

# Flujo de llamadas de vídeo de gateway H.320 a 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.

H.320 consta de estos protocolos:

- H.221: define la estructura de tramas para los teleservicios audiovisuales a través de 1 o más canales B ISDN.
- H.230: define las señales de control e información utilizadas en un sistema audiovisual.
- H.242: define los procedimientos de señalización, como la inicialización de modo, el intercambio de capacidades y el switching de modo necesarios para establecer una llamada multimedia.

Cada videollamada H.320 consta de una llamada principal y cero o más llamadas secundarias. Por ejemplo, una videollamada de 128K consta de 1 llamada principal y 1 llamada secundaria.

## [Prerequisites](#)

## Requirements

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.

- Puerta de enlace H.320: Cisco 3725 con NM-HDV2 (5510 DSP)
- Gatekeeper H.323: Cisco 3660
- Terminal de vídeo H.323: Polycom V500
- Ancho de banda = 384 000

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

## Convenciones

Consulte las [Convenciones de Consejos Técnicos de Cisco](#) para obtener información sobre las convenciones de los documentos.

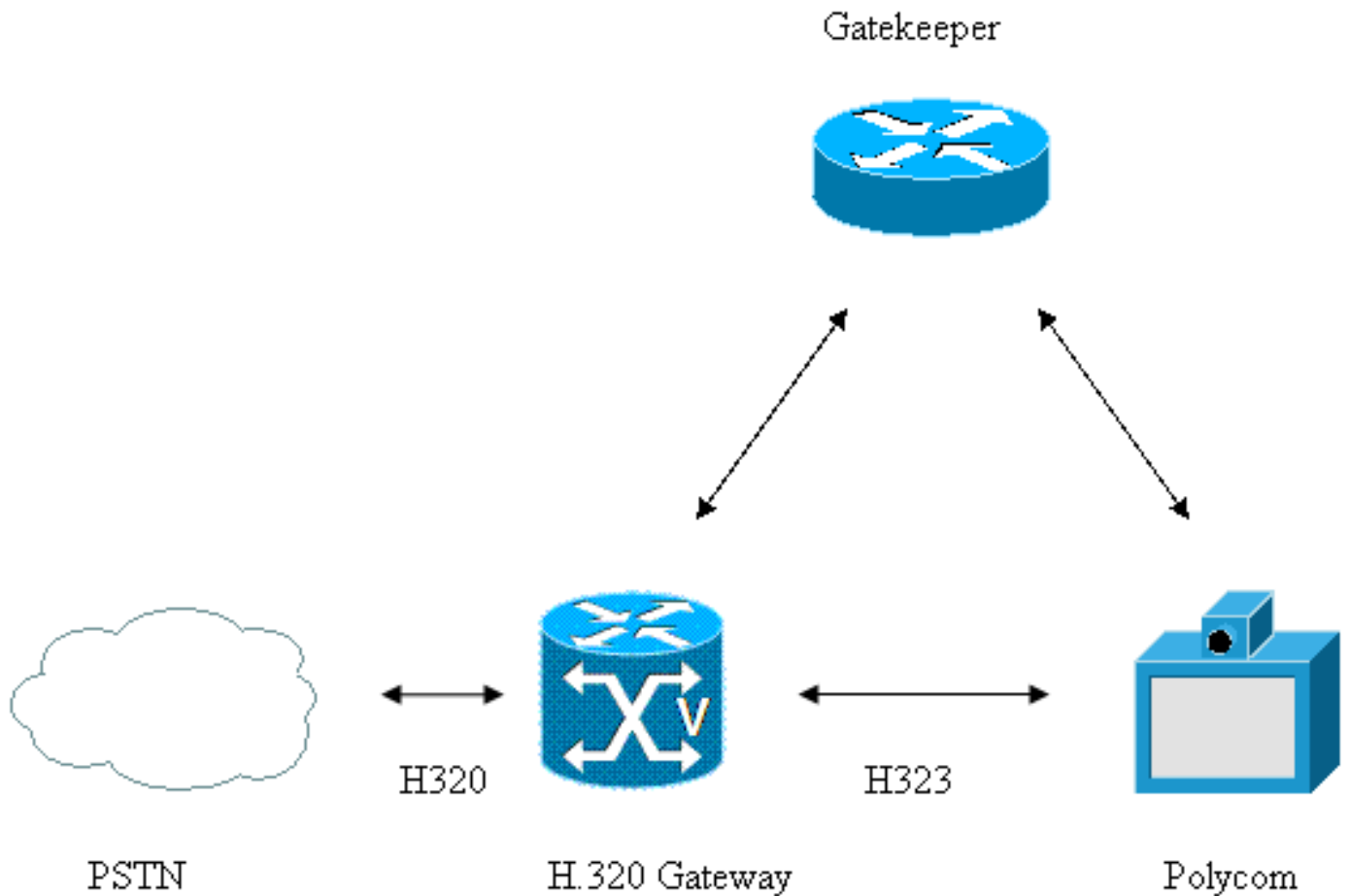
## Configurar

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

Nota: Use el [Command Lookup Tool](#) (únicamente clientes registrados) para obtener más información sobre los comandos que se utilizan 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 marcación:

- Terminal de vídeo en PSTN: 919-392-6000H.320 Número al que se llama principal: 919-392-6000Números de llamada secundaria H.320: 919-392-6001 a 919-392-6005
- Polycom: 919-991-5600H.320 Número al que se llama principal: 919-991-5600Números de llamada secundaria H.320: 919-991-5601 a 919-991-5605

## Configuración

Este documento usa esta configuración:

### Nombre de configuración 1 de la puerta de enlace 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 videollamada descrita en este documento utiliza un ancho de banda de 384K.

Consumo de ancho de banda de la videollamada:

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

## Ejemplo de Flujo de Llamada

En esta sección se describe el flujo de llamada que resulta de este ejemplo de configuración.

1. Una llamada ISDN de la PSTN llega a la gateway H.320 con 919-991-5600, ya que el número llamado, la capacidad portadora (capacidad portadora) se establece en *Unrestricted Digital* a través del canal B=1.
2. La gateway H.320 realiza una búsqueda de dial-peer entrante. Dado que el tope portador está configurado en digital sin restricciones, primero busca el dial peer H.320 POTS (dial peers configurados con el tipo de información establecido en *video*) y coincide con el dial peer 9190. La primera llamada se denomina llamada principal.
