

Flujo de llamada video de H.323 a través del CUBO y del gatekeeper de Cisco

Contenido

[Introducción](#)

[prerrequisitos](#)

[Requisitos](#)

[Componentes Utilizados](#)

[Convenciones](#)

[Configurar](#)

[Diagrama de la red](#)

[Configuraciones](#)

[Verificación](#)

[Gateway](#)

[CUBO](#)

[Troubleshooting](#)

[Comandos de Debug](#)

[Ejemplo del flujo de llamada](#)

[‘Resultados de la depuración’](#)

[Información Relacionada](#)

[Introducción](#)

El objetivo de este documento es proporcionar la configuración y la información de Troubleshooting para el vídeo de H.323 llama a través del Cisco Unified Border Element (CUBO) y del gatekeeper de Cisco.

Detalles de la topología de red:

Hay dos sitios:

- Site-1 utiliza al administrador unificado Cisco de la comunicación.
- Site-2 las aplicaciones Cisco unificaron al administrador de la comunicación expreso (CME).

Cada sitio tiene un CUBO y un portero coimplantados en el mismo dispositivo. Configuran al portero en Site-1 como gatekeeper remoto en Site-2 y viceversa. las llamadas del Inter-sitio se rutean a través del CUBO (modo del atraviase) situado en cada sitio. Cisco unificó el administrador y el CUBO de la comunicación en el tecnología-prefijo #2 del uso del sitio 1. El CME y el CUBO en el sitio 2 utilizan el tecnología-prefijo #3.

Las cámaras y el teléfono del IP de la ventaja del uso VT de los usuarios para hacer el audio/el vídeo llama.

prerrequisitos

Requisitos

No hay requisitos específicos para este documento.

Componentes Utilizados

La información que contiene este documento se basa en las siguientes versiones de software y hardware.

- Cisco Unified CallManager — 6.1.1.3000-2
- CUBO y portero — Cisco IOS Software Release 12.4(15)T6
- Cisco CallManager expreso — Cisco IOS Software Release 12.4(15)T6

La información que contiene este documento se creó a partir de los dispositivos en un ambiente de laboratorio específico. Todos los dispositivos que se utilizan en este documento se pusieron en funcionamiento con una configuración verificada (predeterminada). Si la red está funcionando, asegúrese de haber comprendido el impacto que puede tener cualquier comando.

Convenciones

Consulte [Convenciones de Consejos TécnicosCisco](#) para obtener más información sobre las convenciones del documento.

Configurar

En esta sección encontrará la información para configurar las funciones descritas en este documento.

Nota: Use la herramienta [Command Lookup Tool](#) ([clientes registrados solamente](#)) para encontrar más información sobre los comandos usados en este documento.

Diagrama de la red

En este documento, se utiliza esta configuración de red:

Configuraciones

En este documento, se utilizan estas configuraciones:

- CUBO y configuración de control de acceso en Site-1
- CUBO y configuración de control de acceso en Site-2
- Configuración CME
- Cisco unificó la configuración de administrador de la comunicación

CUBO y configuración de control de acceso en Site-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

```

CUBO y configuración de control de acceso en Site-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
```

Configuración 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
```

[Cisco unific  la configuraci n de administrador de la comunicaci n](#)

Complete estos pasos:

1. Configure a un portero (dispositivo > portero) en la p gina unificada Cisco del control del administrador de la comunicaci n.
2. Configure un trunk controlado portero H.225 (trunk del → del dispositivo) en la p gina del control del administrador de las Comunicaciones unificadas de Cisco con los par metros del nombre, del tipo de terminal, del prefijo de tecnolog a y de la zona del portero.
3. Configure a un patr n de ruta para rutear las llamadas a 4085252000 a trav s del trunk H.225 configurado en el paso 2. Observe que el campo de los **d gitos del prefijo (llamadas salientes)** est  fijado a **3#**.
4. Configure a un patr n de traducci n para eliminar el 2# en las llamadas entrantes a trav s del trunk H225.

[Verificaci n](#)

Utilice esta secci n para confirmar sus trabajos de la configuraci n correctamente.

[La herramienta Output Interpreter Tool \(clientes registrados solamente\)](#) (OIT) soporta ciertos comandos show. Utilice la OIT para ver un an lisis del resultado del comando show.

[Gateway](#)

Utilice esta secci n para confirmar que su configuraci n trabaja correctamente en el Cisco IOS Gatekeeper.

Recogieron a estos comandos show del portero despu s de habilitar el **gatekeeper main 10 del debug**:

• **Show gatekeeper endpoints**Gatekeeper-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_protos: 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_protos: 0x00000050 H323-
ID: CCM-GK-Trunk_1 Voice Capacity Max.= Avail.= Current.= 1 Total number of active
registrations = 2 Gatekeeper-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_protos: 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_protos: 0x00000050 H323-
ID: CME-1 Voice Capacity Max.= Avail.= Current.= 1 Total number of active registrations = 2

