

# Gateway H.320 al flujo de llamada del vídeo del portero de H.323

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## [Introducción](#)

Este documento describe el flujo de una llamada de video básica de una gateway H.320 a un gatekeeper H.323. H.320 es una recomendación de ITU-T para las llamadas de datos multimedia, voz y vídeo sobre redes ISDN.

El H.320 consiste en estos protocolos:

- H.221 — Define la estructura de trama para los teleservicios audio-visuales a través de 1 o más canal B ISDN.
- H.230 — Define el control y las señales de información usados en un sistema audio-visual.
- H.242 — Define los procedimientos de señalización, tales como inicialización del modo, intercambio de las capacidades, y transferencia del modo requerida establecer una llamada de las multimedias.

Cada llamada video H.320 consiste en una llamada primaria y llamadas cero o más secundario. Por ejemplo, una llamada video 128K consiste en 1 llamada primaria y 1 llamada secundaria.

## [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.

- Gateway H.320: Cisco 3725 con NM-HDV2 (5510 DSP)
- Portero de H.323: Cisco 3660
- Terminal de video de H.323: Polycom V500
- Ancho de banda = 384K

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

Refiera a los [convenios de los consejos técnicos de Cisco](#) para la información sobre las convenciones sobre documentos.

## Configurar

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

**Nota:** Use la [Command Lookup Tool \(clientes registrados solamente\)](#) para obtener más información sobre los comandos usados en esta sección.

## Diagrama de la red

En este documento, se utiliza esta configuración de red:

## Plan de marcado

Este documento utiliza este Plan de marcado:

- Punto final de video en el PSTN: 919-392-6000H.320 primario número al que se llamó: 919-392-6000Números llamados secundarios H.320: 919-392-6001 a 919-392-6005
- Polycom: 919-991-5600H.320 primario número al que se llamó: 919-991-5600Números llamados secundarios H.320: 919-991-5601 a 919-991-5605

## Configuración

Este documento usa esta configuración:

## Nombre 1 de la configuración de gateway DevicH.320

```
voice class h323 1
!--- Slow start is required for Video calls call start
slow voice class called number inbound 1 index 1
9199915601 index 2 9199915602 index 3 9199915603 index 4
9199915604 index 5 9199915605 voice class called number
outbound 1 index 1 9193926001 index 2 9193926002 index 3
9193926003 index 4 9193926004 index 5 9193926005
controller T1 2/0 framing esf linecode b8zs pri-group
timeslots 1-24 interface Serial2/1:23 no ip address
encapsulation hdlc isdn switch-type primary-ni !---
Specifies gateway to accept data, voice and video !---
calls on the same ISDN interface isdn integrate calltype
all no cdp enable dial-peer voice 9190 pots description
" inbound H320 Dial-peer" !--- Specifies that this is a
H.320 dial-peer information-type video !--- Specifies
the list of called-numbers used to associate !---
secondary calls with primary call of an inbound video
call voice-class called-number inbound 1 !--- Specifies
the list of called-numbers used for !--- making
secondary calls of an outbound video call voice-class
called-number outbound 1 incoming called-number
919991.... !--- Maximum bandwidth allowed for a video
call !--- across this dial-peer bandwidth maximum 384
direct-inward-dial port 2/1:23 forward-digits all dial-
peer voice 9910 voip description "Dial-peer to Polycom"
destination-pattern 919991.... voice-class h323 1 !---
Specifies video codec to be used video codec h263+ !---
Specifies the RTP Payload Type to be used !--- for the
Video codec rtp payload-type cisco-codec-video-h263+ 110
session target ras incoming called-number 919392....
codec g711ulaw no vad
```

## Consumo de ancho de banda

La llamada video descrita en este documento utiliza el ancho de banda 384K.

Consumo de ancho de banda de la llamada video:

```
= 384K
= 6 * 64K
= 6 B-Channels
= 1 H.320 Primary call and 5 Secondary calls
```

## Ejemplo del flujo de llamada

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

1. Una llamada ISDN del PSTN llega el gateway H.320 con 919-991-5600 como número al que se llamó, capacidad portadora (capacidad portadora) se fija a *Digitaces sin restricción* a través de B-channel=1.
2. El gateway H.320 realiza la búsqueda del dial-peer entrante. Puesto que la capacidad portadora se fija a digital sin restricción, primero busca para el POTS dial peer H.320 (dial peer configurados con el conjunto del tipo de información al *vídeo*) y hace juego al dial peer 9190. La primera llamada se llama la llamada primaria.
3. El gateway H.320 realiza la búsqueda de la dial peer saliente y rutea la llamada a través del dial peer 9910.

4. El gateway H.320 envía un pedido de admisión (ARQ) al portero y recibe Confirmación de admisión (ACF) un mensaje.
5. El gateway H.320 envía un mensaje setup H.225 al Polycom.
6. El gateway H.320 recibe un mensaje CONNECT H.225 del Polycom, y la llamada video consigue conectada en la pierna IP.
7. El gateway H.320 envía mensaje ISDN CONNECT (CONECTAR ISDN al PSTN, y la llamada primaria consigue conectada
8. El gateway H.320 envía las capacidades H.221 iniciales a través del tramo pots.
9. H.221 la sincronización de tramas se establece a través del Canal B = 1 (también conocido como el canal inicial o llamada primaria).
10. Después de que se establezca la sincronización de tramas, el Polycom inicia 5 llamadas secundarias uno tras otro. La sincronización de tramas se establece a través de los Canales B 2 a 6 (también conocido como los canales adicionales o llamadas secundarias).
11. El gateway H.320 asocia las llamadas secundarias entrantes del rango de 919-991-5601 a 919-991-5605 a la llamada primaria (paso 2) con el llamar-número **1 entrante de la Voz-clase del** comando, que se define tal y como se muestra en de la configuración.
12. El gateway H.320 y el Polycom intercambian el audio y los capacidad de video y abren los canales lógicos (OLC) para el audio y los secuencia de video a través de la pierna y del tramo pots IP.

## Planificación de capacidad

Antes de que usted ponga el tráfico de video en una red, asegúrese de que el ancho de banda adecuado exista para todas las aplicaciones necesarias. Primero, calcule los requisitos de ancho de banda mínimo para cada aplicación importante (por ejemplo, Voz, vídeo, y los datos). La suma representa el requisito de ancho de banda mínimo para cualquier link específico. Esta cantidad debe consumir el no más que 75 por ciento del ancho de banda total disponible en ese link. Esta regla del 75 por ciento asume que un cierto ancho de banda es necesario para el tráfico de arriba. Los ejemplos del tráfico de arriba incluyen las actualizaciones del Routing Protocol y acodan 2 Keepalives, así como las aplicaciones adicionales, tales como email y tráfico HTTP. Haga que la Voz y el tráfico de video ocupen el no más que 33 por ciento de capacidad del link

### H.323 Video

Según el estándar de H.323, los capacidad de video en los Terminales H.323 son opcionales. Sin embargo, cuando usted implementa los Terminales H.323, las terminales deben soportar el codificador-decodificador H.261, con el soporte opcional para el estándar H.263.

- H.261 — Códec de video para los servicios audiovisuales en los múltiplos de 64 kbps. Los dispositivos H.261-compliant codifican completamente las tramas iniciales. Los dispositivos entonces cifran solamente las diferencias entre las tramas iniciales y subsiguientes para las transmisiones de paquetes mínimas. La compensación de movimiento opcional mejora la calidad de la imagen.
- H.263 — Códec de video para el Servicio telefónico sencillo antiguo (POTS) video. El estándar H.263 es una actualización compatible con versiones anteriores al estándar H.261. El H.263 aumenta perceptiblemente la calidad de la imagen con una técnica de la valoración del movimiento del mitad-pixel, que es un requisito.

## Verificación

Use esta sección para confirmar que su configuración funciona correctamente.

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

- **muestre el resumen de la llamada de voz** `PORT CODEC VAD VTSP STATE VPM STATE`

```
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT 2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT 2/1:23.3
h320s - S_CONNECT S_TSP_CONNECT 2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT 2/1:23.5 h320s -
S_CONNECT S_TSP_CONNECT 2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC h320p --> H.320 Primary
Call; h320s --> H.320 Secondary Call
```

- **muestre a llamada la descripción activa del vídeo** En esta salida, los contadores del rx/tx para una llamada video están señalados solamente para la llamada primaria y no señalados para las llamadas secundarias.

```
tx:H263+ 2056/1616633 à Refers to number of H.221 bytes
transmitted by
the H.320 Gateway across the POTS leg
```

```
rx:H263+ 2175/1231395 à Refers to the number of H.221 bytes received by
the H.320 Gateway across the POTS Leg
```

```
Rx/Tx includes audio, video and signaling information carried across
H.221
frames.
```

```
Telephony call-legs: 6
SIP call-legs: 0
H323 call-legs: 1
Call agent controlled call-legs: 0
SCCP call-legs: 0
Multicast call-legs: 0
Media call-legs: 0
Total call-legs: 7
11F6 : 271 87874530ms.1 +130 pid:9190 Answer 9193926000 active
dur 00:01:14 tx:3585/602280 rx:6686/534880
Tele 2/1:23 (271) [2/1.1] tx:0/0/0ms g711ulaw noise:0 acom:
0 i/0:0/0 dBm
video: h320:Primary tx:H263+ 2056/1616633 rx:H263+ 2175/1231395
11F6 : 272 87874540ms.1 +110 pid:9910 Originate 9199915600 active
dur 00:01:14 tx:8777/2192461 rx:5789/1830054
IP 14.50.5.52:49192 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
```

```
11F7 : 273 87874820ms.1 +0 pid:9190 Answer 9193926000 active
dur 00:01:13 tx:0/0 rx:0/0
Tele 2/1:23 (273) [2/1.2] tx:0/0/0ms None noise:0 acom:0 i/0:0/0 dBm
video: h320:Secondary
11F8 : 274 87875140ms.1 +0 pid:9190 Answer 9193926000 active
dur 00:01:13 tx:0/0 rx:0/0
Tele 2/1:23 (274) [2/1.3] tx:0/0/0ms None noise:0 acom:0 i/0:0/0 dBm
video: h320:Secondary
11F9 : 275 87875460ms.1 +0 pid:9190 Answer 9193926000 active
dur 00:01:13 tx:0/0 rx:0/0
Tele 2/1:23 (275) [2/1.4] tx:0/0/0ms None noise:0 acom:0 i/0:0/0 dBm
video: h320:Secondary
11FA : 276 87875780ms.1 +0 pid:9190 Answer 9193926000 active
dur 00:01:14 tx:0/0 rx:0/0
Tele 2/1:23 (276) [2/1.5] tx:0/0/0ms None noise:0 acom:0 i/0:0/0 dBm
video: h320:Secondary
```

11FB : 277 87876100ms.1 +0 pid:9190 Answer 9193926000 active  
dur 00:01:13 tx:0/0 rx:0/0  
Tele 2/1:23 (277) [2/1.6] tx:0/0/0ms None noise:0 acom:0 i/0:0/0 dBm  
video: h320:Secondary  
Telephony call-legs: 6  
SIP call-legs: 0  
H323 call-legs: 1  
Call agent controlled call-legs: 0  
SCCP call-legs: 0  
Multicast call-legs: 0  
Media call-legs: 0  
Total call-legs: 7

• **muestre el vídeo del active de la llamada TRAMO POTS — Llamada primaria** GENERIC:

SetupTime=87874530 ms  
Index=1  
PeerAddress=9193926000  
PeerSubAddress=  
PeerId=9190  
PeerIfIndex=120  
LogicalIfIndex=61  
ConnectTime=87874660 ms  
CallDuration=00:01:39 sec  
CallState=4  
CallOrigin=2  
ChargedUnits=0  
InfoType=video  
TransmitPackets=4853  
TransmitBytes=815304  
ReceivePackets=9223  
ReceiveBytes=737840  
TELE:  
ConnectionId=[0x37D44522 0x532111DB 0x801B000D 0x28D3D7C0]  
IncomingConnectionId=[0x37D44522 0x532111DB 0x801B000D 0x28D3D7C0]  
CallID=271  
TxDuration=0 ms  
VoiceTxDuration=0 ms  
FaxTxDuration=0 ms  
CoderTypeRate=g711ulaw  
NoiseLevel=0  
ACOMLevel=0  
OutSignalLevel=0  
InSignalLevel=0  
InfoActivity=0  
ERLLevel=0  
SessionTarget=  
ImgPages=0  
CallerName=  
CallerIDBlocked=False  
LongDurationCallDetected=no  
LongDurCallTimeStamp=  
LongDurCallDuration=  
OriginalCallingNumber=9193926000  
OriginalCallingOctet=0x21  
OriginalCalledNumber=9199915600  
OriginalCalledOctet=0xA1  
OriginalRedirectCalledNumber=  
OriginalRedirectCalledOctet=0xFF  
TranslatedCallingNumber=9193926000  
TranslatedCallingOctet=0x21  
TranslatedCalledNumber=9199915600  
TranslatedCalledOctet=0xA1  
TranslatedRedirectCalledNumber=  
TranslatedRedirectCalledOctet=0xFF

GwReceivedCalledNumber=9199915600  
GwReceivedCalledOctet3=0xA1  
GwReceivedCallingNumber=9193926000  
GwReceivedCallingOctet3=0x21  
GwReceivedCallingOctet3a=0x82  
DSPIdentifier=2/3:1  
VIDEO:  
H320CallType=Primary  
VideoTransmitCodec=H263+  
VideoReceiveCodec=H263+  
VideoUsedBandwidth=3840  
H221 STATS (AUDIO):  
TxPackets=9123  
TxDuration=91230 ms  
RxPackets=4561  
RxDuration=91130 ms  
BadHeaders=0  
PacketsLate=0  
PacketsEarly=1  
ReceiveDelay=35 ms  
ConcealmentDuration=0 ms  
BufferOverflowDiscards=80  
H221 STATS (VIDEO):  
TxPackets=2958  
TxBytes=2547987  
PSC=2686 --> Number of Picture Start Codes detected  
GBSC=2686 --> Number of Group of Block Start Codes detected  
TxVideoFormat=7  
RxPackets=3037  
RxBytes=1999240  
VideoBytesConsumed=1986099  
FillBytesConsumed=1658651  
PSCPaketDrops=0 --> Number of packets dropped at beginning of  
stream due to missing Picture Start Code  
LatePacket=0  
OutOfSequence=0  
BadHeader=0  
BadSSRC=0  
BadPayloadType=0  
BufferOverflow=0  
ControlHeaderOverflow=0  
FilteredDelay=450 ms --> Average delay of received video packets  
MinimumDelay=3 ms  
MaximumDelay=619 ms  
RxVideoFormat=7 **TRAMO POTS — Llamada secundaria**GENERIC:  
SetupTime=87874820 ms  
Index=1  
PeerAddress=9193926000  
PeerSubAddress=  
PeerId=9190  
PeerIfIndex=120  
LogicalIfIndex=62  
ConnectTime=87874820 ms  
CallDuration=00:01:44 sec  
CallState=4  
CallOrigin=2  
ChargedUnits=0  
InfoType=video  
TransmitPackets=0  
TransmitBytes=0  
ReceivePackets=0  
ReceiveBytes=0  
TELE:

ConnectionId=[0x38016FD6 0x532111DB 0x801C000D 0x28D3D7C0]  
IncomingConnectionId=[0x37D44522 0x532111DB 0x801B000D 0x28D3D7C0]  
CallID=273  
TxDuration=0 ms  
VoiceTxDuration=0 ms  
FaxTxDuration=0 ms  
CoderTypeRate=None  
NoiseLevel=0  
ACOMLevel=0  
OutSignalLevel=0  
InSignalLevel=0  
InfoActivity=0  
ERLLevel=0  
SessionTarget=  
ImgPages=0  
CallerName=  
CallerIDBlocked=False  
LongDurationCallDetected=no  
LongDurCallTimeStamp=  
LongDurCallDuration=  
OriginalCallingNumber=9193926000  
OriginalCallingOctet=0x21  
OriginalCalledNumber=9199915601  
OriginalCalledOctet=0xA1  
OriginalRedirectCalledNumber=  
OriginalRedirectCalledOctet=0xFF  
TranslatedCallingNumber=9193926000  
TranslatedCallingOctet=0x21  
TranslatedCalledNumber=9199915601  
TranslatedCalledOctet=0xA1  
TranslatedRedirectCalledNumber=  
TranslatedRedirectCalledOctet=0xFF  
GwReceivedCalledNumber=9199915601  
GwReceivedCalledOctet3=0xA1  
GwReceivedCallingNumber=9193926000  
GwReceivedCallingOctet3=0x21  
GwReceivedCallingOctet3a=0x82  
VIDEO:

H320CallType=Secondary **PIERNA IP**GENERIC:

SetupTime=87874540 ms  
Index=1  
PeerAddress=9199915600  
PeerSubAddress=  
PeerId=9910  
PeerIfIndex=121  
LogicalIfIndex=0  
ConnectTime=87874650 ms  
CallDuration=00:01:41 sec  
CallState=4  
CallOrigin=1  
ChargedUnits=0  
InfoType=speech  
TransmitPackets=12528  
TransmitBytes=3429599  
ReceivePackets=8123  
ReceiveBytes=2914089

VOIP:

ConnectionId[0x37D44522 0x532111DB 0x801B000D 0x28D3D7C0]  
IncomingConnectionId[0x37D44522 0x532111DB 0x801B000D 0x28D3D7C0]  
CallID=272  
RemoteIPAddress=14.50.5.52  
RemoteSignallingIPAddress=14.50.5.52  
RemoteSignallingPort=1720



RemoteMediaIPAddress=14.50.5.52  
RoundTripDelay=0 ms  
tx\_DtmfRelay=inband-voice  
FastConnect=FALSE

AnnexE=FALSE

Separate H245 Connection=TRUE

H245 Tunneling=FALSE

SessionProtocol=cisco  
ProtocolCallId=  
SessionTarget=ras  
OnTimeRvPlayout=0  
GapFillWithSilence=0 ms  
GapFillWithPrediction=0 ms  
GapFillWithInterpolation=0 ms  
GapFillWithRedundancy=0 ms  
HiWaterPlayoutDelay=0 ms  
LoWaterPlayoutDelay=0 ms  
TxPakNumber=0  
TxSignalPak=0  
TxComfortNoisePak=0  
TxDuration=0  
TxVoiceDuration=0  
RxPakNumber=0  
RxSignalPak=0  
RxComfortNoisePak=0  
RxDuration=0  
RxVoiceDuration=0  
RxOutOfSeq=0  
RxLatePak=0  
RxEarlyPak=0  
RxBadProtocol=0  
PlayDelayCurrent=0  
PlayDelayMin=0  
PlayDelayMax=0  
PlayDelayClockOffset=0  
PlayDelayJitter=0 ms  
PlayErrPredictive=0  
PlayErrInterpolative=0  
PlayErrSilence=0  
PlayErrBufferOverflow=0  
PlayErrRetroactive=0  
PlayErrTalkspurt=0  
OutSignalLevel=0  
InSignalLevel=0  
LevelTxPowerMean=0  
LevelRxPowerMean=0  
LevelBgNoise=0  
ERLLevel=0  
ACOMLevel=0  
ErrRxDrop=0  
ErrTxDrop=0  
ErrTxControl=0  
ErrRxControl=0  
Outgoing Area=Video-GK  
VideoTransmitCodec=H263+  
VideoTransmitPackets=0  
VideoTransmitBytes=0  
VideoReceiveCodec=H263+  
VideoReceivePackets=0  
VideoReceiveBytes=0

```
VideoCap_Codec=H263+
VideoCap_Format=4CIF
VideoLostPackets=0
VideoEarlyPackets=0
VideoLatePackets=0
VideoUsedBandwidth=7300
VideoNumberOfChannels=2
```

```
Incoming Channel Number = 3
Type = VIDEO
RX Bandwidth = 3010
RemotePort = 49192
LocalPort = 18982
SelectedQos = best-effort
Incoming Channel Number = 2
Type = AUDIO
RX Bandwidth = 640
RemotePort = 49190
LocalPort = 16640
SelectedQos = best-effort
```

```
ReceiveDelay=0 ms
LostPackets=0
EarlyPackets=0
LatePackets=0
SRTP = off
TextRelay = off
VAD = disabled
CoderTypeRate=g711ulaw
CodecBytes=160
Media Setting=flow-through
AlertTimepoint=87874600 ms
```

• **muestre las conexiones del rtp del voip** VoIP RTP active connections :

```
No. CallId dstCallId LocalRTP RmtRTP LocalIP RemoteIP
1 272 271 16640 49190 14.1.16.220 14.50.5.52
2 278 279 18982 49192 14.1.16.220 14.50.5.52
Found 2 active RTP connections
```

## Troubleshooting

En esta sección encontrará información que puede utilizar para solucionar problemas de configuración.