3. El gateway H.320 realiza una búsqueda de dial-peer saliente y enruta la llamada a través del dial peer 9910.
4. El gateway H.320 envía una solicitud de admisión (ARQ) al gatekeeper y recibe un mensaje de confirmación de admisión (ACF).
5. La gateway H.320 envía un mensaje de CONFIGURACIÓN H.225 a Polycom.
6. La gateway H.320 recibe un mensaje de CONEXIÓN H.225 de Polycom y la videollamada se conecta en el tramo IP.
7. La gateway H.320 envía un mensaje ISDN CONNECT al PSTN y la llamada principal se conecta
8. La gateway H.320 envía capacidades iniciales H.221 a través del tramo POTS.
9. La sincronización de tramas H.221 se establece a través del canal B = 1 (también conocido como canal inicial o llamada principal).

10. Después de establecer la sincronización de tramas, Polycom inicia 5 llamadas secundarias una tras otra. La sincronización de tramas se establece a través de los canales B 2 a 6 (también conocidos como canales adicionales o llamadas secundarias).
11. La gateway H.320 asocia las llamadas secundarias entrantes del rango de 919-991-5601 a 919-991-5605 con la llamada principal (Paso 2) con el comando **voice-class called-number inbound 1**, que se define como se muestra en la configuración.
12. El gateway H.320 y Polycom intercambian capacidades de audio y vídeo y canales lógicos abiertos (OLC) para transmisiones de audio y vídeo a través del tramo IP y del tramo POTS.

## Planificación de capacidad

Antes de colocar el tráfico de vídeo en una red, asegúrese de que exista un ancho de banda adecuado para todas las aplicaciones necesarias. En primer lugar, calcule los requisitos mínimos de ancho de banda para cada aplicación principal (por ejemplo, voz, vídeo y datos). La suma representa el requisito de ancho de banda mínimo para cualquier link específico. Esta cantidad no debe consumir más del 75% del ancho de banda total disponible en ese link. Esta regla del 75% supone que se necesita cierto ancho de banda para el tráfico de sobrecarga. Entre los ejemplos de tráfico general se incluyen las actualizaciones de protocolo de ruteo y keepalives de capa 2, así como aplicaciones adicionales, como el tráfico de correo electrónico y HTTP. El tráfico de voz y vídeo no ocupa más del 33% de la capacidad de enlace

### H.323 Video

Según el estándar H.323, las capacidades de vídeo en los terminales H.323 son opcionales. Sin embargo, cuando implementa los terminales H.323, los terminales deben soportar el códec H.261, con soporte opcional para el estándar H.263.

