



Cisco Unified Communications Manager SIP Line Messaging Guide (Standard)

This document applies to Cisco Unified Communications Manager Release 6.0(1).

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Preface

This document describes the implementation of the Session Initiation Protocol (SIP) for line side devices in Cisco Unified Communications Manager.

The preface covers these topics:

- [Audience](#)
- [Organization](#)
- [Conventions](#)
- [Obtaining Documentation, Obtaining Support, and Security Guidelines](#)

Audience

This document provides information for developers, vendors, and customers who are developing applications or products that integrate with Cisco Unified Communications Manager using SIP messaging.

Organization

This document consists of the following two chapters.

Chapter	Description
Chapter 1, "SIP Standard Line Interface"	Provides an overview of SIP line messages and standards compliance.
Chapter 2, "SIP Basic Line Call Flows"	Comprises a listing of all SIP line messages, including sequence charts and examples of call flows.

Conventions

This document uses the following conventions:

Convention	Description
boldface font	Commands and keywords are in boldface .
<i>italic</i> font	Arguments for which you supply values are in <i>italics</i> .
[]	Elements in square brackets are optional.
{ x y z }	Alternative keywords are grouped in braces and separated by vertical bars.
[x y z]	Optional alternative keywords are grouped in brackets and separated by vertical bars.
string	A nonquoted set of characters. Do not use quotation marks around the string or the string will include the quotation marks.
screen font	Terminal sessions and information the system displays are in <code>screen font</code> .
boldface screen font	Information you must enter is in boldface screen font .
<i>italic screen font</i>	Arguments for which you supply values are in <i>italic screen font</i> .
→	This pointer highlights an important line of text in an example.
^	The symbol ^ represents the key labeled Control—for example, the key combination ^D in a screen display means hold down the Control key while you press the D key.
< >	Nonprinting characters, such as passwords are in angle brackets.

Notes use the following conventions:



Note

Means *reader take note*. Notes contain helpful suggestions or references to material not covered in the publication.



Caution

Means *reader be careful*. In this situation, you might do something that could result in equipment damage or loss of data.



Tip

Means *the following information might help you solve a problem*.



Timesaver

Means *the described action saves time*. You can save time by performing the action described in the paragraph.

Obtaining Documentation, Obtaining Support, and Security Guidelines

For information on obtaining documentation, obtaining support, providing documentation feedback, security guidelines, and also recommended aliases and general Cisco documents, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>



CHAPTER 1

SIP Standard Line Interface

This document describes the external interface for Cisco Unified Communications Manager SIP line-side devices. It highlights SIP primitives that are supported on the line-side interface and describes call flow scenarios that can be used as a guide for technical support and future development.

This document describes the Cisco Unified Communications Manager SIP line interface from an external interface point of view. Chapter 2 provides call flow examples for the standard interface.

This chapter includes the following sections:

- [Definitions/Glossary, page 1-2](#)
- [SIP Phones References, page 1-2](#)
- [New and Changed Information, page 1-3](#)
- [Standard Interface Compliance Summary, page 1-3](#)
 - [Proprietary and Nonstandard SIP Headers and Identification Services, page 1-7](#)
 - [Supported Media Types, page 1-10](#)
 - [Supported Event Packages, page 1-11](#)
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 - [Endpoint Returns 302 Redirect, page 1-25](#)
 - [Endpoint Returns 486 Busy, page 1-25](#)

Definitions/Glossary

Acronym/Word	Definition
BLF	Busy Lamp Field
Cseq	Call Sequence Number
CTI	Computer Telephony Integration
DNS	Domain Name Server
DTMF	Dual-Tone Multifrequency
FECC	Far-End Camera Control
FMTP	Format-Specific Parameters
FQDN	Fully Qualified Domain Name
KPML	Key Pad Markup Language
MTP	Media Termination Point
MWI	Message Waiting Indication
OOB	Out Of Band
OOD	Out of Dialog
PRACK	Provisional Response ACKnowledgment
RDNIS	Redirected Dialed Number Information Service
RPID	Remote Party ID
RTT	Retransmission Time
SDP	Session Description Protocol
SIP	Session Initiated Protocol
TLS	Transport Layer Security
UAC	User Agent Client
UAS	User Agent Server
URI	Uniform Resource Identifier
URN	Uniform Resource Name
VM	Voice Mail

SIP Phones References

In this document, references to “SIP Phones” refer specifically to these Cisco Unified IP Phones:

- Cisco Unified IP Phone 7911G
- Cisco Unified IP Phone 7941G and 7941G-GE
- Cisco Unified IP Phone 7961G and 7961G-GE
- Cisco Unified IP Phone 7970G
- Cisco Unified IP Phone 7971G-GE

References to all other Cisco Unified IP Phones that are using SIP line messaging identify the phone by model and protocol; for example, SIP 7960.

New and Changed Information

This release of the Cisco Unified Communications Manager SIP Line Messaging Guide (Standard) introduces no new enhancements or fixes to the SIP line interface.

Standard Interface Compliance Summary

This section provides details about Cisco Unified Communications Manager SIP line interface standards compliance. The [“Standard Feature Scenarios” section on page 1-18](#) provides a feature implementation-oriented view of how the system works relative to the SIP line-side implementation. Refer to [Chapter 2, “SIP Basic Line Call Flows”](#) for detailed call flows.

Refer to the following tables for SIP line interface compliance:

- [Table 1-1](#) identifies the applicable standards and drafts.
- [Table 1-2](#) and [Table 1-3](#) provide SIP line-side compliance for SIP messages.
- [Table 1-4](#) provides SIP line-side compliance for standard SIP headers.

Table 1-1 **Applicable Standards and Drafts - Standard Interface**

Id	Notes
RFC 3261	SIP
RFC 3262	PRACK
RFC 3264	SDP offer/answer
RFC 3311	UPDATE
RFC 3515	REFER
RFC 3842	MWI Package
RFC 3891	Replaces Header
RFC 3892	Referred-by Mechanism
draft-levy-sip-diversion-08.txt	Diversion Header
draft-ietf-sip-privacy-04.txt	Remote-Party-Id Header

Table 1-2 **Compliance to SIP Requests**

SIP Message	Unified CM Supported	Comments
INVITE	Y	The system also supports re-INVITE.
ACK	Y	
OPTIONS	Y	Cisco Unified Communications Manager will respond to it if received. Cisco Unified Communications Manager does not send OPTIONS request.
INFO	Y	INFO method gets used for video support.
BYE	Y	
CANCEL	Y	

Table 1-2 *Compliance to SIP Requests (continued)*

SIP Message	Unified CM Supported	Comments
SUBSCRIBE	N	Refer to Supported Event Packages section.
NOTIFY	Y	Refer to Supported Event Packages section.
REFER	Y	The system supports inbound REFER as it applies to transfer. Cisco Unified Communications Manager line side does not generate outbound REFER for transfer.
REGISTER	Y	
PRACK	Y	You can configure support for PRACK.
UPDATE	Y	Cisco Unified Communications Manager supports receiving and generating UPDATE.
PUBLISH	N	

Table 1-3 *Compliance to SIP Responses*

SIP Message	Unified CM Supported	Comments
1xx Response	Y	
100 Trying	Y	
180 Ringing	Y	
181 Call Forward	N	Cisco Unified Communications Manager ignores this message.
182 Queued	N	Cisco Unified Communications Manager ignores this message.
183 Progress	Y	The system supports early media.
2xx Response	Y	
200 OK	Y	
202 OK	Y	Message applies for REFER
3xx Response	Y	
300-302, 305, 380, 385	Y	This message does not generate. The system contacts the new address in the Contact header upon receiving.
4xx Response	Y	Upon receiving, the system initiates a graceful call disconnect.
401	Y	Cisco Unified Communications Manager SIP sends out message 401 (Unauthorized) if authentication and authorization are enabled. Cisco Unified Communications Manager SIP also responds to inbound 401 challenges.
403	Y	Cisco Unified Communications Manager SIP sends out message 403 (Forbidden) if a SIP method is not on the Access Control List. 403 can also get returned if the system does not support a method in a particular state.

Table 1-3 *Compliance to SIP Responses (continued)*

SIP Message	Unified CM Supported	Comments
407	Y	Cisco Unified Communications Manager SIP responds to inbound 407 (Proxy Authentication Required) challenges.
5xx Response	Y	Upon receiving this message, the system sends a new request if an additional address is present. Otherwise, the system initiates a graceful disconnect.
6xx Response	Y	This message does not get generated. Upon receiving this message, the system initiates a graceful disconnect.

Table 1-4 *Standard SIP Header Fields*

SIP Headers	Unified CM Supported	Comments
Accept	Yes	
Accept-Encoding	No	
Accept-Language	No	
Alert-Info	Yes	Cisco Unified Communications Manager sends Alert-Info to indicate internal versus external call.
Allow	Yes	
Authentication-Info	No	
Authorization	Yes	
Call-ID	Yes	
Call-Info	Yes	
Contact	Yes	
Content-Disposition	No	Cisco Unified Communications Manager will ignore this header if it gets received. Cisco Unified Communications Manager does not generate this header.
Content-Encoding	No	
Content Language	No	
Content-Length	Yes	
Content-Type	Yes	See Supported Content Types.
CSeq	Yes	
Date	Yes	
Error-Info	No	
Expires	Yes	
From	Yes	
Max-Forwards	Yes	Cisco Unified Communications Manager sets to 70 for outgoing INVITE and does not increment/decrement it.
MIME-Version	Yes	This header gets used with REFER
Min-Expires	Yes	

Table 1-4 **Standard SIP Header Fields (continued)**

SIP Headers	Unified CM Supported	Comments
Organization	No	
Priority	No	
Proxy-Authenticate	Yes	Cisco Unified Communications Manager SIP supports receiving this header in 407 responses.
Proxy-Authorization	Yes	Cisco Unified Communications Manager SIP supports sending new request with this header after it receives 407 responses.
Proxy-Require	No	
Record-Route	Yes	
Reply-To	No	
Require	Yes	
Retry-After	Yes	Send it but ignore receiving it.
Route	Yes	
Server	Yes	
Subject	No	
Supported	Yes	
Timestamp	Yes	
To	Yes	
Unsupported	Yes	
User-Agent	Yes	
Via	Yes	
Warning	Yes	
WWW-Authenticate	Yes	

Proprietary and Nonstandard SIP Headers and Identification Services

The following table lists the proprietary and nonstandard header fields for the standard SIP line-side interface. Refer to the [“Remote-Party-ID Header” section on page 1-7](#) for additional information.

Table 1-5 *Proprietary or Nonstandard SIP Header Fields*

SIP Headers	Unified CM Supported	Comments
Diversion	Yes	Used for RDNIS information. If it is present, it always presents the Original Called Party info. The receiving side of this header always assumes it is the Original Called Party info if present. In case of chained-forwarding to a VM, the message will get left to the Original Called Party.
Remote-Party-ID	Yes	Used for ID services including Connected Name & ID. This nonstandard, nonproprietary header gets included in the Standard Feature Scenarios anyway.

Remote-Party-ID Header

This section describes the SIP Identification Services in the Cisco Unified Communications Manager for the SIP line. This includes both Line and Name Identification Services:

- Line Identification Services include Calling Line and Connected Line Directory Number.
- Name identification Services include Calling Line Name, Alerting Line Name, and Connected Line Name.

The Remote-Party-ID header provides ID services header as specified in draft-ietf-sip-privacy-03.txt.

The Cisco Unified Communications Manager provides flexible configuration options for the endpoint to provide both Alerting Line Name and/or the Connected Line Name. This section does not describe those configuration options; it only provides the details on how Cisco Unified Communications Manager sends and receives these ID services to and from the SIP endpoint. The Remote-Party-ID header contains a display name with an address specification followed by optional parameters. The display carries the name while the user part of the address carries the number.



Note

Although the Remote-Party-ID header is nonstandard, many vendors implement it, and it gets included in most Cisco SIP products. Therefore, the standard section of this document includes it, even though it is effectively proprietary. The use of this header is not negotiated. Recipients should ignore it if it is not understood.

[Table 1-6](#) captures support levels for various identification parameters. Subsequent sections cover the following topics:

- [Calling Line and Name Identification Presentation, page 1-8](#)
- [Calling Line and Name Identification Restriction, page 1-8](#)
- [Connected Line and Name Identification Presentation, page 1-9](#)
- [Connected Line and Name Identification Restriction, page 1-9](#)

Table 1-6 Identification Parameters Support

Parameter	Values	Notes
party	calling	Ignored if Cisco Unified Communications Manager receives it.
	called	Set to called for outgoing INVITE or UPDATE from Cisco Unified Communications Manager. Set to calling for outgoing responses from Cisco Unified Communications Manager.
id-type	subscriber	Ignored if Cisco Unified Communications Manager receives it.
	user	Set to subscriber for outgoing requests and responses.
	term	
privacy	full	Supported if Cisco Unified Communications Manager receives it.
	name	Cisco Unified Communications Manager will also support sending all values in either INVITE or UPDATE requests and responses for the same.
	uri	
	off	
screen	no	Ignored if Cisco Unified Communications Manager receives it.
	yes	Cisco Unified Communications Manager always sends yes when generating a Remote-Party-ID header.

Calling Line and Name Identification Presentation

The system includes the Calling Line (Number) and Name in both the From header and optionally the Remote-Party-ID headers in the initial INVITE message from the endpoint. For example, an incoming INVITE from an endpoint with directory number, 69005, and a Caller ID, “sip line,” for an outbound call will have the following Remote-Party-ID and From headers:

```
Remote-Party-ID: "sip line"
<sip:69005@10.10.10.2>;party=calling;id-type=subscriber;privacy=off;screen=yes
From: "sip line" <sip:69005@10.10.10.2>;tag=1234
```

Calling Line and Name Identification Restriction

The system conveys the SIP Line (Number) and Name restrictions by using the privacy parameter. If neither is restricted, privacy gets specified as off. The details that follow provide other values of privacy (name, uri, and full) with their impact on the various values in the From and Remote-Party-ID headers:

name

Name Restrict only – When name is restricted, the display field (Calling Name) in “From” header gets set to “Anonymous.” The display field in the “Remote-Party-ID” header still includes the actual name, but the privacy field gets set to “name.” For example

```
Remote-Party-ID: "Anonymous"
<sip:69005@10.10.10.2>;party=calling;id-type=subscriber;privacy=name;screen=yes
From: "Anonymous" <sip:69005@10.10.10.2>;tag=1234
```

uri

Number Restrict only – When number is restricted, the system sets the calling Line to “Anonymous” out in the “From” header; however, it still gets included in the “Remote-Party-ID” header with privacy=uri. For example

```
Remote-Party-ID: "sip line"
<sip:69005@10.10.10.2>;party=calling;id-type=subscriber;privacy=uri;screen=yes
From: "sip line" <sip:Anonymous@10.10.10.2>;tag=1234
```

full

Both Name and Number Restrict – When both name and number are restricted, the same principle applies with privacy=full.

```
Remote-Party-ID: "sip line"
<sip:69005@10.10.10.2>;party=calling;id-type=subscriber;privacy=full;screen=yes
From: "Anonymous" <sip:Anonymous@10.10.10.2>;tag=1234
```

Connected Line and Name Identification Presentation

Connected Line/Name Identification is a supplementary service that provides the called or connected party number and name.