```

• **Muestre el GW-tipo-prefijo del portero**Gatekeeper-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 Gatekeeper-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

```

• **Muestre las llamadas del portero**Gatekeeper-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,

```

Gatekeeper-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,

```

Utilice esta sección para confirmar que su configuración trabaja correctamente en el CUBO.

- **Show gatewayCube-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 **Cube-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

- **Muestre a llamada la descripción activa del vídeoCube-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 **Cube-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

- **Muestre las conexiones del rtp del voipCube-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 **Cube-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

Troubleshooting

Use esta sección para resolver problemas su configuración.

Comandos de Debug

Configure el Cisco IOS Gateway para registrar los debugs en su memoria intermedia de registro y para inhabilitar la **consola de registro**.

Nota: Consulte [Información Importante sobre Comandos de Debug](#) antes de usar un comando debug.

Nota: Los comandos show and debug por problemas comunes están disponibles en la [herramienta de búsqueda del debug de la voz multiservicio](#).

Éstos son los comandos usados para configurar el gateway para salvar los debugs en memoria intermedia de registro del gateway:

- `service timestamps debug datetime msec`
- mantenga la secuencia
- ninguna consola de registro
- el registro mitigó el debug 5000000
- borre el registro

CUBIQUE los debugs

- `debug voip ccapi inout`
- haga el debug de los ras
- `debug h225 asn1`
- haga el debug del asn1 h245
- `debug cch323 h225`
- `debug cch323 h245`
- `ipipgw del voip del debug`

Debugs del portero

- `ras del debug`
- `gatekeeper main 10 del debug`
- `llamada 10 del portero del debug`
- `zona de gatekeeper 10 del debug`

Ejemplo del flujo de llamada

Esta sección describe el flujo de llamada ese los resultados de este ejemplo de configuración.

1. [El teléfono del IP \(919-392-2000\) hace una llamada al teléfono del IP \(408-525-2000\)](#)
2. [Cisco unificó al administrador de la comunicación prefija un 3# al llamar-número y envía una petición ARQ al portero en Site-1](#)
3. [Gatekeeper-1 identifica que la llamada es entrante de la zona de CCM y marca si hay una zona del invia configurada](#)
4. [Gatekeeper-1 determina CCM-CUBE como la zona del invia para la zona CCM e intenta encontrar un gateway IP-IP en la zona CCM-CUBE](#)
5. [Gatekeeper-1 encuentra el gateway local IP-IP \(CUBE-1\) y envía la dirección IP del gateway \(14.50.201.17\) en la respuesta ACF](#)
6. [Cisco unificó al administrador de la comunicación envía un mensaje setup H225 a CUBE-1](#)
7. [CUBE-1 envía una petición ARQ con el "answerCall" fijó PARA VERDAD a Gatekeeper-1](#)
8. [Gatekeeper-1 envía una respuesta ACF a CUBE-1](#)
9. [CUBE-1 después hace juego el dial peer de entrada 919 y al dial-peer de salida 408 y envía una petición ARQ para 3#4085252000 a Gatekeeper-1](#)
10. [CUBE-1 envía el mensaje de procedimiento de la llamada H225 a Cisco unificó al administrador de la comunicación](#)
11. [Pues no hay zonas del invia configuradas para la zona CCM-CUBE, Gatekeeper-1 realiza](#)

- [el proceso normal ARQ. Encuentra el tecnología-prefijo 3# en el número de destino](#)
12. [3# se configura como prefijo del hopoff para la zona remota CME-CUBE. Por lo tanto, Gatekeeper-1 envía un LRQ \(Location Request\) a Gatekeeper-2](#)