## Comandos de Debug

- debug h225 asn1
- h225 q931 del debug
- asn1 del debug h245
- debug isdn q931
- inout del voip h221 del debug
- debug voip ccapi inout

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

## 'Resultados de la depuración'

Esta sección proporciona las salidas de los debugs para este flujo de llamada de la muestra:

1. [CONFIGURACIÓN entrante con número al que se llamó = 9199915600 y capacidad portadora fijada a Digitaces sin restricción](#)
2. [Corresponden con al dial peer de entrada 9190](#)
3. [Corresponden con al dial-peer de salida 9910](#)
4. [El gateway H.320 envía la petición ARQ al portero](#)
5. [El gateway H.320 recibe la respuesta ACF del portero](#)
6. [El gateway H.320 envía el mensaje setup H.225 al Polycom](#)
7. [La llamada consigue conectada en la pierna IP](#)
8. [El gateway H.320 envía CONECTA en el lado ISDN y la llamada consigue conectada](#)
9. [El gateway H.320 envía el conjunto inicial de la capacidad](#)
10. [La sincronización de tramas se establece a través del Canal B 1](#)
11. [El gateway H.320 recibe la primera llamada secundaria](#)
12. [La primera llamada secundaria consigue conectada](#)
13. [La sincronización de tramas se establece a través del Canal B 2](#)
14. [El gateway H.320 recibe la segunda llamada secundaria](#)
15. [La llamada en segundo lugar secundaria consigue conectada](#)
16. [El gateway H.320 recibe los BA ordena del punto final de video en el PSTN](#)
17. [La sincronización de tramas se establece a través del Canal B 3](#)
18. [El gateway H.320 recibe la tercera llamada secundaria](#)
19. [La tercera llamada secundaria consigue conectada](#)
20. [La sincronización de tramas se establece a través del Canal B 4](#)
21. [El gateway H.320 recibe la cuarta llamada secundaria](#)
22. [La cuarta llamada secundaria consigue conectada](#)
23. [La sincronización de tramas se establece a través del Canal B 4](#)
24. [El gateway H.320 recibe la quinta llamada secundaria](#)
25. [La quinta llamada secundaria consigue conectada](#)
26. [La sincronización de tramas se establece a través del Canal B 6](#)
27. [El gateway H.320 recibe la capacidad fijada del punto final de video en el PSTN](#)
28. [El gateway H.320 envía la capacidad fijada al punto final de video en el PSTN](#)
29. [El gateway H.320 hace publicidad de las capacidades audios \(G711ulaw\) y video \(H.263\) vía el TCS al Polycom a través de la pierna IP](#)
30. [El gateway H.320 envía la petición MSD al Polycom](#)
31. [El gateway H.320 recibe el conjunto audio \(G.722, G.728, G.711\) y video de Polycom de la capacidad \(H.263\)](#)
32. [El gateway H.320 envía TCS ACK al Polycom](#)
33. [El gateway H.320 recibe la petición MSD del Polycom](#)
34. [El gateway H.320 envía MSD ACK al Polycom](#)
35. [El gateway H.320 recibe TCS ACK del Polycom](#)
36. [El gateway H.320 recibe MSD ACK del Polycom](#)
37. [El gateway H.320 recibe OLC audio \(G.711\) del Polycom](#)
38. [Modo del audio saliente de los gateways establecidos H.320 a través del tramo pots](#)
39. [El gateway H.320 envía OLC audio ACK al Polycom](#)
40. [El gateway H.320 recibe el vídeo OLC \(H.263\) del Polycom](#)
41. [Fijan al tipo de carga útil RTP para el secuencia de video H.263 del Polycom al gateway H.320 a 96](#)
42. [Modo video saliente de los gateways establecidos H.320 a través del tramo pots](#)

43. [El gateway H.320 envía el vídeo OLC ACK al Polycom](#)
44. [El gateway H.320 envía el audio indica el control activo y la señal de información al punto final de video remoto en el PSTN](#)
45. [El punto final de video en el PSTN fija la velocidad de transferencia y al modo de audio](#)
46. [El gateway H.320 envía OLC audio \(G.711\) al Polycom](#)
47. [El gateway H.320 recibe OLC audio ACK del Polycom](#)
48. [El punto final de video en el PSTN fija el modo video](#)
49. [El gateway H.320 recibe el audio indica el control activo y la señal de información del punto final de video remoto en el PSTN](#)
50. [El gateway H.320 envía el vídeo OLC \(H.263\) al Polycom](#)
51. [Fijan al tipo de carga útil RTP para el secuencia de video H.263 del gateway H.320 al Polycom a 110](#)
52. [El gateway H.320 recibe el vídeo OLC ACK del Polycom](#)
53. [El gateway H.320 recibe la petición rápida video de la imagen de la actualización \(VFU\) del Polycom](#)
54. [El gateway H.320 envía el control de la imagen de la actualización y la señal de información rápidos video al punto final de video en el PSTN](#)
55. [El gateway H.320 recibe el comando de control de flujo del Polycom](#)
56. [El gateway H.320 envía el comando de control de flujo al punto final de video en el PSTN](#)
57. [El gateway H.320 envía el comando de control de flujo al Polycom](#)
58. [El gateway H.320 recibe el comando de control de flujo del punto final de video en el PSTN](#)
59. [El gateway H.320 envía el comando de control de flujo al Polycom](#)
60. [El punto final de video en el PSTN desconecta la llamada video](#)
61. [El gateway H.320 borra la llamada en la pierna IP](#)
62. [El gateway H.320 envía el DRQ al portero](#)

## [CONFIGURACIÓN entrante con número al que se llamó = 9199915600 y capacidad portadora fijada a Digitaces sin restricción](#)

Ésta es la llamada primaria H.320.

```
001297: Oct 4 21:02:10.563: RCF (seq# 2048) rcvd
001298: Oct 4 21:02:16.748: ISDN Se2/1:23 Q931:
    RX <- SETUP pd = 8 callref = 0x009F
Bearer Capability i = 0x8890
Standard = CCITT
Transfer Capability = Unrestricted Digital
Transfer Mode = Circuit
Transfer Rate = 64 kbit/s
Channel ID i = 0xA98381
Exclusive, Channel 1
Display i = '111'
Calling Party Number i = 0x2182, '9193926000'
Plan:ISDN, Type:National
Called Party Number i = 0xA1, '9199915600'
Plan:ISDN, Type:National
001299: Oct 4 21:02:16.756:
    //-1/736483928021/CCAPI/cc_api_display_ie_subfields:
cc_api_call_setup_ind_common:
cisco-username=
----- ccCallInfo IE subfields -----
cisco-ani=9193926000
cisco-anitype=2
```

cisco-aniplan=1  
cisco-anipi=0  
cisco-anisi=2  
dest=9199915600  
cisco-desttype=2  
cisco-destplan=1  
cisco-rdie=FFFFFFFF  
cisco-rdn=  
cisco-rdntype=-1  
cisco-rdnplan=-1  
cisco-rdnpi=-1  
cisco-rdnsi=-1  
cisco-redirectreason=-1 fwd\_final\_type =0  
final\_redirectNumber =  
hunt\_group\_timeout =0

## Corresponden con al dial peer de entrada 9190

```
001300: Oct 4 21:02:16.756: //-1/736483928021/CCAPI/  
      cc_api_call_setup_ind_common:  
Interface=0x65A8CAD4, Call Info(  
Calling Number=9193926000,(Calling Name)=(TON=National,  
      NPI=ISDN, Screening=User, Failed, Presentation=Allowed),  
Called Number=9199915600(TON=National, NPI=ISDN),  
Calling Translated=FALSE, Subscriber Type Str=RegularLine,  
      FinalDestinationFlag=TRUE,  
Incoming Dial-peer=9190, Progress Indication=NULL(0), Calling IE Present=TRUE,  
Source Trkgrp Route Label=, Target Trkgrp Route Label=,  
      CLID Transparent=FALSE), Call Id=-1  
001301: Oct 4 21:02:16.756: //-1/736483928021/CCAPI/ccCheckClipClir:  
In: Calling Number=9193926000(TON=National, NPI=ISDN, Screening=User, Failed,  
      Presentation=Allowed)  
001302: Oct 4 21:02:16.756: //-1/736483928021/CCAPI/ccCheckClipClir:  
Out: Calling Number=9193926000(TON=National, NPI=ISDN, Screening=User, Failed,  
      Presentation=Allowed)  
001303: Oct 4 21:02:16.756: //-1/xxxxxxxxxxxx/CCAPI/cc_get_feature_vsa:  
  
001304: Oct 4 21:02:16.756: :cc_get_feature_vsa malloc success  
001305: Oct 4 21:02:16.756: //-1/xxxxxxxxxxxx/CCAPI/cc_get_feature_vsa:  
  
001306: Oct 4 21:02:16.756: cc_get_feature_vsa count is 1  
001307: Oct 4 21:02:16.756: //-1/xxxxxxxxxxxx/CCAPI/cc_get_feature_vsa:  
  
001308: Oct 4 21:02:16.756: :FEATURE_VSA attributes are: feature_name:0,  
      fearture_time:1710265896,feature_id:78  
001309: Oct 4 21:02:16.756:  
      //280/736483928021/CCAPI/cc_api_call_setup_ind_common:  
Set Up Event Sent;  
Call Info(Calling Number=9193926000(TON=National, NPI=ISDN, Screening=User,  
      Failed, Presentation=Allowed),  
Called Number=9199915600(TON=National, NPI=ISDN))  
001310: Oct 4 21:02:16.760: //280/736483928021/CCAPI/cc_process_call_setup_ind:  
Event=0x6587C660  
001311: Oct 4 21:02:16.760: //280/736483928021/CCAPI/ccCallSetContext:  
Context=0x64C5F570  
001312: Oct 4 21:02:16.760: //280/736483928021/CCAPI/cc_process_call_setup_ind:  
>>>CCAPI handed cid 280 with tag 9190 to app "_ManagedAppProcess_Default"  
001313: Oct 4 21:02:16.764: //280/736483928021/CCAPI/ccCallProceeding:  
Progress Indication=NULL(0)  
001314: Oct 4 21:02:16.764: //280/736483928021/CCAPI/ccCallSetupRequest:  
Destination=, Calling IE Present=TRUE, Mode=0,  
Outgoing Dial-peer=9910, Params=0x64C5DA10, Progress Indication=NULL(0)  
001315: Oct 4 21:02:16.764: //280/736483928021/CCAPI/ccCheckClipClir:
```

```
In: Calling Number=9193926000(TON=National, NPI=ISDN, Screening=User, Failed,
Presentation=Allowed)
001316: Oct 4 21:02:16.764: //280/736483928021/CCAPI/ccCheckClipClir:
Out: Calling Number=9193926000(TON=National, NPI=ISDN, Screening=User, Failed,
Presentation=Allowed)
001317: Oct 4 21:02:16.764: //280/736483928021/CCAPI/ccCallSetupRequest:
Destination Pattern=919991...., Called Number=9199915600, Digit Strip=FALSE
001318: Oct 4 21:02:16.764: //280/736483928021/CCAPI/ccCallSetupRequest:
Calling Number=9193926000(TON=National, NPI=ISDN, Screening=User, Failed,
Presentation=Allowed),
Called Number=9199915600(TON=National, NPI=ISDN),
Redirect Number=, Display Info=
Account Number=, Final Destination Flag=TRUE,
Guid=73648392-5322-11DB-8021-000D28D3D7C0, Outgoing Dial-peer=9910
001319: Oct 4 21:02:16.764:
//280/736483928021/CCAPI/cc_api_display_ie_subfields:
ccCallSetupRequest:
cisco-username=
----- ccCallInfo IE subfields -----
cisco-ani=9193926000
cisco-anitype=2
cisco-aniplan=1
cisco-anipi=0
cisco-anisi=2
dest=9199915600
cisco-desttype=2
cisco-destplan=1
cisco-rdie=FFFFFFFF
cisco-rdn=
cisco-rdntype=-1
cisco-rdnplan=-1
cisco-rdnpi=-1
cisco-rdnsi=-1
cisco-redirectreason=-1 fwd_final_type =0
final_redirectNumber =
hunt_group_timeout =0
```

## [Corresponden con al dial-peer de salida 9910](#)

```
001320: Oct 4 21:02:16.768: //280/736483928021/CCAPI/
ccIFCallSetupRequestPrivate:
Interface=0x65D7A87C, Interface Type=1, Destination=, Mode=0x0,
Call Params(Calling Number=9193926000,(Calling Name=)(TON=National, NPI=ISDN,
Screening=User, Failed, Presentation=Allowed),
Called Number=9199915600(TON=National, NPI=ISDN), Calling Translated=FALSE,
Subscriber Type Str=RegularLine, FinalDestinationFlag=TRUE,
Outgoing Dial-peer=9910, Call Count On=FALSE,
Source Trkgrp Route Label=, Target Trkgrp Route Label=, tg_label_flag=0,
Application Call Id=)
001321: Oct 4 21:02:16.768: //-1/xxxxxxxxxxxx/CCAPI/cc_get_feature_vsa:
001322: Oct 4 21:02:16.768: :cc_get_feature_vsa malloc success
001323: Oct 4 21:02:16.768: //-1/xxxxxxxxxxxx/CCAPI/cc_get_feature_vsa:
001324: Oct 4 21:02:16.768: cc_get_feature_vsa count is 2
001325: Oct 4 21:02:16.768: //-1/xxxxxxxxxxxx/CCAPI/cc_get_feature_vsa:
001326: Oct 4 21:02:16.768: :FEATURE_VSA attributes are: feature_name:0,
feature_time:1710266976,feature_id:79
001327: Oct 4 21:02:16.768:
//281/736483928021/CCAPI/ccIFCallSetupRequestPrivate:
SPI Call Setup Request Is Success; Interface Type=1, FlowMode=1
001328: Oct 4 21:02:16.768: //281/736483928021/CCAPI/ccCallSetContext:
```

Context=0x64C5D9C0

001329: Oct 4 21:02:16.768: //280/736483928021/CCAPI/ccSaveDialpeerTag:

Outgoing Dial-peer=9910

## El gateway H.320 envía la petición ARQ al portero

001330: Oct 4 21:02:16.768: H225 NONSTD OUTGOING PDU ::=

```
value ARQnonStandardInfo ::=
{
sourceAlias
{
}
sourceExtAlias
{
}
callingOctet3a 130
interfaceSpecificBillingId "ISDN 2/1:23"
gtd '49414D2C0D0A50524E2C6973646E2A2C2C4E492A...'H
}
```

001331: Oct 4 21:02:16.772: H225 NONSTD OUTGOING ENCODE BUFFER::=

```
80000010A801820C144953444E20322F313A323380A300A049414D2C0D0A50524
E2C6973646E2A2C2C4E492A2A2A2C0D0A5553492C726174652C632C642C632C310
D0A544D522C30310D0A43504E2C30342C2C312C393139393931353630300D0A434
74E2C30342C2C312C792C332C393139333932363030300D0A4350432C30390D0A46
43492C2C2C2C2C2C792C0D0A4743492C37333634383339323533323131646
2383032313030306432386433643763300D0A0D0A
```

001332: Oct 4 21:02:16.772:

001333: Oct 4 21:02:16.772: RAS OUTGOING PDU ::=

```
value RasMessage ::= admissionRequest :
{
requestSeqNum 2049
callType pointToPoint : NULL
callModel direct : NULL
endpointIdentifier {"65766C6C00000001"}
destinationInfo
{
dialedDigits : "9199915600"
}
srcInfo
{
dialedDigits : "9193926000",
h323-ID : {"Video-GW-2"}
}
bandWidth 179200
callReferenceValue 28
nonStandardData
{
nonStandardIdentifier h221NonStandard :
{
t35CountryCode 181
t35Extension 0
manufacturerCode 18
}
}
data '80000010A801820C144953444E20322F313A3233...'H
}
conferenceID '73648392532211DB8021000D28D3D7C0'H
activeMC FALSE
answerCall FALSE
canMapAlias TRUE
callIdentifier
{
```





```

data '00020480C4C6C593334009005600690064006500...'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
      {
      }
      startTime NULL
      endTime NULL
      terminationCause NULL
    }
  }
}

001345: Oct 4 21:02:16.784: ACF (seq# 2049) rcvd
001346: Oct 4 21:02:16.784: H225 NONSTD INCOMING ENCODE BUFFER::=
      00020480C4C6C5933340090056006900640065006F002D00470057002D0032010
480C4CCC48933
001347: Oct 4 21:02:16.784:
001348: Oct 4 21:02:16.784: H225 NONSTD INCOMING PDU ::=

value ACFnonStandardInfo ::=
{
  srcTerminalAlias
  {
    e164 : "9193926000",
    h323-ID : {"Video-GW-2"}
  }
  dstTerminalAlias
  {
    e164 : "9199915600"
  }
}

parse_acf_nonstd: ACF Nonstd decode succeeded, remlen = 1652959360
001349: Oct 4 21:02:16.792: h323chan_chn_process_read_socket
001350: Oct 4 21:02:16.792: h323chan_chn_process_read_socket: fd=3 of

```

```

type CONNECT_PENDING has data
001351: Oct 4 21:02:16.792: H450 OUTGOING PDU ::=

value CmnArg ::=
{
featureList
{
ssCFreRoutingSupported NULL
ssCTreRoutingSupported NULL
}
}

001352: Oct 4 21:02:16.792: H450 OUTGOING ENCODE BUFFER::= 43000000
001353: Oct 4 21:02:16.792:
001354: Oct 4 21:02:16.792: H450 OUTGOING PDU ::=

value H4501SupplementaryService ::=
{
networkFacilityExtension
{
sourceEntity endpoint : NULL
destinationEntity endpoint : NULL
}
interpretationA pdu discardAnyUnrecognizedInvokePdu : NULL
serviceA pdu rosA pdus :
{
invoke :
{
invokeId 44
opcode local : 85
argument {"43000000"}
}
}
}

001355: Oct 4 21:02:16.792: H450 OUTGOING ENCODE BUFFER::=
        60000110002C0001550443000000
001356: Oct 4 21:02:16.792:
001357: Oct 4 21:02:16.792: H225 NONSTD OUTGOING PDU ::=

value H323_UU_NonStdInfo ::=
{
version 2
protoParam qsigNonStdInfo :
{
iei 4
rawMesg '040288901803A9838128033131316C0C21823931...'H
}
}

001358: Oct 4 21:02:16.796: H225 NONSTD OUTGOING ENCODE BUFFER::=
        60010200010429040288901803A9838128033131316C0C2182393139333932363
        03030700BA139313939393135363030
001359: Oct 4 21:02:16.796:

```

[El gateway H.320 envía el mensaje setup H.225 al Polycom](#)

```

001360: Oct 4 21:02:16.796: H225.0 OUTGOING PDU ::=

value H323_UserInformation ::=
{
h323-uu-pdu
{