Cisco Unified Communications Manager uses the Remote-Party-ID header in 18x, 200, re-INVITE, and UPDATE messages to convey the connected name and number information. In this example, an endpoint placed a call to 9728135001. Cisco Unified Communications Manager determined that this number is for “Bob Jones” and sent that back to the originator in a 180 or 183 message.

```
Remote-Party-ID: "Bob Jones" <sip:
9728135001@10.10.10.2>;party=called;screen=yes;privacy=off
```

Connected Line and Name Identification Restriction

Similar to Calling ID services, the RPID can restrict the connected number and/or the name independently.

name

Name Restrict only – When name is restricted, the connected name still gets included with privacy=name. For example

```
Remote-Party-ID: "Bob Jones"<9728135001@localhost; user=phone>;
party=called;screen=no;privacy=name
```

uri

Number Restrict only – When number is restricted, the connected number still gets included with privacy=uri. For example

```
Remote-Party-ID: "Bob Jones"<9728135001@localhost; user=phone>;
party=called;screen=no;privacy=uri
```

full

Both Name and Number Restrict – When both name and number are restricted, both information parameters get included with privacy=full. For example

```
Remote-Party-ID: "Bob Jones"<9728135001@localhost; user=phone>;
party=called;screen=no;privacy=full
```

Supported Media Types

Refer to the following tables for supported media types at the SIP line interface:

- For supported audio media types, see [Table 1-7](#).
- For supported video media types, see [Table 1-8](#).
- For supported application media types, see [Table 1-9](#).
- For supported T38fax media types, see [Table 1-10](#).

Table 1-7 Supported Audio Media Types

Type	Encoding Name	Payload Type	Comments
G.711 μ -law	PCMU	0	
GSM Full-rate	GSM	3	
G.723.1	G723	4	
G.711 A-law	PCMA	8	
G.722	G722	9	
G.728	G728	15	
G.729	G729	18	Type supports all combinations of annex A and B.
RFC2833 DTMF	Telephony-event	Dynamically Assigned	Acceptable range is 96-127.

Table 1-8 Supported Video Media Types

Types	Encoding Name	Payload Type
H.261	H261	31
H.263	H263	34
H.263+	H263-1998	Acceptable range is 96-127.
H.263++	H263-2000	Acceptable range is 96-127.
H.264	H264	Acceptable range is 96-127.

Table 1-9 Supported Application Media Types

Types	Encoding Name	Payload Type
H.224 FECC	H224	Acceptable range is 96-127.

Table 1-10 Supported T38fax Payload Types

Types	Encoding Name	Payload Type
T38fax	Not applied	Not applied

Supported Event Packages

Table 1-11 provides supported event packages at the SIP line interface.

Table 1-11 *Supported Event Packages*

Event Package	Supported	Subscription or Unsolicited	Comments
message-summary	Yes	Unsolicited	Used for Message Waiting Indication notifications
refer	Yes	Subscription	Used to carry sipfrag responses during call transfer

Supported Content Types

Table 1-12 provides supported content types at the SIP line interface.

Table 1-12 *Supported Content Types*

Content Type	Comments
text/plain	See message-summary package.
message/sipfrag;version=2.0	See refer package as used for transfer.

SIP Message Fields

Cisco Unified Communications Manager SIP line supports request messages and response messages. The request messages include INVITE, ACK, OPTIONS, BYE, CANCEL, PRACK, and UPDATE methods. The response message comprises the status line with various status codes (1xx, 2xx, 3xx, 4xx, 5xx and 6xx). SIP line supports all mandatory fields in the SIP standard interface.

Request Messages

The following sections provide individual summaries for some types of SIP requests. These sections examine the dialog-initiating requests. You can deduce the values that midcall transactions use from these requests. Consult the call flows in [Chapter 2, “SIP Basic Line Call Flows,”](#) for additional information.

The SIP Request messages detailed in this section include

- [INVITE, page 1-12](#)
- [ACK, page 1-13](#)

INVITE

Table 1-13 *INVITE Message Fields*

Message Lines	Variable	Incoming (to Cisco Unified Communications Manager)	Outgoing (from Cisco Unified Communications Manager)
INVITE sip:userpart@destIP:destPort SIP/2.0	userpart	Called Party Number	Calling Party Number
	destIP	Cisco Unified Communications Manager IP address or FQDN	Endpoint IP address
	destPort	Cisco Unified Communications Manager SIP port	Endpoint SIP port
Via: SIP/2.0/UDP ip:port;Branch=number	ip	Endpoint IP address	Cisco Unified Communications Manager IP address
	port	Endpoint SIP port	Cisco Unified Communications Manager SIP port
	number	Endpoint branch number	Cisco Unified Communications Manager branch number
From: "display" <sip:userpart@ip>;tag=from-tag	display ¹	Calling Party Name	Calling Party Name
	userpart	Calling Party Number	Calling Party Number
	ip	Cisco Unified Communications Manager IP address or FQDN	Cisco Unified Communications Manager IP address
	from-tag	Endpoint local tag	Cisco Unified Communications Manager local tag
To: <sip:userpart@destIP>	userpart	Called Party Number	Called Party Number
	destIP	Cisco Unified Communications Manager IP address or FQDN	Endpoint IP address
Remote-Party-ID: "display" <sip:userpart@ip>;params	display	Calling Party Name	Calling Party Name
	userpart	Calling Party Number	Calling Party Number
	ip	Endpoint IP address	Cisco Unified Communications Manager IP address
	params	Varies per Endpoint	Varies per Cisco Unified Communications Manager configuration
Call-ID: string	string	Endpoint-generated string	Cisco Unified Communications Manager generated string

Table 1-13 *INVITE Message Fields (continued)*

Message Lines	Variable	Incoming (to Cisco Unified Communications Manager)	Outgoing (from Cisco Unified Communications Manager)
Contact: <sip:userpart@ip:port >	userpart	Calling Party Number	Calling Party Number
	ip	Endpoint IP address	Cisco Unified Communications Manager IP address
	port	Endpoint port	Cisco Unified Communications Manager port
Cseq: number method	number	sequence number	sequence number
	method	SIP method	SIP method
Max-Forwards: number	number	Max forwards	Max forwards
SDP [sdp]	sdp	Endpoint SDP	Cisco Unified Communications Manager typically uses delayed media.

1. Be aware that any display field in any SIP header can be encoded as ASCII or Unicode.

ACK

The ACK message values will reflect the values that were established by the INVITE/18x/200 message sequence.



Note

The ACK may contain SDP and Remote-Party-ID headers.

Response Messages



Note

The order of the outgoing and incoming columns is switched in the following table compared to the preceding table for the INVITE messages. This way, the columns align according to dialog across these tables; in other words, an incoming INVITE to Cisco Unified Communications Manager results in an outgoing 180 message .

The SIP Response messages that are detailed in this section include

- [180 Ringing, page 1-14](#)
- [183 Session Progress, page 1-15](#)
- [2xx, page 1-15](#)

180 Ringing

Table 1-14 180 Ringing Message Fields

Message Lines	Variable	Outgoing (from Cisco Unified Communications Manager)	Incoming (to Cisco Unified Communications Manager)
SIP/2.0 180 Ringing			
Via: SIP/2.0/UDP ip:port;Branch=number	ip	Endpoint IP address	Cisco Unified Communications Manager IP address
	port	Endpoint SIP port	Cisco Unified Communications Manager SIP port
	number	Endpoint branch number	Cisco Unified Communications Manager branch number
From: "display"<sip:userpart@ip>;tag=from-tag	display	Calling Party Name	Calling Party Name
	userpart	Calling Party Number	Calling Party Number
	ip	Cisco Unified Communications Manager IP address or FQDN	Cisco Unified Communications Manager IP address
	from-tag	Endpoint local tag	Cisco Unified Communications Manager local tag
To: <sip:userpart@destIP>;tag=to-tag	userpart	Called Party Number	Called Party Number
	destIP	Cisco Unified Communications Manager IP address or FQDN	Endpoint IP address
	to-tag	Cisco Unified Communications Manager local tag	Endpoint local tag
Remote-Party-ID: "display" <sip:userpart@ip>;params	display	Called Party Name	Called Party Name
	userpart	Called Party Number	Called Party Number
	ip	Cisco Unified Communications Manager IP address	Endpoint IP address
	params	Varies per Cisco Unified Unified CM processing	Varies per endpoint processing
Call-ID: string	string	Endpoint-generated string from the initial INVITE	Cisco Unified Communications Manager-generated string from the initial INVITE

Table 1-14 180 Ringing Message Fields (continued)

Message Lines	Variable	Outgoing (from Cisco Unified Communications Manager)	Incoming (to Cisco Unified Communications Manager)
Contact: <sip:userpart@ip:port >	userpart	Called Party Number	Called Party Number
	ip	Cisco Unified Communications Manager IP address	Endpoint IP address
	port	Cisco Unified Communications Manager port	Endpoint port
Cseq: number INVITE	number	Sequence number from initial INVITE	Sequence number from initial INVITE

183 Session Progress

The 183 message establishes early media. Cisco Unified Communications Manager will include SDP in a 183 message that is sent to an endpoint. The Remote-Party-ID header may have changed as well. Otherwise, a 183 carries the same values as a 180.

2xx



Note

Most 2XX values match the 180 message; except, of course, 200 carries SDP. Also, the Remote-Party-ID may have changed after a 18x message was sent.

Table 1-15 2XX Message Fields

Message Lines	Variable	Outgoing (from Cisco Unified Communications Manager)	Incoming (to Cisco Unified Communications Manager)
SIP/2.0 200 OK			
Via: SIP/2.0/UDP ip:port;Branch=number	ip	Endpoint IP address	Cisco Unified Communications Manager IP address
	port	Endpoint SIP port	Cisco Unified Communications Manager SIP port
	number	Endpoint branch number	Cisco Unified Communications Manager branch number

Table 1-15 2XX Message Fields (continued)

Message Lines	Variable	Outgoing (from Cisco Unified Communications Manager)	Incoming (to Cisco Unified Communications Manager)
From: "display"<sip:userpart@ip>;tag=from-tag	display	Calling Party Name	Calling Party Name
	userpart	Calling Party Number	Calling Party Number
	ip	Cisco Unified Communications Manager IP address or FQDN	Cisco Unified Communications Manager IP address
	from-tag	Endpoint local tag	Cisco Unified Communications Manager local tag
To: <sip:userpart@destIP>;tag=to-tag	userpart	Called Party Number	Called Party Number
	destIP	Cisco Unified Communications Manager IP address or FQDN	Endpoint IP address
	to-tag	Cisco Unified Communications Manager local tag	Endpoint local tag
Remote-Party-ID: "display" <sip:userpart@ip>;params	display	Called Party Name	Called Party Name
	userpart	Called Party Number	Called Party Number
	ip	Cisco Unified Communications Manager IP address	Endpoint IP address
	params	Varies per Cisco Unified Communications Manager processing	Varies per endpoint processing
Call-ID: string	string	Endpoint-generated string from the initial INVITE	Cisco Unified Communications Manager- generated string from the initial INVITE
Contact: <sip:userpart@ip:port >	userpart	Called Party Number	Called Party Number
	ip	Cisco Unified Communications Manager IP address	Endpoint IP address
	port	Cisco Unified Communications Manager port	Endpoint port
Cseq: number INVITE	number	Sequence number from initial INVITE	Sequence number from initial INVITE
SDP [sdp]	sdp	Cisco Unified Communications Manager SDP	Endpoint SDP

Message Timers

The following timers are service parameters that are configurable in Cisco Unified Communications Manager Administration. Cisco Unified Communications Manager maintains the following configuration data for the SIP timers.

Table 1-16 **Message Timers**

Message	Value (Default/Range)	Definition
trying	500 ms/100-1000 ms	The time to wait for a 100 response to an INVITE request
connect	500 ms /100-1000 ms	The time to wait for a 200 response to an ACK request
disconnect	500 ms /100-1000 ms	The time to wait for a 200 response to a BYE request
expires	3 min/1-5 min	Limits the time duration for which an INVITE is valid
rel1xx	500 ms /100-1000 ms	The time that Cisco Unified Communications Manager should wait before retransmitting the reliable 1xx responses
prack	500 ms /100-1000 ms	The time that Cisco Unified Communications Manager should wait before retransmitting the PRACK request
notify	500 ms /100-1000 ms	The time that Cisco Unified Communications Manager should wait before retransmitting the Notify message

Message Retry Counts

All the following retry counts are service parameters that are configurable in Cisco Unified Communications Manager Administration. Cisco Unified Communications Manager maintains the following configuration data for the SIP retries. In case of TCP transportation type, the timers will still pop as usual. In the event of timeout, however, the stack will not retransmit; it will rely instead on TCP itself to do the retry.

Table 1-17 **Message Retry Counts**

Counter	Default Value	Suggested Range	Definition
Invite retry count	5	1 – 10	Number of INVITE retries
Response retry count	6	1 – 10	Number of RESPONSE retries
Bye retry count	10	1 – 10	Number of BYE retries
Cancel retry count	10	1 – 10	Number of Cancel retries
PRACK retry count	6	1 – 10	Number of PRACK retries
Rel1xx retry count	10	1 – 10	Number of Reliable 1xx response retries
Notify retry count	6	1 – 10	Number of NOTIFY retries

Standard Feature Scenarios

This section provides details with respect to overall flow and handling of standard SIP features on the Cisco Unified Communications Manager line-side interface. This includes, but is not limited to, the following features:

- [Registration, page 1-19](#)
- [Basic Call, page 1-21](#)
- [Simple Hold and Resume, page 1-21](#)
- [Transfer, page 1-21](#)
- [Three-Way Calling, page 1-23](#)
- [Call Forwarding, page 1-24](#)
- [Message Waiting Indication, page 1-25](#)
- [Endpoint Returns 302 Redirect, page 1-25](#)
- [Endpoint Returns 486 Busy, page 1-25](#)

For scenario descriptions and associated call flows, refer to [Chapter 2, “SIP Basic Line Call Flows.”](#)

Registration

Cisco Unified Communications Manager supports standard RFC3261 registration from any compliant SIP phone. Because Cisco Unified Communications Manager is a B2BUA, however, it must be able to uniquely identify the registering device to match that device with a configuration entry in the database. Furthermore, Cisco Unified Communications Manager must be able to identify the originating device (and line) for all other SIP requests that it receives (INVITE, REFER, SUBSCRIBE, and so on) to authorize, filter, and route the message. Because standard SIP does not provide a consistent and unambiguous mechanism for identifying the originating device, for standard registration, Cisco Unified Communications Manager relies on the HTTP digest user ID to identify the sending device.

