027321: *Sep 24 12:43:26.678: //24/006E38C40300/H323/h245_olc_in_set_new_state:
   Changing from H245_OLC_IN_STATE_AWAIT_EST state to H245_OLC_IN_STATE_ESTABLISHED state
027322: *Sep 24 12:43:26.678: //24/006E38C40300/H323/h245_iwf_set_new_state:
   changing from IWF_OLC_OUTDONE_AWAIT_PEER_ACK state to IWF_OLC_DONE state
027323: *Sep 24 12:43:26.678: //24/006E38C40300/H323/run_h245_iwf_sm:
   received IWF_EV_OLC_DONE while at state IWF_ACTIVE
027324: *Sep 24 12:43:26.682: //24/006E38C40300/H323/run_h225_sm:
   Received event H225_EV_H245_SUCCESS while at state H225_WAIT_FOR_H245
027325: *Sep 24 12:43:26.682: //24/006E38C40300/H323/cch323_h225_set_new_state:
   Changing from H225_WAIT_FOR_H245 state to H225_ACTIVE state
027326: *Sep 24 12:43:26.682: //24/006E38C40300/H323/setup_cfm_notify:
   status = 8800261B
```

```
027327: *Sep 24 12:43:26.682:
   //24/006E38C40300/H323/cch323_h225_handle_deferred_ind:
   UnBuffering deferred indications
027328: *Sep 24 12:43:26.682: h323chan_chn_process_read_socket
027329: *Sep 24 12:43:26.682: h323chan_chn_process_read_socket:
   fd=2 of type CONNECTED has data
027330: *Sep 24 12:43:26.682:  h323chan_chn_process_read_socket:
   h323chan accepted/connected fd=2

027331: *Sep 24 12:43:26.682: h323chan_dgram_recvdata:rcvd from [14.1.123.95:1719]
   on fd=2

027332: *Sep 24 12:43:26.682: RAS INCOMING ENCODE BUFFER::= 341103402080
027333: *Sep 24 12:43:26.682:
027334: *Sep 24 12:43:26.686: RAS INCOMING PDU ::=

value RasMessage ::= bandwidthConfirm :
    {
      requestSeqNum 4356
      bandWidth 8320
    }



027335: *Sep 24 12:43:26.686: BCF (seq# 4356) rcvd
027336: *Sep 24 12:43:26.686: //23/006E38C40300/H323/run_h245_iwf_sm:
   received IWF_EV_BCF while at state IWF_OLC_DONE
027337: *Sep 24 12:43:26.686: //23/006E38C40300/H323/run_h245_iwf_sm:
   received IWF_EV_BCF while at state IWF_OLC_AWAIT_BCF_ESTIND_RCVD
027338: *Sep 24 12:43:26.686: //23/006E38C40300/H323/h245_olc_out_sm:
   Received H245_EV_OLC_EST_REQ while at state H245_OLC_OUT_STATE_IDLE
027339: *Sep 24 12:43:26.686: //23/006E38C40300/H323/h245_olc_out_set_new_state:
   Changing from H245_OLC_OUT_STATE_IDLE state
   to H245_OLC_OUT_STATE_AWAIT_EST state
027340: *Sep 24 12:43:26.686: //23/006E38C40300/H323/cch323_send_olc_passthru:
   ccb channel 2
027341: *Sep 24 12:43:26.690: //23/006E38C40300/H323/cch323_send_olc_passthru:
   Use the flow thru address
027342: *Sep 24 12:43:26.690: H245 MSC OUTGOING PDU ::=

value MultimediaSystemControlMessage ::= request : openLogicalChannel :
    {
      forwardLogicalChannelNumber 2
      forwardLogicalChannelParameters
      {
        dataType videoData : h263VideoCapability :
        {
          cifMPI 1
          maxBitRate 3840
          unrestrictedVector FALSE
          arithmeticCoding FALSE
          advancedPrediction FALSE
          pbFrames FALSE
          temporalSpatialTradeOffCapability FALSE
          errorCompensation FALSE
        }
        multiplexParameters h2250LogicalChannelParameters :
        {
          sessionID 2
          mediaControlChannel unicastAddress : iPAddress :
          {
            network '0E017B5F'H
            tsapIdentifier 17181
          }
```