```

```
h323-message-body setup :
{
protocolIdentifier { 0 0 8 2250 0 4 }
sourceAddress
{
h323-ID : {"Video-GW-2"}
}
sourceInfo
{
vendor
{
vendor
{
t35CountryCode 181
t35Extension 0
manufacturerCode 18
}
productId '436973636F47617465776179'H
versionId '32'H
}
gateway
{
protocol
{
voice :
{
supportedPrefixes
{

{
prefix dialedDigits : "1#"
}
}
}, h323 :
{
supportedPrefixes
{
}
}
}
}
mc FALSE
undefinedNode FALSE
}
activeMC FALSE
conferenceID '73648392532211DB8021000D28D3D7C0'H
conferenceGoal create : NULL
callType pointToPoint : NULL
sourceCallSignalAddress ipAddress :
{
ip '0E0110DC'H
port 15025
}
callIdentifier
{
guid '73651FB9532211DB817D90162806D3F1'H
}
mediaWaitForConnect FALSE
canOverlapSend FALSE
multipleCalls TRUE
maintainConnection TRUE
}
h4501SupplementaryService
{
```

```
'60000110002C0001550443000000'H
}
h245Tunneling FALSE
nonStandardControl
{
{
nonStandardIdentifier h221NonStandard :
{
t35CountryCode 181
t35Extension 0
manufacturerCode 18
}
data '60010200010429040288901803A9838128033131...'H
}
}
}
}
```

```
001361: Oct 4 21:02:16.804: H225.0 OUTGOING ENCODE BUFFER::=
  20A0060008914A00040140090056006900640065006F002D00470057002D003228C0B5
  0000120B436973636F47617465776179003240023C0504010020402C05010000736483
  92532211DB8021000D28D3D7C000CD0D800007000E0110DC3AB1110073651FB9532211
  DB817D90162806D3F1010001000180018011A010010E60000110002C00015504430000
  000100370140B50000123060010200010429040288901803A9838128033131316C0C21
  8239313933393236303030700BA139313939393135363030
```

```
001362: Oct 4 21:02:16.804:
Q931 Message IE Decodes
Protocol Discriminator : 0x08
CRV Length : 2
CRV Value : 0x001C
Message Type : 0x05: SETUP
Bearer Capability: Length Of IE=4
Data 88188CA5
Calling Party Number: Length Of IE=12
Data 218239313933393236303030
Called Party Number: Length Of IE=11
Data A139313939393135363030
User-User: Length Of IE=200
Data 0520A0060008914A00040140090056006900640065006F002D00470057002D003228C0B5
  0000120B436973636F47617465776179003240023C0504010020402C0501000073648392
  532211DB8021000D28D3D7C000CD0D800007000E0110DC3AB1110073651FB9532211DB81
  7D90162806D3F1010001000180018011A010010E60000110002C00015504430000000100
  370140B50000123060010200010429040288901803A9838128033131316C0C2182393139
  33393236303030700BA139313939393135363030
```

```
001363: Oct 4 21:02:16.808: h323chan_chn_process_read_socket
001364: Oct 4 21:02:16.808: h323chan_chn_process_read_socket: fd=3 of type
  CONNECTED has data
001365: Oct 4 21:02:16.808: h323chan_chn_process_read_socket: h323chan
  accepted/connected fd=3
```

```
001366: Oct 4 21:02:16.836: h323chan_chn_process_read_socket
001367: Oct 4 21:02:16.836: h323chan_chn_process_read_socket: fd=3 of type
  CONNECTED has data
001368: Oct 4 21:02:16.836: h323chan_chn_process_read_socket: h323chan
  accepted/connected fd=3
```

```
Q931 Message IE Decodes
Protocol Discriminator : 0x08
CRV Length : 2
CRV Value : 0x801C
Message Type : 0x01: ALERTING
User-User: Length Of IE=87
Data 052380060008914A000422C0B500233103563530301E52656C6561736520372E352E31202
```

```
D2031314A616E323030352031353A353801B0D800110073651FB9532211DB817D90162806
D3F1010001800100014010800100
001369: Oct 4 21:02:16.836: H225.0 INCOMING ENCODE BUFFER ::= 2380060008914A000
422C0B500233103563530301E52656C6561736520372E352E31202D2031314A616E323030
352031353A353801B0D800110073651FB9532211DB817D90162806D3F1010001800100014
010800100
001370: Oct 4 21:02:16.836:
001371: Oct 4 21:02:16.836: H225.0 INCOMING PDU ::=
```

```
value H323_UserInformation ::=
{
h323-uu-pdu
{
h323-message-body alerting :
{
protocolIdentifier { 0 0 8 2250 0 4 }
destinationInfo
{
vendor
{
vendor
{
t35CountryCode 181
t35Extension 0
manufacturerCode 9009
}
productId '56353030'H
versionId '52656C6561736520372E352E31202D2031314A61...'H
}
terminal
{
}
mc FALSE
undefinedNode FALSE
}
callIdentifier
{
guid '73651FB9532211DB817D90162806D3F1'H
}
multipleCalls FALSE
maintainConnection TRUE
presentationIndicator presentationAllowed : NULL
screeningIndicator 2
}
h245Tunneling FALSE
}
}
```

```
001372: Oct 4 21:02:16.840: //281/736483928021/CCAPI/cc_api_set_delay_xport:
CallInfo(delay xport=TRUE)
001373: Oct 4 21:02:16.840: //281/736483928021/CCAPI/cc_api_call_alert:
Interface=0x65D7A87C, Progress Indication=NULL(0), Signal Indication=SIGNAL
RINGBACK(1)
001374: Oct 4 21:02:16.840: //281/736483928021/CCAPI/cc_api_call_alert:
Call Entry(Retry Count=0, Responded=TRUE)
001375: Oct 4 21:02:16.844: //280/736483928021/CCAPI/ccCallAlert:
Progress Indication=NULL(0), Signal Indication=SIGNAL RINGBACK(1)
001376: Oct 4 21:02:16.844: //280/736483928021/CCAPI/ccCallAlert:
Call Entry(Responded=TRUE, AlertSent=TRUE)
001377: Oct 4 21:02:16.844: //280/736483928021/CCAPI/ccGenerateToneInfo:
Stop Tone On Digit=FALSE, Tone=Ring Back,
Tone Direction=Network, Params=0x0, Call Id=280
001378: Oct 4 21:02:16.844: //280/736483928021/H221():
h221_set_initial_outgoing_caps:
```

```
001379: Oct 4 21:02:16.844: //280/736483928021/H221():
    h221_set_outgoing_bchnl_map:
B-Channel=1, Include B-channel In H.320 Call=TRUE
001380: Oct 4 21:02:16.844: //280/736483928021/H221():
    h221_set_outgoing_bchnl_map:
B-Channel(s)=1, Connected=0, Not InSync=1, InSync=0
001381: Oct 4 21:02:16.848: ISDN Se2/1:23 Q931: TX ->
    ALERTING pd = 8 callref = 0x809F
001382: Oct 4 21:02:16.880: h323chan_chn_process_read_socket
001383: Oct 4 21:02:16.880: h323chan_chn_process_read_socket:
    fd=3 of type CONNECTED has data
001384: Oct 4 21:02:16.880: h323chan_chn_process_read_socket:
    h323chan accepted/connected fd=3
```

Q931 Message IE Decodes

Protocol Discriminator : 0x08

CRV Length : 2

CRV Value : 0x801C

Message Type : 0x07: CONNECT

Display: Length Of IE=3

Data 323232

User-User: Length Of IE=110

Data 0522C0060008914A0004000E3205340A2322C0B500233103563530301E52656C6  
561736520372E352E31202D2031314A616E323030352031353A35380073648392  
532211DB8021000D28D3D7C01D0CC0110073651FB9532211DB817D90162806D3F  
1010001800100014010800100

001385: Oct 4 21:02:16.884: H225.0 INCOMING ENCODE BUFFER ::= 22C006000  
8914A0004000E3205340A2322C0B500233103563530301E52656C656173652037  
2E352E31202D2031314A616E323030352031353A35380073648392532211DB802  
1000D28D3D7C01D0CC0110073651FB9532211DB817D90162806D3F10100018001  
00014010800100

001386: Oct 4 21:02:16.884:

## [La llamada consigue conectada en la pierna IP](#)

001387: Oct 4 21:02:16.884: H225.0 INCOMING PDU ::=

value H323\_UserInformation ::=

```
{
h323-uu-pdu
{
h323-message-body connect :
{
protocolIdentifier { 0 0 8 2250 0 4 }
h245Address ipAddress :
{
ip '0E320534'H
port 2595
}
destinationInfo
{
vendor
{
vendor
{
t35CountryCode 181
t35Extension 0
manufacturerCode 9009
}
productId '56353030'H
versionId '52656C6561736520372E352E31202D2031314A61...'H
}
terminal
```

```
{
}
mc FALSE
undefinedNode FALSE
}
conferenceID '73648392532211DB8021000D28D3D7C0'H
callIdentifier
{
guid '73651FB9532211DB817D90162806D3F1'H
}
multipleCalls FALSE
maintainConnection TRUE
presentationIndicator presentationAllowed : NULL
screeningIndicator 2
}
h245Tunneling FALSE
}
}

001388: Oct 4 21:02:16.888: //281/736483928021/CCAPI/cc_api_call_connected:
Interface=0x65D7A87C, Data Bitmask=0x0, Progress Indication=NULL(0),
Connection Handle=0
001389: Oct 4 21:02:16.888: //281/736483928021/CCAPI/cc_api_call_connected:
Call Entry(Connected=TRUE, Responded=TRUE, Retry Count=0)
001390: Oct 4 21:02:16.888: //281/736483928021/CCAPI/cc_api_event_indication:
Event=148, Call Id=281
001391: Oct 4 21:02:16.888: //281/736483928021/CCAPI/cc_api_event_indication:
Event Is Sent To Conferenced SPI(s) Directly
001392: Oct 4 21:02:16.888: H225 NONSTD OUTGOING PDU ::=

value IRRperCallnonStandardInfo ::=
{
startTime 1159995736
}

001393: Oct 4 21:02:16.888: H225 NONSTD OUTGOING ENCODE BUFFER::= 7045242158
001394: Oct 4 21:02:16.888:
001395: Oct 4 21:02:16.888: RAS OUTGOING PDU ::=

value RasMessage ::= infoRequestResponse :
{
requestSeqNum 2050
endpointType
{
vendor
{
vendor
{
t35CountryCode 181
t35Extension 0
manufacturerCode 18
}
productId '436973636F47617465776179'H
versionId '32'H
}
gateway
{
protocol
{
voice :
{
supportedPrefixes
{
```

```
{
prefix dialedDigits : "1#"
}
}, h323 :
{
supportedPrefixes
{
}
}
}
}
mc FALSE
undefinedNode FALSE
}
endpointIdentifier {"65766C6C00000001"}
rasAddress ipAddress :
{
ip '0E0110DC'H
port 53355
}
callSignalAddress
{
ipAddress :
{
ip '0E0110DC'H
port 1720
}
}
endpointAlias
{
dialedDigits : "7561",
dialedDigits : "4321",
dialedDigits : "8000",
dialedDigits : "7111",
dialedDigits : "7931",
dialedDigits : "7560",
dialedDigits : "7701",
dialedDigits : "7702",
dialedDigits : "7565",
h323-ID : {"Video-GW-2"}
}
perCallInfo
{
{
nonStandardData
{
nonStandardIdentifier h221NonStandard :
{
t35CountryCode 181
t35Extension 0
manufacturerCode 18
}
}
data '7045242158'H
}
callReferenceValue 28
conferenceID '73648392532211DB8021000D28D3D7C0'H
originator TRUE
h245
{
}
}
callSignaling
{
```



```
}
callType pointToPoint : NULL
bandWidth 179200
callModel direct : NULL
callIdentifier
{
guid '73651FB9532211DB817D90162806D3F1'H
}
substituteConfIDs
{
}
usageInformation
{
nonStandardUsageFields
{
}
connectTime 1159995736
}
}
needResponse FALSE
unsolicited TRUE
}
```

```
001396: Oct 4 21:02:16.900: RAS OUTGOING ENCODE BUFFER::=
5AC0080128C0B50000120B436973636F47617465776179003240023C05040100
20402C0501000780003600350037003600360043003600430030003000300030
0030003000300031000E0110DCD06B01000E0110DC06B80A0180A89401807654
0180B3330180A4440180AC640180A8930180AA340180AA350180A89840090056
006900640065006F002D00470057002D003201E100B500001205704524215800
1C73648392532211DB8021000D28D3D7C0802002BC0003C900110073651FB953
2211DB817D90162806D3F10100072000C0452421570E2401000180
```

```
001397: Oct 4 21:02:16.900: h323chan_dgram_send:Sent UDP msg. Bytes sent:
219 to 14.50.3.101:1719 fd=2
```

```
001398: Oct 4 21:02:16.900: RASLib::GW_RASSendIRR: IRR (seq# 2050) sent to
14.50.3.101
```

```
001399: Oct 4 21:02:16.900: //280/736483928021/CCAPI/ccGenerateToneInfo:
Stop Tone On Digit=FALSE, Tone=NULL,
Tone Direction=Network, Params=0x0, Call Id=280
```

```
001400: Oct 4 21:02:16.900: //280/xxxxxxxxxxxx/CCAPI/ccConferenceCreate:
(confID=0x64D15380, callID1=0x118, callID2=0x119, tag=0x0)
```

```
001401: Oct 4 21:02:16.900: //280/736483928021/CCAPI/ccConferenceCreate:
Conference Id=0x64D15380, Call Id1=280, Call Id2=281, Tag=0x0
```

```
001402: Oct 4 21:02:16.900: //280/xxxxxxxxxxxx/CCAPI/cc_api_bridge_done:
Conference Id=0x12, Source Interface=0x65A8CAD4, Source Call Id=280,
Destination Call Id=281, Disposition=0x0, Tag=0xFFFFFFFF
```

```
001403: Oct 4 21:02:16.904: //281/xxxxxxxxxxxx/CCAPI/cc_api_get_xcode_stream:
```

```
001404: Oct 4 21:02:16.904: cc_api_get_xcode_stream : 4369
```

```
001405: Oct 4 21:02:16.904: //281/xxxxxxxxxxxx/CCAPI/cc_api_bridge_done:
Conference Id=0x12, Source Interface=0x65D7A87C, Source Call Id=281,
Destination Call Id=280, Disposition=0x0, Tag=0x0
```

```
001406: Oct 4 21:02:16.904: //280/736483928021/CCAPI/cc_generic_bridge_done:
Conference Id=0x12, Source Interface=0x65D7A87C, Source Call Id=281,
Destination Call Id=280, Disposition=0x0, Tag=0x0
```

```
001407: Oct 4 21:02:16.904: //280/736483928021/CCAPI/ccConferenceCreate:
Call Entry(Conference Id=0x12, Destination Call Id=281)
```

```
001408: Oct 4 21:02:16.904: //281/736483928021/CCAPI/ccConferenceCreate:
Call Entry(Conference Id=0x12, Destination Call Id=280)
```

```
001409: Oct 4 21:02:16.904:
```

```
//280/736483928021/CCAPI/cc_process_notify_bridge_done:
Conference Id=0x12, Call Id1=280, Call Id2=281
```

```
001410: Oct 4 21:02:16.904: //280/736483928021/CCAPI/ccCallConnect:
```

Progress Indication=NULL(0), Data Bitmask=0x0  
001411: Oct 4 21:02:16.904: //280/736483928021/CCAPI/ccCallConnect:  
Call Entry(Connected=TRUE, Responded=TRUE)

## El gateway H.320 envía CONECTA en el lado ISDN y la llamada consigue conectada

Ésta es la llamada primaria.

001412: Oct 4 21:02:16.908: ISDN Se2/1:23 Q931: TX -> CONNECT pd = 8  
callref = 0x809F  
001413: Oct 4 21:02:16.916: ISDN Se2/1:23 Q931: RX <- CONNECT\_ACK pd = 8  
callref = 0x009F  
001414: Oct 4 21:02:16.916: %ISDN-6-CONNECT: Interface Serial2/1:0 is now  
connected to 9193926000 N/A

## El gateway H.320 envía el conjunto inicial de la capacidad

001415: Oct 4 21:02:17.056: //280/736483928021/H221():  
h221\_outgoing\_message\_entry:  
Outgoing BAS Command=Send Initial Caps  
001416: Oct 4 21:02:17.056: //280/736483928021/H221():  
h221\_set\_outgoing\_bchnl\_map:  
B-Channel=1, Include B-channel In H.320 Call=TRUE

## La sincronización de tramas se establece a través del Canal B 1

001417: Oct 4 21:02:17.056: //280/736483928021/H221():  
h221\_set\_outgoing\_bchnl\_map:  
B-Channel=1, B-channel H.221 Sync=TRUE  
001418: Oct 4 21:02:17.056: //280/736483928021/H221():  
h221\_set\_outgoing\_bchnl\_map:  
B-Channel(s)=1, Connected=0, Not InSync=0, InSync=1

## El gateway H.320 recibe la primera llamada secundaria

001419: Oct 4 21:02:17.056: ISDN Se2/1:23 Q931:  
RX <- SETUP pd = 8 callref = 0x00A0  
Bearer Capability i = 0x8890  
Standard = CCITT  
Transfer Capability = Unrestricted Digital  
Transfer Mode = Circuit  
Transfer Rate = 64 kbit/s  
Channel ID i = 0xA98382  
Exclusive, Channel 2  
Display i = '111'  
Calling Party Number i = 0x2182, '9193926000'  
Plan:ISDN, Type:National  
Called Party Number i = 0xA1, '9199915601'  
Plan:ISDN, Type:National  
001420: Oct 4 21:02:17.060:  
//-1/7392E89B8022/CCAPI/cc\_api\_create\_cc\_entry\_common:  
Interface=0x65A8CAD4, Call Id=-1,  
Call Info=9193926000(TON=National, NPI=ISDN, Screening=User, Failed,  
Presentation=Allowed),  
Called Number=9199915601(TON=National, NPI=ISDN),  
FinalDestinationFlag=FALSE, Incoming Dial-peer=9190  
001421: Oct 4 21:02:17.060: //-1/xxxxxxxxxxxx/CCAPI/cc\_get\_feature\_vsa:  
  
001422: Oct 4 21:02:17.060: :cc\_get\_feature\_vsa malloc success  
001423: Oct 4 21:02:17.060: //-1/xxxxxxxxxxxx/CCAPI/cc\_get\_feature\_vsa:  
  
001424: Oct 4 21:02:17.060: cc\_get\_feature\_vsa count is 3  
001425: Oct 4 21:02:17.060: //-1/xxxxxxxxxxxx/CCAPI/cc\_get\_feature\_vsa:

```
001426: Oct 4 21:02:17.060: :FEATURE_VSA attributes are: feature_name:0,
      fearture_time:1710267192,feature_id:80
001427: Oct 4 21:02:17.060: //280/736483928021/H221():
      h221_set_outgoing_bchnl_map:
B-Channel=2, Q.931 Connect Indicated=TRUE
001428: Oct 4 21:02:17.060: //280/736483928021/H221():
      h221_set_outgoing_bchnl_map:
B-Channel(s)=1, Connected=0, Not InSync=0, InSync=1
001429: Oct 4 21:02:17.060: //282/736483928021/CCAPI/cc_api_call_connected:
Interface=0x65A8CAD4, Data Bitmask=0x0, Progress Indication=NULL(0),
Connection Handle=0
001430: Oct 4 21:02:17.060: //282/736483928021/CCAPI/cc_api_call_connected:
Call Entry(Connected=TRUE, Responded=FALSE, Retry Count=0)
001431: Oct 4 21:02:17.064: //280/736483928021/H221():
      h221_set_outgoing_bchnl_map:
B-Channel=2, Include B-channel In H.320 Call=TRUE
001432: Oct 4 21:02:17.064: //280/736483928021/H221():
      h221_set_outgoing_bchnl_map:
B-Channel(s)=2, Connected=1, Not InSync=1, InSync=1
001433: Oct 4 21:02:17.064: ISDN Se2/1:23 Q931:
      TX -> CALL_PROC pd = 8 callref = 0x80A0
Channel ID i = 0xA98382
Exclusive, Channel 2
```

### [La primera llamada secundaria consigue conectada](#)

```
001434: Oct 4 21:02:17.064: ISDN Se2/1:23 Q931: TX ->
      CONNECT pd = 8 callref = 0x80A0
001435: Oct 4 21:02:17.076: ISDN Se2/1:23 Q931: RX <- CONNECT_ACK pd = 8
      callref = 0x00A0
001436: Oct 4 21:02:17.076: %ISDN-6-CONNECT: Interface Serial2/1:1 is now
      connected to 9193926000 N/A
```

### [La sincronización de tramas se establece a través del Canal B 2](#)

```
001437: Oct 4 21:02:17.376: //280/736483928021/H221():
      h221_set_outgoing_bchnl_map:
B-Channel=2, B-channel H.221 Sync=TRUE
001438: Oct 4 21:02:17.376: //280/736483928021/H221():
      h221_set_outgoing_bchnl_map:
B-Channel(s)=2, Connected=1, Not InSync=0, InSync=2
```

### [El gateway H.320 recibe la segunda llamada secundaria](#)

```
001439: Oct 4 21:02:17.376: ISDN Se2/1:23 Q931: RX <- SETUP pd =
      8 callref = 0x00A1
Bearer Capability i = 0x8890
Standard = CCITT
Transfer Capability = Unrestricted Digital
Transfer Mode = Circuit
Transfer Rate = 64 kbit/s
Channel ID i = 0xA98383
Exclusive, Channel 3
Display i = '111'
Calling Party Number i = 0x2182, '9193926000'
Plan:ISDN, Type:National
Called Party Number i = 0xA1, '9199915602'
Plan:ISDN, Type:National
001440: Oct 4 21:02:17.380:
      //-1/73C3BCD78023/CCAPI/cc_api_create_cc_entry_common:
Interface=0x65A8CAD4, Call Id=-1,
Call Info=9193926000(TON=National, NPI=ISDN, Screening=User, Failed,
```

Presentation=Allowed),  
Called Number=9199915602(TON=National, NPI=ISDN),  
FinalDestinationFlag=FALSE, Incoming Dial-peer=9190  
001441: Oct 4 21:02:17.380: //-1/xxxxxxxxxxxx/CCAPI/cc\_get\_feature\_vsa:  
  
001442: Oct 4 21:02:17.380: :cc\_get\_feature\_vsa malloc success  
001443: Oct 4 21:02:17.380: //-1/xxxxxxxxxxxx/CCAPI/cc\_get\_feature\_vsa:  
  
001444: Oct 4 21:02:17.380: cc\_get\_feature\_vsa count is 4  
001445: Oct 4 21:02:17.380: //-1/xxxxxxxxxxxx/CCAPI/cc\_get\_feature\_vsa:  
  
001446: Oct 4 21:02:17.380: :FEATURE\_VSA attributes are: feature\_name:0,  
fearture\_time:1710266760,feature\_id:81  
001447: Oct 4 21:02:17.380: //280/736483928021/H221():  
h221\_set\_outgoing\_bchnl\_map:  
B-Channel=3, Q.931 Connect Indicated=TRUE  
001448: Oct 4 21:02:17.380: //280/736483928021/H221():  
h221\_set\_outgoing\_bchnl\_map:  
B-Channel(s)=2, Connected=1, Not InSync=0, InSync=2  
001449: Oct 4 21:02:17.380: //283/736483928021/CCAPI/cc\_api\_call\_connected:  
Interface=0x65A8CAD4, Data Bitmask=0x0, Progress Indication=NULL(0),  
Connection Handle=0  
001450: Oct 4 21:02:17.380: //283/736483928021/CCAPI/cc\_api\_call\_connected:  
Call Entry(Connected=TRUE, Responded=FALSE, Retry Count=0)  
001451: Oct 4 21:02:17.380: //280/736483928021/H221():  
h221\_set\_outgoing\_bchnl\_map:  
B-Channel=3, Include B-channel In H.320 Call=TRUE  
001452: Oct 4 21:02:17.384: //280/736483928021/H221():  
h221\_set\_outgoing\_bchnl\_map:  
B-Channel(s)=3, Connected=2, Not InSync=1, InSync=2  
001453: Oct 4 21:02:17.384: ISDN Se2/1:23 Q931: TX ->  
CALL\_PROC pd = 8 callref = 0x80A1  
Channel ID i = 0xA98383  
Exclusive, Channel 3

## [La llamada en segundo lugar secundaria consigue conectada](#)

001454: Oct 4 21:02:17.384: ISDN Se2/1:23 Q931: TX ->  
CONNECT pd = 8 callref = 0x80A1  
001455: Oct 4 21:02:17.392: ISDN Se2/1:23 Q931: RX <- CONNECT\_ACK  
pd = 8 callref = 0x00A1  
001456: Oct 4 21:02:17.396: %ISDN-6-CONNECT: Interface Serial2/1:2  
is now connected to 9193926000 N/A  
001457: Oct 4 21:02:17.532: //280/736483928021/H221():  
dsmp\_h221\_update\_dsp\_timestamp:  
BAS Message Timestamp=500(ms), Last Squelch Timestamp=0(ms)  
Last Fast Video Update Timestamp=0(ms), Update Bas Timestamp=FALSE  
001458: Oct 4 21:02:17.536: //280/736483928021/H221():  
h221\_incoming\_message\_entry:  
DSP Message Squelch Status=0x0, H221 Squelch Map=0x0

## [El gateway H.320 recibe los BA ordena del punto final de video en el PSTN](#)

El gateway H.320 recibe los BA ordena del punto final de video en el PSTN, que indica que puede validar las capacidades H.263.