Knowledge of the sending device and line allows Cisco Unified Communications Manager to apply various routing, authorization, and filtering logic to incoming registrations, subscriptions, and invites.

The system supports TCP and UDP transports for Standard registration, but not TLS.

Source Device ID for RFC3261-Compliant Phones

Cisco Unified Communications Manager needs to uniquely identify the device sending the REGISTER message to apply authentication, routing, and filtering. The Contact IP address is not suitable because it can change dynamically if DHCP is used. Instead, Cisco Unified Communications Manager uses the HTTP digest user ID. Each device that is configured in Cisco Unified Communications Manager requires a unique digest user ID. When the device sends the REGISTER, Cisco Unified Communications Manager will immediately respond with a 401 challenge to get the Authentication header. The system uses the user ID from the authentication header to find the configuration entry in the database. If the third-party phone is not configured with the correct user ID, or the user ID is not associated with the device in the Cisco Unified Communications Manager database, Cisco Unified Communications Manager will respond with a 404 Not Found.

MultiLine Registration

Multiple lines can register with Cisco Unified Communications Manager as long as they each have a different directory number. The directory number must appear in the To and From header of the REGISTER, and it must be numeric.

REGISTER Refresh (Keepalive)

Cisco Unified Communications Manager uses REGISTER refreshes as keepalive messages to ensure the phone is still alive and connected. When the phone first registers with Cisco Unified Communications Manager, the 200OK response will include an Expires header with the configured keepalive interval. The phone must send a REGISTER refresh within this interval with the same Call ID, Contact IP address, and Contact port number. If Cisco Unified Communications Manager fails to receive a keepalive message within the configured interval (default 120 seconds), it will unregister the phone internally, so no calls can originate from or terminate to the phone.

Device Binding

After the device has been identified by the digest user ID, the system creates a binding within Cisco Unified Communications Manager between that device ID and the transport address. This binding gets created because Cisco Unified Communications Manager must identify the sending device for all subsequent requests from the phone (INVITE, REFER, SUBSCRIBE, and so on), and these requests do

not contain the device ID. However, these requests do contain source transport information, so the binding gets created between the device ID and the transport information. The transport information that is used differs for UDP and TCP.

For UDP, the system creates the binding between the device ID and the IP address and port number in the Contact header. After the first REGISTER message is sent, all subsequent requests must use the same IP address and port number in the Contact header. If it changes, a 5xx error response gets returned because Cisco Unified Communications Manager cannot route the message.

For TCP, the system uses a combination of Contact binding and TCP connection binding. When a device registers over a TCP connection, Cisco Unified Communications Manager cannot determine whether the TCP connection will be transient (a new connection gets used for each transaction) or persistent. Therefore, Cisco Unified Communications Manager initially binds the device ID to the Contact IP address and port number. After several transactions get sent over the same TCP connection, the system considers it as proved-in and marks it as persistent. At this point, a binding gets created between the device ID and the TCP connection.

Multiple Bindings for the Same AOR

Cisco Unified Communications Manager includes a minor deviation from RFC3261 for the case of multiple registration bindings for a single address of record. Under the Cisco Unified Communications Manager architecture, if three devices are configured to have a shared line at 321-1000, each will register a contact in the form of 3211000@ip:port for that line. Each device will have its own unique IP address and thus have a unique contact for that line. RFC3261 states that, upon registration, all known contact bindings shall be returned to the registering entity in the 200OK response. Cisco Unified Communications Manager will only return the contact binding of the registering device during each registration; it will not enumerate other bindings that it knows about for a given AOR during registration. A registering endpoint should not rely on the binding list that is returned in the 200OK response as an exhaustive list for all bindings that are associated with the AOR. In addition, an endpoint cannot modify bindings for another device through Cisco Unified Communications Manager; it can only refresh or delete its own binding.

Redundancy

The SIP phone should follow the DNS-SRV procedures that are described in RFC 3263 to achieve load balancing and redundancy. To work properly with Cisco Unified Communications Manager, the nodes that are listed in the SRV record must match the nodes that are configured in the Cisco Unified Communications Manager Group configuration that is assigned to the SIP device in the Cisco Unified Communications Manager database. The administrator must keep the SRV record synchronized with the Cisco Unified Communications Manager Group configuration. If the SRV query returns an address that is not part of the Cisco Unified Communications Manager Group for the device, and the phone attempts to register to that Cisco Unified Communications Manager, registration will fail. If an SRST node is configured in the Device Pool for the SIP phone, the SRV record can also include it, but only UDP gets supported.

Cisco Unified Communications Manager uses a device-oriented approach to registration and redundancy. All lines on a single phone must register to the same Cisco Unified Communications Manager node, and when a failure is detected, all lines on the phone must fail over to the same secondary node. The system does not allow registering the same line on more than one node, nor does it allow registering different lines from one physical device to different Cisco Unified Communications Manager nodes. Therefore, all lines on a given SIP phone must have the same DNS-SRV configuration. You can do load balancing on a device basis, so different SIP phones can have different DNS-SRV configurations.

A Cisco Unified Communications Manager node will not accept requests (other than REGISTER) from a SIP phone unless the phone is actively registered on that node. Therefore, the phone should send all non-REGISTER requests only to the actively registered node. If the active Cisco Unified Communications Manager fails and the phone is using UDP transport, some delay (less than or equal to the registration refresh interval) will occur until the phone detects the failure and reregisters with the next Cisco Unified Communications Manager in the SRV list. The Cisco Unified Communications Manager uses a short register refresh interval (default is 120 seconds), so the failure usually gets detected before a call is attempted. However, if you want a shorter outage window, you can change the refresh interval in the SIP Station Keepalive Interval Service Parameter for the Cisco Unified CallManager service. This applies to all SIP stations and may affect call capacity.

Typically, when DNS-SRV is used, the DNS-SRV FQDN gets included in the Request-URI for requests that are sent from the SIP phone to the Cisco Unified Communications Manager. If this is the case, ensure that the Cluster Fully Qualified Domain Name Enterprise Parameter gets updated to include the SRV FQDN. Otherwise, the address in the Request-URI will not be recognized as belonging to the Cisco Unified Communications Manager cluster, and the request gets rejected.

Basic Call

Cisco Unified Communications Manager follows the procedures that are described in RFC 3261, 3262, and 3264 to establish and clear down basic SIP calls. Often, on the outgoing side, Cisco Unified Communications Manager will send out INVITE without SDP. This allows Cisco Unified Communications Manager to discover the capabilities of both sides and provide media services in between if necessary (for example, transcoding).

Simple Hold and Resume

Cisco Unified Communications Manager SIP line side supports simple media hold as per RFC 2543 (a.k.a. c = 0) or as per RFCs 3261 and 3264 (a = sendonly or a = inactive).

Transfer

SIP line-side Transfer uses the REFER message, and REFER with an embedded Replaces header, as per RFC 3515.

For call transfer, three actors exist:

- The person who is being transferred is known as the transferee.
- The person who is transferring the call is known as the transferor.
- The person who is receiving the transfer is known as the transfer target or simply the target.

Cisco Unified Communications Manager supports three types of transfer:

- Attended (also known as Consultative)
- Early Attended
- Blind

Attended Transfer

With attended transfer, the transferor places the transferee on hold and calls the target. After conversing with the target, the transferor completes the transfer and drops out of the call. The transferee automatically gets taken off hold and connected to the target.

Attended transfer involves two somewhat independent dialogs at the transferor device up until the time the device sends a REFER with embedded replaces header. When this message is received, Cisco Unified Communications Manager knows that the calls are associated.

Because Cisco Unified Communications Manager is a B2BUA, a REFER with embedded replaces does not trigger an INVITE with replaces from the transferee to the transfer target. The dialogs between Cisco Unified Communications Manager and each phone stay independent. Instead, Cisco Unified Communications Manager reINVITEs (and UPDATEs) the transferee and transfer target to connect them together. During this process, the transferor will receive sipfrag NOTIFY messages. After the connection is complete, both dialogs between Cisco Unified Communications Manager and transferor get BYE'd.

The following more detailed view shows what happens when the REFER is received:

1. Split transferor and transferee call:
 - reINVITE to disconnect media
2. Split transferor and transfer target call:
 - reINVITE to disconnect media
3. Join transferee and transfer target call legs:
 - reINVITE to connect media
 - UPDATE display name and number via Remote-Party-ID header
4. Clear transferor dialogs

Early Attended Transfer

With early attended transfer, the transferor places the original call on hold and calls the target. Upon receiving a ringback tone, the transferor transfers the call to the target and drops out of both calls. The transferee receives a ringback while the target phone is alerting. When the target answers, the system establishes a connection between transferee and target.

The transferor call flow, which uses a REFER with embedded replaces header, is based on the existing implementation of this feature on the SIP phones and gateways. The problem with this implementation in a peer-to-peer environment is the failure to support parallel forking to multiple targets. Version 04 of the replaces draft specifically precludes a UAS from accepting a replaces header that was not initiated by that UA. The receiving UAS must to return a 481 message in that situation. Instead, the existing implementation honors the request and replaces the early dialog. That causes it to send a 487 message back to the transferor.

**Note**

Version 04 of the replaces draft came after the existing implementation. Nevertheless, Cisco will continue to use this flow in a Cisco Unified Communications Manager environment for now.

Early attended transfer involves two somewhat independent dialogs at the transferor device up until the time the device sends a REFER with embedded replaces header. When this message is received, Cisco Unified Communications Manager registers that the calls are associated. Because Cisco Unified Communications Manager is a B2BUA, a REFER with replaces header does not trigger an INVITE with replaces from the transferee to the transfer target. The dialogs between Cisco Unified Communications

Manager and each phone stay independent. Instead, Cisco Unified Communications Manager reINVITEs (and UPDATEs) the transferee and transfer target to connect them together. During this process, the transferor will receive sipfrag NOTIFY messages. After the connection is complete, both dialogs between Cisco Unified Communications Manager and transferor get BYE'd.

The following more detailed view shows what happens when the REFER is received:

1. Split transferor and transferee call:
 - reINVITE to disconnect media
2. Split transferor and transfer target call:
 - reINVITE sent to transferor to disconnect media
3. Join transferee and transfer target call legs:
 - reINVITE to connect media
 - UPDATE display name and number via Remote-Party-ID header
 - Clear transferor dialogs

The transferee will **not** receive a ringback although the target is alerting.

Blind Transfer

With blind transfer, the transferor places the original call on hold and dials the target. The transferor then uses SIP REFER to redirect the transferee to the target. No call gets made to the target prior to transfer. The timing for when the transferor drops out of the call depends on the transferor implementation of the feature, but, most likely, the drop occurs when the transferor is notified that the redirect operation was accepted and has begun.

The REFER does not contain an embedded replaces as it does for attended and early attended transfer.

Three-Way Calling

Many SIP phones support local mixing by the endpoint. For example, the existing SIP implementation on the Cisco Unified IP Phone 7960/40 supports it. It will continue to work for Cisco Unified Communications Manager line-side SIP endpoints. To support local mixing on the phone, Cisco Unified Communications Manager must allow the endpoint to have multiple active calls. Cisco Unified Communications Manager will allow this for SIP endpoints. From the Cisco Unified Communications Manager perspective, a locally mixed three-way call (or an n-way call) just looks like individual active calls. Cisco Unified Communications Manager does not perceive local mixing. Cisco Unified Communications Manager conference-related features like Conference List and Remove Last Party do not apply.

In a SIP environment, the endpoint that is hosting a three-way call can drop out and arrange to have the remaining two parties connected together. With SIP, the system accomplishes this by using REFER with embedded replaces. Prior to this action, two calls with four dialogs exist:

1. A.1 to B call
 - A.1 to Cisco Unified Communications Manager dialog
 - Cisco Unified Communications Manager to B dialog
2. A.2 to C call
 - A.2 to Cisco Unified Communications Manager dialog
 - Cisco Unified Communications Manager to C dialog

Phone A can drop out of the call by sending an in-dialog REFER on dialog A.1 with an embedded replaces header that specifies dialog A.2. Cisco Unified Communications Manager will invoke its attended transfer feature, which results in the remaining parties being connected together. Refer to the [“Attended Transfer” section on page 1-22](#) for details regarding the operation of that feature.

Call Forwarding

Call Forwarding occurs when a call does not get answered by the original called party but, instead, gets presented to one or more subsequent forwarded parties. Cisco Unified Communications Manager supports three types of forwarding:

- Call Forward All (also known as Call Forward Unconditional)
- Call Forward No Answer
- Call Forward Busy

In only in the call forward no answer case does the call actually get presented to the original called party. Cisco Unified Communications Manager detects call forward all and call forward busy prior to sending an INVITE to the called party, so forwarding bypasses that party. Call forward no answer will get detected via a timer in Cisco Unified Communications Manager, so Cisco Unified Communications Manager will initiate the canceling of the call to the original called party.

Older Cisco phones that use SIP or third-party SIP phones may elect to implement forward all and forward busy locally on the phone, in which case they will need to use 302 (See [““Endpoint Returns 302 Redirect” section on page 1-25](#)) and 486 (See [“Endpoint Returns 486 Busy” section on page 1-25](#)) response codes, respectively, to the INVITE.

Cisco Unified Communications Manager informs the calling party that their call has been forwarded via “Remote-Party-ID:” headers in updated 180 messages. The type of forwarding does not get communicated to the calling party.

For example

```
Remote-Party-ID: "Line 1030 Name"  
<sip:1030@172.18.203.78>;party=called;id-type=subscriber;privacy=off;screen=yes
```

Cisco Unified Communications Manager indicates forwarding to the called (or current forwarded-to) party by using “Diversion:” headers in subsequent INVITEs. Cisco Unified Communications Manager will report, at most, two diversion headers. The first will indicate the last forwarding party, and the second will indicate the original called party. In a single-hop forwarding case, the system uses only a single diversion header because the original called party and last forwarding parties are the same. In a three-or-more-hop case, the intermediate parties do not get communicated to the current forwarded-to party. For example

```
Diversion: "Line 1020 Name"  
<sip:1020@172.18.203.99>;reason=no-answer;privacy=off;screen=yes  
Diversion: "Line 2020 Name"  
<sip:2020@172.18.203.99>;reason=unconditional;privacy=off;screen=yes  
Diversion: "Line 3020 Name"  
<sip:3020@172.18.203.99>;reason=user-busy;privacy=off;screen=yes
```

The phone may activate Call Forward All via a softkey.