 13. [Gatekeeper-2 recibe el LRQ y lo identifica que el LRQ es de la zona remota CCM-CUBE. Marca si hay una zona del invia configurada para la zona remota CCM-CUBE](#)
 14. [Gatekeeper-2 determina CME-CUBE como la zona del invia para la zona CCM-CUBE e intenta encontrar un gateway IP-IP en CME-CUBE](#)
 15. [Gatekeeper-2 encuentra el gateway local IP-IP \(CUBE-2\) y envía la dirección IP del gateway \(14.1.123.95\) en la respuesta LCF](#)
 16. [Gatekeeper-1 recibe la respuesta LCF y envía una respuesta ACF con la dirección IP de CUBE-2 a CUBE-1](#)
 17. [CUBE-1 envía un mensaje setup H225 a CUBE-2](#)
 18. [CUBE-2 envía una petición ARQ con el "answerCall" fijó PARA VERDAD a Gatekeeper-2](#)
 19. [Gatekeeper-2 envía una respuesta ACF a CUBE-2](#)
 20. [CUBE-2 después hace juego el dial peer de entrada 919 y al dial-peer de salida 408 y envía una petición ARQ para 3#4085252000 a Gatekeeper-2](#)
 21. [CUBE-2 envía un mensaje de procedimiento de la llamada H225 a CUBE-1](#)
 22. [Porque no hay zonas del invia configuradas para la zona CCM-CUBE, Gatekeeper-2 realiza el proceso normal ARQ. Encuentra el prefijo de la tecnología 3# en el número de destino](#)
 23. [Gatekeeper-2 utiliza los dígitos restantes \(4085252000\) para encontrar una coincidencia del prefijo de zona. Determina que la zona CME puede manejar este prefijo 408 e intentos para encontrar un gateway que se registre en la zona CME con un tecnología-prefijo 3#](#)
 24. [Gatekeeper-2 selecciona el CME como el gateway de destino y envía su dirección IP \(14.1.103.74\) en la respuesta ACF](#)
 25. [CUBE-2 recibe la respuesta ACF y envía un mensaje setup H225 al CME](#)
 26. [El portero recibe una petición ARQ con el "answerCall" fijó PARA VERDAD del CME y envía una respuesta ACF](#)
 27. [CUBE-2 recibe el procedimiento, alertar y los mensajes CONNECT de la llamada H225 del CME, que entonces se devuelven hasta el final al administrador de las Comunicaciones unificadas de Cisco](#)
 28. [La negociación H.245 ocurre. Se establecen las secuencias audios y video RTP](#)
 29. [4085252000 cuelga para arriba la llamada. CUBE-2 recibe el H225 Versión-completo del CME](#)
 30. [Después de recibir/envío Versión-completo, CCM, CUBE-1, CUBE-2 y el CME envían un pedido de desconexión \(DRQ\) a sus porteros respectivos](#)
 31. [CUBE-2 envía Versión-completo a CUBE-1, que entonces envía un mensaje Versión-completo correspondiente al administrador de las Comunicaciones unificadas de Cisco y a las desconexiones de la llamada](#)

'Resultados de la depuración'

Esta sección proporciona las salidas de los debugs para el flujo de llamada discutido en esta sección.

Haga clic estos enlaces hipertexto para la salida de los debugs completa:

- [GK-CUBE-1](#)

- [GK-CUBE-2](#)
- [CME-1](#)

[Paso 1](#)

El teléfono del IP (919-392-2000) hace una llamada al teléfono del IP (408-525-2000).

[Paso 2](#)

Cisco unificó al administrador de la comunicación prefija un 3# al llamar-número y envía una petición ARQ al portero en Site-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 }
```

[Paso 3](#)

Gatekeeper-1 identifica que la llamada es entrante de la zona de CCM y marca si hay una zona del invia configurada.

(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: //xxxxxxxxxxxxxx/xxxxxxxxxxxxxx/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
```

[Paso 4](#)

Gatekeeper-1 determina CCM-CUBE como la zona del invia para la zona CCM e intenta encontrar un gateway IP-IP en la zona CCM-CUBE.

(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
```

[Paso 5](#)

Gatekeeper-1 encuentra el gateway local IP-IP (CUBE-1) y envía la dirección IP del gateway (14.50.201.17) en la respuesta ACF.