```
        }
      }
    }



027343: *Sep 24 12:43:26.698: H245 MSC OUTGOING ENCODE BUFFER::=
   0300000108E400800EFF0070400100800A040002000E017B5F431D
027344: *Sep 24 12:43:26.698:
027345: *Sep 24 12:43:26.698: //23/006E38C40300/H323/cch323_send_olc_passthru:
   Sent OLC in passthru mode: retcode 0
027346: *Sep 24 12:43:26.698: //23/006E38C40300/H323/h245_olc_in_sm:
   Received H245_EV_OLC_EST_RESP while at state H245_OLC_IN_STATE_AWAIT_EST
027347: *Sep 24 12:43:26.698: H245 MSC OUTGOING PDU ::=

value MultimediaSystemControlMessage ::= response : openLogicalChannelAck :
    {
      forwardLogicalChannelNumber 2
      forwardMultiplexAckParameters h2250LogicalChannelAckParameters :
      {
        mediaChannel unicastAddress : iPAddress :
        {
          network '0E017B5F'H
          tsapIdentifier 17180
        }
        mediaControlChannel unicastAddress : iPAddress :
        {
          network '0E017B5F'H
          tsapIdentifier 17181
        }
        flowControlToZero FALSE
      }
    }



027348: *Sep 24 12:43:26.706: H245 MSC OUTGOING ENCODE BUFFER::=
   22C000010480134C000E017B5F431C000E017B5F431D03000100
027349: *Sep 24 12:43:26.706:
027350: *Sep 24 12:43:26.710: //23/006E38C40300/H323/cch323_send_open_channel_ack:
   Send OLC Ack in passthru mode: retcode 0
027351: *Sep 24 12:43:26.710: //23/006E38C40300/H323/h245_olc_in_set_new_state:
   Changing from H245_OLC_IN_STATE_AWAIT_EST state to H245_OLC_IN_STATE_ESTABLISHED state
027352: *Sep 24 12:43:26.710: //23/006E38C40300/H323/h245_iwf_set_new_state:
   changing from IWF_OLC_AWAIT_BCF_ESTIND_RCVD state
   to IWF_OLC_INDONE_AWAIT_EST_CFM state
027353: *Sep 24 12:43:26.714: h323chan_chn_process_read_socket
027354: *Sep 24 12:43:26.714: h323chan_chn_process_read_socket:
   fd=7 of type CONNECTED has data
027355: *Sep 24 12:43:26.714:  h323chan_chn_process_read_socket:
   h323chan accepted/connected fd=7

027356: *Sep 24 12:43:26.714: h245_decode_one_pdu:
   more_pdus = 0, bytesLeftToDecode = 4
027357: *Sep 24 12:43:26.714: H245 MSC INCOMING ENCODE BUFFER::= 4C000128
027358: *Sep 24 12:43:26.718:
027359: *Sep 24 12:43:26.718: H245 MSC INCOMING PDU ::=

value MultimediaSystemControlMessage ::= command : miscellaneousCommand :
    {
      logicalChannelNumber 2
      type videoFastUpdatePicture : NULL
    }
```