- H.261: códec de vídeo para servicios audiovisuales a múltiplos de 64 kbps. Los dispositivos compatibles con H.261 codifican completamente las tramas iniciales. Los dispositivos luego codifican solamente las diferencias entre las tramas inicial y subsiguientes para las transmisiones mínimas de paquetes. La compensación de movimiento opcional mejora la calidad de la imagen.
- H.263: códec de vídeo para el servicio telefónico antiguo (POTS) de vídeo sencillo. El estándar H.263 es una actualización compatible con versiones anteriores del estándar H.261. H.263 mejora significativamente la calidad de la imagen con una técnica de estimación de movimiento de medio píxel, 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.

- **show voice call summary**

```
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
```

- **show call active video brief** En este resultado, los contadores Rx/Tx para una llamada de vídeo se informan sólo para la llamada principal y no se informan 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

• **show call active videoLEG POTS: llamada principal**

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

**LEG 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

**IP LEG**

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
```

- **show voip rtp connections**

```
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
```

## [Troubleshoot](#)

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

## [Comandos de Debug](#)

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

**Nota:** Consulte [Información Importante sobre Comandos Debug](#) antes de utilizar los comandos debug.

## [‘Resultados de la depuración’](#)

Esta sección proporciona resultados de depuración para este flujo de llamada de ejemplo:

1. [Configuración entrante con número llamado = 9199915600 y capacidad portadora establecida en digital sin restricciones](#)
2. [El par de marcado entrante 9190 coincide](#)
3. [El par de marcado saliente 9910 coincide](#)
4. [La puerta de enlace H.320 envía una solicitud ARQ al control de acceso](#)
5. [La gateway H.320 recibe la respuesta ACF de Gatekeeper](#)
6. [La puerta de enlace H.320 envía un mensaje de configuración H.225 a Polycom](#)
7. [La llamada se conecta en el indicador IP](#)
8. [La gateway H.320 envía CONNECT en el lado ISDN y la llamada se conecta](#)
9. [La puerta de enlace H.320 envía el conjunto de funciones inicial](#)
10. [La sincronización de tramas se establece a través del canal B 1](#)
11. [La gateway H.320 recibe la primera llamada secundaria](#)
12. [Primera llamada secundaria que se conecta](#)
13. [La sincronización de tramas se establece a través del canal B 2](#)
14. [La puerta de enlace H.320 recibe la segunda llamada secundaria](#)
15. [Segunda llamada secundaria que se conecta](#)
16. [La gateway H.320 recibe el comando BAS desde el terminal de vídeo en la PSTN](#)
17. [La sincronización de tramas se establece a través del canal B 3](#)
18. [La gateway H.320 recibe la tercera llamada secundaria](#)
19. [Tercera llamada secundaria que se conecta](#)
20. [La sincronización de tramas se establece a través del canal B 4](#)
21. [La puerta de enlace H.320 recibe la cuarta llamada secundaria](#)
22. [Cuarta llamada secundaria que se conecta](#)
23. [La sincronización de tramas se establece a través del canal B 4](#)
24. [La puerta de enlace H.320 recibe la quinta llamada secundaria](#)
25. [La quinta llamada secundaria se conecta](#)
26. [La sincronización de tramas se establece a través del canal B 6](#)
27. [La puerta de enlace H.320 recibe el conjunto de capacidades desde el terminal de vídeo en la PSTN](#)
28. [La puerta de enlace H.320 envía la capacidad configurada al terminal de vídeo en la PSTN](#)
29. [La puerta de enlace H.320 anuncia las funciones de audio \(G711ulaw\) y vídeo \(H.263\) a través de TCS al Polycom a través de la plataforma IP](#)
30. [La puerta de enlace H.320 envía la solicitud MSD a Polycom](#)
31. [La puerta de enlace H.320 recibe el conjunto de funciones de audio de Polycom \(G.722, G.728, G.711\) y vídeo \(H.263\)](#)
32. [La puerta de enlace H.320 envía TCS ACK a Polycom](#)
33. [La puerta de enlace H.320 recibe la solicitud MSD de Polycom](#)
34. [La puerta de enlace H.320 envía MSD ACK a Polycom](#)