(GK-CUBE-1.txt)

```
008895: *Jul 24 06:49:52.604:
//xxxxxxxxxxxxxx/xxxxxxxxxxxxxx/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: //xxxxxxxxxxxxxx/xxxxxxxxxxxxxx/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 } }
```

Paso 6

Cisco unificó al administrador de la comunicación envía un mensaje setup H225 a 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/xxxxxxxxxxxxxx/H323/cch323_h225_receiver: Received msg of type SETUPIND_CHOSEN 008918: *Jul 24
06:49:52.664: //-1/xxxxxxxxxxxxxx/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
```

Paso 7

CUBE-1 envía una petición ARQ con el “answerCall” fijó PARA VERDAD a Gatekeeper-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 }
```

Paso 8

Gatekeeper-1 envía una respuesta ACF a 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 } } } }
```

Paso 9

CUBE-1 después hace juego el dial peer de entrada 919 y al dial-peer de salida 408 y envía una petición ARQ para 3#4085252000 a Gatekeeper-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
C792C312C39313933393232303030D0A0D0A0120 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 }
```

Paso 10

CUBE-1 envía el mensaje de procedimiento de la llamada H225 a Cisco unificó al administrador de la comunicación.

```
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 } }
```

Paso 11

Pues no hay zonas del invia configuradas para la zona CCM-CUBE, Gatekeeper-1 realiza el proceso normal ARQ. Encuentra el tecnología-prefijo 3# en el número de destino.

(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:
//xxxxxxxxxxxxxx/xxxxxxxxxxxxxx/GK/gk_rassrv_get_ingress_network: ARQ non-std ingress network = 2
```

Paso 12

3# se configura como prefijo del hopoff para la zona remota CME-CUBE. Por lo tanto, Gatekeeper-1 envía un LRQ (Location Request) a Gatekeeper-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
6E38C43570518C030003010E32CA1F018116020480C4C6C5533340050043005500420045002D00
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 }
```

[Paso 13](#)

Gatekeeper-2 recibe el LRQ y lo identifica que el LRQ es de la zona remota CCM-CUBE. Marca si hay una zona del invia configurada para la zona remota CCM-CUBE.

(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
```

[Paso 14](#)

Gatekeeper-2 determina CME-CUBE como la zona del invia para la zona CCM-CUBE e intenta encontrar un gateway IP-IP en CME-CUBE.

(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:
//xxxxxxxxxxxx/xxxxxxxxxxxx/GK/gk_gw_select_ipipgw_random: Selecting IPIPGW based on tech
prefix. qe Kemp.head=0x8606CA90, use_count=1, current_endpt=1
```

[Paso 15](#)

Gatekeeper-2 encuentra el gateway local IP-IP (CUBE-2) y envía la dirección IP del gateway (14.1.123.95) en la respuesta LCF.

(GK-CUBE-2.txt)

```
026322: *Sep 24 12:43:19.186:
  //xxxxxxxxxxxx/xxxxxxxxxxxx/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:
//xxxxxxxxxxxx/xxxxxxxxxxxx/GK/gk_gw_select_ipipgw_random: Selected an IPIPGW. 026324: *Sep 24
12:43:19.190: //xxxxxxxxxxxx/xxxxxxxxxxxx/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: //xxxxxxxxxxxx/xxxxxxxxxxxx/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 : '49414D2C0D0A4745412C74727332C30302C312C...'H } 026327: *Sep 24 12:43:19.198: H225
NONSTD OUTGOING ENCODE BUFFER ::= 80014005004300
5500420045002D00320E0043004D0045002D004300550042004501000140050043005500420045002
```

```
D0032000E017B5F06B8000000000000000000000000004802B00002749414D2C0D0A4745412C747273332C3
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
'800140050043005500420045002D00320E004300...'H } destinationInfo { dialedDigits : "3#4085252000"
} destinationType { gateway { } mc FALSE undefinedNode FALSE } }
```

[Paso 16](#)