```
027360: *Sep 24 12:43:26.718: h245_decode_one_pdu:
   H245ASNDecodePdu rc = 0, bytesLeftToDecode = 0
027361: *Sep 24 12:43:26.718: h245_decode_one_pdu: Read Pkt body:
   more_pdus:0 rc:0 asn_rc:0
027362: *Sep 24 12:43:26.718: //24/006E38C40300/CCAPI/cc_api_event_indication:
   Event=145, Call Id=24
027363: *Sep 24 12:43:26.718: //24/006E38C40300/CCAPI/cc_api_event_indication:
   Event Is Sent To Conferenced SPI(s) Directly
027364: *Sep 24 12:43:26.718: //-1/xxxxxxxxxxxx/H323/cch245_event_handler:
   callID=23
027365: *Sep 24 12:43:26.718: //-1/xxxxxxxxxxxx/H323/cch245_event_handler:
   Event CC_EV_H245_PASSTHRU received
027366: *Sep 24 12:43:26.722: H245 MSC OUTGOING PDU ::=

value MultimediaSystemControlMessage ::= command : miscellaneousCommand :
    {
      logicalChannelNumber 2
      type videoFastUpdatePicture : NULL
    }



027367: *Sep 24 12:43:26.722: H245 MSC OUTGOING ENCODE BUFFER::= 4C000128
027368: *Sep 24 12:43:26.722:
027369: *Sep 24 12:43:26.726: //23/006E38C40300/H323/cch323_send_passthru_out:
   Send passthru message retcode 0
027370: *Sep 24 12:43:27.067: h323chan_chn_process_read_socket
027371: *Sep 24 12:43:27.067: h323chan_chn_process_read_socket:
   fd=6 of type ACCEPTED has data
027372: *Sep 24 12:43:27.067:  h323chan_chn_process_read_socket:
   h323chan accepted/connected fd=6

027373: *Sep 24 12:43:27.071: h245_decode_one_pdu:
   more_pdus = 0, bytesLeftToDecode = 23
027374: *Sep 24 12:43:27.071: H245 MSC INCOMING ENCODE BUFFER::=
   22C000010480101C02000E32C9114B84000E32C9114B85
027375: *Sep 24 12:43:27.071:
027376: *Sep 24 12:43:27.071: H245 MSC INCOMING PDU ::=

value MultimediaSystemControlMessage ::= response : openLogicalChannelAck :
    {
      forwardLogicalChannelNumber 2
      forwardMultiplexAckParameters h2250LogicalChannelAckParameters :
      {
        sessionID 2
        mediaChannel unicastAddress : iPAddress :
        {
          network '0E32C911'H
          tsapIdentifier 19332
        }
        mediaControlChannel unicastAddress : iPAddress :
        {
          network '0E32C911'H
          tsapIdentifier 19333
        }
      }
    }



027377: *Sep 24 12:43:27.079: h245_decode_one_pdu:
   H245ASNDecodePdu rc = 0, bytesLeftToDecode = 0
```