001459: Oct 4 21:02:17.536: //280/736483928021/H221():  
h221\_incoming\_handle\_mbe:  
MBE Received=H.263, Length=18  
001460: Oct 4 21:02:17.536: //280/736483928021/H221():  
h221\_incoming\_message\_entry:  
Return Code=H221 Partial Message  
001461: Oct 4 21:02:17.536: //280/736483928021/H221():

```
dsmp_h221_check_for_bas_sqelch:
H221 Sqelch Map=0x0
001462: Oct 4 21:02:17.536: //280/736483928021/H221():
dsmp_h221_check_for_bas_sqelch:
H221 Sqelch Map=0x0
```

### La sincronización de tramas se establece a través del Canal B 3

```
001463: Oct 4 21:02:17.696: //280/736483928021/H221():
h221_set_outgoing_bchnl_map:
B-Channel=3, B-channel H.221 Sync=TRUE
001464: Oct 4 21:02:17.696: //280/736483928021/H221():
h221_set_outgoing_bchnl_map:
B-Channel(s)=3, Connected=2, Not InSync=0, InSync=3
```

### El gateway H.320 recibe la tercera llamada secundaria

```
001465: Oct 4 21:02:17.696: ISDN Se2/1:23 Q931:
RX <- SETUP pd = 8 callref = 0x00A2
Bearer Capability i = 0x8890
Standard = CCITT
Transfer Capability = Unrestricted Digital
Transfer Mode = Circuit
Transfer Rate = 64 kbit/s
Channel ID i = 0xA98384
Exclusive, Channel 4
Display i = '111'
Calling Party Number i = 0x2182, '9193926000'
Plan:ISDN, Type:National
Called Party Number i = 0xA1, '9199915603'
Plan:ISDN, Type:National
001466: Oct 4 21:02:17.700:
//-1/73F4907B8024/CCAPI/cc_api_create_cc_entry_common:
Interface=0x65A8CAD4, Call Id=-1,
Call Info=9193926000(TON=National, NPI=ISDN, Screening=User, Failed,
Presentation=Allowed),
Called Number=9199915603(TON=National, NPI=ISDN),
FinalDestinationFlag=FALSE, Incoming Dial-peer=9190
001467: Oct 4 21:02:17.700: //-1/xxxxxxxxxxxx/CCAPI/cc_get_feature_vsa:
001468: Oct 4 21:02:17.700: :cc_get_feature_vsa malloc success
001469: Oct 4 21:02:17.700: //-1/xxxxxxxxxxxx/CCAPI/cc_get_feature_vsa:
001470: Oct 4 21:02:17.700: cc_get_feature_vsa count is 5
001471: Oct 4 21:02:17.700: //-1/xxxxxxxxxxxx/CCAPI/cc_get_feature_vsa:
001472: Oct 4 21:02:17.700: :FEATURE_VSA attributes are:
feature_name:0,fearture_time:1710266544,feature_id:82
001473: Oct 4 21:02:17.700: //280/736483928021/H221():
h221_set_outgoing_bchnl_map:
B-Channel=4, Q.931 Connect Indicated=TRUE
001474: Oct 4 21:02:17.700: //280/736483928021/H221():
h221_set_outgoing_bchnl_map:
B-Channel(s)=3, Connected=2, Not InSync=0, InSync=3
001475: Oct 4 21:02:17.700: //284/736483928021/CCAPI/cc_api_call_connected:
Interface=0x65A8CAD4, Data Bitmask=0x0, Progress Indication=NULL(0),
Connection Handle=0
001476: Oct 4 21:02:17.700: //284/736483928021/CCAPI/cc_api_call_connected:
Call Entry(Connected=TRUE, Responded=FALSE, Retry Count=0)
001477: Oct 4 21:02:17.700: //280/736483928021/H221():
h221_set_outgoing_bchnl_map:
B-Channel=4, Include B-channel In H.320 Call=TRUE
001478: Oct 4 21:02:17.704: //280/736483928021/H221():
h221_set_outgoing_bchnl_map:
```

B-Channel(s)=4, Connected=3, Not InSync=1, InSync=3  
001479: Oct 4 21:02:17.704: ISDN Se2/1:23 Q931: TX -> CALL\_PROC  
pd = 8 callref = 0x80A2  
Channel ID i = 0xA98384  
Exclusive, Channel 4

### La tercera llamada secundaria consigue conectada

001480: Oct 4 21:02:17.704: ISDN Se2/1:23 Q931: TX ->  
CONNECT pd = 8 callref = 0x80A2  
001481: Oct 4 21:02:17.712: ISDN Se2/1:23 Q931: RX <- CONNECT\_ACK pd =  
8 callref = 0x00A2  
001482: Oct 4 21:02:17.716: %ISDN-6-CONNECT: Interface Serial2/1:3  
is now connected to 9193926000 N/A

### La sincronización de tramas se establece a través del Canal B 4

001483: Oct 4 21:02:18.016: //280/736483928021/H221():  
h221\_set\_outgoing\_bchnl\_map:  
B-Channel=4, B-channel H.221 Sync=TRUE  
001484: Oct 4 21:02:18.016: //280/736483928021/H221():  
h221\_set\_outgoing\_bchnl\_map:  
B-Channel(s)=4, Connected=3, Not InSync=0, InSync=4

### El gateway H.320 recibe la cuarta llamada secundaria

001485: Oct 4 21:02:18.016: ISDN Se2/1:23 Q931:  
RX <- SETUP pd = 8 callref = 0x00A3  
Bearer Capability i = 0x8890  
Standard = CCITT  
Transfer Capability = Unrestricted Digital  
Transfer Mode = Circuit  
Transfer Rate = 64 kbit/s  
Channel ID i = 0xA98385  
Exclusive, Channel 5  
Display i = '111'  
Calling Party Number i = 0x2182, '9193926000'  
Plan:ISDN, Type:National  
Called Party Number i = 0xA1, '9199915604'  
Plan:ISDN, Type:National  
001486: Oct 4 21:02:18.020:  
//-1/742566BC8025/CCAPI/cc\_api\_create\_cc\_entry\_common:  
Interface=0x65A8CAD4, Call Id=-1,  
Call Info=9193926000(TON=National, NPI=ISDN, Screening=User, Failed,  
Presentation=Allowed),  
Called Number=9199915604(TON=National, NPI=ISDN),  
FinalDestinationFlag=FALSE, Incoming Dial-peer=9190  
001487: Oct 4 21:02:18.020: //-1/xxxxxxxxxxxx/CCAPI/cc\_get\_feature\_vsa:  
  
001488: Oct 4 21:02:18.020: :cc\_get\_feature\_vsa malloc success  
001489: Oct 4 21:02:18.020: //-1/xxxxxxxxxxxx/CCAPI/cc\_get\_feature\_vsa:  
  
001490: Oct 4 21:02:18.020: cc\_get\_feature\_vsa count is 6  
001491: Oct 4 21:02:18.020: //-1/xxxxxxxxxxxx/CCAPI/cc\_get\_feature\_vsa:  
  
001492: Oct 4 21:02:18.020: :FEATURE\_VSA attributes are: feature\_name:  
0, fearture\_time:1710266328, feature\_id:83  
001493: Oct 4 21:02:18.020: //280/736483928021/H221():  
h221\_set\_outgoing\_bchnl\_map:  
B-Channel=5, Q.931 Connect Indicated=TRUE  
001494: Oct 4 21:02:18.020: //280/736483928021/H221():  
h221\_set\_outgoing\_bchnl\_map:  
B-Channel(s)=4, Connected=3, Not InSync=0, InSync=4

001495: Oct 4 21:02:18.020: //285/736483928021/CCAPI/cc\_api\_call\_connected:  
Interface=0x65A8CAD4, Data Bitmask=0x0, Progress Indication=NULL(0),  
Connection Handle=0  
001496: Oct 4 21:02:18.020: //285/736483928021/CCAPI/cc\_api\_call\_connected:  
Call Entry(Connected=TRUE, Responded=FALSE, Retry Count=0)  
001497: Oct 4 21:02:18.024: //280/736483928021/H221():  
h221\_set\_outgoing\_bchnl\_map:  
B-Channel=5, Include B-channel In H.320 Call=TRUE  
001498: Oct 4 21:02:18.024: //280/736483928021/H221():  
h221\_set\_outgoing\_bchnl\_map:  
B-Channel(s)=5, Connected=4, Not InSync=1, InSync=4  
001499: Oct 4 21:02:18.024: ISDN Se2/1:23 Q931: TX ->  
CALL\_PROC pd = 8 callref = 0x80A3  
Channel ID i = 0xA98385  
Exclusive, Channel 5

## La cuarta llamada secundaria consigue conectada

001500: Oct 4 21:02:18.024: ISDN Se2/1:23 Q931: TX ->  
CONNECT pd = 8 callref = 0x80A3  
001501: Oct 4 21:02:18.032: //280/736483928021/H221():  
dsmp\_h221\_update\_dsp\_timestamp:  
BAS Message Timestamp=1000(ms), Last Squelch Timestamp=0(ms)  
Last Fast Video Update Timestamp=0(ms), Update Bas Timestamp=FALSE  
001502: Oct 4 21:02:18.036: //280/736483928021/H221():  
h221\_incoming\_message\_entry:  
DSP Message Squelch Status=0x0, H221 Squelch Map=0x0  
  
001503: Oct 4 21:02:18.036: //280/736483928021/H221():  
h221\_incoming\_ns\_cap\_comm:  
Cisco GW non-standard Indication Received, Command=Cisco H.221  
Version Indication, Version=(1.0)  
001504: Oct 4 21:02:18.036: //280/736483928021/H221():  
h221\_incoming\_ns\_cap\_comm:  
Cisco GW non-standard Indication Received, Command=Caps From H.320  
Peer Endpoint Present  
001505: Oct 4 21:02:18.036: //280/736483928021/H221():  
h221\_incoming\_ns\_cap\_comm:  
Cisco GW non-standard Indication Received, Command=H.263 Non-Standard  
Caps, Custom Picture Number=0  
001506: Oct 4 21:02:18.036: //280/736483928021/H221():  
h221\_incoming\_ns\_cap\_comm:  
Standard MPI Received=TRUE, Standard MPI=2  
001507: Oct 4 21:02:18.036: //280/736483928021/H221():  
h221\_incoming\_ns\_cap\_comm:  
Standard Pixel Aspect Ratio Received=TRUE, Aspect Ratio=10:11 (3)  
001508: Oct 4 21:02:18.036: //280/736483928021/H221():  
h221\_incoming\_ns\_cap\_comm:  
Cisco GW non-standard Indication Received, Command=H.263 Non-Standard  
Caps, Custom Picture Number=1  
001509: Oct 4 21:02:18.036: //280/736483928021/H221():  
h221\_incoming\_ns\_cap\_comm:  
Standard MPI Received=TRUE, Standard MPI=1  
001510: Oct 4 21:02:18.036: //280/736483928021/H221():  
h221\_incoming\_ns\_cap\_comm:  
Standard Pixel Aspect Ratio Received=TRUE, Aspect Ratio=10:11 (3)  
001511: Oct 4 21:02:18.036: //280/736483928021/H221():  
h221\_incoming\_ns\_cap\_comm:  
Cisco GW non-standard Indication Received, Command=Cisco  
H.221 Minimum Bchannel Caps Indication, B-channel Caps=1  
001512: Oct 4 21:02:18.036: //280/736483928021/H221():  
h221\_incoming\_unsupported\_other\_mode:  
BAS=0x60

```
001513: Oct 4 21:02:18.036: //280/736483928021/H221():
    h221_incoming_unsupported_other_mode:
BAS=0x70
001514: Oct 4 21:02:18.036: //280/736483928021/H221():
    h221_incoming_handle_cap_mark:
Audio Codec(s)=0x0, H.261 Cap=FALSE, H.263 Cap=TRUE,
    H.264 Cap=FALSE, B-channel Caps=6
001515: Oct 4 21:02:18.036: //280/736483928021/H221():
    dsmp_h221_check_for_bas_squelch:
H221 Squelch Map=0x0
001516: Oct 4 21:02:18.036: //280/736483928021/H221():
    dsmp_h221_check_for_bas_squelch:
H221 Squelch Map=0x0
001517: Oct 4 21:02:18.036: //280/736483928021/H221():
    h221_outgoing_message_entry:
Outgoing BAS Command=Send Caps
001518: Oct 4 21:02:18.036: //280/736483928021/H221():
    h221_set_outgoing_bchnl_map:
B-Channel=1, Include B-channel In H.320 Call=TRUE
001519: Oct 4 21:02:18.036: //280/736483928021/H221():
    h221_set_outgoing_bchnl_map:
B-Channel=1, B-channel H.221 Sync=TRUE
001520: Oct 4 21:02:18.036: //280/736483928021/H221():
    h221_set_outgoing_bchnl_map:
B-Channel=1, Q.931 Connect Indicated=TRUE
```

## [La sincronización de tramas se establece a través del Canal B 4](#)

```
001521: Oct 4 21:02:18.036: //280/736483928021/H221():
    h221_set_outgoing_bchnl_map:
B-Channel(s)=5, Connected=5, Not InSync=1, InSync=4
001522: Oct 4 21:02:18.036: ISDN Se2/1:23 Q931: RX <- CONNECT_ACK pd
    = 8 callref = 0x00A3
001523: Oct 4 21:02:18.040: %ISDN-6-CONNECT: Interface Serial2/1:4
    is now connected to 9193926000 N/A
001524: Oct 4 21:02:18.336: //280/736483928021/H221():
    h221_set_outgoing_bchnl_map:
B-Channel=5, B-channel H.221 Sync=TRUE
001525: Oct 4 21:02:18.336: //280/736483928021/H221():
    h221_set_outgoing_bchnl_map:
B-Channel(s)=5, Connected=5, Not InSync=0, InSync=5
```

## [El gateway H.320 recibe la quinta llamada secundaria](#)

```
001526: Oct 4 21:02:18.336: ISDN Se2/1:23 Q931:
    RX <- SETUP pd = 8 callref = 0x00A4
Bearer Capability i = 0x8890
Standard = CCITT
Transfer Capability = Unrestricted Digital
Transfer Mode = Circuit
Transfer Rate = 64 kbit/s
Channel ID i = 0xA98386
Exclusive, Channel 6
Display i = '111'
Calling Party Number i = 0x2182, '9193926000'
Plan:ISDN, Type:National
Called Party Number i = 0xA1, '9199915605'
Plan:ISDN, Type:National
001527: Oct 4 21:02:18.340:
    //-1/74563AF88026/CCAPI/cc_api_create_cc_entry_common:
Interface=0x65A8CAD4, Call Id=-1,
Call Info=9193926000(TON=National, NPI=ISDN, Screening=User,
    Failed, Presentation=Allowed),
```



Called Number=9199915605(TON=National, NPI=ISDN),  
FinalDestinationFlag=FALSE, Incoming Dial-peer=9190  
001528: Oct 4 21:02:18.340: //-1/xxxxxxxxxxxx/CCAPI/cc\_get\_feature\_vsa:  
  
001529: Oct 4 21:02:18.340: :cc\_get\_feature\_vsa malloc success  
001530: Oct 4 21:02:18.340: //-1/xxxxxxxxxxxx/CCAPI/cc\_get\_feature\_vsa:  
  
001531: Oct 4 21:02:18.340: cc\_get\_feature\_vsa count is 7  
001532: Oct 4 21:02:18.340: //-1/xxxxxxxxxxxx/CCAPI/cc\_get\_feature\_vsa:  
  
001533: Oct 4 21:02:18.340: :FEATURE\_VSA attributes are:  
feature\_name:0,fearture\_time:1710266112,feature\_id:84  
001534: Oct 4 21:02:18.340: //280/736483928021/H221():  
h221\_set\_outgoing\_bchnl\_map:  
B-Channel=6, Q.931 Connect Indicated=TRUE  
001535: Oct 4 21:02:18.340: //280/736483928021/H221():  
h221\_set\_outgoing\_bchnl\_map:  
B-Channel(s)=5, Connected=5, Not InSync=0, InSync=5  
001536: Oct 4 21:02:18.340: //286/736483928021/CCAPI/cc\_api\_call\_connected:  
Interface=0x65A8CAD4, Data Bitmask=0x0, Progress Indication=NULL(0),  
Connection Handle=0  
001537: Oct 4 21:02:18.340: //286/736483928021/CCAPI/cc\_api\_call\_connected:  
Call Entry(Connected=TRUE, Responded=FALSE, Retry Count=0)  
001538: Oct 4 21:02:18.340: //280/736483928021/H221():  
h221\_set\_outgoing\_bchnl\_map:  
B-Channel=6, Include B-channel In H.320 Call=TRUE  
001539: Oct 4 21:02:18.344: //280/736483928021/H221():  
h221\_set\_outgoing\_bchnl\_map:  
B-Channel(s)=6, Connected=6, Not InSync=1, InSync=5  
001540: Oct 4 21:02:18.344: ISDN Se2/1:23 Q931:  
TX -> CALL\_PROC pd = 8 callref = 0x80A4  
Channel ID i = 0xA98386  
Exclusive, Channel 6

## [La quinta llamada secundaria consigue conectada](#)

001541: Oct 4 21:02:18.344: ISDN Se2/1:23 Q931:  
TX -> CONNECT pd = 8 callref = 0x80A4  
001542: Oct 4 21:02:18.352: ISDN Se2/1:23 Q931:  
RX <- CONNECT\_ACK pd = 8 callref = 0x00A4  
001543: Oct 4 21:02:18.356: %ISDN-6-CONNECT:  
Interface Serial2/1:5 is now connected to 9193926000 N/A  
001544: Oct 4 21:02:18.532: //280/736483928021/H221():  
dsmp\_h221\_update\_dsp\_timestamp:  
BAS Message Timestamp=1500(ms), Last Squelch Timestamp=0(ms)  
Last Fast Video Update Timestamp=0(ms), Update Bas Timestamp=FALSE  
001545: Oct 4 21:02:18.536: //280/736483928021/H221():  
h221\_incoming\_message\_entry:  
DSP Message Squelch Status=0x0, H221 Squelch Map=0x0  
001546: Oct 4 21:02:18.536: //280/736483928021/H221():  
h221\_incoming\_handle\_mbe:  
MBE Received=H.263, Length=18  
001547: Oct 4 21:02:18.536: //280/736483928021/H221():  
h242\_incoming\_handle\_mbe\_h263\_caps:  
Identical H.263 Caps Detected, skip parsing  
001548: Oct 4 21:02:18.536: //280/736483928021/H221():  
h221\_incoming\_message\_entry:  
Return Code=H221 Partial Message  
001549: Oct 4 21:02:18.536: //280/736483928021/H221():  
dsmp\_h221\_check\_for\_bas\_squelch:  
H221 Squelch Map=0x0  
001550: Oct 4 21:02:18.536: //280/736483928021/H221():  
dsmp\_h221\_check\_for\_bas\_squelch:

H221 Squelch Map=0x0

## La sincronización de tramas se establece a través del Canal B 6

```
001551: Oct 4 21:02:18.656: //280/736483928021/H221():
  h221_set_outgoing_bchnl_map:
B-Channel=6, B-channel H.221 Sync=TRUE
001552: Oct 4 21:02:18.656: //280/736483928021/H221():
  h221_set_outgoing_bchnl_map:
B-Channel(s)=6, Connected=6, Not InSync=0, InSync=6
001553: Oct 4 21:02:19.032: //280/736483928021/H221():
  dsmp_h221_update_dsp_timestamp:
BAS Message Timestamp=2000(ms), Last Squelch Timestamp=0(ms)
Last Fast Video Update Timestamp=0(ms), Update Bas Timestamp=FALSE
001554: Oct 4 21:02:19.036: //280/736483928021/H221():
  h221_incoming_message_entry:
DSP Message Squelch Status=0x0, H221 Squelch Map=0x0
```