Gatekeeper-1 recibe la respuesta LCF y envía una respuesta ACF con la dirección IP de CUBE-2 a 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
C5533340050043005500420045002D00310105806073B8585333058016020480C4C6C55333400500
43005500420045002D00312B00002749414D2C0D0A4745412C747273332C30302C312C792C792C31
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 } } }
```

[Paso 17](#)

CUBE-1 envía un mensaje setup H225 a 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
00040140050043005500420045002D003128C0B50000120B436973636F4761746577617900324
0023C0504010020502C050100000105806073B858533300006E38C43570518C030003010E32CA1
F00CD0D800007000E32C9119E4B1100006E38C43570518C030003010E32CA1F010001000180018
010A801805C0140B500001255E0011200011C351C339E0100036774640000002849414D2C0D0A4
745412C747273332C30302C312C792C792C312C393139333932323030300D0A0D0A0A500400010
3001127F8000000000000000000000000000000002F0204677464012849414D2C0D0A4745412C747
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
```

[Paso 18](#)

CUBE-2 envía una petición ARQ con el “answerCall” fijó PARA VERDAD a Gatekeeper-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 }
```

[Paso 19](#)

Gatekeeper-2 envía una respuesta ACF a 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 } } } }
```

[Paso 20](#)

CUBE-2 después hace juego el dial peer de entrada 919 y al dial-peer de salida 408 y envía una petición ARQ para 3#4085252000 a Gatekeeper-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 }
```

[Paso 21](#)

CUBE-2 envía un mensaje de procedimiento de la llamada H225 a 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::=
80A1001127F800000000000000000000000000000000000000000000000000000000 026468: *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
'80A1001127F800000000000000000000000000000000000000000000000000000000...H } } } }
```

Paso 22

Porque no hay zonas del invia configuradas para la zona CCM-CUBE, Gatekeeper-2 realiza el proceso normal ARQ. Encuentra el prefijo de la tecnología 3# en el número de destino.

(GK-CUBE-2.txt)

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

Paso 23

Gatekeeper-2 utiliza los dígitos restantes (4085252000) para encontrar una coincidencia del prefijo de zona. Determina que la zona CME puede manejar este prefijo 408 e intentos para encontrar un gateway que se registre en la zona CME con un tecnología-prefijo 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:
//xxxxxxxxxxxx/xxxxxxxxxxxx/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
```

Paso 24

Gatekeeper-2 selecciona el CME como el gateway de destino y envía su dirección IP (14.1.103.74) en la respuesta 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::=
00020480C4C6C5533340050043005500420045002D00320105806073B8585333
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 } } } }

```

Paso 25

CUBE-2 recibe la respuesta ACF y envía un mensaje setup H225 al 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
'80A50004000103001127F80000000000000000...'H } } } } 026550: *Sep 24 12:43:19.775: H225.0
OUTGOING ENCODE BUFFER::= 20A0060008914
A00040140050043005500420045002D003228C0B50000120B436973636F47617465776179003

```



```

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/xxxxxxxxxxxxx/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 = 8800009 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

```

Paso 28

La negociación H.245 ocurre. Se establecen las secuencias audios y video 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
88175000A801380003C0001000001000001000000CC0010001000D80000021403B80000120C02
780000220402780000321803B80000421C03B800005240001058000062408010580000722800
580000822C00580000919D800080EFF007040010080000A1C001560000700088171000001400
F000202914002A2004E80000B85014080000C85011080002B850150008000030800000001000
2000300040005000600070008010009000A01000B000C00002B

```

```

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
    8817500078013800014000100000100000100000CC001000100068000218A061404302D31368
    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
      }
    }
  }
}