```
027378: *Sep 24 12:43:27.079: h245_decode_one_pdu: Read Pkt body:
   more_pdus:0 rc:0 asn_rc:0
027379: *Sep 24 12:43:27.079: //23/006E38C40300/H323/cch323_get_olc_ack_instance:
   Received OLC_ACK1 msg olc[2] ccb olc[1]
027380: *Sep 24 12:43:27.079: //23/006E38C40300/H323/h245_olc_out_sm:
   Received H245_EV_OLC_CFM while at state H245_OLC_OUT_STATE_AWAIT_EST
027381: *Sep 24 12:43:27.079: //23/006E38C40300/H323/h323_open_add_rtp_stream:
   ip_video_tos 136
027382: *Sep 24 12:43:27.083: //23/006E38C40300/H323/h245_olc_out_set_new_state:
   Changing from H245_OLC_OUT_STATE_AWAIT_EST state to H245_OLC_OUT_STATE_ESTABLISHED state
027383: *Sep 24 12:43:27.083: //23/006E38C40300/H323/run_h245_iwf_sm:
   received IWF_EV_OLC_EST_CFM while at state IWF_OLC_INDONE_AWAIT_EST_CFM
027384: *Sep 24 12:43:27.083:
   //23/006E38C40300/H323/h245_iwf_request_rsvp_on_olc_ack:
   ch=2 non-bestEffort=0 sync=0 is_ipip=1, nonsync_rsvp=0
027385: *Sep 24 12:43:27.083:
   //23/006E38C40300/H323/h245_iwf_request_rsvp_on_olc_ack:
   qos_mod_used=0, callType=1, do_rsvp=0, flowMode=1
027386: *Sep 24 12:43:27.083: //23/006E38C40300/H323/estCfmOlcIndoneAwaitEstCfm:
   Sending olc ack trigger to peer side
027387: *Sep 24 12:43:27.083: //-1/xxxxxxxxxxxx/H323/cch323_do_open_channel_ack:
   callID=23, sending event CC_EV_H245_OPEN_CHANNEL_ACK, peer channel pointer
   0x86042150
027388: *Sep 24 12:43:27.083: //23/006E38C40300/CCAPI/cc_api_event_indication:
   Event=142, Call Id=23
027389: *Sep 24 12:43:27.083: //23/006E38C40300/CCAPI/cc_api_event_indication:
   Event Is Sent To Conferenced SPI(s) Directly
027390: *Sep 24 12:43:27.087: //-1/xxxxxxxxxxxx/H323/cch245_event_handler:
   callID=24
027391: *Sep 24 12:43:27.087: //-1/xxxxxxxxxxxx/H323/cch245_event_handler:
   Event CC_EV_H245_OPEN_CHANNEL_ACK received, channelInfo ptr 0x86042150
027392: *Sep 24 12:43:27.087: //-1/xxxxxxxxxxxx/H323/cch323_open_channel_ack:
   callID=24, Channel info: codec=-1 rtp=19332 rtcp=19333 aadr=0xE32C911
027393: *Sep 24 12:43:27.087: //23/006E38C40300/H323/h245_iwf_set_new_state:
   changing from IWF_OLC_INDONE_AWAIT_EST_CFM state to IWF_OLC_DONE state
027394: *Sep 24 12:43:27.087: //23/006E38C40300/H323/run_h245_iwf_sm:
   received IWF_EV_OLC_DONE while at state IWF_ACTIVE
027395: *Sep 24 12:43:27.087: //23/006E38C40300/H323/run_h225_sm:
   Received event H225_EV_H245_SUCCESS while at state H225_ACTIVE
027396: *Sep 24 12:43:27.091: //24/006E38C40300/H323/cch323_peer_channel_ack:
   Will send peer chn ack to IWF sm
027397: *Sep 24 12:43:27.091: //24/006E38C40300/H323/run_h245_iwf_sm:
   received IWF_EV_PEER_CHN_ACK while at state IWF_OLC_OUTDONE_AWAIT_PEER_ACK
027398: *Sep 24 12:43:27.091: //24/006E38C40300/H323/h245_olc_in_sm:
   Received H245_EV_OLC_EST_RESP while at state H245_OLC_IN_STATE_AWAIT_EST
027399: *Sep 24 12:43:27.091: H245 MSC OUTGOING PDU ::=

value MultimediaSystemControlMessage ::= response : openLogicalChannelAck :
    {
      forwardLogicalChannelNumber 2
      forwardMultiplexAckParameters h2250LogicalChannelAckParameters :
      {
        sessionID 2
        mediaChannel unicastAddress : iPAddress :
        {
          network '0E017B5F'H
          tsapIdentifier 17338
        }
        mediaControlChannel unicastAddress : iPAddress :
        {
          network '0E017B5F'H
          tsapIdentifier 17339
        }
      }
```

```
    }
```

Шаг 29

4085252000 зависает вызов. CUBE 2 получает H225, завершенный Выпуском от CME.