## El gateway H.320 recibe la capacidad fijada del punto final de video en el PSTN

El conjunto de la capacidad especifica el intervalo mínimo de la imagen (MPI), la proporción de aspecto, los códecs de audio, los códec de video, y el número de B-canales que es soportado por el punto final de video.

```
001555: Oct 4 21:02:19.036: //280/736483928021/H221():
  h221_incoming_ns_cap_comm:
Cisco GW non-standard Indication Received, Command=Cisco
  H.221 Version Indication, Version=(1.0)
001556: Oct 4 21:02:19.036: //280/736483928021/H221():
  h221_incoming_ns_cap_comm:
Cisco GW non-standard Indication Received, Command=Caps From
  H.320 Peer Endpoint Present
001557: Oct 4 21:02:19.036: //280/736483928021/H221():
  h221_incoming_ns_cap_comm:
Cisco GW non-standard Indication Received, Command=
  H.263 Non-Standard Caps, Custom Picture Number=0
001558: Oct 4 21:02:19.036: //280/736483928021/H221():
  h221_incoming_ns_cap_comm:
Standard MPI Received=TRUE, Standard MPI=2
001559: Oct 4 21:02:19.036: //280/736483928021/H221():
  h221_incoming_ns_cap_comm:
Standard Pixel Aspect Ratio Received=TRUE, Aspect Ratio=10:11 (3)
001560: Oct 4 21:02:19.036: //280/736483928021/H221():
  h221_incoming_ns_cap_comm:
Cisco GW non-standard Indication Received, Command=
  H.263 Non-Standard Caps, Custom Picture Number=1
001561: Oct 4 21:02:19.036: //280/736483928021/H221():
  h221_incoming_ns_cap_comm:
Standard MPI Received=TRUE, Standard MPI=1
001562: Oct 4 21:02:19.036: //280/736483928021/H221():
  h221_incoming_ns_cap_comm:
Standard Pixel Aspect Ratio Received=TRUE, Aspect Ratio=10:11 (3)
001563: Oct 4 21:02:19.036: //280/736483928021/H221():
  h221_incoming_ns_cap_comm:
Cisco GW non-standard Indication Received, Command=
  Cisco H.221 Minimum Bchannel Caps Indication, B-channel Caps=1
001564: Oct 4 21:02:19.036: //280/736483928021/H221():
  h221_incoming_handle_cap_mark:
Audio Codec(s)=0x2A, H.261 Cap=FALSE, H.263 Cap=TRUE,
  H.264 Cap=FALSE, B-channel Caps=6
001565: Oct 4 21:02:19.036: //280/736483928021/H221():
  h221_incoming_unsupported_other_mode:
BAS=0x60
```

```
001566: Oct 4 21:02:19.036: //280/736483928021/H221():
    h221_incoming_unsupported_other_mode:
BAS=0x70
001567: Oct 4 21:02:19.036: //280/736483928021/H221():
    dsmp_h221_check_for_bas_sqelch:
H221 Sqelch Map=0x0
001568: Oct 4 21:02:19.036: //280/736483928021/H221():
    dsmp_h221_check_for_bas_sqelch:
H221 Sqelch Map=0x0
```

## [El gateway H.320 envía la capacidad fijada al punto final de video en el PSTN](#)

```
001569: Oct 4 21:02:19.036: //280/736483928021/H221():
    dsmp_h221_build_audio_caps_ind:
Audio Codec(s)=G.711 u-law,
001570: Oct 4 21:02:19.036: //280/736483928021/H221():
    dsmp_h221_calculate_max_video_bandwidth_internal:
Calculation Type=Max Capability, B-Channel(s)=6, Bandwidth=3017
001571: Oct 4 21:02:19.036: //280/736483928021/H221():
    dsmp_h221_build_video_caps_ind:
Number Of Caps=1
001572: Oct 4 21:02:19.036: //280/736483928021/H221():
    dsmp_h221_build_video_caps_ind:
Video Caps=H.263, Max Bit Rate=3017
16CIF=0, 4CIF=2, CIF=1, QCIF=1
format_bit_mask=0xF, cc_h263_base_caps_mask=0x204,
    cc_h263_options_mask=0x200000, ccH263Options->bit_mask=0x10000000
001573: Oct 4 21:02:19.040: //280/736483928021/CCAPI/cc_api_caps_ind:
Destination Interface=0x65D7A87C, Destination Call Id=281, Source Call Id=280,
Caps(Codec=0x1, Fax Rate=0x1, Vad=0x1,
Modem=0x2, Codec Bytes=20, Signal Type=3)
001574: Oct 4 21:02:19.040: //280/736483928021/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))
001575: Oct 4 21:02:19.044: h323chan_chn_process_read_socket
001576: Oct 4 21:02:19.044: h323chan_chn_process_read_socket:
    fd=4 of type CONNECT_PENDING has data
```

## [El gateway H.320 hace publicidad de las capacidades audios \(G711ulaw\) y video \(H.263\) vía el TCS al Polycom a través de la pierna IP](#)

```
001577: Oct 4 21:02:19.044: 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
rtpPayloadType
{
{
payloadDescriptor rfc-number : 2429
}
}
}
logicalChannelSwitchingCapability FALSE
t120DynamicPortCapability FALSE
}
capabilityTable
{
{
capabilityTableEntryNumber 34
capability receiveRTPAudioTelephonyEventCapability :
{

```

```
dynamicRTPPayloadType 101
audioTelephoneEvent "0-16"
}
},
{
capabilityTableEntryNumber 3
capability receiveAudioCapability : g711Ulaw64k : 20
},
{
capabilityTableEntryNumber 39
capability receiveVideoCapability : h263VideoCapability :
{
sqcifMPI 1
qcifMPI 1
cifMPI 1
cif4MPI 2
maxBitRate 3017
unrestrictedVector FALSE
arithmeticCoding FALSE
advancedPrediction TRUE
pbFrames FALSE
temporalSpatialTradeOffCapability FALSE
errorCompensation FALSE
h263Options
{
advancedIntraCodingMode FALSE
deblockingFilterMode FALSE
improvedPBFramesMode FALSE
unlimitedMotionVectors FALSE
fullPictureFreeze FALSE
partialPictureFreezeAndRelease FALSE
resizingPartPicFreezeAndRelease FALSE
fullPictureSnapshot FALSE
partialPictureSnapshot FALSE
videoSegmentTagging FALSE
progressiveRefinement FALSE
dynamicPictureResizingByFour FALSE
dynamicPictureResizingSixteenthPel FALSE
dynamicWarpingHalfPel FALSE
dynamicWarpingSixteenthPel FALSE
independentSegmentDecoding FALSE
slicesInOrder-NonRect FALSE
slicesInOrder-Rect FALSE
slicesNoOrder-NonRect FALSE
slicesNoOrder-Rect FALSE
alternateInterVLCMode FALSE
modifiedQuantizationMode TRUE
reducedResolutionUpdate FALSE
separateVideoBackChannel FALSE
customPictureFormat
{
{
maxCustomPictureWidth 176
maxCustomPictureHeight 120
minCustomPictureWidth 176
minCustomPictureHeight 120
mPI
{
standardMPI 2
}
}
pixelAspectRatioInformation pixelAspectRatioCode :
{
3
```



```
001582: Oct 4 21:02:19.064:
001583: Oct 4 21:02:19.064: h323chan_chn_process_read_socket
001584: Oct 4 21:02:19.064: h323chan_chn_process_read_socket:
    fd=4 of type CONNECTED has data
001585: Oct 4 21:02:19.064: h323chan_chn_process_read_socket:
    h323chan accepted/connected fd=4

001586: Oct 4 21:02:19.088: h323chan_chn_process_read_socket
001587: Oct 4 21:02:19.088: h323chan_chn_process_read_socket:
    fd=4 of type CONNECTED has data
001588: Oct 4 21:02:19.088: h323chan_chn_process_read_socket:
    h323chan accepted/connected fd=4

001589: Oct 4 21:02:19.088: h245_decode_one_pdu: more_pdus = 0,
    bytesLeftToDecode = 433
001590: Oct 4 21:02:19.088: H245 MSC INCOMING ENCODE BUFFER ::=
    02700106000881750007801C00003C00010000010000010004020D0108097C1007
    000881710000001180000024301660C0B5000001019340BB80010CB50000010101
    20000180000124301660C0B50000010192407D00010CB500000101012000018000
    0224301660C0B50000010191405DC0010CB5000001010120000180000324301160
    00060007B8350100407D0001001200018000042430116000060007B8350100405D
    C0010012000180000524301660C0B50000010196403E80010CB500000101012000
    0180000621401380000722400780000820C01380000920401380000A0C00216000
    0700088171000001400F000502914002A2001D0032001400620015004200078000
    0B09FC00000A0EFF20705001001B080000104000AF007700AF0077412040005700
    3B0057003B40204080000C0C000900C0B500233102210180000D0C001220C0B500
    0001019D010CB50000010101101080000E08B0000EFF40000F48C600328000104A
    0C09000006000881600100003280001104B5002331045153404400800003090000
    00010002000300040005000600070008000904000A000B000C000D000E01000F00
    10000011
```

```
001591: Oct 4 21:02:19.092:
```

[El gateway H.320 recibe el conjunto audio \(G.722, G.728, G.711\) y video de Polycm de la capacidad \(H.263\)](#)

```
001592: Oct 4 21:02:19.092: H245 MSC INCOMING PDU ::=
```

```
value MultimediaSystemControlMessage ::= request : terminalCapabilitySet :
{
sequenceNumber 1
protocolIdentifier { 0 0 8 245 0 7 }
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
rtpPayloadType
{
{
payloadDescriptor rfc-number : 2429
},
{
payloadDescriptor oid : { 0 0 8 241 0 0 0 }
}
}
}
}
capabilityTable
{
{
capabilityTableEntryNumber 1
capability receiveAudioCapability : genericAudioCapability :
{
capabilityIdentifier h221NonStandard :
{
nonStandardIdentifier h221NonStandard :
{
t35CountryCode 181

```



```
t35Extension 0
manufacturerCode 1
}
data '93'H
}
maxBitRate 48000
collapsing
{
{
parameterIdentifier h221NonStandard :
{
nonStandardIdentifier h221NonStandard :
{
t35CountryCode 181
t35Extension 0
manufacturerCode 1
}
data '01'H
}
parameterValue unsignedMin : 1
}
}
},
{
capabilityTableEntryNumber 2
capability receiveAudioCapability : genericAudioCapability :
{
capabilityIdentifier h221NonStandard :
{
nonStandardIdentifier h221NonStandard :
{
t35CountryCode 181
t35Extension 0
manufacturerCode 1
}
data '92'H
}
maxBitRate 32000
collapsing
{
{
parameterIdentifier h221NonStandard :
{
nonStandardIdentifier h221NonStandard :
{
t35CountryCode 181
t35Extension 0
manufacturerCode 1
}
data '01'H
}
parameterValue unsignedMin : 1
}
}
},
{
capabilityTableEntryNumber 3
capability receiveAudioCapability : genericAudioCapability :
{
capabilityIdentifier h221NonStandard :
```

```

{
nonStandardIdentifier h221NonStandard :
{
t35CountryCode 181
t35Extension 0
manufacturerCode 1
}
data '91'H
}
maxBitRate 24000
collapsing
{

{
parameterIdentifier h221NonStandard :
{
nonStandardIdentifier h221NonStandard :
{
t35CountryCode 181
t35Extension 0
manufacturerCode 1
}
data '01'H
}
parameterValue unsignedMin : 1
}
}
},
{
capabilityTableEntryNumber 4
capability receiveAudioCapability : genericAudioCapability :
{
capabilityIdentifier standard : { 0 0 7 7221 1 0 }
maxBitRate 32000
collapsing
{

{
parameterIdentifier standard : 1
parameterValue unsignedMin : 1
}
}
},
{
capabilityTableEntryNumber 5
capability receiveAudioCapability : genericAudioCapability :
{
capabilityIdentifier standard : { 0 0 7 7221 1 0 }
maxBitRate 24000
collapsing
{

{
parameterIdentifier standard : 1
parameterValue unsignedMin : 1
}
}
},
{
capabilityTableEntryNumber 6
capability receiveAudioCapability : genericAudioCapability :

```

```

{
capabilityIdentifier h221NonStandard :
{
nonStandardIdentifier h221NonStandard :
{
t35CountryCode 181
t35Extension 0
manufacturerCode 1
}
data '96'H
}
maxBitRate 16000
collapsing
{

{
parameterIdentifier h221NonStandard :
{
nonStandardIdentifier h221NonStandard :
{
t35CountryCode 181
t35Extension 0
manufacturerCode 1
}
data '01'H
}
parameterValue unsignedMin : 1
}
}
},
{
capabilityTableEntryNumber 7
capability receiveAudioCapability : g722-64k : 20
},
{
capabilityTableEntryNumber 8
capability receiveAudioCapability : g728 : 8
},
{
capabilityTableEntryNumber 9
capability receiveAudioCapability : g711Ulaw64k : 20
},
{
capabilityTableEntryNumber 10
capability receiveAudioCapability : g711Alaw64k : 20
},
{
capabilityTableEntryNumber 11
capability receiveVideoCapability : genericVideoCapability :
{
capabilityIdentifier standard : { 0 0 8 241 0 0 1 }
maxBitRate 3840
collapsing
{

{
parameterIdentifier standard : 41
parameterValue booleanArray : 64
},
{
parameterIdentifier standard : 42
parameterValue unsignedMin : 29
},

```

```

{
parameterIdentifier standard : 3
parameterValue unsignedMin : 20
},
{
parameterIdentifier standard : 6
parameterValue unsignedMin : 21
},
{
parameterIdentifier standard : 4
parameterValue unsignedMin : 7
}
}
},
{
capabilityTableEntryNumber 12
capability receiveVideoCapability : h263VideoCapability :
{
sqcifMPI 1
qcifMPI 1
cifMPI 1
cif4MPI 2
maxBitRate 3840
unrestrictedVector FALSE
arithmeticCoding FALSE
advancedPrediction TRUE
pbFrames FALSE
temporalSpatialTradeOffCapability FALSE
errorCompensation FALSE
h263Options
{
advancedIntraCodingMode FALSE
deblockingFilterMode FALSE
improvedPBFramesMode FALSE
unlimitedMotionVectors FALSE
fullPictureFreeze FALSE
partialPictureFreezeAndRelease FALSE
resizingPartPicFreezeAndRelease FALSE
fullPictureSnapshot FALSE
partialPictureSnapshot FALSE
videoSegmentTagging FALSE
progressiveRefinement FALSE
dynamicPictureResizingByFour FALSE
dynamicPictureResizingSixteenthPel FALSE
dynamicWarpingHalfPel FALSE
dynamicWarpingSixteenthPel FALSE
independentSegmentDecoding FALSE
slicesInOrder-NonRect FALSE
slicesInOrder-Rect FALSE
slicesNoOrder-NonRect FALSE
slicesNoOrder-Rect FALSE
alternateInterVLCMode FALSE
modifiedQuantizationMode TRUE
reducedResolutionUpdate FALSE
separateVideoBackChannel FALSE
customPictureFormat
{
{
maxCustomPictureWidth 176
maxCustomPictureHeight 120
minCustomPictureWidth 176
minCustomPictureHeight 120

```

```
mPI
{
standardMPI 2
}
pixelAspectInformation pixelAspectCode :
{
3
}
},
{
maxCustomPictureWidth 88
maxCustomPictureHeight 60
minCustomPictureWidth 88
minCustomPictureHeight 60
mPI
{
standardMPI 1
}
pixelAspectInformation pixelAspectCode :
{
3
}
}
}
}
},
{
capabilityTableEntryNumber 13
capability receiveVideoCapability : genericVideoCapability :
{
capabilityIdentifier h221NonStandard :
{
nonStandardIdentifier h221NonStandard :
{
t35CountryCode 181
t35Extension 0
manufacturerCode 9009
}
data '2101'H
}
}
},
{
capabilityTableEntryNumber 14
capability receiveVideoCapability : genericVideoCapability :
{
capabilityIdentifier h221NonStandard :
{
nonStandardIdentifier h221NonStandard :
{
t35CountryCode 181
t35Extension 0
manufacturerCode 1
}
data '9D'H
}
collapsing
{

{
parameterIdentifier h221NonStandard :
{
nonStandardIdentifier h221NonStandard :
```

```

{
t35CountryCode 181
t35Extension 0
manufacturerCode 1
}
data '01'H
}
parameterValue booleanArray : 16
}
}
},
{
capabilityTableEntryNumber 15
capability receiveVideoCapability : h261VideoCapability :
{
qcifMPI 1
cifMPI 1
temporalSpatialTradeOffCapability FALSE
maxBitRate 3840
stillImageTransmission FALSE
}
},
{
capabilityTableEntryNumber 16
capability receiveAndTransmitDataApplicationCapability :
{
application h224 : hdlcFrameTunnelling : NULL
maxBitRate 50
}
},
{
capabilityTableEntryNumber 17
capability receiveAndTransmitDataApplicationCapability :
{
application genericDataCapability :
{
capabilityIdentifier standard : { 0 0 8 224 1 0 }
}
maxBitRate 50
}
},
{
capabilityTableEntryNumber 18
capability nonStandard :
{
nonStandardIdentifier h221NonStandard :
{
t35CountryCode 181
t35Extension 0
manufacturerCode 9009
}
data '51534044'H
}
}
}
capabilityDescriptors
{
{
capabilityDescriptorNumber 0
simultaneousCapabilities
{

```

```
{
1,
2,
3,
4,
5,
6,
7,
8,
9,
10
},
```

```
{
11,
12,
13,
14,
15
},
```

```
{
16,
17
},
```

```
{
18
}
}
}
}
}
```

```
001593: Oct 4 21:02:19.140: h245_decode_one_pdu: H245ASNDecodePdu rc = 0,
bytesLeftToDecode = 0
001594: Oct 4 21:02:19.140: h245_decode_nonstd_cap: parse_tcs_nonstd failed
001595: Oct 4 21:02:19.140: h245_decode_nonstd_cap: parse_tcs_nonstd failed
001596: Oct 4 21:02:19.140: h245_decode_one_pdu: Read Pkt body: more_pdus:0
rc:0 asn_rc:0
001597: Oct 4 21:02:19.144: //281/736483928021/CCAPI/cc_api_caps_ind:
Destination Interface=0x65A8CAD4, Destination Call Id=280, Source Call Id=281,
Caps(Codec=0x1, Fax Rate=0x2, Vad=0x2,
Modem=0x0, Codec Bytes=20, Signal Type=2)
001598: Oct 4 21:02:19.144: //281/736483928021/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))
001599: Oct 4 21:02:19.144: //280/736483928021/CCAPI/cc_api_caps_ack:
Destination Interface=0x65D7A87C, Destination Call Id=281, Source Call Id=280,
Caps(Codec=g711ulaw(0x1), Fax Rate=FAX_RATE_VOICE(0x2), Vad=ON(0x2),
Modem=OFF(0x0), Codec Bytes=20, Signal Type=2, Seq Num Start=0)
001600: Oct 4 21:02:19.148: //280/736483928021/H221():
dsmp_h221_decode_ccapi_audio_caps:
Audio Codec(s)=G.711 u-law,
001601: Oct 4 21:02:19.148: //280/736483928021/H221():
dsmp_h221_decode_ccapi_video_caps:
Video Caps=H.263, Max Bit Rate=3840
16CIF=0, 4CIF=2, CIF=1, QCIF=1
format_bit_mask=0xF, cc_h263_base_caps_mask=0x204,
cc_h263_options_mask=0x200000, ccH263Options->bit_mask=0x10000000
001602: Oct 4 21:02:19.148: //280/736483928021/H221():
h221_outgoing_message_entry:
Outgoing BAS Command=Send Caps
```

## [El gateway H.320 envía TCS ACK al Polycom](#)

001603: Oct 4 21:02:19.148: H245 MSC OUTGOING PDU ::=

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

001604: Oct 4 21:02:19.148: H245 MSC OUTGOING ENCODE BUFFER::= 218001

001605: Oct 4 21:02:19.148:

001606: Oct 4 21:02:19.148: h323chan\_chn\_process\_read\_socket

001607: Oct 4 21:02:19.148: h323chan\_chn\_process\_read\_socket:

fd=4 of type CONNECTED has data

001608: Oct 4 21:02:19.148: h323chan\_chn\_process\_read\_socket:

h323chan accepted/connected fd=4

001609: Oct 4 21:02:19.148: h245\_decode\_one\_pdu: more\_pdus = 0,

bytesLeftToDecode = 7

001610: Oct 4 21:02:19.148: H245 MSC INCOMING ENCODE BUFFER::=

01003280741139

001611: Oct 4 21:02:19.148:

## [El gateway H.320 recibe la petición MSD del Polycom](#)

001612: Oct 4 21:02:19.148: H245 MSC INCOMING PDU ::=

```
value MultimediaSystemControlMessage ::= request : masterSlaveDetermination :
{
terminalType 50
statusDeterminationNumber 7606585
}
```

001613: Oct 4 21:02:19.152: h245\_decode\_one\_pdu: H245ASNDecodePdu rc = 0,

bytesLeftToDecode = 0

001614: Oct 4 21:02:19.152: h245\_decode\_one\_pdu: Read Pkt body:

more\_pdus:0 rc:0 asn\_rc:0

## [El gateway H.320 envía MSD ACK al Polycom](#)

001615: Oct 4 21:02:19.152: H245 MSC OUTGOING PDU ::=

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

001616: Oct 4 21:02:19.152: H245 MSC OUTGOING ENCODE BUFFER::= 20A0

001617: Oct 4 21:02:19.152:

001618: Oct 4 21:02:19.152: h323chan\_chn\_process\_read\_socket

001619: Oct 4 21:02:19.152: h323chan\_chn\_process\_read\_socket:

fd=4 of type CONNECTED has data

001620: Oct 4 21:02:19.152: h323chan\_chn\_process\_read\_socket:

h323chan accepted/connected fd=4

001621: Oct 4 21:02:19.152: h245\_decode\_one\_pdu: more\_pdus = 0,

bytesLeftToDecode = 3

001622: Oct 4 21:02:19.152: H245 MSC INCOMING ENCODE BUFFER::= 218001

001623: Oct 4 21:02:19.152:

## [El gateway H.320 recibe TCS ACK del Polycom](#)



001624: Oct 4 21:02:19.152: H245 MSC INCOMING PDU ::=

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

001625: Oct 4 21:02:19.152: h245\_decode\_one\_pdu: H245ASNDecodePdu rc = 0,  
bytesLeftToDecode = 0

001626: Oct 4 21:02:19.152: h245\_decode\_one\_pdu: Read Pkt body:  
more\_pdus:0 rc:0 asn\_rc:0

001627: Oct 4 21:02:19.152: //281/736483928021/CCAPI/cc\_api\_caps\_ack:  
Destination Interface=0x65A8CAD4, Destination Call Id=280, Source Call Id=281,  
Caps(Codec=gsmefr(0x0), Fax Rate=Invalid(0x0), Vad=Invalid(0x0),  
Modem=OFF(0x0), Codec Bytes=0, Signal Type=0, Seq Num Start=0)

001628: Oct 4 21:02:19.152: h323chan\_chn\_process\_read\_socket

001629: Oct 4 21:02:19.152: h323chan\_chn\_process\_read\_socket:  
fd=4 of type CONNECTED has data

001630: Oct 4 21:02:19.152: h323chan\_chn\_process\_read\_socket:  
h323chan accepted/connected fd=4

001631: Oct 4 21:02:19.152: h245\_decode\_one\_pdu: more\_pdus = 0,  
bytesLeftToDecode = 2

001632: Oct 4 21:02:19.152: H245 MSC INCOMING ENCODE BUFFER::= 2080

001633: Oct 4 21:02:19.152:

001634: Oct 4 21:02:19.152: H245 MSC INCOMING PDU ::=

### [El gateway H.320 recibe MSD ACK del Polycom](#)

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

001635: Oct 4 21:02:19.152: h245\_decode\_one\_pdu: H245ASNDecodePdu rc = 0,  
bytesLeftToDecode = 0

001636: Oct 4 21:02:19.152: h245\_decode\_one\_pdu: Read Pkt body:  
more\_pdus:0 rc:0 asn\_rc:0

001637: Oct 4 21:02:19.172: h323chan\_chn\_process\_read\_socket

001638: Oct 4 21:02:19.172: h323chan\_chn\_process\_read\_socket:  
fd=4 of type CONNECTED has data

001639: Oct 4 21:02:19.172: h323chan\_chn\_process\_read\_socket:  
h323chan accepted/connected fd=4

001640: Oct 4 21:02:19.172: h245\_decode\_one\_pdu: more\_pdus = 0,  
bytesLeftToDecode = 19

001641: Oct 4 21:02:19.172: H245 MSC INCOMING ENCODE BUFFER::=  
030000010C6013800A040001000E320534C02B

001642: Oct 4 21:02:19.172:

### [El gateway H.320 recibe OLC audio \(G.711\) del Polycom](#)

IP address RTCP de Polycom: el puerto para la secuencia de audio es 14.50.5.52:49195.