35. [La puerta de enlace H.320 recibe TCS ACK de Polycom](#)
36. [La gateway H.320 recibe ACK MSD de Polycom](#)
37. [La puerta de enlace H.320 recibe audio OLC \(G.711\) de Polycom](#)
38. [La puerta de enlace H.320 establece el modo de audio saliente a través de la pestaña POTS](#)
39. [La puerta de enlace H.320 envía Audio OLC ACK a Polycom](#)
40. [La puerta de enlace H.320 recibe OLC de vídeo \(H.263\) de Polycom](#)
41. [El tipo de carga útil RTP para el flujo de vídeo H.263 de Polycom a la gateway H.320 se establece en 96](#)
42. [La puerta de enlace H.320 establece el modo de vídeo saliente a través de la pestaña](#)

## POTS

43. [La puerta de enlace H.320 envía una ACK de OLC de vídeo a Polycom](#)
44. [La puerta de enlace H.320 envía señales de audio que indican el control activo y la señal de información al terminal de vídeo remoto en la PSTN](#)
45. [El terminal de vídeo de PSTN establece la velocidad de transferencia y el modo de audio](#)
46. [La puerta de enlace H.320 envía OLC de audio \(G.711\) a Polycom](#)
47. [La gateway H.320 recibe ACK OLC de audio de Polycom](#)
48. [El terminal de vídeo de PSTN establece el modo de vídeo](#)
49. [La gateway H.320 recibe señal de audio que indica control activo y señal de información desde el terminal de vídeo remoto en la PSTN](#)
50. [La puerta de enlace H.320 envía el OLC de vídeo \(H.263\) a Polycom](#)
51. [El tipo de carga útil RTP para el flujo de vídeo H.263 de la puerta de enlace H.320 a Polycom se establece en 110](#)
52. [La puerta de enlace H.320 recibe una ACK de OLC de vídeo de Polycom](#)
53. [La puerta de enlace H.320 recibe una solicitud de imagen de Video Fast Update \(VFU\) de Polycom](#)
54. [La puerta de enlace H.320 envía el control de imágenes y la señal de información de Video Fast Update al terminal de vídeo en PSTN](#)
55. [La gateway H.320 recibe el comando Flow Control de Polycom](#)
56. [La puerta de enlace H.320 envía el comando Flow Control al terminal de vídeo en la PSTN](#)
57. [La puerta de enlace H.320 envía el comando de control de flujo a Polycom](#)
58. [La gateway H.320 recibe el comando de control de flujo desde el terminal de vídeo en la PSTN](#)
59. [La puerta de enlace H.320 envía el comando de control de flujo a Polycom](#)
60. [Terminal de vídeo en PSTN que desconecta la videollamada](#)
61. [La puerta de enlace H.320 borra la llamada en la plataforma IP](#)
62. [La puerta de enlace H.320 envía DRQ al control de acceso](#)

## Configuración entrante con número llamado = 9199915600 y capacidad portadora establecida en digital sin restricciones

Esta es la llamada principal 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
```

### [El par de marcado entrante 9190 coincide](#)

```
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
```

## [El par de marcado saliente 9910 coincide](#)

```
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
```

## [La puerta de enlace H.320 envía una solicitud ARQ al control de acceso](#)

```
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
43492C2C2C2C2C2C792C0D0A4743492C3733363438333932353332323131646
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
}
```





```
{
nonStandardIdentifier h221NonStandard :
{
t35CountryCode 181
t35Extension 0
manufacturerCode 18
}
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  
}  
interpretationApu discardAnyUnrecognizedInvokePdu : NULL  
serviceApu rosApu :  
{  
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:

[La puerta de enlace H.320 envía un mensaje de configuración H.225 a 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 se conecta en el indicador 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)
```

### [La gateway H.320 envía CONNECT en el lado ISDN y la llamada se conecta](#)

Esta es la llamada principal.

```
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
```

### [La puerta de enlace H.320 envía el conjunto de funciones inicial](#)

```
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
```

### [La 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

### [Primera llamada secundaria que se conecta](#)

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

### [La puerta de enlace 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
```

## Segunda llamada secundaria que se conecta