```
(GK-CUBE-2.txt)

027697: *Sep 24 12:44:23.720: H225.0 INCOMING PDU ::=

value H323_UserInformation ::=
    {
      h323-uu-pdu
      {
        h323-message-body releaseComplete : { protocolIdentifier { 0 0 8 2250 0 4 }
callIdentifier { guid '006E38C43570518C030003010E32CA1F'H } } h245Tunneling FALSE } } 027698:
*Sep 24 12:44:23.724: //-1/xxxxxxxxxxxx/H323/cch323_h225_receiver: Received msg of type
RELEASEIND_CHOSEN 027699: *Sep 24 12:44:23.724: //24/006E38C40300/H323/release_ind: Disconnect
cause 16 location code 0 027700: *Sep 24 12:44:23.724:
//24/006E38C40300/H323/cch323_h225_receiver: RELEASEIND_CHOSEN: src address = 14.1.123.95; dest
address = 14.1.125.125 027701: *Sep 24 12:44:23.724: //24/006E38C40300/H323/run_h225_sm:
Received event H225_EV_RELEASE_IND while at state H225_ACTIVE 027702: *Sep 24 12:44:23.728:
//24/006E38C40300/CCAPI/cc_api_call_disconnected: Cause Value=16, Interface=0x855A8B64, Call
Id=24 027703: *Sep 24 12:44:23.728: //24/006E38C40300/CCAPI/cc_api_call_disconnected: Call
Entry(Responsed=TRUE, Cause Value=16, Retry Count=0)
```

Шаг 30

После получения / передача завершенного Выпуском, CCM, CUBE 1, CUBE 2 и CME передает Запрос на освобождение канала (DRQ) к их соответствующим Сторожевым устройствам.

```
(GK-CUBE-2.txt)

027712: *Sep 24 12:44:23.736: RAS INCOMING PDU ::=

value RasMessage ::= disengageRequest : { requestSeqNum 1960 endpointIdentifier
{"860100E800000002"} conferenceID '006E38C43570518C030003010E32CA1F'H callReferenceValue 8
disengageReason normalDrop : NULL callIdentifier { guid '006E38C43570518C030003010E32CA1F'H }
answeredCall TRUE usageInformation { nonStandardUsageFields { { nonStandardIdentifier
h221NonStandard : { t35CountryCode 181 t35Extension 0 manufacturerCode 18 } data '584020020100'H
} } connectTime 1220898589 endTime 1220898647 } terminationCause releaseCompleteCauseIE :
'08028090'H }
```

Шаг 31

CUBE 2 передает завершенный Выпуском к CUBE 1, который тогда передает соответствующее Сообщение о выполнении выпуска к Cisco Unified Communications Manager и разъединениям вызова.

```
(GK-CUBE-2.txt)

027733: *Sep 24 12:44:23.768: //23/006E38C40300/H323/run_h225_sm: Received event H225_EV_RELEASE
while at state H225_ACTIVE 027734: *Sep 24 12:44:23.768:
//23/006E38C40300/H323/cch323_h225_set_new_state: Changing from H225_ACTIVE state to
H225_WAIT_FOR_DRQ state 027735: *Sep 24 12:44:23.768:
//23/006E38C40300/H323/cch323_h225_send_release: Cause = 16; Location = 0 027736: *Sep 24
12:44:23.768: //23/006E38C40300/H323/cch323_h225_send_release: h225TerminateRequest: src address
= 234978143; dest address = 14.50.201.17 027737: *Sep 24 12:44:23.768: H225.0 OUTGOING PDU ::=
value H323_UserInformation ::= { h323-uu-pdu { h323-message-body releaseComplete : {
protocolIdentifier { 0 0 8 2250 0 4 } callIdentifier { guid '006E38C43570518C030003010E32CA1F'H
```

```
} } h245Tunneling FALSE } }
```

Дополнительные сведения

- Поддержка голосовых технологий
- Поддержка продуктов Голосовой и Унифицированной связи
- Устранение неполадок в системах IP-телефонии Cisco
- Cisco Systems – техническая поддержка и документация