001643: Oct 4 21:02:19.172: H245 MSC INCOMING PDU ::=

```
value MultimediaSystemControlMessage ::= request : openLogicalChannel :
{
forwardLogicalChannelNumber 2
forwardLogicalChannelParameters
{
dataType audioData : g711Ulaw64k : 20
multiplexParameters h2250LogicalChannelParameters :
```

```
{
sessionID 1
mediaControlChannel unicastAddress : ipAddress :
{
network '0E320534'H
tsapIdentifier 49195
}
}
}
}

001644: Oct 4 21:02:19.172: h245_decode_one_pdu: H245ASNDecodePdu rc = 0,
bytesLeftToDecode = 0
001645: Oct 4 21:02:19.172: h245_decode_one_pdu: Read Pkt body:
more_pdus:0 rc:0 asn_rc:0
001646: Oct 4 21:02:19.172: //281/736483928021/CCAPI/cc_api_event_indication:
Event=140, Call Id=281
001647: Oct 4 21:02:19.172: //281/736483928021/CCAPI/cc_api_event_indication:
Event Is Sent To Conferenced SPI(s) Directly
001648: Oct 4 21:02:19.176: //280/736483928021/H221():
dsmp_h221_set_outgoing_requested_audio_mode:
Outgoing Audio Mode=G.711 u-law 56k
```

### [Modo del audio saliente de los gateways establecidos H.320 a través del tramo pots](#)

```
001649: Oct 4 21:02:19.176: //280/736483928021/H221():
h221_lock_audio_mode:
Incoming Audio Mode=OFF, Outgoing Audio Mode=G.711 u-law 56k
001650: Oct 4 21:02:19.176: //280/736483928021/H221():
h221_outgoing_message_entry:
Outgoing BAS Command=Send Caps
001651: Oct 4 21:02:19.176: //280/736483928021/H221():
dsmp_h221_populate_config_rtp_params:
Direction=Outgoing, Type=Audio
001652: Oct 4 21:02:19.176: //280/736483928021/H221():
dsmp_h221_populate_config_rtp_params:
Audio Mode=G.711 u-law 56k, Coding Type=0x65, Channel Mask=0xFE
001653: Oct 4 21:02:19.176: //280/736483928021/CCAPI/cc_api_event_indication:
Event=141, Call Id=280
001654: Oct 4 21:02:19.176: //280/736483928021/CCAPI/cc_api_event_indication:
Event Is Sent To Conferenced SPI(s) Directly
```

### [El gateway H.320 envía OLC audio ACK al Polycom](#)

IP address RTP y RTCP del gateway H.320: el puerto para la secuencia de audio es 14.1.16.220:18718 y 14.1.16.220:18719.

```
001655: Oct 4 21:02:19.176: H245 MSC OUTGOING PDU ::=

value MultimediaSystemControlMessage ::= response : openLogicalChannelAck :
{
forwardLogicalChannelNumber 2
forwardMultiplexAckParameters h2250LogicalChannelAckParameters :
{
mediaChannel unicastAddress : ipAddress :
{
network '0E0110DC'H
tsapIdentifier 18718
}
mediaControlChannel unicastAddress : ipAddress :
{
network '0E0110DC'H
tsapIdentifier 18719
}
```

```

}
flowControlToZero FALSE
}
}

001656: Oct 4 21:02:19.176: H245 MSC OUTGOING ENCODE BUFFER ::=
      22C000010480134C000E0110DC491E000E0110DC491F03000100
001657: Oct 4 21:02:19.176:
001658: Oct 4 21:02:19.204: h323chan_chn_process_read_socket
001659: Oct 4 21:02:19.204: h323chan_chn_process_read_socket:
      fd=4 of type CONNECTED has data
001660: Oct 4 21:02:19.204: h323chan_chn_process_read_socket:
      h323chan accepted/connected fd=4

001661: Oct 4 21:02:19.204: h245_decode_one_pdu: more_pdus = 0,
      bytesLeftToDecode = 63
001662: Oct 4 21:02:19.204: H245 MSC INCOMING ENCODE BUFFER ::=
      0300000208FE0000050BC100705001001B080000104000AF007700AF007741204000
57003B0057003B4020408011046002000E320534C02D04000448097CC0
001663: Oct 4 21:02:19.204:

```

### [El gateway H.320 recibe el vídeo OLC \(H.263\) del Polycom](#)

IP address RTCP de Polycom: el puerto para el secuencia de video es 14.50.5.52:49197.

### [Fijan al tipo de carga útil RTP para el secuencia de video H.263 del Polycom al gateway H.320 a 96](#)

```

001664: Oct 4 21:02:19.204: H245 MSC INCOMING PDU ::=

value MultimediaSystemControlMessage ::= request : openLogicalChannel :
{
forwardLogicalChannelNumber 3
forwardLogicalChannelParameters
{
dataType videoData : h263VideoCapability :
{
sqcifMPI 1
qcifMPI 1
cifMPI 1
cif4MPI 2
maxBitRate 3010
unrestrictedVector FALSE
arithmeticCoding FALSE
advancedPrediction FALSE
pbFrames FALSE
temporalSpatialTradeOffCapability FALSE
errorCompensation FALSE
h263Options
{
advancedIntraCodingMode FALSE
deblockingFilterMode FALSE
improvedPBFramesMode FALSE
unlimitedMotionVectors FALSE
fullPictureFreeze FALSE
partialPictureFreezeAndRelease FALSE
resizingPartPicFreezeAndRelease FALSE
fullPictureSnapshot FALSE
partialPictureSnapshot FALSE
videoSegmentTagging FALSE
progressiveRefinement FALSE
dynamicPictureResizingByFour FALSE

```

```
dynamicPictureResizingSixteenthPel FALSE
dynamicWarpingHalfPel FALSE
dynamicWarpingSixteenthPel FALSE
independentSegmentDecoding FALSE
slicesInOrder-NonRect FALSE
slicesInOrder-Rect FALSE
slicesNoOrder-NonRect FALSE
slicesNoOrder-Rect FALSE
alternateInterVLCMode FALSE
modifiedQuantizationMode TRUE
reducedResolutionUpdate FALSE
separateVideoBackChannel FALSE
customPictureFormat
{
{
maxCustomPictureWidth 176
maxCustomPictureHeight 120
minCustomPictureWidth 176
minCustomPictureHeight 120
mPI
{
standardMPI 2
}
pixelAspectInformation pixelAspectCode :
{
3
}
},
{
maxCustomPictureWidth 88
maxCustomPictureHeight 60
minCustomPictureWidth 88
minCustomPictureHeight 60
mPI
{
standardMPI 1
}
pixelAspectInformation pixelAspectCode :
{
3
}
}
}
multiplexParameters h2250LogicalChannelParameters :
{
sessionID 2
mediaControlChannel unicastAddress : ipAddress :
{
network '0E320534'H
tsapIdentifier 49197
}
dynamicRTPPayloadType 96
mediaPacketization rtpPayloadType :
{
payloadDescriptor rfc-number : 2429
payloadType 96
}
}
}
}
```

```
001665: Oct 4 21:02:19.216: h245_decode_one_pdu: H245ASNDecodePdu rc = 0,
      bytesLeftToDecode = 0
001666: Oct 4 21:02:19.216: h245_decode_one_pdu: Read Pkt body:
      more_pdus:0 rc:0 asn_rc:0
001667: Oct 4 21:02:19.216: //281/736483928021/CCAPI/cc_api_event_indication:
Event=140, Call Id=281
001668: Oct 4 21:02:19.216: //281/736483928021/CCAPI/cc_api_event_indication:
Event Is Sent To Conferenced SPI(s) Directly
```

### [Modo video saliente de los gatewayes establecidos H.320 a través del tramo pots](#)

```
001669: Oct 4 21:02:19.216: //280/736483928021/H221():
      dsmp_h221_set_outgoing_requested_video_mode:
Outgoing Video Mode=H.263
001670: Oct 4 21:02:19.216: //280/736483928021/H221():
      h221_lock_video_mode:
Incoming Video Mode=OFF, Outgoing Video Mode=H.263
001671: Oct 4 21:02:19.216: //280/736483928021/H221():
      h221_outgoing_message_entry:
Outgoing BAS Command=Send Caps
001672: Oct 4 21:02:19.216: //280/736483928021/H221():
      dsmp_h221_populate_config_rtp_params:
Direction=Outgoing, Type=Video
001673: Oct 4 21:02:19.216: //280/736483928021/H221():
      dsmp_h221_populate_config_rtp_params:
Audio Mode=G.711 u-law 56k, Coding Type=0x65, Channel Mask=0xFE
001674: Oct 4 21:02:19.216: //280/736483928021/H221():
      dsmp_h221_populate_config_rtp_params:
Video Mode=H.263, Coding Type=0xC9, RFC Number=0x2, Payload Type=0x60
001675: Oct 4 21:02:19.216: //280/736483928021/H221():
      dsmp_h221_calculate_max_video_bandwidth_internal:
Calculation Type=Flow Control, B-Channel(s)=6, Bandwidth=3017
001676: Oct 4 21:02:19.216: //280/736483928021/H221():
      dsmp_h221_populate_flow_control_internal:
Video Flow Control, Value=3017, Bandwidth Calculated From H.320 Legs=3017
001677: Oct 4 21:02:19.220: //280/736483928021/CCAPI/cc_api_event_indication:
Event=141, Call Id=280
001678: Oct 4 21:02:19.220: //280/736483928021/CCAPI/cc_api_event_indication:
Event Is Sent To Conferenced SPI(s) Directly
001679: Oct 4 21:02:19.220: //280/736483928021/CCAPI/cc_api_event_indication:
Event=151, Call Id=280
001680: Oct 4 21:02:19.220: //280/736483928021/CCAPI/cc_api_event_indication:
Event Is Sent To Conferenced SPI(s) Directly
```

### [El gateway H.320 envía el vídeo OLC ACK al Polycom](#)

El IP address RTP y RTCP del gateway H.320: el puerto para el secuencia de video es 14.1.16.220:18078 y 14.1.16.220:18079.

```
001681: Oct 4 21:02:19.220: H245 MSC OUTGOING PDU ::=
value MultimediaSystemControlMessage ::= response : openLogicalChannelAck :
{
forwardLogicalChannelNumber 3
forwardMultiplexAckParameters h2250LogicalChannelAckParameters :
{
mediaChannel unicastAddress : ipAddress :
{
network '0E0110DC'H
tsapIdentifier 18078
}
mediaControlChannel unicastAddress : ipAddress :
{
```

```
network '0E0110DC'H
tsapIdentifier 18079
}
flowControlToZero FALSE
}
}
```

```
001682: Oct 4 21:02:19.220: H245 MSC OUTGOING ENCODE BUFFER::=
      22C000020480134C000E0110DC469E000E0110DC469F03000100
```

```
001683: Oct 4 21:02:19.220:
```

```
001684: Oct 4 21:02:19.220: H245 MSC OUTGOING PDU ::=
```

```
value MultimediaSystemControlMessage ::= command : flowControlCommand :
{
scope logicalChannelNumber : 3
restriction maximumBitRate : 3017
}
```

```
001685: Oct 4 21:02:19.224: H245 MSC OUTGOING ENCODE BUFFER::= 48000002200BC9
```

```
001686: Oct 4 21:02:19.224:
```

```
001687: Oct 4 21:02:19.224: h323chan_chn_process_read_socket
```

```
001688: Oct 4 21:02:19.224: h323chan_chn_process_read_socket:
      fd=4 of type CONNECTED has data
```

```
001689: Oct 4 21:02:19.224: h323chan_chn_process_read_socket:
      h323chan accepted/connected fd=4
```

```
001690: Oct 4 21:02:19.224: h245_decode_one_pdu: more_pdus = 0,
      bytesLeftToDecode = 5
```

```
001691: Oct 4 21:02:19.224: H245 MSC INCOMING ENCODE BUFFER::= 6900000100
```

```
001692: Oct 4 21:02:19.224:
```

```
001693: Oct 4 21:02:19.224: H245 MSC INCOMING PDU ::=
```

```
value MultimediaSystemControlMessage ::= indication : miscellaneousIndication :
{
logicalChannelNumber 2
type logicalChannelActive : NULL
}
```

```
001694: Oct 4 21:02:19.224: h245_decode_one_pdu: H245ASNDecodePdu rc = 0,
      bytesLeftToDecode = 0
```

```
001695: Oct 4 21:02:19.224: h245_decode_one_pdu: Read Pkt body:
      more_pdus:0 rc:0 asn_rc:0
```

```
001696: Oct 4 21:02:19.224: //281/736483928021/CCAPI/cc_api_event_indication:
Event=151, Call Id=281
```

```
001697: Oct 4 21:02:19.224: //281/736483928021/CCAPI/cc_api_event_indication:
Event Is Sent To Conferenced SPI(s) Directly
```

```
001698: Oct 4 21:02:19.224:
```

## [El gateway H.320 envía el audio indica el control activo y la señal de información al punto final de video remoto en el PSTN](#)

El H.320 gateway envía el audio indica el control activo y la señal de información al punto final de video remoto en el PSTN para activar el canal de audio.

```
//280/736483928021/H221:():h221_outgoing_message_entry:
Outgoing BAS Command=Send Miscellaneous
```

```
001699: Oct 4 21:02:19.224: //280/736483928021/H221:():
      h221_outgoing_send_misc_cmd_indication:
```

```
Send Miscellaneous Command=Audio Channel Active
```

```
001700: Oct 4 21:02:19.248: h323chan_chn_process_read_socket
```

```
001701: Oct 4 21:02:19.248: h323chan_chn_process_read_socket:
      fd=4 of type CONNECTED has data
```

```
001702: Oct 4 21:02:19.248: h323chan_chn_process_read_socket:
```

```
h323chan accepted/connected fd=4

001703: Oct 4 21:02:19.248: h245_decode_one_pdu: more_pdus = 0,
      bytesLeftToDecode = 9
001704: Oct 4 21:02:19.248: H245 MSC INCOMING ENCODE BUFFER ::=
      70E006000002200BC2
001705: Oct 4 21:02:19.248:
001706: Oct 4 21:02:19.248: H245 MSC INCOMING PDU ::=

value MultimediaSystemControlMessage ::= indication : flowControlIndication :
{
scope logicalChannelNumber : 3
restriction maximumBitRate : 3010
}

001707: Oct 4 21:02:19.248: h245_decode_one_pdu: H245ASNDecodePdu rc = 0,
      bytesLeftToDecode = 0
001708: Oct 4 21:02:19.248: h245_decode_one_pdu: Read Pkt body:
      ore_pdus:0 rc:0 asn_rc:0
001709: Oct 4 21:02:19.532: //280/736483928021/H221():
      dsmp_h221_update_dsp_timestamp:
BAS Message Timestamp=2500(ms), Last Squelch Timestamp=0(ms)
Last Fast Video Update Timestamp=0(ms), Update Bas Timestamp=FALSE
001710: Oct 4 21:02:19.536:
```

*!--- Some debug outputs have been removed.*

## [El punto final de video en el PSTN fija la velocidad de transferencia y al modo de audio](#)

```
001815: Oct 4 21:02:24.036: //280/736483928021/H221():
      h221_incoming_transfer_rate_mode:
Incoming B-channel Mode=6
001816: Oct 4 21:02:24.036: //280/736483928021/H221():
      h221_incoming_audio_mode:
Incoming Audio Mode=G.711 u-law 56k
001817: Oct 4 21:02:24.036: //280/736483928021/H221():
      h221_incoming_unsupported_other_mode:
BAS=0x60
001818: Oct 4 21:02:24.036: //280/736483928021/H221():
      h221_incoming_unsupported_other_mode:
BAS=0x70
001819: Oct 4 21:02:24.036: //280/736483928021/H221():
      h221_incoming_message_entry:
Return Code=H221 Partial Message
001820: Oct 4 21:02:24.036: //280/736483928021/H221():
      dsmp_h221_check_for_bas_squelch:
H221 Squelch Map=0x0
001821: Oct 4 21:02:24.036: //280/736483928021/H221():
      dsmp_h221_check_for_bas_squelch:
H221 Squelch Map=0x0
001822: Oct 4 21:02:24.036: //280/736483928021/H221():
      h221_lock_audio_mode:
Incoming Audio Mode=G.711 u-law 56k, Outgoing Audio Mode=G.711 u-law 56k
001823: Oct 4 21:02:24.036: //280/736483928021/CCAPI/cc_api_event_indication:
Event=140, Call Id=280
001824: Oct 4 21:02:24.036: //280/736483928021/CCAPI/cc_api_event_indication:
Event Is Sent To Conferenced SPI(s) Directly
```

## [El gateway H.320 envía OLC audio \(G.711\) al Polycom](#)

El IP address RTCP del gateway H.320: el puerto para la secuencia de audio es 14.1.16.220:18719.

001825: Oct 4 21:02:24.036: H245 MSC OUTGOING PDU ::=

```
value MultimediaSystemControlMessage ::= request : openLogicalChannel :
{
forwardLogicalChannelNumber 1
forwardLogicalChannelParameters
{
dataType audioData : g711Ulaw64k : 20
multiplexParameters h2250LogicalChannelParameters :
{
sessionID 1
mediaControlChannel unicastAddress : ipAddress :
{
network '0E0110DC'H
tsapIdentifier 18719
}
silenceSuppression FALSE
}
}
}
```

001826: Oct 4 21:02:24.040: H245 MSC OUTGOING ENCODE BUFFER::=
030000000C6013800B050001000E0110DC491F00

001827: Oct 4 21:02:24.040:

001828: Oct 4 21:02:24.052: h323chan\_chn\_process\_read\_socket

001829: Oct 4 21:02:24.052: h323chan\_chn\_process\_read\_socket:

fd=4 of type CONNECTED has data

001830: Oct 4 21:02:24.052: h323chan\_chn\_process\_read\_socket:

h323chan accepted/connected fd=4

001831: Oct 4 21:02:24.052: h245\_decode\_one\_pdu: more\_pdus = 0,

bytesLeftToDecode = 23

001832: Oct 4 21:02:24.052: H245 MSC INCOMING ENCODE BUFFER::=

22C000000480101C00000E320534C02A000E320534C02B

001833: Oct 4 21:02:24.052:

## [El gateway H.320 recibe OLC audio ACK del Polycom](#)

IP address RTP y RTCP de Polycom: el puerto para la secuencia de audio es 14.50.5.52:49194 y 14.50.5.52:49195.