```

```
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/xxxxxxxxxxxxx/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/xxxxxxxxxxxxx/H323/cch245_event_handler:
  callID=23
026905: *Sep 24 12:43:26.105: //-1/xxxxxxxxxxxxx/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
88175000780138000140001000001000001000000CC0010001000680000218A061404302D31368
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_msdc:
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_msdcf:
    Received event H245_EVENT_MS_CFM
026979: *Sep 24 12:43:26.350: //-1/xxxxxxxxxxxxx/H323/cch323_do_msdcf_info:
    callID=23, sending event CC_EV_H245_MSDCF_INFO, msdcf 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/xxxxxxxxxxxxx/H323/cch245_event_handler:
    callID=24
026983: *Sep 24 12:43:26.354: //-1/xxxxxxxxxxxxx/H323/cch245_event_handler:
    Event CC_EV_H245_MSDCF_INFO: data ptr=0x854C36E4
026984: *Sep 24 12:43:26.354: //24/006E38C40300/H323/cch323_run_passthru_msdcf:
    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_MSDCF_CFM while at state IWF_AWAIT_MSDCF_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_MSDCF_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_msdc:
      Received event H245_EVENT_MS_CFM
027001: *Sep 24 12:43:26.370: //-1/xxxxxxxxxxxxx/H323/cch323_do_msdc_info:
      callID=24, sending event CC_EV_H245_MSDC_INFO, msdc 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/xxxxxxxxxxxxx/H323/cch245_event_handler:
      callID=23
027005: *Sep 24 12:43:26.370: //-1/xxxxxxxxxxxxx/H323/cch245_event_handler:
      Event CC_EV_H245_MSDC_INFO: data ptr=0x854C3870
027006: *Sep 24 12:43:26.374: //23/006E38C40300/H323/cch323_run_passthru_msdc:
      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_MSDC_CFM while at state IWF_AWAIT_MSDC_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_MSDC_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:
      H245ASND decodePdu 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:
      H245ASNDcodePdu 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_uhan_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_uhan_ind:
      channel_number: 2
027112: *Sep 24 12:43:26.498: //23/006E38C40300/H323/cch323_h245_uhan_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/xxxxxxxxxxxxx/H323/cch245_event_handler:
callID=24
027125: *Sep 24 12:43:26.506: //-1/xxxxxxxxxxxxx/H323/cch245_event_handler:
Event CC_EV_H245_OPEN_CHANNEL_IND received, channelInfo ptr 0x86041E80
027126: *Sep 24 12:43:26.506: //-1/xxxxxxxxxxxxx/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/xxxxxxxxxxxxx/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:
H245ASNDcodePdu 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: //xxxxxxxxxxxxx/xxxxxxxxxxxxx/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 3900310045004400390034003000300030003000300030003000300031006E38C43570518C030003010E32CA1F0100 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: //xxxxxxxxxxxxx/xxxxxxxxxxxxx/GK/gk_rassrv_brq: state = 0xF
027205: *Sep 24 12:43:26.582: //xxxxxxxxxxxxx/xxxxxxxxxxxxx/GK/gk_rassrv_brq: brqp=0x852FFA80, crv=0x10, bandWidth=8320
027206: *Sep 24 12:43:26.582: //xxxxxxxxxxxxx/xxxxxxxxxxxxx/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

```

```

0039003100450044003900340030003000300030003000300031006E38C43570518C030003
010E32CA1F000F4020801508001100006E38C43570518C030003010E32CA1F0180
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:
      H245ASNDcodePdu 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/xxxxxxxxxxxxx/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/xxxxxxxxxxxxx/H323/cch245_event_handler:
callID=23
027255: *Sep 24 12:43:26.626: //-1/xxxxxxxxxxxxx/H323/cch245_event_handler:
Event CC_EV_H245_OPEN_CHANNEL_ACK received, channelInfo ptr 0x86041E80
027256: *Sep 24 12:43:26.626: //-1/xxxxxxxxxxxxx/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_rcvdata: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
 0039003100450044003900340030003000300030003000300031006E38C43570518C030003
 010E32CA1F000F4020801508001100006E38C43570518C030003010E32CA1F0180

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::=
      22C000000480101C000000E017B5F4184000E017B5F4185
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_rcvdata: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:
    H245ASNDcodePdu 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
        }
    }
}

```

Paso 29

4085252000 cuelga para arriba la llamada. CUBE-2 recibe el H225 Versión-completo del 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(Responded=TRUE, Cause Value=16, Retry Count=0)

```

Paso 30

Después de recibir/envío Versión-completo, CCM, CUBE-1, CUBE-2 y el CME envían un pedido de desconexión (DRQ) a sus porteros respectivos.

(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 }
```

[Paso 31](#)

CUBE-2 envía Versión-completo a CUBE-1, que entonces envía un mensaje Versión-completo correspondiente al administrador de las Comunicaciones unificadas de Cisco y a las desconexiones de la llamada.

(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 } }
```

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