Message Waiting Indication

The system triggers activation of the Message Waiting Indication (MWI) on the phone via an unsolicited NOTIFY from Cisco Unified Communications Manager. The NOTIFY will have an event type of “message-summary” and a message body with content type of “application/simple-message-summary” and a body that contains either “Messages-Waiting: yes” to instruct the phone to turn on its MWI or “Messages-Waiting: no” to instruct the phone to turn off its MWI.

This MWI Notify will get sent whenever that Cisco Unified Communications Manager detects that the phone MWI status should change. This could occur if a message is left for that subscriber on a connected voice messaging server and that voice messaging server informs Cisco Unified Communications Manager or if all messages are cleared. Additionally, this NOTIFY that contains the current MWI state always gets sent during registration of a line, so phones with flash memory have the latest MWI state that is known to Cisco Unified Communications Manager.

Endpoint Returns 302 Redirect

Because not all SIP phones will support the enhanced call forward all activation behavior to synchronize the call forward all state between the phone and Cisco Unified Communications Manager, some phones may allow the user to configure a call forward number on the phone locally and then return a 302 message to an INVITE instead.

The 302 message must contain a “Contact:” header that indicates the party to which the call should be forwarded. A phone that sends a 302 should also include a “Diversion:” header that includes its own name and number as well as the reason for forwarding.

When Cisco Unified Communications Manager receives a 302 message from a phone, the system presents the call to the next party that is indicated in the contact header of that 302 with the diversion header from the 302 that is listed first (assuming the next party is also a SIP device). If that next party also forwards, the diversion header that is sent in the first 302 may get passed along to subsequent forwarded-to parties if the phone that is sending the 302 was the original called party.

Endpoint Returns 486 Busy

You can configure all lines on a Cisco Unified Communications Manager with a “busy trigger.” After the number of active calls to that line reaches the busy trigger, Cisco Unified Communications Manager will prevent further calls from being presented to that phone by initiating a call forward busy without sending another INVITE to the phone.

However, due to misconfiguration or the potential for calls of which Cisco Unified Communications Manager is not aware to exist on the phone (for example, a phone in a dialing state that has not yet sent an INVITE), the phone may need to manage its own busy trigger and autonomously throttle calls. Phones accomplish this by sending a 486 response code to an INVITE.

Although Cisco Unified Communications Manager may have Call Forward Busy behavior configured for a line (for example, forward to DN or forward to a voice-messaging system), that behavior does not get exercised when a 486 message is received from the phone. Instead, the 486 message will be passed back to the original called party.



CHAPTER 2

SIP Basic Line Call Flows

This chapter describes the SIP basic line side call flows for Cisco Unified Communications Manager. It shows the interfaces and interactions between Cisco Unified Communications Manager and SIP endpoints for basic calls and supplementary services. The new features and enhancements that are introduced in this release do not impose any backward compatibility implications on previous versions of the SIP line.

This chapter contains standard SIP call flow scenarios including registration and call processing for Cisco Unified Communications Manager. Each SIP call flow has the same format:

1. A description for the scenario that describes what is happening from the various phone user perspectives.
2. The message sequence charts, including the phones and Cisco Unified Communications Manager nodes involved in the various SIP transactions. Each message sequence chart uses the following conventions:
 - a. A dialog identifier and message number relative to the scenario precedes each message. For example "(d2) [3] INVITE..." indicates that the INVITE is the third message in the sequence and is in the second dialog. Other messages in the same dialog will also have (d2) at the beginning. Also, the message link color stays the same for all messages within a dialog.
 - b. Phones names use letters. For example, Phone A.
 - c. Nodes in the message sequence charts that represent phones have labels with the phone letter and the line number. For example, A 1100 represents line 1100 on phone A.
3. The detailed SIP messages that are associated with the message sequence chart.

Each message arrow () is clickable. Clicking a message arrow will cause the document to display the detailed message.

Clicking [\[diagram\]](#) above the message will cause the document to display the message sequence chart that contains that message.

This document uses special terminology for certain types of phones:

- A “SIP Basic” phone is a Cisco Unified IP Phone 7960 that is configured with an image prior to Cisco Unified Communications Manager Release 5.0 to simulate a third-party phone.
- A “SIP TNP” phone includes the Cisco Unified IP Phones 7911, 7941, 7961, 7970, and 7971. These phones all use the same code base and exhibit very similar call flow sequences.



Note

Cisco used actual traces to generate the message sequence charts and detailed messages for each call scenario in this chapter. Every effort was taken to minimize extraneous messages that do not pertain to a given call flow, but it is not possible to ensure this 100 percent of the time. You may notice some

nonrelevant messages and/or nonrelevant nodes in a particular call flow. For example, (re)REGISTER and (re)SUBSCRIBE and related transactions may show up in the middle of a call flow but do not really pertain to the scenario at hand. At times, you may even see a node that does not belong. You can easily recognize an extra node because the relevant nodes and lines are listed in the Configuration section found prior to the first message sequence chart of each scenario.

List of Scenarios:

1. Register
 - 1.1 [Register SIP 3rd-Party Phone \(EyeBeam\) with 1 Line](#)
 - 1.2 [Register SIP 3rd-Party Phone \(Polycom\) with 3 lines](#)
2. Basic Call
 - 2.1 [Basic Call - SIP Basic calls SIP Basic](#)
 - 2.2 [Basic Call - SIP Basic phone calls an SCCP phone](#)
 - 2.3 [Basic Call - SIP Basic calls SIP Basic - No Caller Id Restrictions](#)
 - 2.4 [Basic Call - SIP Basic calls SIP Basic - Caller Id Restrictions](#)
 - 2.5 [Calling and Connected Name ID - Different alerting/connected name](#)
 - 2.6 [Calling and Connected Name ID](#)
 - 2.7 [Multiple Lines Per Phone](#)
 - 2.8 [Multiple Calls Per Line](#)
 - 2.9 [Basic Call - SIP Basic calls SIP Basic No Answer](#)
 - 2.10 [Call Screening \(Normal blocked\)](#)
 - 2.11 [Call Screening \(Rejected blocked\)](#)
 - 2.12 [Basic Call - SIP Basic calls unknown number](#)
 - 2.13 [486 Busy Here](#)
3. Hold Resume
 - 3.1 [Basic Call - Call Hold and Resume \(SIP to SIP\)](#)
 - 3.2 [Basic Call - Call Hold and Resume \(SIP to SCCP\)](#)
4. Conference
 - 4.1 [Three Way Conference Calling \(SIP Basic Phones\)](#)
5. Transfer
 - 5.1 [Transfer Attended \(All SIP Basic phones\)](#)
 - 5.2 [Transfer Semi-Attended \(All SIP Basic phones\)](#)
 - 5.3 [Transfer Unattended \(SIP Basic phones\)](#)
6. Call Forwarding
 - 6.1 [Call Forward All](#)
 - 6.2 [Call Forward No Answer](#)
 - 6.3 [Call Forward Busy](#)
 - 6.4 [Call Forward Two Hops](#)
 - 6.5 [302 Redirect](#)
7. Call Forking
 - 7.1 [Call Forking](#)
8. Distinctive Ringing

- 8.1 [Alert Info - Internal](#)
- 8.2 [Alert Info - External](#)

9. Message Waiting Indicator

- 9.1 [Message Waiting Indication On](#)
- 9.2 [Message Waiting Indication Off](#)
- 9.3 [Message Waiting Indication On at Registration](#)
- 9.4 [Message Waiting Indication Off at Registration](#)

1. Register

1.1 Register SIP 3rd-Party Phone (EyeBeam) with 1 Line

Title: Register SIP 3rd-Party Phone (EyeBeam) with 1 Line

Description:

This is the register sequence for a EyeBeam phone configured with 1 line. In order to find the device entry in the Cisco Unified CM database, the phone must be identified by the HTTP digest user ID. Therefore, Cisco Unified CM challenges the register to get the Authorization header containing the digest user ID (eyebeam). This happens for all 3rd-party phones regardless of whether the SIP Phone Security Profile is configured with digest authorization. The digest user ID must be configured as an End User in the database and associated with the device in the Digest User field of the Phone Configuration page. Also note that each user ID can be associated with only one device when used for 3rd-party configuration.

Configuration:

Node = Unified CM, IP = 5.5.5.45

Phone = U, Line = 3881070, IP = 5.5.5.7, Model = 3rd-Party

Scenario:

Line 3881070 registers with Unified CM

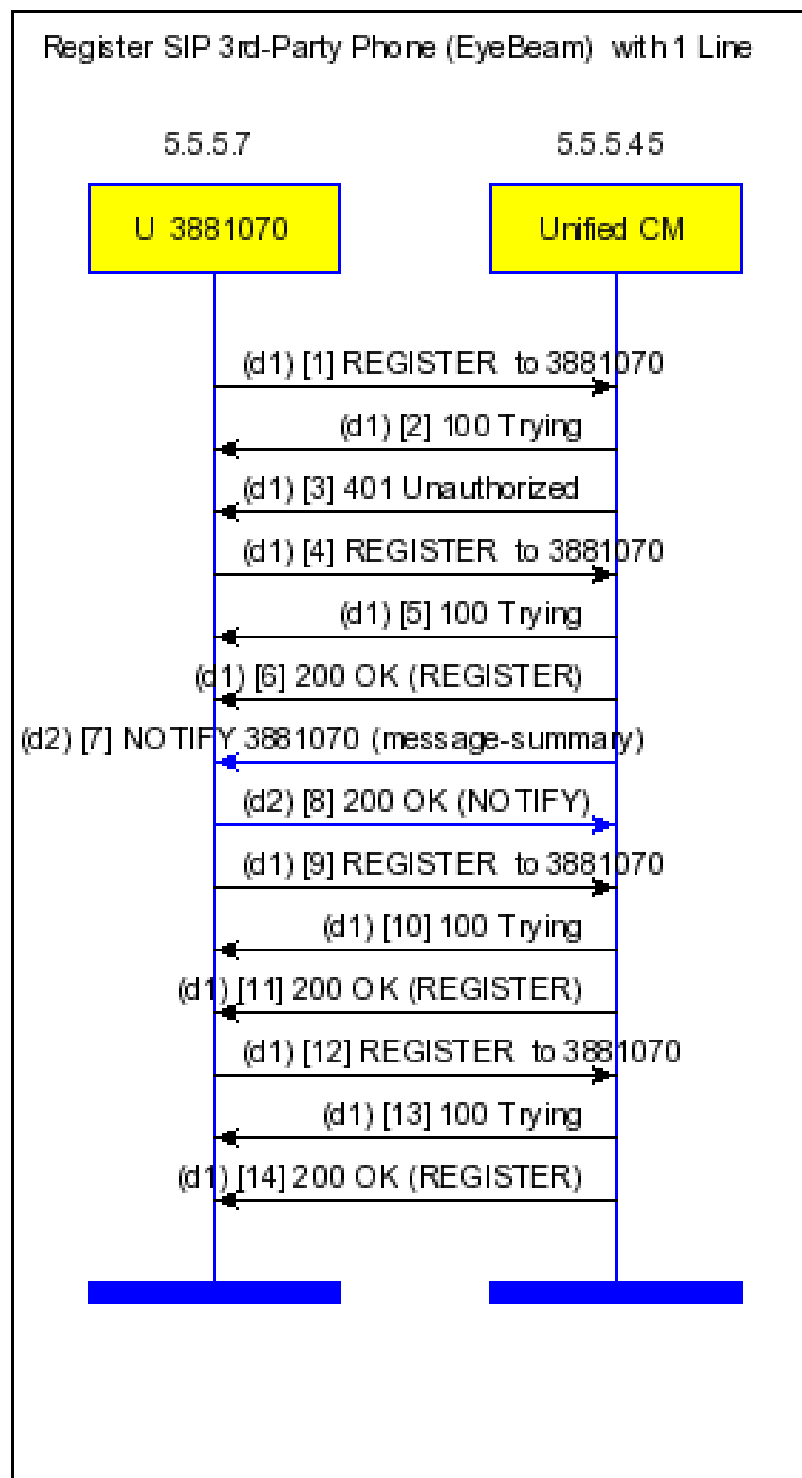
Unified CM challenges register with 401 response

Line 3881070 re-registers with Authorization header

Unified CM responds with 200 OK

Unified CM sends MWI status in a NOTIFY request

After 120 sec, Line 3881070 sends a register refresh to Unified CM (keepalive)



[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[1] REGISTER sip:titan-pub.sipnet5.com SIP/2.0

Via: SIP/2.0/UDP 5.5.5.7:55392;branch=z9hG4bK-d87543-7a708e24e4279f79-1--d87543-;rport
Max-Forwards: 70
Contact: <sip:3881070@5.5.5.7:55392;rinstance=64c34f0b343dc66a>
To: "3881070"<sip:3881070@titan-pub.sipnet5.com>
From: "3881070"<sip:3881070@titan-pub.sipnet5.com>;tag=e6239a18
Call-ID: 8d50055495037b6bNGE1MjNkMTdhMDdjZjFiNDk2Y2RiYTE3YTM1OWMwY2M.
CSeq: 1 REGISTER
Expires: 300
Allow: INVITE, ACK, CANCEL, OPTIONS, BYE, REFER, NOTIFY, MESSAGE, SUBSCRIBE, INFO
User-Agent: eyeBeam release 1003l stamp 30936
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[2] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.7:55392;branch=z9hG4bK-d87543-7a708e24e4279f79-1--d87543-;rport
From: "3881070"<sip:3881070@titan-pub.sipnet5.com>;tag=e6239a18
To: "3881070"<sip:3881070@titan-pub.sipnet5.com>
Date: Thu, 14 Jun 2007 14:30:13 GMT
Call-ID: 8d50055495037b6bNGE1MjNkMTdhMDdjZjFiNDk2Y2RiYTE3YTM1OWMwY2M.
CSeq: 1 REGISTER
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[3] SIP/2.0 401 Unauthorized

Via: SIP/2.0/UDP 5.5.5.7:55392;branch=z9hG4bK-d87543-7a708e24e4279f79-1--d87543-;rport
From: "3881070"<sip:3881070@titan-pub.sipnet5.com>;tag=e6239a18
To: "3881070"<sip:3881070@titan-pub.sipnet5.com>;tag=1244891505
Date: Thu, 14 Jun 2007 14:30:13 GMT
Call-ID: 8d50055495037b6bNGE1MjNkMTdhMDdjZjFiNDk2Y2RiYTE3YTM1OWMwY2M.
CSeq: 1 REGISTER
WWW-Authenticate: Digest realm="ccmsipline", nonce="0apWyBGB50L/H3KEQH/LS8uJKWfAqxXV", algorithm=MD5
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[4] REGISTER sip:titan-pub.sipnet5.com SIP/2.0