001834: Oct 4 21:02:24.052: H245 MSC INCOMING PDU ::=

```
value MultimediaSystemControlMessage ::= response : openLogicalChannelAck :
{
forwardLogicalChannelNumber 1
forwardMultiplexAckParameters h2250LogicalChannelAckParameters :
{
sessionID 1
mediaChannel unicastAddress : ipAddress :
{
network '0E320534'H
tsapIdentifier 49194
}
mediaControlChannel unicastAddress : ipAddress :
{
network '0E320534'H
tsapIdentifier 49195
}
}
}
```

001835: Oct 4 21:02:24.052: h245\_decode\_one\_pdu: H245ASNDecodePdu rc = 0,



```
bytesLeftToDecode = 0
001836: Oct 4 21:02:24.052: h245_decode_one_pdu: Read Pkt body:
    more_pdus:0 rc:0 asn_rc:0
001837: Oct 4 21:02:24.056: //281/736483928021/CCAPI/cc_api_event_indication:
Event=141, Call Id=281
001838: Oct 4 21:02:24.056: //281/736483928021/CCAPI/cc_api_event_indication:
Event Is Sent To Conferenced SPI(s) Directly
001839: Oct 4 21:02:24.056: RAS OUTGOING PDU ::=
```

```
value RasMessage ::= bandwidthRequest :
{
requestSeqNum 2051
endpointIdentifier {"65766C6C00000001"}
conferenceID '73648392532211DB8021000D28D3D7C0'H
callReferenceValue 28
bandWidth 7300
callIdentifier
{
guid '73651FB9532211DB817D90162806D3F1'H
}
answeredCall FALSE
}
```

```
001840: Oct 4 21:02:24.056: RAS OUTGOING ENCODE BUFFER::=
    320008021E0036003500370036003600430036004300300030003000300030003
    00030003173648392532211DB8021000D28D3D7C0001C401C8415080011007365
    1FB9532211DB817D90162806D3F10100
```

```
001841: Oct 4 21:02:24.056: h323chan_dgram_send:Sent UDP msg.
    Bytes sent: 81 to 14.50.3.101:1719 fd=2
```

```
001842: Oct 4 21:02:24.056: RASLib::GW_RASSendBRQ:
    BRQ (seq# 2051) sent to 14.50.3.101
```

```
001843: Oct 4 21:02:24.056: //280/736483928021/H221():
    dsmp_h221_populate_config_rtp_params:
Direction=Incoming, Type=Audio
```

```
001844: Oct 4 21:02:24.056: //280/736483928021/H221():
    dsmp_h221_populate_config_rtp_params:
Audio Mode=G.711 u-law 56k, Coding Type=0x65, Channel Mask=0xFE
```

```
001845: Oct 4 21:02:24.060: h323chan_chn_process_read_socket
001846: Oct 4 21:02:24.060: h323chan_chn_process_read_socket:
    fd=2 of type CONNECTED has data
001847: Oct 4 21:02:24.060: h323chan_chn_process_read_socket:
    h323chan accepted/connected fd=2
```

```
001848: Oct 4 21:02:24.060: h323chan_dgram_recvdata:rcvd from
    [14.50.3.101:1719] on fd=2
```

```
001849: Oct 4 21:02:24.060: RAS INCOMING ENCODE BUFFER::= 340802401C84
001850: Oct 4 21:02:24.060:
001851: Oct 4 21:02:24.060: RAS INCOMING PDU ::=
```

```
value RasMessage ::= bandwidthConfirm :
{
requestSeqNum 2051
bandWidth 7300
}
```

*!--- Some debug outputs are removed*

## [El punto final de video en el PSTN fija el modo video](#)

```
001870: Oct 4 21:02:25.036: //280/736483928021/H221():
    h221_incoming_video_mode:
```

```
Incoming Video Mode=H.263
001871: Oct 4 21:02:25.036: //280/736483928021/H221():
    dsmp_h221_video_mode:
Video Mode=H.263
001872: Oct 4 21:02:25.036: //280/736483928021/H221():
    h221_incoming_unsupported_other_mode:
BAS=0x60
001873: Oct 4 21:02:25.036: //280/736483928021/H221():
    h221_incoming_unsupported_other_mode:
BAS=0x70
001874: Oct 4 21:02:25.036: //280/736483928021/H221():
    h221_incoming_handle_table_4_H230:
Handling H.230 BAS=0x3
```

### [El gateway H.320 recibe el audio indica el control activo y la señal de información del punto final de video remoto en el PSTN](#)

El gateway H.320 recibe el audio indica el control activo y la señal de información del punto final de video remoto en el PSTN para activar el canal de audio.

```
001875: Oct 4 21:02:25.036: //280/736483928021/H221():
    dsmp_h221_misc_command:
Received Miscellaneous Command=Audio Channel Active
001876: Oct 4 21:02:25.036: //280/736483928021/H221():
    h221_incoming_message_entry:
Return Code=H221 Partial Message
001877: Oct 4 21:02:25.036: //280/736483928021/H221():
    dsmp_h221_check_for_bas_sqelch:
H221 Sqelch Map=0x0
001878: Oct 4 21:02:25.036: //280/736483928021/H221():
    dsmp_h221_check_for_bas_sqelch:
H221 Sqelch Map=0x1
001879: Oct 4 21:02:25.036: //280/736483928021/H221():
    h221_lock_video_mode:
Incoming Video Mode=H.263, Outgoing Video Mode=H.263
001880: Oct 4 21:02:25.036: //280/736483928021/H221():
    h221_outgoing_message_entry:
Outgoing BAS Command=Send Mode
001881: Oct 4 21:02:25.036: //280/736483928021/H221():
    dsmp_h221_calculate_max_video_bandwidth_internal:
Calculation Type=Max Capability, B-Channel(s)=6, Bandwidth=3017
001882: Oct 4 21:02:25.036:
    //280/736483928021/CCAPI/cc_api_event_indication:
Event=140, Call Id=280
001883: Oct 4 21:02:25.036:
    //280/736483928021/CCAPI/cc_api_event_indication:
Event Is Sent To Conferenced SPI(s) Directly
001884: Oct 4 21:02:25.036:
    //280/736483928021/CCAPI/cc_api_event_indication:
Event=151, Call Id=280
001885: Oct 4 21:02:25.040:
    //280/736483928021/CCAPI/cc_api_event_indication:
Event Is Sent To Conferenced SPI(s) Directly
```

### [El gateway H.320 envía el vídeo OLC \(H.263\) al Polycom](#)

IP address RTCP del gateway H.320: el puerto para el secuencia de video es 14.1.16.220:18079.

[Fijan al tipo de carga útil RTP para el secuencia de video H.263 del gateway H.320 al Polycom a 110](#)

001886: Oct 4 21:02:25.040: H245 MSC OUTGOING PDU ::=

```
value MultimediaSystemControlMessage ::= request : openLogicalChannel :
{
forwardLogicalChannelNumber 2
forwardLogicalChannelParameters
{
dataType videoData : h263VideoCapability :
{
qcifMPI 1
cifMPI 1
cif4MPI 2
maxBitRate 3017
unrestrictedVector FALSE
arithmeticCoding FALSE
advancedPrediction TRUE
pbFrames FALSE
temporalSpatialTradeOffCapability FALSE
errorCompensation FALSE
h263Options
{
advancedIntraCodingMode FALSE
deblockingFilterMode FALSE
improvedPBFramesMode FALSE
unlimitedMotionVectors FALSE
fullPictureFreeze FALSE
partialPictureFreezeAndRelease FALSE
resizingPartPicFreezeAndRelease FALSE
fullPictureSnapshot FALSE
partialPictureSnapshot FALSE
videoSegmentTagging FALSE
progressiveRefinement FALSE
dynamicPictureResizingByFour FALSE
dynamicPictureResizingSixteenthPel FALSE
dynamicWarpingHalfPel FALSE
dynamicWarpingSixteenthPel FALSE
independentSegmentDecoding FALSE
slicesInOrder-NonRect FALSE
slicesInOrder-Rect FALSE
slicesNoOrder-NonRect FALSE
slicesNoOrder-Rect FALSE
alternateInterVLCMode FALSE
modifiedQuantizationMode TRUE
reducedResolutionUpdate FALSE
separateVideoBackChannel FALSE
customPictureFormat
{
{
maxCustomPictureWidth 176
maxCustomPictureHeight 120
minCustomPictureWidth 176
minCustomPictureHeight 120
mPI
{
standardMPI 2
}
}
pixelAspectInformation pixelAspectCode :
{
3
}
},
{
maxCustomPictureWidth 88
```

```

maxCustomPictureHeight 60
minCustomPictureWidth 88
minCustomPictureHeight 60
mPI
{
standardMPI 1
}
pixelAspectInformation pixelAspectCode :
{
3
}
}
}
}
}
multiplexParameters h2250LogicalChannelParameters :
{
sessionID 2
mediaControlChannel unicastAddress : ipAddress :
{
network '0E0110DC'H
tsapIdentifier 18079
}
dynamicRTPPayloadType 110
mediaPacketization rtpPayloadType :
{
payloadDescriptor rfc-number : 2429
payloadType 110
}
}
}
}
001887: Oct 4 21:02:25.048: H245 MSC OUTGOING ENCODE BUFFER ::=
    0300000108EE0000A00BC820705001001B080000104000AF007700AF007
    74120400057003B0057003B4020408011046002000E0110DC469F740004
    48097CDC
001888: Oct 4 21:02:25.048:
001889: Oct 4 21:02:25.048: H245 MSC OUTGOING PDU ::=

value MultimediaSystemControlMessage ::= indication : miscellaneousIndication :
{
logicalChannelNumber 1
type logicalChannelActive : NULL
}

001890: Oct 4 21:02:25.048: H245 MSC OUTGOING ENCODE BUFFER ::= 6900000000
001891: Oct 4 21:02:25.052:
001892: Oct 4 21:02:25.068: h323chan_chn_process_read_socket
001893: Oct 4 21:02:25.068: h323chan_chn_process_read_socket:
    fd=4 of type CONNECTED has data
001894: Oct 4 21:02:25.068: h323chan_chn_process_read_socket:
    h323chan accepted/connected fd=4

001895: Oct 4 21:02:25.068: h245_decode_one_pdu: more_pdus = 0,
    bytesLeftToDecode = 23
001896: Oct 4 21:02:25.068: H245 MSC INCOMING ENCODE BUFFER ::=
    22C000010480101C02000E320534C02C000E320534C02D
001897: Oct 4 21:02:25.068:

```

[El gateway H.320 recibe el vídeo OLC ACK del Polycom](#)

IP address RTP y RTCP de Polycom: el puerto para el secuencia de video es 14.50.5.52:49196 y

14.50.5.52:49197.

001898: Oct 4 21:02:25.068: H245 MSC INCOMING PDU ::=

```
value MultimediaSystemControlMessage ::= response : openLogicalChannelAck :
{
forwardLogicalChannelNumber 2
forwardMultiplexAckParameters h2250LogicalChannelAckParameters :
{
sessionID 2
mediaChannel unicastAddress : ipAddress :
{
network '0E320534'H
tsapIdentifier 49196
}
mediaControlChannel unicastAddress : ipAddress :
{
network '0E320534'H
tsapIdentifier 49197
}
}
}
```

001899: Oct 4 21:02:25.072: h245\_decode\_one\_pdu: H245ASNDecodePdu rc = 0,  
bytesLeftToDecode = 0

001900: Oct 4 21:02:25.072: h245\_decode\_one\_pdu: Read Pkt body:  
more\_pdus:0 rc:0 asn\_rc:0

001901: Oct 4 21:02:25.072: //281/736483928021/CCAPI/cc\_api\_event\_indication:  
Event=141, Call Id=281

001902: Oct 4 21:02:25.072: //281/736483928021/CCAPI/cc\_api\_event\_indication:  
Event Is Sent To Conferenced SPI(s) Directly

001903: Oct 4 21:02:25.072: //280/736483928021/H221():  
dsmp\_h221\_populate\_config\_rtp\_params:

Direction=Incoming, Type=Video

001904: Oct 4 21:02:25.072: //280/736483928021/H221():  
dsmp\_h221\_populate\_config\_rtp\_params:

Audio Mode=G.711 u-law 56k, Coding Type=0x65, Channel Mask=0xFE

001905: Oct 4 21:02:25.072: //280/736483928021/H221():  
dsmp\_h221\_populate\_config\_rtp\_params:

Video Mode=H.263, Coding Type=0xC9, RFC Number=0x2, Payload Type=0x6E

001906: Oct 4 21:02:25.072: //280/736483928021/H221():  
dsmp\_h221\_populate\_config\_rtp\_params:

Direction=Outgoing, Type=Video

001907: Oct 4 21:02:25.072: //280/736483928021/H221():  
dsmp\_h221\_populate\_config\_rtp\_params:

Audio Mode=G.711 u-law 56k, Coding Type=0x65, Channel Mask=0xFE

001908: Oct 4 21:02:25.072: //280/736483928021/H221():  
dsmp\_h221\_populate\_config\_rtp\_params:

Video Mode=H.263, Coding Type=0xC9, RFC Number=0x2, Payload Type=0x60

001909: Oct 4 21:02:25.072: h323chan\_chn\_process\_read\_socket

001910: Oct 4 21:02:25.072: h323chan\_chn\_process\_read\_socket:  
fd=4 of type CONNECTED has data

001911: Oct 4 21:02:25.076: h323chan\_chn\_process\_read\_socket:  
h323chan accepted/connected fd=4

001912: Oct 4 21:02:25.076: h245\_decode\_one\_pdu: more\_pdus = 0,  
bytesLeftToDecode = 7

001913: Oct 4 21:02:25.076: H245 MSC INCOMING ENCODE BUFFER ::= 48000001200C80

001914: Oct 4 21:02:25.076:

001915: Oct 4 21:02:25.076: H245 MSC INCOMING PDU ::=

```
value MultimediaSystemControlMessage ::= command : flowControlCommand :
{
```

```
scope logicalChannelNumber : 2
restriction maximumBitRate : 3200
}
```

```
001916: Oct 4 21:02:25.076: h245_decode_one_pdu:
      H245ASNDecodePdu rc = 0, bytesLeftToDecode = 0
001917: Oct 4 21:02:25.076: h245_decode_one_pdu:
      Read Pkt body: more_pdus:0 rc:0 asn_rc:0
001918: Oct 4 21:02:25.076: //281/736483928021/CCAPI/cc_api_event_indication:
Event=151, Call Id=281
001919: Oct 4 21:02:25.076: //281/736483928021/CCAPI/cc_api_event_indication:
Event Is Sent To Conferenced SPI(s) Directly
001920: Oct 4 21:02:25.076: h323chan_chn_process_read_socket
001921: Oct 4 21:02:25.076: h323chan_chn_process_read_socket:
      fd=4 of type CONNECTED has data
001922: Oct 4 21:02:25.076: h323chan_chn_process_read_socket:
      h323chan accepted/connected fd=4

001923: Oct 4 21:02:25.076: h245_decode_one_pdu: more_pdus = 0,
      bytesLeftToDecode = 4
001924: Oct 4 21:02:25.076: H245 MSC INCOMING ENCODE BUFFER ::= 4C000128
001925: Oct 4 21:02:25.076:
```

### [El gateway H.320 recibe la petición rápida video de la imagen de la actualización \(VFU\) del Polycom](#)

En esta salida, el gateway H.320 recibe una petición de la imagen VFU del Polycom, que indica que está listo para recibir el secuencia de video.

```
001926: Oct 4 21:02:25.076: H245 MSC INCOMING PDU ::=

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

001927: Oct 4 21:02:25.076: h245_decode_one_pdu: H245ASNDecodePdu rc = 0,
      bytesLeftToDecode = 0
001928: Oct 4 21:02:25.076: h245_decode_one_pdu: Read Pkt body:
      more_pdus:0 rc:0 asn_rc:0
001929: Oct 4 21:02:25.076: //281/736483928021/CCAPI/cc_api_event_indication:
Event=151, Call Id=281
001930: Oct 4 21:02:25.076: //281/736483928021/CCAPI/cc_api_event_indication:
Event Is Sent To Conferenced SPI(s) Directly
001931: Oct 4 21:02:25.076: //280/736483928021/H221():
      h221_outgoing_message_entry:
Outgoing BAS Command=Send Miscellaneous
001932: Oct 4 21:02:25.076: //280/736483928021/H221():
      h221_outgoing_send_misc_cmd_indication:
Send Miscellaneous Command=Flow Control
001933: Oct 4 21:02:25.076: //280/736483928021/H221():
      h221_outgoing_send_misc_cmd_indication:
Sending Non-Standard Flow-Control To Cisco Peer, Value=3200
001934: Oct 4 21:02:25.076: //280/736483928021/H221():
      h221_outgoing_message_entry:
Outgoing BAS Command=Send Miscellaneous
001935: Oct 4 21:02:25.076:
```

### [El gateway H.320 envía el control de la imagen de la actualización y la señal de información rápidos video al punto final de video en el PSTN](#)

```
//280/736483928021/H221:():h221_outgoing_send_misc_cmd_indication:
Send Miscellaneous Command=Video Fast Update Picture
```

```
!--- Some debug outputs have been removed. 001973: Oct 4 21:02:26.168:
h323chan_chn_process_read_socket: h323chan accepted/connected fd=4 001974: Oct 4 21:02:26.168:
h245_decode_one_pdu: more_pdus = 0, bytesLeftToDecode = 7 001975: Oct 4 21:02:26.168: H245 MSC
INCOMING ENCODE BUFFER::= 48000001200C80 001976: Oct 4 21:02:26.168:
```

### [El gateway H.320 recibe el comando de control de flujo del Polycom](#)

```
001977: Oct 4 21:02:26.168: H245 MSC INCOMING PDU ::=
```

```
value MultimediaSystemControlMessage ::= command : flowControlCommand :
{
scope logicalChannelNumber : 2
restriction maximumBitRate : 3200
}
```

```
001978: Oct 4 21:02:26.168: h245_decode_one_pdu: H245ASNDecodePdu rc = 0,
bytesLeftToDecode = 0
```

```
001979: Oct 4 21:02:26.168: h245_decode_one_pdu: Read Pkt body:
more_pdus:0 rc:0 asn_rc:0
```

```
001980: Oct 4 21:02:26.168: //281/736483928021/CCAPI/cc_api_event_indication:
Event=151, Call Id=281
```

```
001981: Oct 4 21:02:26.168: //281/736483928021/CCAPI/cc_api_event_indication:
Event Is Sent To Conferenced SPI(s) Directly
```

```
001982: Oct 4 21:02:26.168: //280/736483928021/H221:():
h221_outgoing_message_entry:
```

```
Outgoing BAS Command=Send Miscellaneous
```

```
001983: Oct 4 21:02:26.168:
```

### [El gateway H.320 envía el comando de control de flujo al punto final de video en el PSTN](#)

```
//280/736483928021/H221:():h221_outgoing_send_misc_cmd_indication:
Send Miscellaneous Command=Flow Control
```

```
001984: Oct 4 21:02:26.168: //280/736483928021/H221:():
h221_outgoing_send_misc_cmd_indication:
```

```
Sending Non-Standard Flow-Control To Cisco Peer, Value=3200
```

```
!--- Some debug outputs have been removed
```

### [El gateway H.320 envía el comando de control de flujo al Polycom](#)

### [El gateway H.320 recibe el comando de control de flujo del punto final de video en el PSTN](#)

```
002005: Oct 4 21:02:26.536: //280/736483928021/H221:():
h221_incoming_ns_cap_comm:
```

```
Cisco GW non-standard Indication Received, Command=Flow Control, Value=3200
```

```
002006: Oct 4 21:02:26.536: //280/736483928021/H221:():dsmp_h221_misc_command:
Received Miscellaneous Command=Flow Control
```

```
002007: Oct 4 21:02:26.536: //280/736483928021/H221:():
dsmp_h221_calculate_max_video_bandwidth_internal:
```

```
Calculation Type=Flow Control, B-Channel(s)=6, Bandwidth=3017
```

```
002008: Oct 4 21:02:26.536: //280/736483928021/H221:():
dsmp_h221_populate_flow_control_internal:
```

```
Video Flow Control, Value=3017, Bandwidth Calculated From H.320 Legs=3017
```

```
Flow Control Bandwidth Received From H.320 Peer=3200
```

```
002009: Oct 4 21:02:26.536: //280/736483928021/H221:():
dsmp_h221_check_for_bas_sqelch:
```

```
H221 Sqelch Map=0x1
```

```
002010: Oct 4 21:02:26.536: //280/736483928021/H221:():
dsmp_h221_check_for_bas_sqelch:
```

```
H221 Sqelch Map=0x1
```

002011: Oct 4 21:02:26.536: //280/736483928021/CCAPI/cc\_api\_event\_indication:  
Event=151, Call Id=280

002012: Oct 4 21:02:26.536: //280/736483928021/CCAPI/cc\_api\_event\_indication:  
Event Is Sent To Conferenced SPI(s) Directly

### [El gateway H.320 envía el comando de control de flujo al Polycom](#)

002013: Oct 4 21:02:26.536: H245 MSC OUTGOING PDU ::=

```
value MultimediaSystemControlMessage ::= command : flowControlCommand :  
{  
scope logicalChannelNumber : 3  
restriction maximumBitRate : 3017  
}
```