```
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
```

### [La gateway H.320 recibe el comando BAS desde el terminal de vídeo en la PSTN](#)

El gateway H.320 recibe el comando BAS del terminal de vídeo en la PSTN, lo que indica que puede aceptar 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_squelch:
H221 Squelch Map=0x0
001462: Oct 4 21:02:17.536: //280/736483928021/H221:():
    dsmp_h221_check_for_bas_squelch:
H221 Squelch Map=0x0
```

### [La sincronización de tramas se establece a través del canal B 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
```

### [La 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
```

### [Tercera llamada secundaria que se conecta](#)

```
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
```

### [La puerta de enlace 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

### Cuarta llamada secundaria que se conecta

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\_commm:  
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\_commm:  
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\_sqelch:  
H221 Squelch Map=0x0  
001516: Oct 4 21:02:18.036: //280/736483928021/H221():  
dsmp\_h221\_check\_for\_bas\_sqelch:  
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
```

### [La puerta de enlace 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 se conecta](#)

```
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
```

## [La puerta de enlace H.320 recibe el conjunto de capacidades desde el terminal de vídeo en la PSTN](#)

El conjunto de funciones especifica el intervalo de imagen mínimo (MPI), la relación de aspecto, el códec de audio, el códec de vídeo y el número de canales b compatibles con el terminal de vídeo.

```
001555: Oct 4 21:02:19.036: //280/736483928021/H221():
    h221_incoming_ns_cap_commm:
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_commm:
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 Squelch Map=0x0  
001568: Oct 4 21:02:19.036: //280/736483928021/H221():  
dsmp\_h221\_check\_for\_bas\_sqelch:  
H221 Squelch Map=0x0

## [La puerta de enlace H.320 envía la capacidad configurada al terminal de vídeo en la 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
```

## [La puerta de enlace H.320 anuncia las funciones de audio \(G711ulaw\) y vídeo \(H.263\) a través de TCS al Polycom a través de la plataforma 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
    }
    pixelAspectInformation pixelAspectCode :
    {
      3
    }
  },
  {
    maxCustomPictureWidth 88
    maxCustomPictureHeight 60
    minCustomPictureWidth 88
    minCustomPictureHeight 60
    mPI
    {
      standardMPI 1
    }
    pixelAspectInformation pixelAspectCode :
    {
      3
    }
  }
}
capabilityDescriptors
{
  {
    capabilityDescriptorNumber 1
    simultaneousCapabilities
    {
    {
```

```
3
},
{
39
},
{
34
}
}
}
}
}
```

```
001578: Oct 4 21:02:19.060: H245 MSC OUTGOING ENCODE BUFFER ::=
    0270010600088175000780198000140001000001000001000402040008097C0
    66001000100028000218A061404302D313680000220C01380002609FC00000A
    0BC820705001001B080000104000AF007700AF00774120400057003B0057003
    B40204000800102000002000026000021
001579: Oct 4 21:02:19.060:
```

### [La puerta de enlace H.320 envía la solicitud MSD a Polycom](#)

```
001580: Oct 4 21:02:19.064: H245 MSC OUTGOING PDU ::=
```

```
value MultimediaSystemControlMessage ::= request : masterSlaveDetermination :
{
terminalType 60
statusDeterminationNumber 4223
}
```

```
001581: Oct 4 21:02:19.064: H245 MSC OUTGOING ENCODE BUFFER ::= 01003C40107F
```

```
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:

[La puerta de enlace H.320 recibe el conjunto de funciones de audio de Polycom \(G.722, G.728, G.711\) y vídeo \(H.263\)](#)

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
}
}
}
}
```

```

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

```

### [La puerta de enlace H.320 envía TCS ACK a 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:

```

### [La puerta de enlace H.320 recibe la solicitud MSD de 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

### [La puerta de enlace H.320 envía MSD ACK a 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:

### [La puerta de enlace H.320 recibe TCS ACK de 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 ::=
```

### [La gateway H.320 recibe ACK MSD de 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:
```

### [La puerta de enlace H.320 recibe audio OLC \(G.711\) de Polycom](#)

La dirección IP 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
```

## [La puerta de enlace H.320 establece el modo de audio saliente a través de la pestaña 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
```

## [La puerta de enlace H.320 envía Audio OLC ACK a Polycom](#)

La dirección IP RTP y RTCP del gateway H.320: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:
```

## [La puerta de enlace H.320 recibe OLC de vídeo \(H.263\) de Polycom](#)

La dirección IP RTCP de Polycom: el puerto para la secuencia de vídeo es 14.50.5.52:49197.