Via: SIP/2.0/UDP 5.5.5.7:55392;branch=z9hG4bK-d87543-5e1dce737c7f1f26-1--d87543-;rport
Max-Forwards: 70
Contact: <sip:3881070@5.5.5.7:55392;rinstance=64c34f0b343dc66a>
To: "3881070"<sip:3881070@titan-pub.sipnet5.com>
From: "3881070"<sip:3881070@titan-pub.sipnet5.com>;tag=e6239a18
Call-ID: 8d50055495037b6bNGE1MjNkMTdhMDdjZjFiNDk2Y2RiYTE3YTM1OWMwY2M.
CSeq: 2 REGISTER
Expires: 300
Allow: INVITE, ACK, CANCEL, OPTIONS, BYE, REFER, NOTIFY, MESSAGE, SUBSCRIBE, INFO
User-Agent: eyeBeam release 1003l stamp 30936
Authorization: Digest
username="eyebeam", realm="ccmsipline", nonce="0apWyBGB50L/H3KEQH/LS8uJKWfAqxXV", uri="sip:titan-pub.sipnet5.com", response="7df078a550945be00d3fd7d12cdbee93", algorithm=MD5
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[5] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.7:55392;branch=z9hG4bK-d87543-5e1dce737c7f1f26-1--d87543-;rport
From: "3881070"<sip:3881070@titan-pub.sipnet5.com>;tag=e6239a18
To: "3881070"<sip:3881070@titan-pub.sipnet5.com>;tag=1244891505
Date: Thu, 14 Jun 2007 14:30:14 GMT
Call-ID: 8d50055495037b6bNGE1MjNkMTdhMDdjZjFiNDk2Y2RiYTE3YTM1OWMwY2M.
CSeq: 2 REGISTER
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[6] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.7:55392;branch=z9hG4bK-d87543-5e1dce737c7f1f26-1--d87543-;rport
From: "3881070"<sip:3881070@titan-pub.sipnet5.com>;tag=e6239a18
To: "3881070"<sip:3881070@titan-pub.sipnet5.com>;tag=1244891505
Date: Thu, 14 Jun 2007 14:30:14 GMT
Call-ID: 8d50055495037b6bNGE1MjNkMTdhMDdjZjFiNDk2Y2RiYTE3YTM1OWMwY2M.
CSeq: 2 REGISTER
Expires: 120
Contact: <sip:3881070@5.5.5.7:55392;rinstance=64c34f0b343dc66a>
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[7] NOTIFY sip:3881070@5.5.5.7:55392;rinstance=64c34f0b343dc66a SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfC26716633b
From: <sip:3881070@5.5.5.45>;tag=1199713159
To: <sip:3881070@5.5.5.7>
Call-ID: c271e480-671150f6-1f49-2d050505@5.5.5.45

CSeq: 101 NOTIFY
 Max-Forwards: 70
 Date: Thu, 14 Jun 2007 14:30:14 GMT
 User-Agent: Cisco-CCM6.0
 Event: message-summary
 Subscription-State: active
 Contact: <sip:3881070@5.5.5.45:5060>
 Content-Type: application/simple-message-summary
 Content-Length: 22

Messages-Waiting: no

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[8] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfc26716633b
 Contact: <sip:5.5.5.7:55392>
 To: <sip:3881070@5.5.5.7>;tag=852da32a
 From: <sip:3881070@5.5.5.45>;tag=1199713159
 Call-ID: c271e480-671150f6-1f49-2d050505@5.5.5.45
 CSeq: 101 NOTIFY
 User-Agent: eyeBeam release 1003l stamp 30936
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[9] REGISTER sip:titan-pub.sipnet5.com SIP/2.0

Via: SIP/2.0/UDP 5.5.5.7:55392;branch=z9hG4bK-d87543-8a12f3675112352f-1--d87543-;rport
 Max-Forwards: 70
 Contact: <sip:3881070@5.5.5.7:55392;rinstance=64c34f0b343dc66a>
 To: "3881070"<sip:3881070@titan-pub.sipnet5.com>
 From: "3881070"<sip:3881070@titan-pub.sipnet5.com>;tag=e6239a18
 Call-ID: 8d50055495037b6bNGE1MjNkMTdhMDdjZjFiNDk2Y2RiYTE3YTM1OWMwY2M.
 CSeq: 3 REGISTER
 Expires: 300
 Allow: INVITE, ACK, CANCEL, OPTIONS, BYE, REFER, NOTIFY, MESSAGE, SUBSCRIBE, INFO
 User-Agent: eyeBeam release 1003l stamp 30936
 Authorization: Digest
 username="eyebeam", realm="ccmsipline", nonce="0apWyBGB50L/H3KEQH/LS8uJKWfAqxXV", uri="sip:titan-pub.sipnet5.com", response="7df078a550945be00d3fd7d12cdbee93", algorithm=MD5
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[10] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.7:55392;branch=z9hG4bK-d87543-8a12f3675112352f-1--d87543-;rport
 From: "3881070"<sip:3881070@titan-pub.sipnet5.com>;tag=e6239a18
 To: "3881070"<sip:3881070@titan-pub.sipnet5.com>
 Date: Thu, 14 Jun 2007 14:32:02 GMT
 Call-ID: 8d50055495037b6bNGE1MjNkMTdhMDdjZjFiNDk2Y2RiYTE3YTM1OWMwY2M.
 CSeq: 3 REGISTER
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[11] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.7:55392;branch=z9hG4bK-d87543-8a12f3675112352f-1--d87543-;rport
 From: "3881070"<sip:3881070@titan-pub.sipnet5.com>;tag=e6239a18
 To: "3881070"<sip:3881070@titan-pub.sipnet5.com>;tag=1178190180
 Date: Thu, 14 Jun 2007 14:32:02 GMT
 Call-ID: 8d50055495037b6bNGE1MjNkMTdhMDdjZjFiNDk2Y2RiYTE3YTM1OWMwY2M.
 CSeq: 3 REGISTER
 Expires: 120
 Contact: <sip:3881070@5.5.5.7:55392;rinstance=64c34f0b343dc66a>
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[12] REGISTER sip:titan-pub.sipnet5.com SIP/2.0

Via: SIP/2.0/UDP 5.5.5.7:55392;branch=z9hG4bK-d87543-455ea31e86335f6b-1--d87543-;rport
 Max-Forwards: 70
 Contact: <sip:3881070@5.5.5.7:55392;rinstance=64c34f0b343dc66a>
 To: "3881070"<sip:3881070@titan-pub.sipnet5.com>
 From: "3881070"<sip:3881070@titan-pub.sipnet5.com>;tag=e6239a18
 Call-ID: 8d50055495037b6bNGE1MjNkMTdhMDdjZjFiNDk2Y2RiYTE3YTM1OWMwY2M.
 CSeq: 4 REGISTER
 Expires: 300
 Allow: INVITE, ACK, CANCEL, OPTIONS, BYE, REFER, NOTIFY, MESSAGE, SUBSCRIBE, INFO
 User-Agent: eyeBeam release 1003l stamp 30936
 Authorization: Digest
 username="eyebeam", realm="ccmsipline", nonce="0apWyBGB50L/H3KEQH/LS8uJKWfAqxXV", uri="sip:titan-pub.sipnet5.com", response="7df078a550945be00d3fd7d12cdbee93", algorithm=MD5
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[13] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.7:55392;branch=z9hG4bK-d87543-455ea31e86335f6b-1--d87543-;rport
From: "3881070"<sip:3881070@titan-pub.sipnet5.com>;tag=e6239a18
To: "3881070"<sip:3881070@titan-pub.sipnet5.com>
Date: Thu, 14 Jun 2007 14:33:50 GMT
Call-ID: 8d50055495037b6bNGE1MjNkMTdhMDdjZjFiNDk2Y2RiYTE3YTM1OWMwY2M.
CSeq: 4 REGISTER
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[14] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.7:55392;branch=z9hG4bK-d87543-455ea31e86335f6b-1--d87543-;rport
From: "3881070"<sip:3881070@titan-pub.sipnet5.com>;tag=e6239a18
To: "3881070"<sip:3881070@titan-pub.sipnet5.com>;tag=842089964
Date: Thu, 14 Jun 2007 14:33:50 GMT
Call-ID: 8d50055495037b6bNGE1MjNkMTdhMDdjZjFiNDk2Y2RiYTE3YTM1OWMwY2M.
CSeq: 4 REGISTER
Expires: 120
Contact: <sip:3881070@5.5.5.7:55392;rinstance=64c34f0b343dc66a>
Content-Length: 0

1.2 Register SIP 3rd-Party Phone (Polycom) with 3 lines

Title: Register SIP 3rd-Party Phone (Polycom) with 3 lines

Description:

This is the register sequence for a Polycom 3rd-party SIP phone configured with 3 lines. In order to find the device entry in the Cisco Unified CM database, the phone must be identified by the HTTP digest user ID. Therefore, the Unified CM challenges the register to get the Authorization header containing the digest user ID (polycom). This happens for all 3rd-party phones regardless of whether the SIP Phone Security Profile is configured with digest authorization. The digest user ID must be configured as an End User in the database and associated with the device in the Digest User field of the Phone Configuration page. Also note that each user ID can be associated with only one device when used for 3rd-party configuration.

Configuration:

Node = Unified CM, IP = 5.5.5.45

Phone = V, Line = 3881000-3881002, IP = 5.5.5.200, Model = 3rd-Party

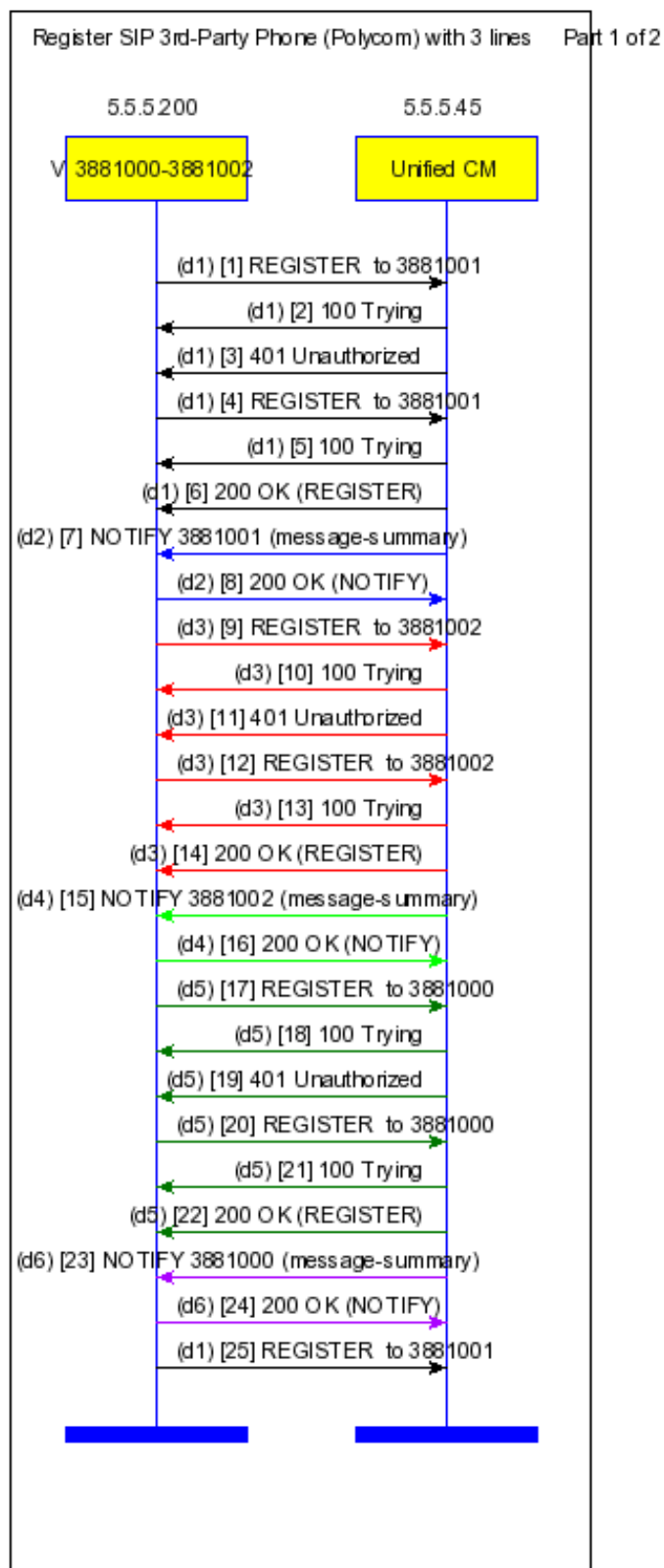
Scenario:

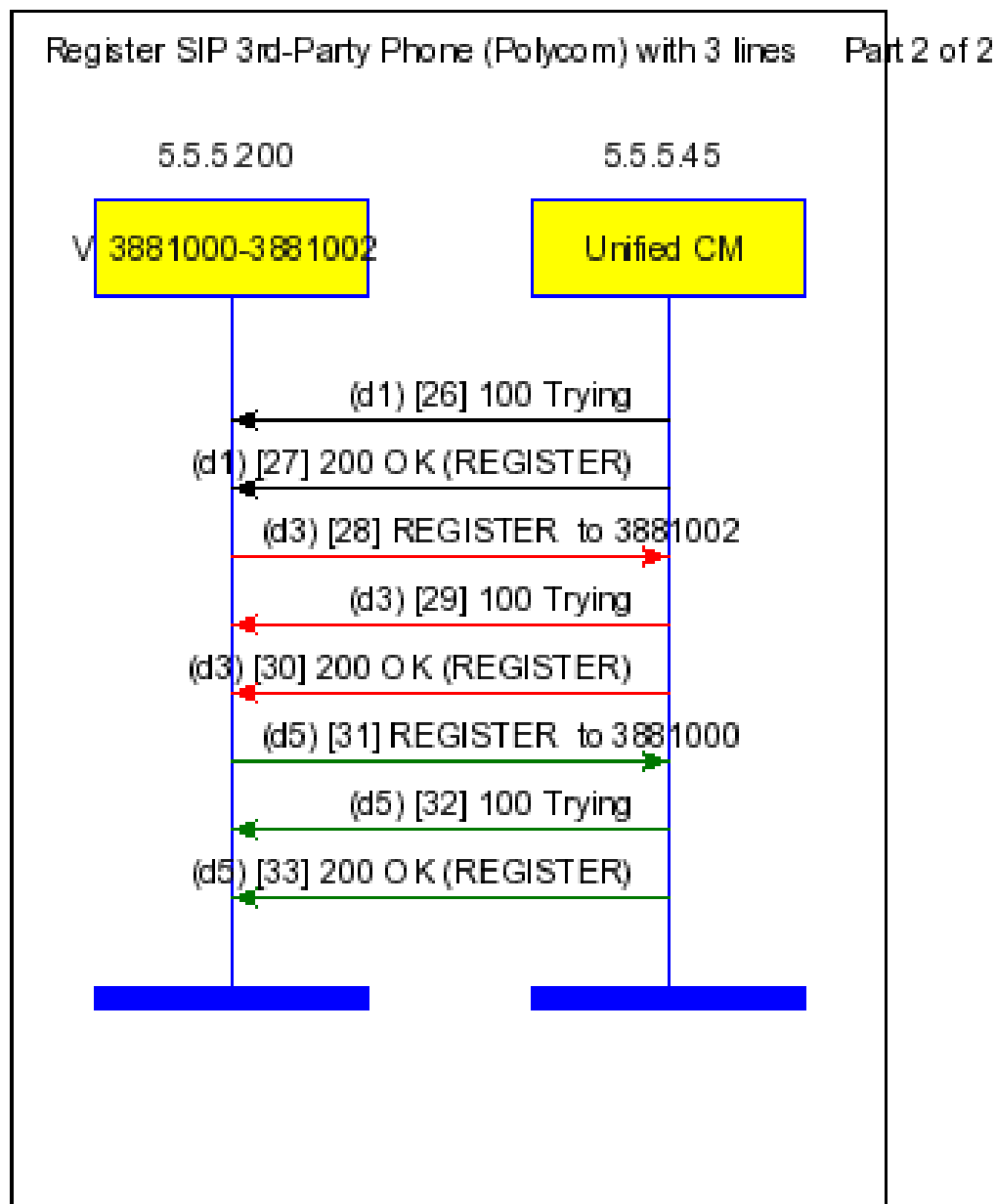
Lines 3881000-3881002 register with Unified CM

Unified CM challenges line 3881000 register

Unified CM sends MWI status

After 120 sec, Line 3881000 sends a register refresh to Unified CM (keepalive)





[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[1] REGISTER sip:titan-pub:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.200;branch=z9hG4bK6f1d7e72A189DD71
 From: "3881001" <sip:3881001@titan-pub>;tag=31585CAE-27CD6CCB
 To: <sip:3881001@titan-pub>
 CSeq: 2950 REGISTER
 Call-ID: cb7a8fca-ea284e84-9c66e829@5.5.5.200
 Contact: <sip:3881001@5.5.5.200>;methods="INVITE, ACK, BYE, CANCEL, OPTIONS, INFO, MESSAGE, SUBSCRIBE, NOTIFY, PRACK, UPDATE, REFER"
 User-Agent: PolycomSoundPointIP-SPIP_501-UA/1.6.3.0067
 Max-Forwards: 70
 Expires: 120
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[2] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.200;branch=z9hG4bK6f1d7e72A189DD71
 From: "3881001" <sip:3881001@titan-pub>;tag=31585CAE-27CD6CCB
 To: <sip:3881001@titan-pub>
 Date: Thu, 14 Jun 2007 14:38:27 GMT
 Call-ID: cb7a8fca-ea284e84-9c66e829@5.5.5.200
 CSeq: 2950 REGISTER
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[3] SIP/2.0 401 Unauthorized

Via: SIP/2.0/UDP 5.5.5.200;branch=z9hG4bK6f1d7e72A189DD71
 From: "3881001" <sip:3881001@titan-pub>;tag=31585CAE-27CD6CCB
 To: <sip:3881001@titan-pub>;tag=946244775
 Date: Thu, 14 Jun 2007 14:38:27 GMT
 Call-ID: cb7a8fca-ea284e84-9c66e829@5.5.5.200
 CSeq: 2950 REGISTER
 WWW-Authenticate: Digest realm="ccmsipline", nonce="mu/oy5oYCYVYgLuLBkT5fP4WYeFxLbs7", algorithm=MD5
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[4] REGISTER sip:titan-pub:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.200;branch=z9hG4bK852694ecc50438D3
 From: "3881001" <sip:3881001@titan-pub>;tag=31585CAE-27CD6CCB
 To: <sip:3881001@titan-pub>
 CSeq: 2951 REGISTER
 Call-ID: cb7a8fca-ea284e84-9c66e829@5.5.5.200
 Contact: <sip:3881001@5.5.5.200>;methods="INVITE, ACK, BYE, CANCEL, OPTIONS, INFO, MESSAGE, SUBSCRIBE, NOTIFY, PRACK, UPDATE, REFER"
 User-Agent: PolycomSoundPointIP-SPIP_501-UA/1.6.3.0067
 Authorization: Digest username="polycom", realm="ccmsipline", nonce="mu/oy5oYCYVYgLuLBkT5fP4WYeFxLbs7", uri="sip:titan-pub:5060", response="75954df77373dda5d6ebd163d24946fb", algorithm=MD5
 Max-Forwards: 70
 Expires: 120
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[5] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.200;branch=z9hG4bK852694ecc50438D3
 From: "3881001" <sip:3881001@titan-pub>;tag=31585CAE-27CD6CCB
 To: <sip:3881001@titan-pub>;tag=946244775
 Date: Thu, 14 Jun 2007 14:38:28 GMT
 Call-ID: cb7a8fca-ea284e84-9c66e829@5.5.5.200
 CSeq: 2951 REGISTER
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[6] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.200;branch=z9hG4bK852694ecc50438D3
 From: "3881001" <sip:3881001@titan-pub>;tag=31585CAE-27CD6CCB
 To: <sip:3881001@titan-pub>;tag=946244775
 Date: Thu, 14 Jun 2007 14:38:28 GMT
 Call-ID: cb7a8fca-ea284e84-9c66e829@5.5.5.200
 CSeq: 2951 REGISTER
 Expires: 120
 Contact: <sip:3881001@5.5.5.200>;methods="INVITE, ACK, BYE, CANCEL, OPTIONS, INFO, MESSAGE, SUBSCRIBE, NOTIFY, PRACK, UPDATE, REFER"
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[7] NOTIFY sip:3881001@5.5.5.200 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfc37a43e94c
 From: <sip:3881001@5.5.5.45>;tag=535633580
 To: <sip:3881001@5.5.5.200>
 Call-ID: e8e44f80-671152e4-1f4f-2d050505@5.5.5.45

CSeq: 101 NOTIFY
 Max-Forwards: 70
 Date: Thu, 14 Jun 2007 14:38:28 GMT
 User-Agent: Cisco-CCM6.0
 Event: message-summary
 Subscription-State: active
 Contact: <sip:3881001@5.5.5.45:5060>
 Content-Type: application/simple-message-summary
 Content-Length: 22

Messages-Waiting: no

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[8] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfc37a43e94c
 From: <sip:3881001@5.5.5.45>;tag=535633580
 To: <sip:3881001@5.5.5.200>;tag=60E8B65-B02174D6
 CSeq: 101 NOTIFY
 Call-ID: e8e44f80-671152e4-1f4f-2d050505@5.5.5.45
 Contact: <sip:3881001@5.5.5.200>
 Event: message-summary
 User-Agent: PolycomSoundPointIP-SPIP_501-UA/1.6.3.0067
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[9] REGISTER sip:titan-pub:5060;transport=udp SIP/2.0

Via: SIP/2.0/UDP 5.5.5.200;branch=z9hG4bKb4bb50b0BA4B91A7
 From: "3881002" <sip:3881002@titan-pub>;tag=80791F07-87FAB690
 To: <sip:3881002@titan-pub>
 CSeq: 2949 REGISTER
 Call-ID: 87904c33-85928fc5-1b1da5b6@5.5.5.200
 Contact: <sip:3881002@5.5.5.200;transport=udp>;methods="INVITE, ACK, BYE, CANCEL, OPTIONS, INFO, MESSAGE, SUBSCRIBE, NOTIFY, PRACK, UPDATE, REFER"
 User-Agent: PolycomSoundPointIP-SPIP_501-UA/1.6.3.0067
 Max-Forwards: 70
 Expires: 120
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[10] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.200;branch=z9hG4bKb4bb50b0BA4B91A7
 From: "3881002" <sip:3881002@titan-pub>;tag=80791F07-87FAB690
 To: <sip:3881002@titan-pub>
 Date: Thu, 14 Jun 2007 14:38:33 GMT
 Call-ID: 87904c33-85928fc5-1b1da5b6@5.5.5.200
 CSeq: 2949 REGISTER
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[11] SIP/2.0 401 Unauthorized

Via: SIP/2.0/UDP 5.5.5.200;branch=z9hG4bKb4bb50b0BA4B91A7
 From: "3881002" <sip:3881002@titan-pub>;tag=80791F07-87FAB690
 To: <sip:3881002@titan-pub>;tag=1391760923
 Date: Thu, 14 Jun 2007 14:38:33 GMT
 Call-ID: 87904c33-85928fc5-1b1da5b6@5.5.5.200
 CSeq: 2949 REGISTER
 WWW-Authenticate: Digest realm="ccmsipline", nonce="mu/oy5oYCYVYgLuLBkT5fP4wYefXlbs7", algorithm=MD5
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[12] REGISTER sip:titan-pub:5060;transport=udp SIP/2.0

Via: SIP/2.0/UDP 5.5.5.200;branch=z9hG4bKd10596faA6A53419
 From: "3881002" <sip:3881002@titan-pub>;tag=80791F07-87FAB690
 To: <sip:3881002@titan-pub>
 CSeq: 2950 REGISTER
 Call-ID: 87904c33-85928fc5-1b1da5b6@5.5.5.200
 Contact: <sip:3881002@5.5.5.200;transport=udp>;methods="INVITE, ACK, BYE, CANCEL, OPTIONS, INFO, MESSAGE, SUBSCRIBE, NOTIFY, PRACK, UPDATE, REFER"
 User-Agent: PolycomSoundPointIP-SPIP_501-UA/1.6.3.0067
 Authorization: Digest username="polycom", realm="ccmsipline", nonce="mu/oy5oYCYVYgLuLBkT5fP4wYefXlbs7", uri="sip:titan-pub:5060;transport=udp", response="ec46c2e70bf3640f44c34e6331f4d2b8", algorithm=MD5
 Max-Forwards: 70
 Expires: 120
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[13] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.200;branch=z9hG4bKd10596faA6A53419
 From: "3881002" <sip:3881002@titan-pub>;tag=80791F07-87FAB690
 To: <sip:3881002@titan-pub>;tag=1391760923

Date: Thu, 14 Jun 2007 14:38:33 GMT
 Call-ID: 87904c33-85928fc5-1b1da5b6@5.5.5.200
 CSeq: 2950 REGISTER
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[14] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.200;branch=z9hG4bKd10596faA6A53419
 From: "3881002" <sip:3881002@titan-pub>;tag=80791F07-87FAB690
 To: <sip:3881002@titan-pub>;tag=1391760923
 Date: Thu, 14 Jun 2007 14:38:33 GMT
 Call-ID: 87904c33-85928fc5-1b1da5b6@5.5.5.200
 CSeq: 2950 REGISTER
 Expires: 120
 Contact: <sip:3881002@5.5.5.200;transport=udp>;methods="INVITE, ACK, BYE, CANCEL, OPTIONS, INFO, MESSAGE, SUBSCRIBE, NOTIFY, PRACK, UPDATE, REFER"
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[15] NOTIFY sip:3881002@5.5.5.200;transport=udp SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfc447e85c2
 From: <sip:3881002@5.5.5.45>;tag=434947220
 To: <sip:3881002@5.5.5.200>
 Call-ID: ebdf4000-671152e9-1f51-2d050505@5.5.5.45
 CSeq: 101 NOTIFY
 Max-Forwards: 70
 Date: Thu, 14 Jun 2007 14:38:33 GMT
 User-Agent: Cisco-CCM6.0
 Event: message-summary
 Subscription-State: active
 Contact: <sip:3881002@5.5.5.45:5060>
 Content-Type: application/simple-message-summary
 Content-Length: 22

Messages-Waiting: no

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[16] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfc447e85c2
 From: <sip:3881002@5.5.5.45>;tag=434947220
 To: <sip:3881002@5.5.5.200>;tag=AEFCA73B-200F9234
 CSeq: 101 NOTIFY
 Call-ID: ebdf4000-671152e9-1f51-2d050505@5.5.5.45
 Contact: <sip:3881002@5.5.5.200>
 Event: message-summary
 User-Agent: PolycomSoundPointIP-SPIP_501-UA/1.6.3.0067
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[17] REGISTER sip:titan-pub:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.200;branch=z9hG4bKa4c708deA2BD8B8D
 From: "3881000" <sip:3881000@titan-pub>;tag=56E95403-47C8325C
 To: <sip:3881000@titan-pub>
 CSeq: 2948 REGISTER
 Call-ID: d26aeef-3c4fe821-1628a562@5.5.5.200
 Contact: <sip:3881000@5.5.5.200>;methods="INVITE, ACK, BYE, CANCEL, OPTIONS, INFO, MESSAGE, SUBSCRIBE, NOTIFY, PRACK, UPDATE, REFER"
 User-Agent: PolycomSoundPointIP-SPIP_501-UA/1.6.3.0067
 Max-Forwards: 70
 Expires: 120
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[18] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.200;branch=z9hG4bKa4c708deA2BD8B8D
 From: "3881000" <sip:3881000@titan-pub>;tag=56E95403-47C8325C
 To: <sip:3881000@titan-pub>
 Date: Thu, 14 Jun 2007 14:38:34 GMT
 Call-ID: d26aeef-3c4fe821-1628a562@5.5.5.200
 CSeq: 2948 REGISTER
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[19] SIP/2.0 401 Unauthorized

Via: SIP/2.0/UDP 5.5.5.200;branch=z9hG4bKa4c708deA2BD8B8D
 From: "3881000" <sip:3881000@titan-pub>;tag=56E95403-47C8325C
 To: <sip:3881000@titan-pub>;tag=1022643605
 Date: Thu, 14 Jun 2007 14:38:34 GMT
 Call-ID: d26aeef-3c4fe821-1628a562@5.5.5.200
 CSeq: 2948 REGISTER