002014: Oct 4 21:02:26.536: H245 MSC OUTGOING ENCODE BUFFER ::= 48000002200BC9

*!--- Some debug outputs have been removed*

### [El punto final de video en el PSTN desconecta la llamada video](#)

002136: Oct 4 21:02:55.578: RCF (seq# 2052) rcvd

002137: Oct 4 21:03:14.223: ISDN Se2/1:23 Q931:

RX <- DISCONNECT pd = 8 callref = 0x00A0

Cause i = 0x829F - Normal, unspecified

002138: Oct 4 21:03:14.227: %ISDN-6-DISCONNECT:

Interface Serial2/1:1 disconnected from 9193926000 ,  
call lasted 57 seconds

002139: Oct 4 21:03:14.227: ISDN Se2/1:23 Q931:

RX <- DISCONNECT pd = 8 callref = 0x00A1

Cause i = 0x829F - Normal, unspecified

002140: Oct 4 21:03:14.227: ISDN Se2/1:23 Q931:

TX -> RELEASE pd = 8 callref = 0x80A0

002141: Oct 4 21:03:14.227: ISDN Se2/1:23 Q931:

RX <- DISCONNECT pd = 8 callref = 0x00A2

Cause i = 0x829F - Normal, unspecified

002142: Oct 4 21:03:14.231: %ISDN-6-DISCONNECT:

Interface Serial2/1:2 disconnected from 9193926000 ,  
call lasted 56 seconds

002143: Oct 4 21:03:14.231: %ISDN-6-DISCONNECT:

Interface Serial2/1:3 disconnected from 9193926000 ,  
call lasted 56 seconds

002144: Oct 4 21:03:14.231: ISDN Se2/1:23 Q931:

RX <- DISCONNECT pd = 8 callref = 0x00A3

Cause i = 0x829F - Normal, unspecified

002145: Oct 4 21:03:14.231: ISDN Se2/1:23 Q931:

RX <- DISCONNECT pd = 8 callref = 0x00A4

Cause i = 0x829F - Normal, unspecified

002146: Oct 4 21:03:14.235: ISDN Se2/1:23 Q931:

TX -> RELEASE pd = 8 callref = 0x80A1

002147: Oct 4 21:03:14.235: ISDN Se2/1:23 Q931:

TX -> RELEASE pd = 8 callref = 0x80A2

002148: Oct 4 21:03:14.235: ISDN Se2/1:23 Q931:

RX <- DISCONNECT pd = 8 callref = 0x009F

Cause i = 0x829F - Normal, unspecified

002149: Oct 4 21:03:14.239: %ISDN-6-DISCONNECT:

Interface Serial2/1:4 disconnected from 9193926000 ,  
call lasted 56 seconds

002150: Oct 4 21:03:14.239: %ISDN-6-DISCONNECT:

Interface Serial2/1:5 disconnected from 9193926000 ,  
call lasted 55 seconds

002151: Oct 4 21:03:14.239: %ISDN-6-DISCONNECT:

Interface Serial2/1:0 disconnected from 9193926000 ,  
call lasted 57 seconds



002152: Oct 4 21:03:14.239: ISDN Se2/1:23 Q931:  
RX <- RELEASE\_COMP pd = 8 callref = 0x00A0

002153: Oct 4 21:03:14.243: ISDN Se2/1:23 Q931:  
TX -> RELEASE pd = 8 callref = 0x80A3

002154: Oct 4 21:03:14.243: ISDN Se2/1:23 Q931:  
TX -> RELEASE pd = 8 callref = 0x80A4

002155: Oct 4 21:03:14.243: ISDN Se2/1:23 Q931:  
TX -> RELEASE pd = 8 callref = 0x809F

002156: Oct 4 21:03:14.243: ISDN Se2/1:23 Q931:  
RX <- RELEASE\_COMP pd = 8 callref = 0x00A1

002157: Oct 4 21:03:14.243:  
//280/736483928021/CCAPI/cc\_api\_call\_disconnected:  
Cause Value=31, Interface=0x65A8CAD4, Call Id=280

002158: Oct 4 21:03:14.243:  
//280/736483928021/CCAPI/cc\_api\_call\_disconnected:  
Call Entry(Responded=TRUE, Cause Value=31, Retry Count=0)

002159: Oct 4 21:03:14.243: ISDN Se2/1:23 Q931:  
RX <- RELEASE\_COMP pd = 8 callref = 0x00A2

002160: Oct 4 21:03:14.247: //280/736483928021/CCAPI/ccConferenceDestroy:  
Conference Id=0x12, Tag=0x0

002161: Oct 4 21:03:14.247: //280/xxxxxxxxxxxx/CCAPI/cc\_api\_bridge\_drop\_done:  
Conference Id=0x12, Source Interface=0x65A8CAD4, Source Call Id=280,  
Destination Call Id=281, Disposition=0x0, Tag=0x0

002162: Oct 4 21:03:14.247: //281/xxxxxxxxxxxx/CCAPI/cc\_api\_bridge\_drop\_done:  
Conference Id=0x12, Source Interface=0x65D7A87C, Source Call Id=281,  
Destination Call Id=280, Disposition=0x0, Tag=0x0

002163: Oct 4 21:03:14.247: //280/736483928021/CCAPI/cc\_generic\_bridge\_done:  
Conference Id=0x12, Source Interface=0x65D7A87C, Source Call Id=281,  
Destination Call Id=280, Disposition=0x0, Tag=0x0

002164: Oct 4 21:03:14.247: ISDN Se2/1:23 Q931:  
RX <- RELEASE\_COMP pd = 8 callref = 0x00A3

002165: Oct 4 21:03:14.255: ISDN Se2/1:23 Q931:  
RX <- RELEASE\_COMP pd = 8 callref = 0x00A4

002166: Oct 4 21:03:14.255: ISDN Se2/1:23 Q931:  
RX <- RELEASE\_COMP pd = 8 callref = 0x009F

002167: Oct 4 21:03:14.255: //280/736483928021/CCAPI/ccCallDisconnect:  
Cause Value=31, Tag=0x0, Call Entry(Previous Disconnect Cause=0,  
Disconnect Cause=31)

002168: Oct 4 21:03:14.255: //280/736483928021/CCAPI/ccCallDisconnect:  
Cause Value=31, Call Entry(Responded=TRUE, Cause Value=31)

002169: Oct 4 21:03:14.255: //280/736483928021/CCAPI/cc\_api\_get\_transfer\_info:  
Transfer Number Is Null

002170: Oct 4 21:03:14.255: //281/736483928021/CCAPI/ccCallDisconnect:  
Cause Value=31, Tag=0x0, Call Entry(Previous Disconnect Cause=0,  
Disconnect Cause=0)

002171: Oct 4 21:03:14.255: //281/736483928021/CCAPI/ccCallDisconnect:  
Cause Value=31, Call Entry(Responded=TRUE, Cause Value=31)

002172: Oct 4 21:03:14.259: //281/736483928021/CCAPI/cc\_api\_get\_transfer\_info:  
Transfer Number Is Null

002173: Oct 4 21:03:14.259:  
//282/736483928021/CCAPI/cc\_api\_call\_disconnect\_done:  
Disposition=0, Interface=0x65A8CAD4, Tag=0x0, Call Id=282,  
Call Entry(Disconnect Cause=0, Voice Class Cause Code=0, Retry Count=0)

002174: Oct 4 21:03:14.259:  
//282/736483928021/CCAPI/cc\_api\_call\_disconnect\_done:  
Call Disconnect Event Sent

002175: Oct 4 21:03:14.259: //-1/xxxxxxxxxxxx/CCAPI/cc\_free\_feature\_vsa:

002176: Oct 4 21:03:14.259: :cc\_free\_feature\_vsa freeing 65F09B30

002177: Oct 4 21:03:14.259: //-1/xxxxxxxxxxxx/CCAPI/cc\_free\_feature\_vsa:

002178: Oct 4 21:03:14.259: vsacount in free is 6

002179: Oct 4 21:03:14.259:  
//283/736483928021/CCAPI/cc\_api\_call\_disconnect\_done:

```
Disposition=0, Interface=0x65A8CAD4, Tag=0x0, Call Id=283,
Call Entry(Disconnect Cause=0, Voice Class Cause Code=0, Retry Count=0)
002180: Oct 4 21:03:14.259:
    //283/736483928021/CCAPI/cc_api_call_disconnect_done:
Call Disconnect Event Sent
002181: Oct 4 21:03:14.259: //-1/xxxxxxxxxxxx/CCAPI/cc_free_feature_vsa:

002182: Oct 4 21:03:14.259: :cc_free_feature_vsa freeing 65F09980
002183: Oct 4 21:03:14.259: //-1/xxxxxxxxxxxx/CCAPI/cc_free_feature_vsa:

002184: Oct 4 21:03:14.259: vsacount in free is 5
002185: Oct 4 21:03:14.263:
    //284/736483928021/CCAPI/cc_api_call_disconnect_done:
Disposition=0, Interface=0x65A8CAD4, Tag=0x0, Call Id=284,
Call Entry(Disconnect Cause=0, Voice Class Cause Code=0, Retry Count=0)
002186: Oct 4 21:03:14.263:
    //284/736483928021/CCAPI/cc_api_call_disconnect_done:
Call Disconnect Event Sent
002187: Oct 4 21:03:14.263: //-1/xxxxxxxxxxxx/CCAPI/cc_free_feature_vsa:

002188: Oct 4 21:03:14.263: :cc_free_feature_vsa freeing 65F098A8
002189: Oct 4 21:03:14.263: //-1/xxxxxxxxxxxx/CCAPI/cc_free_feature_vsa:

002190: Oct 4 21:03:14.263: vsacount in free is 4
002191: Oct 4 21:03:14.263:
    //285/736483928021/CCAPI/cc_api_call_disconnect_done:
Disposition=0, Interface=0x65A8CAD4, Tag=0x0, Call Id=285,
Call Entry(Disconnect Cause=0, Voice Class Cause Code=0, Retry Count=0)
002192: Oct 4 21:03:14.263:
    //285/736483928021/CCAPI/cc_api_call_disconnect_done:
Call Disconnect Event Sent
002193: Oct 4 21:03:14.263: //-1/xxxxxxxxxxxx/CCAPI/cc_free_feature_vsa:

002194: Oct 4 21:03:14.263: :cc_free_feature_vsa freeing 65F097D0
002195: Oct 4 21:03:14.263: //-1/xxxxxxxxxxxx/CCAPI/cc_free_feature_vsa:

002196: Oct 4 21:03:14.263: vsacount in free is 3
002197: Oct 4 21:03:14.263: H225 NONSTD OUTGOING PDU ::=
```

```
value H323_UU_NonStdInfo ::=
{
version 2
protoParam qsigNonStdInfo :
{
iei 8
rawMesg '0802829F1C269E8100036774640000001B52454C...'H
}
}
```

```
002198: Oct 4 21:03:14.263: H225 NONSTD OUTGOING ENCODE BUFFER::=
6001020001082C0802829F1C269E8100036774640000001B52454C2C0D0A5052A
E2C6973646E2A2C2C4E492A2A2A2C0D0A0D0A
```

```
002199: Oct 4 21:03:14.263:
```

## [El gateway H.320 borra la llamada en la pierna IP](#)

```
002200: Oct 4 21:03:14.267: H225.0 OUTGOING PDU ::=
```

```
value H323_UserInformation ::=
{
h323-uu-pdu
{
h323-message-body releaseComplete :
```

```
{
protocolIdentifier { 0 0 8 2250 0 4 }
callIdentifier
{
guid '73651FB9532211DB817D90162806D3F1'H
}
}
h245Tunneling FALSE
nonStandardControl
{
{
nonStandardIdentifier h221NonStandard :
{
t35CountryCode 181
t35Extension 0
manufacturerCode 18
}
data '6001020001082C0802829F1C269E810003677464...'H
}
}
tunnelledSignallingMessage
{
tunnelledProtocolID
{
id tunnelledProtocolAlternateID :
{
protocolType "gtd"
}
}
messageContent
{
'52454C2C0D0A50524E2C6973646E2A2C2C4E492A...'H
}
}
tunnellingRequired NULL
}
}
}
```

```
002201: Oct 4 21:03:14.271: H225.0 OUTGOING ENCODE BUFFER ::=
2580060008914A00041100110073651FB9532211DB817D90162806D3
F110A801003A0140B5000012336001020001082C0802829F1C269E81
00036774640000001B52454C2C0D0A50524E2C6973646E2A2C2C4E49
2A2A2A2C0D0A0D0A224204677464011B52454C2C0D0A50524E2C6973
646E2A2C2C4E492A2A2A2C0D0A0D0A
```

```
002202: Oct 4 21:03:14.271:
Q931 Message IE Decodes
Protocol Discriminator : 0x08
CRV Length : 2
CRV Value : 0x001C
Message Type : 0x5A: RELEASE_COMP
Cause: Length Of IE=2
Data 829F
User-User: Length Of IE=128
```

```
Data 052580060008914A00041100110073651FB9532211DB817D90162806D3
F110A801003A0140B5000012336001020001082C0802829F1C269E8100
036774640000001B52454C2C0D0A50524E2C6973646E2A2C2C4E492A2A
2A2C0D0A0D0A224204677464011B52454C2C0D0A50524E2C6973646E2A
2C2C4E492A2A2A2C0D0A0D0A
```

```
002203: Oct 4 21:03:14.271: H225 NONSTD OUTGOING PDU ::=
```

```
value RasnonStdUsageInformation ::=
{
rasMessageSpecificData drqRasnonStdUsageData :
```

```
{
callReleaseSource callingPartyInPstn : NULL
}
}
```

002204: Oct 4 21:03:14.271: H225 NONSTD OUTGOING ENCODE BUFFER::= 4800

002205: Oct 4 21:03:14.271:

002206: Oct 4 21:03:14.271: H225 NONSTD OUTGOING PDU ::=

value DRQnonStandardInfo ::=

```
{
gtd '52454C2C0D0A50524E2C6973646E2A2C2C4E492A...'H
}
```

002207: Oct 4 21:03:14.271: H225 NONSTD OUTGOING ENCODE BUFFER::=

40001A52454C2C0D0A50524E2C6973646E2A2C2C4E492A2A2A2C0D0A0D0A

002208: Oct 4 21:03:14.271:

### [El gateway H.320 envía el DRQ al portero](#)

002209: Oct 4 21:03:14.271: RAS OUTGOING PDU ::=

value RasMessage ::= disengageRequest :

```
{
requestSeqNum 2053
endpointIdentifier {"65766C6C00000001"}
conferenceID '73648392532211DB8021000D28D3D7C0'H
callReferenceValue 28
disengageReason normalDrop : NULL
nonStandardData
{
nonStandardIdentifier h221NonStandard :
{
t35CountryCode 181
t35Extension 0
manufacturerCode 18
}
data '40001A52454C2C0D0A50524E2C6973646E2A2C2C...'H
}
callIdentifier
{
guid '73651FB9532211DB817D90162806D3F1'H
}
answeredCall FALSE
usageInformation
{
nonStandardUsageFields
{

{
nonStandardIdentifier h221NonStandard :
{
t35CountryCode 181
t35Extension 0
manufacturerCode 18
}
data '4800'H
}
}
connectTime 1159995736
endTime 1159995793
}
terminationCause releaseCompleteCauseIE : '0802809F'H
```

```
}
002210: Oct 4 21:03:14.275: RAS OUTGOING ENCODE BUFFER::=
    3F08041E003600350037003600360043003600430030003000300030003000
    300030003173648392532211DB8021000D28D3D7C0001C28B50000121E4000
    1A52454C2C0D0A50524E2C6973646E2A2C2C4E492A2A2A2C0D0A0D0A1908C0
    110073651FB9532211DB817D90162806D3F1010014300140B5000012024800
    C045242157C04524219005440802809F
002211: Oct 4 21:03:14.279: h323chan_dgram_send:Sent UDP msg.
    Bytes sent: 140 to 14.50.3.101:1719 fd=2
002212: Oct 4 21:03:14.279: RASLib::GW_RASSendDRQ: DRQ (seq# 2053)
    sent to 14.50.3.101
002213: Oct 4 21:03:14.279: h323chan_chn_process_read_socket
002214: Oct 4 21:03:14.279: h323chan_chn_process_read_socket:
    fd=2 of type CONNECTED has data
002215: Oct 4 21:03:14.279: h323chan_chn_process_read_socket:
    h323chan accepted/connected fd=2
002216: Oct 4 21:03:14.279: h323chan_dgram_recvdata:rcvd
    from [14.50.3.101:1719] on fd=2
002217: Oct 4 21:03:14.279: RAS INCOMING ENCODE BUFFER::= 400804
002218: Oct 4 21:03:14.279:
002219: Oct 4 21:03:14.279: RAS INCOMING PDU ::=
value RasMessage ::= disengageConfirm :
{
requestSeqNum 2053
}
002220: Oct 4 21:03:14.283: DCF (seq# 2053) rcvd
002221: Oct 4 21:03:14.283:
    //286/736483928021/CCAPI/cc_api_call_disconnect_done:
Disposition=0, Interface=0x65A8CAD4, Tag=0x0, Call Id=286,
Call Entry(Disconnect Cause=0, Voice Class Cause Code=0, Retry Count=0)
002222: Oct 4 21:03:14.283:
    //286/736483928021/CCAPI/cc_api_call_disconnect_done:
Call Disconnect Event Sent
002223: Oct 4 21:03:14.287: //-1/xxxxxxxxxxxx/CCAPI/cc_free_feature_vsa:
002224: Oct 4 21:03:14.287: :cc_free_feature_vsa freeing 65F096F8
002225: Oct 4 21:03:14.287: //-1/xxxxxxxxxxxx/CCAPI/cc_free_feature_vsa:
002226: Oct 4 21:03:14.287: vsacount in free is 2
002227: Oct 4 21:03:14.287:
    //280/736483928021/H221():h221_free_context_saved_map:
002228: Oct 4 21:03:14.287:
    //280/736483928021/CCAPI/cc_api_call_disconnect_done:
Disposition=0, Interface=0x65A8CAD4, Tag=0x0, Call Id=280,
Call Entry(Disconnect Cause=31, Voice Class Cause Code=0, Retry Count=0)
002229: Oct 4 21:03:14.287:
    //280/736483928021/CCAPI/cc_api_call_disconnect_done:
Call Disconnect Event Sent
002230: Oct 4 21:03:14.291: //-1/xxxxxxxxxxxx/CCAPI/cc_free_feature_vsa:
002231: Oct 4 21:03:14.291: :cc_free_feature_vsa freeing 65F09620
002232: Oct 4 21:03:14.291: //-1/xxxxxxxxxxxx/CCAPI/cc_free_feature_vsa:
002233: Oct 4 21:03:14.291: vsacount in free is 1
002234: Oct 4 21:03:14.307: h323chan_chn_process_read_socket
002235: Oct 4 21:03:14.307: h323chan_chn_process_read_socket:
    fd=4 of type CONNECTED has data
002236: Oct 4 21:03:14.307: h323chan_chn_process_read_socket:
```

```
h323chan accepted/connected fd=4

002237: Oct 4 21:03:14.307: h245_decode_one_pdu: more_pdus = 0,
    bytesLeftToDecode = 2
002238: Oct 4 21:03:14.307: H245 MSC INCOMING ENCODE BUFFER ::= 4A40
002239: Oct 4 21:03:14.307:
002240: Oct 4 21:03:14.307: H245 MSC INCOMING PDU ::=

value MultimediaSystemControlMessage ::= command : endSessionCommand :
    disconnect : NULL

002241: Oct 4 21:03:14.307: h245_decode_one_pdu: H245ASNDecodePdu rc = 0,
    bytesLeftToDecode = 0
002242: Oct 4 21:03:14.307: h245_decode_one_pdu:
    Read Pkt body: more_pdus:0 rc:0 asn_rc:0
002243: Oct 4 21:03:14.307: H245 MSC OUTGOING PDU ::=

value MultimediaSystemControlMessage ::= command : endSessionCommand :
    disconnect : NULL

002244: Oct 4 21:03:14.307: H245 MSC OUTGOING ENCODE BUFFER ::= 4A40
002245: Oct 4 21:03:14.307:
002246: Oct 4 21:03:14.319: h323chan_chn_process_read_socket
002247: Oct 4 21:03:14.319: h323chan_chn_process_read_socket: fd=4 of
    type CONNECTED has data
002248: Oct 4 21:03:14.319: h323chan_chn_process_read_socket:
    h323chan accepted/connected fd=4

002249: Oct 4 21:03:14.319: h323chan_chn_process_read_socket
002250: Oct 4 21:03:14.319: h323chan_chn_process_read_socket:
    fd=3 of type CONNECTED has data
002251: Oct 4 21:03:14.319: h323chan_chn_process_read_socket:
    h323chan accepted/connected fd=3

002252: Oct 4 21:03:14.319:
    //281/736483928021/CCAPI/cc_api_call_disconnect_done:
Disposition=0, Interface=0x65D7A87C, Tag=0x0, Call Id=281,
Call Entry(Disconnect Cause=31, Voice Class Cause Code=0, Retry Count=0)
002253: Oct 4 21:03:14.319:
    //281/736483928021/CCAPI/cc_api_call_disconnect_done:
Call Disconnect Event Sent
```

## [Información Relacionada](#)

- [Troubleshooting de Cisco IP Telephony](#)
- [Configuración básica del Gateway a Gatekeeper de Cisco de dos zonas](#)
- [Control de aceptación de llamadas para Gateways H.323 VoIP](#)
- [VoIP con Gatekeeper](#)
- [Soporte Técnico y Documentación - Cisco Systems](#)