## [El tipo de carga útil RTP para el flujo de vídeo H.263 de Polycom a la gateway H.320 se establece en 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

```

[La puerta de enlace H.320 establece el modo de vídeo saliente a través de la pestaña 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

```

### [La puerta de enlace H.320 envía una ACK de OLC de vídeo a Polycom](#)

El RTP de la gateway H.320 y la dirección IP RTCP:puerto para la secuencia de vídeo son 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:

```

## [La puerta de enlace H.320 envía señales de audio que indican el control activo y la señal de información al terminal de vídeo remoto en la PSTN](#)

La gateway H.320 envía señal de audio para indicar control activo y señal de información al terminal de vídeo remoto en la 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 terminal de vídeo de PSTN establece la velocidad de transferencia y el 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
```

## [La puerta de enlace H.320 envía OLC de audio \(G.711\) a Polycom](#)

La dirección IP RTCP del gateway H.320: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:

```

## [La gateway H.320 recibe ACK OLC de audio de Polycom](#)

La dirección IP RTP y RTCP de Polycom: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 terminal de vídeo de PSTN establece el modo de vídeo](#)

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
```

### [La gateway H.320 recibe señal de audio que indica control activo y señal de información desde el terminal de vídeo remoto en la PSTN](#)

La gateway H.320 recibe la señal de audio para indicar control activo y la señal de información del terminal de vídeo remoto en la 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_squelch:
H221 Squelch Map=0x0
001878: Oct 4 21:02:25.036: //280/736483928021/H221():
    dsmp_h221_check_for_bas_squelch:
H221 Squelch 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
```

### [La puerta de enlace H.320 envía el OLC de vídeo \(H.263\) a Polycom](#)

La dirección IP RTCP de la puerta de enlace H.320: el puerto para la secuencia de vídeo es 14.1.16.220:18079.

### [El tipo de carga útil RTP para el flujo de vídeo H.263 de la puerta de enlace H.320 a Polycom se establece en 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:

```

[La puerta de enlace H.320 recibe una ACK de OLC de vídeo de Polycom](#)

La dirección IP RTP y RTCP de Polycom:puerto para transmisión de vídeo 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:
```

### [La puerta de enlace H.320 recibe una solicitud de imagen de Video Fast Update \(VFU\) de Polycom](#)

En este resultado, el gateway H.320 recibe una solicitud de imagen VFU de Polycom, que indica que está listo para recibir la secuencia de vídeo.

```
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:
```

### [La puerta de enlace H.320 envía el control de imágenes y la señal de información de Video Fast Update al terminal de vídeo en 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:

### [La gateway H.320 recibe el comando Flow Control de 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:

### [La puerta de enlace H.320 envía el comando Flow Control al terminal de vídeo en la 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*

### [La puerta de enlace H.320 envía el comando de control de flujo a Polycom](#)

### [La gateway H.320 recibe el comando Flow Control desde el terminal de vídeo en la 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 Squelch Map=0x1

002010: Oct 4 21:02:26.536: //280/736483928021/H221():  
dsmtp\_h221\_check\_for\_bas\_squelch:  
H221 Squelch 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

### [La puerta de enlace H.320 envía el comando de control de flujo a 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*

### [Terminal de vídeo en PSTN que desconecta la videollamada](#)

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: vsaccount 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: vsaccount 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: vsaccount 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: vsaccount 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 ::=
    6001020001082C0802829F1C269E8100036774640000001B52454C2C0D0A50524
E2C6973646E2A2C2C4E492A2A2A2C0D0A0D0A
002199: Oct 4 21:03:14.263:
```

## [La puerta de enlace H.320 borra la llamada en la plataforma 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:

### [La puerta de enlace H.320 envía DRQ al control de acceso](#)

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 de dos zonas Cisco Gateway to Gatekeeper](#)
- [Control de admisión de llamadas para gateways VoIP H.323](#)
- [VoIP con Gatekeeper](#)
- [Soporte Técnico y Documentación - Cisco Systems](#)