WWW-Authenticate: Digest realm="ccmsipline", nonce="mu/oy5oYCYVYgLuLBkT5fP4WYeFxLbs7", algorithm=MD5
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[20] REGISTER sip:titan-pub:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.200;branch=z9hG4bKdfc7dd78649C0D8F
From: "3881000" <sip:3881000@titan-pub>;tag=56E95403-47C8325C
To: <sip:3881000@titan-pub>
CSeq: 2949 REGISTER
Call-ID: d26aeef-3c4fe821-1628a562@5.5.5.200
Contact: <sip:3881000@5.5.5.200>;methods="INVITE, ACK, BYE, CANCEL, OPTIONS, INFO, MESSAGE, SUBSCRIBE, NOTIFY, PRACK, UPDATE, REFER"
User-Agent: PolycomSoundPointIP-SPIP_501-UA/1.6.3.0067
Authorization: Digest username="polycom", realm="ccmsipline", nonce="mu/oy5oYCYVYgLuLBkT5fP4WYeFxLbs7", uri="sip:titan-pub:5060", response="75954df77373dda5d6ebd163d24946fb", algorithm=MD5
Max-Forwards: 70
Expires: 120
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[21] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.200;branch=z9hG4bKdfc7dd78649C0D8F
From: "3881000" <sip:3881000@titan-pub>;tag=56E95403-47C8325C
To: <sip:3881000@titan-pub>;tag=1022643605
Date: Thu, 14 Jun 2007 14:38:34 GMT
Call-ID: d26aeef-3c4fe821-1628a562@5.5.5.200
CSeq: 2949 REGISTER
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[22] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.200;branch=z9hG4bKdfc7dd78649C0D8F
From: "3881000" <sip:3881000@titan-pub>;tag=56E95403-47C8325C
To: <sip:3881000@titan-pub>;tag=1022643605
Date: Thu, 14 Jun 2007 14:38:34 GMT
Call-ID: d26aeef-3c4fe821-1628a562@5.5.5.200
CSeq: 2949 REGISTER
Expires: 120
Contact: <sip:3881000@5.5.5.200>;methods="INVITE, ACK, BYE, CANCEL, OPTIONS, INFO, MESSAGE, SUBSCRIBE, NOTIFY, PRACK, UPDATE, REFER"
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[23] NOTIFY sip:3881000@5.5.5.200 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfc5565e838a
From: <sip:3881000@5.5.5.45>;tag=188693056
To: <sip:3881000@5.5.5.200>
Call-ID: ec77d680-671152ea-1f53-2d050505@5.5.5.45
CSeq: 101 NOTIFY
Max-Forwards: 70
Date: Thu, 14 Jun 2007 14:38:34 GMT
User-Agent: Cisco-CCM6.0
Event: message-summary
Subscription-State: active
Contact: <sip:3881000@5.5.5.45:5060>
Content-Type: application/simple-message-summary
Content-Length: 22

Messages-Waiting: no

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[24] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfc5565e838a
From: <sip:3881000@5.5.5.45>;tag=188693056
To: <sip:3881000@5.5.5.200>;tag=5A8605C1-2382AE82
CSeq: 101 NOTIFY
Call-ID: ec77d680-671152ea-1f53-2d050505@5.5.5.45
Contact: <sip:3881000@5.5.5.200>
Event: message-summary
User-Agent: PolycomSoundPointIP-SPIP_501-UA/1.6.3.0067
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[25] REGISTER sip:titan-pub:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.200;branch=z9hG4bKe3e2767c638F18A3
From: "3881001" <sip:3881001@titan-pub>;tag=31585CAE-27CD6CCB
To: <sip:3881001@titan-pub>
CSeq: 2952 REGISTER
Call-ID: cb7a8fca-ea284e84-9c66e829@5.5.5.200
Contact: <sip:3881001@5.5.5.200>;methods="INVITE, ACK, BYE, CANCEL, OPTIONS, INFO, MESSAGE, SUBSCRIBE,

NOTIFY, PRACK, UPDATE, REFER"

User-Agent: PolycomSoundPointIP-SPIP_501-UA/1.6.3.0067

Authorization: Digest username="polycom", realm="ccmsipline", nonce="mu/oy5oYCYVYgLu1BkT5fP4WYeFxLbs7", uri="sip:titan-pub:5060", response="75954df77373dda5d6ebd163d24946fb", algorithm=MD5

Max-Forwards: 70

Expires: 120

Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[26] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.200;branch=z9hG4bKe3e2767c638F18A3

From: "3881001" <sip:3881001@titan-pub>;tag=31585CAE-27CD6CCB

To: <sip:3881001@titan-pub>

Date: Thu, 14 Jun 2007 14:39:28 GMT

Call-ID: cb7a8fca-ea284e84-9c66e829@5.5.5.200

CSeq: 2952 REGISTER

Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[27] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.200;branch=z9hG4bKe3e2767c638F18A3

From: "3881001" <sip:3881001@titan-pub>;tag=31585CAE-27CD6CCB

To: <sip:3881001@titan-pub>;tag=182868802

Date: Thu, 14 Jun 2007 14:39:28 GMT

Call-ID: cb7a8fca-ea284e84-9c66e829@5.5.5.200

CSeq: 2952 REGISTER

Expires: 120

Contact: <sip:3881001@5.5.5.200>;methods="INVITE, ACK, BYE, CANCEL, OPTIONS, INFO, MESSAGE, SUBSCRIBE, NOTIFY, PRACK, UPDATE, REFER"

Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[28] REGISTER sip:titan-pub:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.200;branch=z9hG4bK72592be6B45FD6B5

From: "3881002" <sip:3881002@titan-pub>;tag=80791F07-87FAB690

To: <sip:3881002@titan-pub>

CSeq: 2951 REGISTER

Call-ID: 87904c33-85928fc5-1b1da5b6@5.5.5.200

Contact: <sip:3881002@5.5.5.200>;methods="INVITE, ACK, BYE, CANCEL, OPTIONS, INFO, MESSAGE, SUBSCRIBE, NOTIFY, PRACK, UPDATE, REFER"

User-Agent: PolycomSoundPointIP-SPIP_501-UA/1.6.3.0067

Authorization: Digest username="polycom", realm="ccmsipline", nonce="mu/oy5oYCYVYgLu1BkT5fP4WYeFxLbs7", uri="sip:titan-pub:5060;transport=udp", response="ec46c2e70bf3640f44c34e6331f4d2b8", algorithm=MD5

Max-Forwards: 70

Expires: 120

Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[29] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.200;branch=z9hG4bK72592be6B45FD6B5

From: "3881002" <sip:3881002@titan-pub>;tag=80791F07-87FAB690

To: <sip:3881002@titan-pub>

Date: Thu, 14 Jun 2007 14:39:33 GMT

Call-ID: 87904c33-85928fc5-1b1da5b6@5.5.5.200

CSeq: 2951 REGISTER

Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[30] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.200;branch=z9hG4bK72592be6B45FD6B5

From: "3881002" <sip:3881002@titan-pub>;tag=80791F07-87FAB690

To: <sip:3881002@titan-pub>;tag=1965483467

Date: Thu, 14 Jun 2007 14:39:33 GMT

Call-ID: 87904c33-85928fc5-1b1da5b6@5.5.5.200

CSeq: 2951 REGISTER

Expires: 120

Contact: <sip:3881002@5.5.5.200>;methods="INVITE, ACK, BYE, CANCEL, OPTIONS, INFO, MESSAGE, SUBSCRIBE, NOTIFY, PRACK, UPDATE, REFER"

Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[31] REGISTER sip:titan-pub:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.200;branch=z9hG4bKe4fb61409F6FDC77

From: "3881000" <sip:3881000@titan-pub>;tag=56E95403-47C8325C

To: <sip:3881000@titan-pub>

CSeq: 2950 REGISTER

Call-ID: d26aeef-3c4fe821-1628a562@5.5.5.200

Contact: <sip:3881000@5.5.5.200>;methods="INVITE, ACK, BYE, CANCEL, OPTIONS, INFO, MESSAGE, SUBSCRIBE, NOTIFY, PRACK, UPDATE, REFER"

User-Agent: PolycomSoundPointIP-SPIP_501-UA/1.6.3.0067

Authorization: Digest username="polycom", realm="ccmsipline", nonce="mu/oy5oYCYVYgLu1BkT5fP4WYeFLbs7",
uri="sip:titan-pub:5060", response="75954df77373dda5d6ebd163d24946fb", algorithm=MD5
Max-Forwards: 70
Expires: 120
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[32] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.200;branch=z9hG4bKe4fb61409F6FDC77
From: "3881000" <sip:3881000@titan-pub>;tag=56E95403-47C8325C
To: <sip:3881000@titan-pub>
Date: Thu, 14 Jun 2007 14:39:34 GMT
Call-ID: d26aeef-3c4fe821-1628a562@5.5.5.200
CSeq: 2950 REGISTER
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[33] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.200;branch=z9hG4bKe4fb61409F6FDC77
From: "3881000" <sip:3881000@titan-pub>;tag=56E95403-47C8325C
To: <sip:3881000@titan-pub>;tag=2124471919
Date: Thu, 14 Jun 2007 14:39:34 GMT
Call-ID: d26aeef-3c4fe821-1628a562@5.5.5.200
CSeq: 2950 REGISTER
Expires: 120
Contact: <sip:3881000@5.5.5.200>;methods="INVITE, ACK, BYE, CANCEL, OPTIONS, INFO, MESSAGE, SUBSCRIBE, NOTIFY, PRACK, UPDATE, REFER"
Content-Length: 0

2. Basic Call

2.1 Basic Call - SIP Basic calls SIP Basic

Title: Basic Call - SIP Basic calls SIP Basic

Description:

A SIP Basic phone calls another SIP Basic phone.

Configuration:

Node = Unified CM, IP = 5.5.5.45

Phone = G, Line = 3034010, IP = 5.5.5.240, Model = SIP Basic

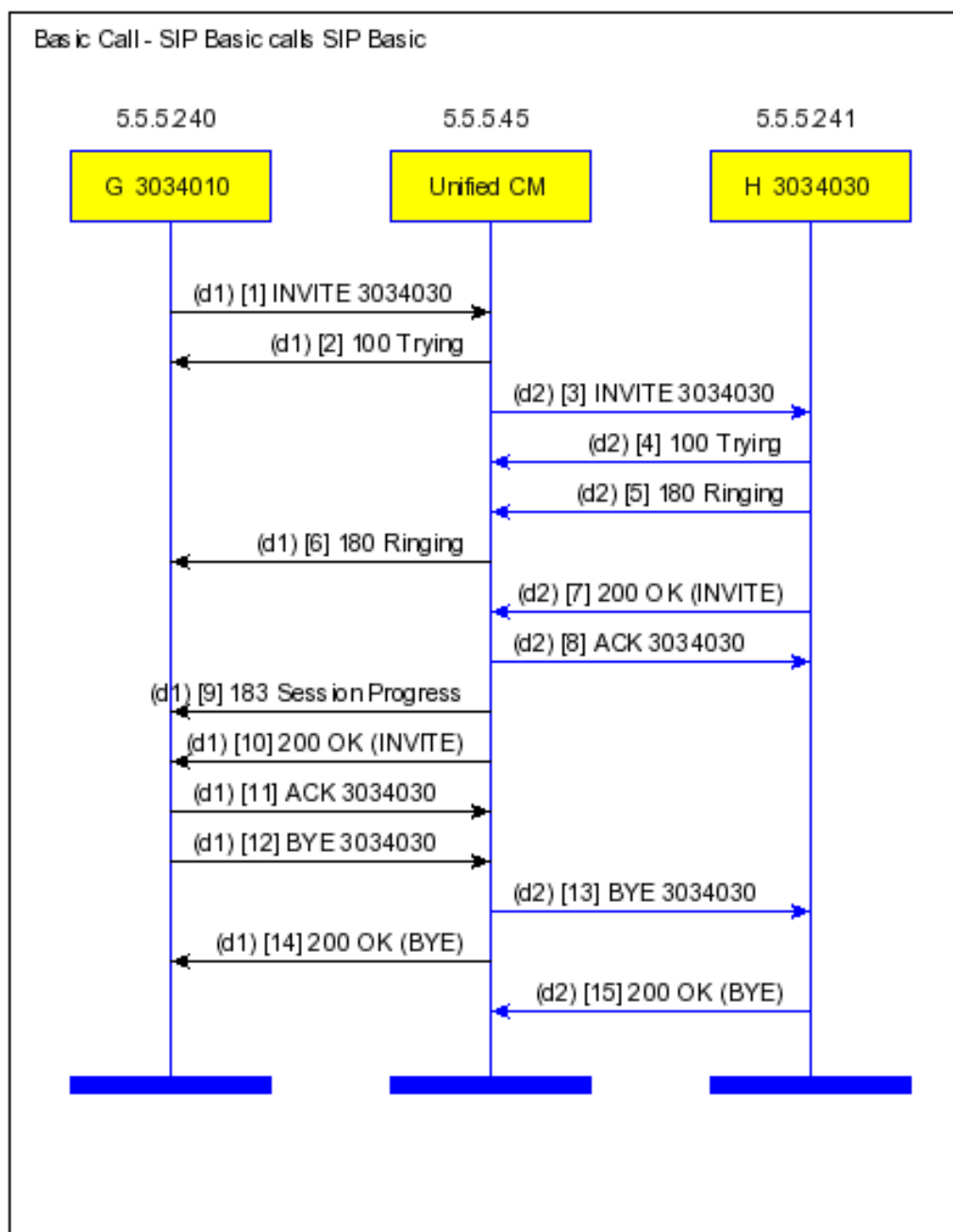
Phone = H, Line = 3034030, IP = 5.5.5.241, Model = SIP Basic

Scenario:

3034010 calls 3034030

3034030 answers

3034010 goes onhook



[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[1] INVITE sip:30340300@5.5.5.45 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK1a4b826e
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0004764b6926-51c2a694
 To: <sip:30340300@5.5.5.45>
 Call-ID: 001a2f8d-f17f0004-0312383b-59922d9c@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 19:49:05 GMT
 CSeq: 101 INVITE
 User-Agent: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Expires: 180
 Accept: application/sdp
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 16447 0 IN IP4 5.5.5.240
 s=SIP Call
 t=0 0
 m=audio 22010 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.240
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[2] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK1a4b826e
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0004764b6926-51c2a694
 To: <sip:30340300@5.5.5.45>
 Date: Wed, 13 Jun 2007 19:49:05 GMT
 Call-ID: 001a2f8d-f17f0004-0312383b-59922d9c@5.5.5.240
 CSeq: 101 INVITE
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[3] INVITE sip:30340300@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKebc7d7b0057
 Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992550
 To: <sip:30340300@5.5.5.241>
 Date: Wed, 13 Jun 2007 19:49:05 GMT
 Call-ID: 22ff1400-67014a31-14bf-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 101 INVITE
 Expires: 180
 Allow-Events: presence
 Alert-Info: <file://Bellcore-dr1/>
 Contact: <sip:30340300@5.5.5.45:5060>
 Max-Forwards: 69
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[4] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKebc7d7b0057
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992550
 To: <sip:30340300@5.5.5.241>
 Call-ID: 22ff1400-67014a31-14bf-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 19:49:04 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:30340300@5.5.5.241:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034030" <sip:30340300@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[5] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKebc7d7b0057
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992550
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d600060dbf9a78-7a361dce
 Call-ID: 22ff1400-67014a31-14bf-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 19:49:04 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[6] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK1a4b826e
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0004764b6926-51c2a694
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992549
 Date: Wed, 13 Jun 2007 19:49:05 GMT
 Call-ID: 001a2f8d-f17f0004-0312383b-59922d9c@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[7] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKebc7d7b0057
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992550
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d600060dbf9a78-7a361dce
 Call-ID: 22ff1400-67014a31-14bf-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 19:49:05 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 15423 0 IN IP4 5.5.5.241
 s=SIP Call
 t=0 0
 m=audio 25266 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.241
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[8] ACK sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKebd703e3e06
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992550
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d600060dbf9a78-7a361dce
 Date: Wed, 13 Jun 2007 19:49:05 GMT
 Call-ID: 22ff1400-67014a31-14bf-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 101 ACK
 Allow-Events: presence
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.240
 t=0 0
 m=audio 22010 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[9] SIP/2.0 183 Session Progress

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK1a4b826e
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0004764b6926-51c2a694
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992549
 Date: Wed, 13 Jun 2007 19:49:05 GMT
 Call-ID: 001a2f8d-f17f0004-0312383b-59922d9c@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.241
 t=0 0
 m=audio 25266 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[10] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK1a4b826e
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0004764b6926-51c2a694
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992549
 Date: Wed, 13 Jun 2007 19:49:05 GMT
 Call-ID: 001a2f8d-f17f0004-0312383b-59922d9c@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Supported: replaces
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.241
 t=0 0
 m=audio 25266 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[11] ACK sip:3034030@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK304395b0
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0004764b6926-51c2a694
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992549
 Call-ID: 001a2f8d-f17f0004-0312383b-59922d9c@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 19:49:07 GMT
 CSeq: 101 ACK
 User-Agent: Cisco-CP7960G/7.5
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[12] BYE sip:3034030@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK4fc5b4f6
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0004764b6926-51c2a694
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992549
 Call-ID: 001a2f8d-f17f0004-0312383b-59922d9c@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 19:49:09 GMT
 CSeq: 102 BYE
 User-Agent: Cisco-CP7960G/7.5
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[13] BYE sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKebe30a15858
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992550
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d600060dbf9a78-7a361dce
Date: Wed, 13 Jun 2007 19:49:05 GMT
Call-ID: 22ff1400-67014a31-14bf-2d050505@5.5.5.45
User-Agent: Cisco-CCM6.0
Max-Forwards: 70
CSeq: 102 BYE
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[14] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK4fc5b4f6
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0004764b6926-51c2a694
To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992549
Date: Wed, 13 Jun 2007 19:49:09 GMT
Call-ID: 001a2f8d-f17f0004-0312383b-59922d9c@5.5.5.240
CSeq: 102 BYE
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[15] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKebe30a15858
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992550
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d600060dbf9a78-7a361dce
Call-ID: 22ff1400-67014a31-14bf-2d050505@5.5.5.45
Date: Wed, 13 Jun 2007 19:49:08 GMT
CSeq: 102 BYE
Server: Cisco-CP7960G/7.5
Content-Length: 0

2.2 Basic Call - SIP Basic phone calls an SCCP phone

Title: Basic Call - SIP Basic phone calls an SCCP phone

Description:

SIP Basic phone calls an SCCP phone.

Configuration:

Node = Unified CM, IP = 5.5.5.45

Phone = G, Line = 3034010, IP = 5.5.5.240, Model = SIP Basic

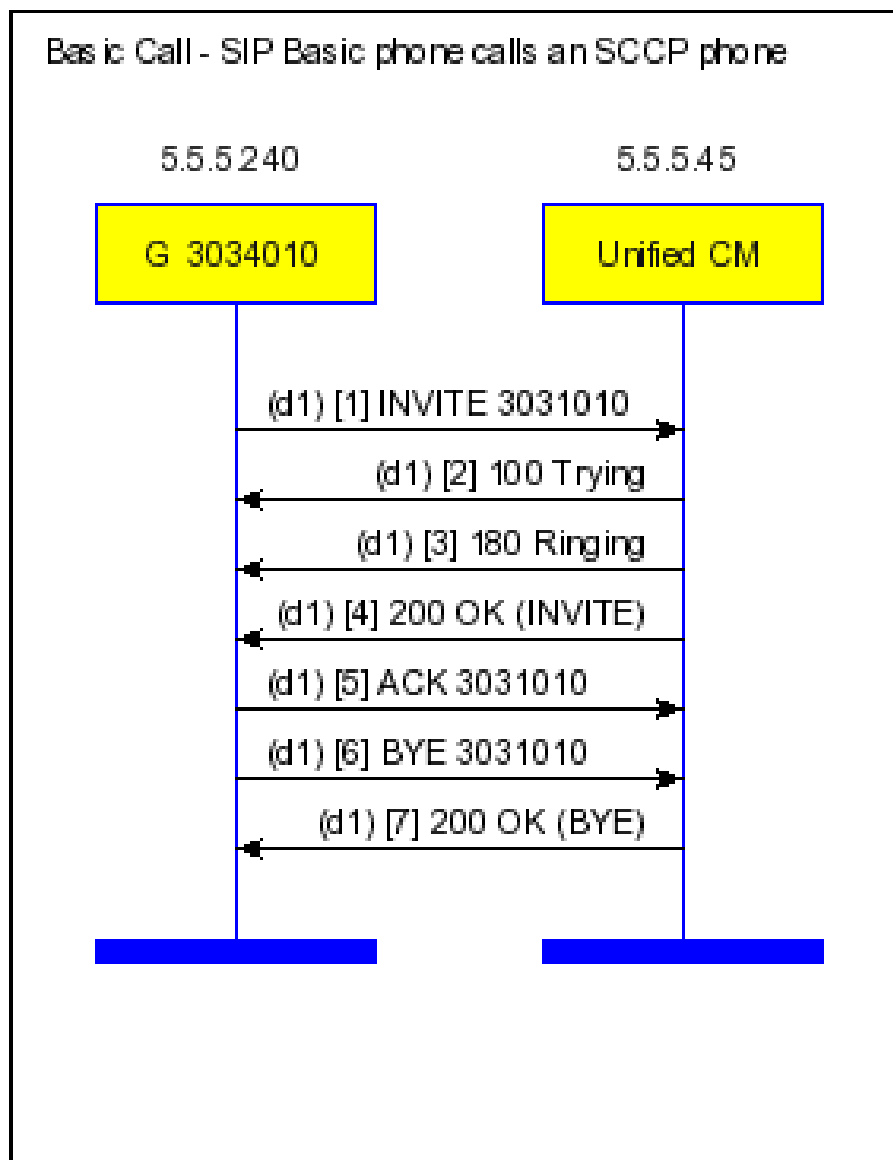
Phone = I, Line = 3031010, IP = 5.5.5.217, Model = SCCP

Scenario:

3034010 calls 3031010

3031010 answers

3034010 goes onhook



[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[1] INVITE sip:3031010@5.5.5.45 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK6540d674
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f000f6c4d7207-72b7fd28
 To: <sip:3031010@5.5.5.45>
 Call-ID: 001a2f8d-f17f000a-07419510-4b3046c8@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 20:17:15 GMT
 CSeq: 101 INVITE
 User-Agent: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Expires: 180
 Accept: application/sdp
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 248
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 4758 0 IN IP4 5.5.5.240
 s=SIP Call
 t=0 0
 m=audio 17872 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.240
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[2] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK6540d674
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f000f6c4d7207-72b7fd28
 To: <sip:3031010@5.5.5.45>
 Date: Wed, 13 Jun 2007 20:17:14 GMT
 Call-ID: 001a2f8d-f17f000a-07419510-4b3046c8@5.5.5.240
 CSeq: 101 INVITE
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[3] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK6540d674
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f000f6c4d7207-72b7fd28
 To: <sip:3031010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992575
 Date: Wed, 13 Jun 2007 20:17:14 GMT
 Call-ID: 001a2f8d-f17f000a-07419510-4b3046c8@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "Megan" <sip:3031010@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3031010@5.5.5.45:5060>
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[4] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK6540d674
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f000f6c4d7207-72b7fd28
 To: <sip:3031010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992575
 Date: Wed, 13 Jun 2007 20:17:14 GMT
 Call-ID: 001a2f8d-f17f000a-07419510-4b3046c8@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "Megan" <sip:3031010@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3031010@5.5.5.45:5060>
 Supported: replaces
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.217
 t=0 0
 m=audio 23010 RTP/AVP 0 101

```
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[5] ACK sip:3031010@5.5.5.45:5060 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK0d71f7b1
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f000f6c4d7207-72b7fd28
To: <sip:3031010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992575
Call-ID: 001a2f8d-f17f000a-07419510-4b3046c8@5.5.5.240
Max-Forwards: 70
Date: Wed, 13 Jun 2007 20:17:20 GMT
CSeq: 101 ACK
User-Agent: Cisco-CP7960G/7.5
Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[6] BYE sip:3031010@5.5.5.45:5060 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK1cf44192
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f000f6c4d7207-72b7fd28
To: <sip:3031010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992575
Call-ID: 001a2f8d-f17f000a-07419510-4b3046c8@5.5.5.240
Max-Forwards: 70
Date: Wed, 13 Jun 2007 20:17:23 GMT
CSeq: 102 BYE
User-Agent: Cisco-CP7960G/7.5
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[7] SIP/2.0 200 OK

```
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK1cf44192
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f000f6c4d7207-72b7fd28
To: <sip:3031010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992575
Date: Wed, 13 Jun 2007 20:17:22 GMT
Call-ID: 001a2f8d-f17f000a-07419510-4b3046c8@5.5.5.240
CSeq: 102 BYE
Content-Length: 0
```

2.3 Basic Call - SIP Basic calls SIP Basic - No Caller Id Restrictions

Title: Basic Call - SIP Basic calls SIP Basic - No Caller Id Restrictions

Description:

A SIP Basic phone calls another SIP Basic phone. No callerid blocking restrictions configured in the Unified CM.

Configuration:

Node = Unified CM, IP = 5.5.5.45

Phone = G, Line = 3034010, IP = 5.5.5.240, Model = SIP Basic

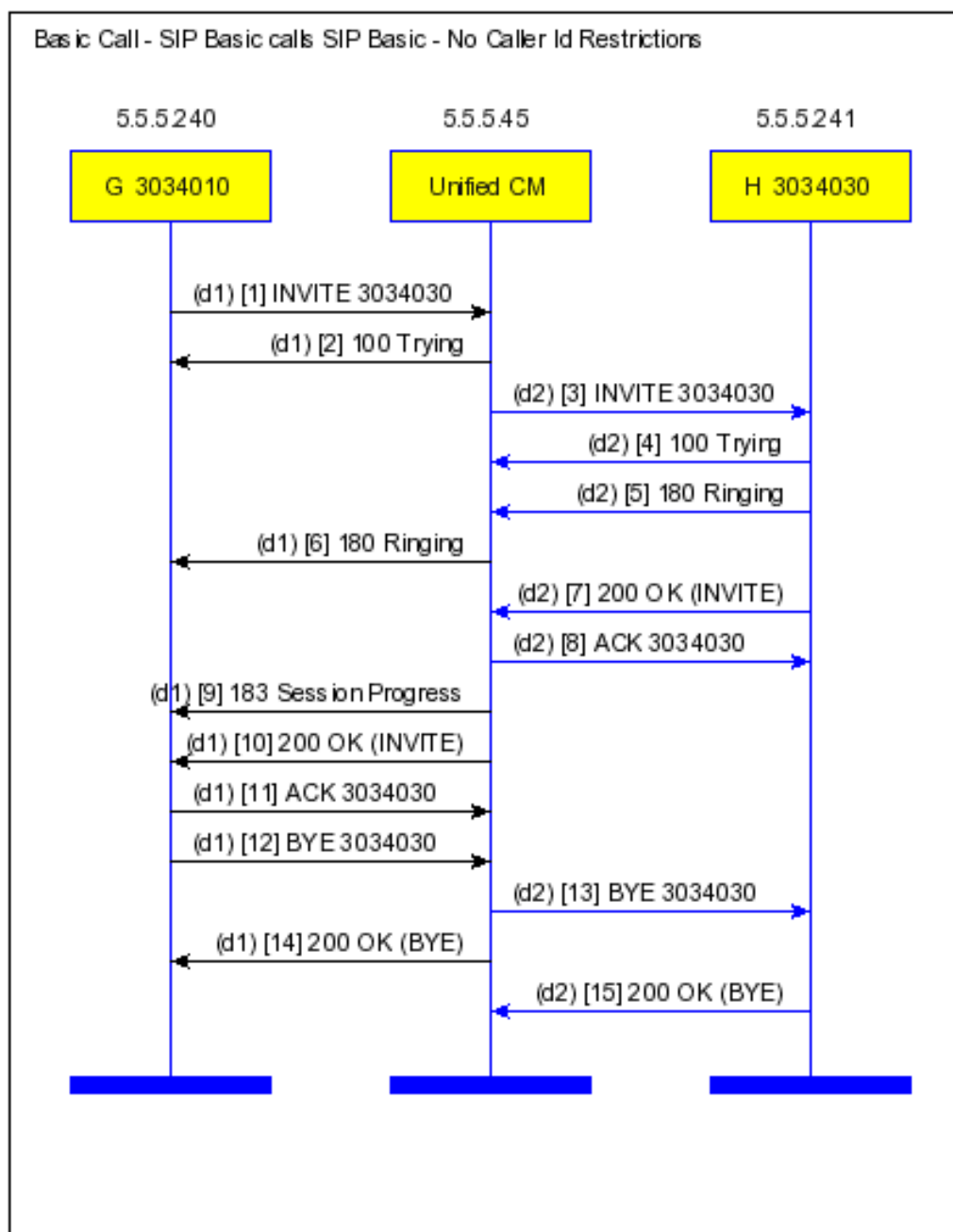
Phone = H, Line = 3034030, IP = 5.5.5.241, Model = SIP Basic

Scenario:

3034010 calls 3034030

3034030 answers

3034010 goes onhook



[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[1] INVITE sip:3034030@5.5.5.45 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK07914238
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f000a70410f3c-3f4bcf9d
 To: <sip:3034030@5.5.5.45>
 Call-ID: 001a2f8d-f17f0007-4e1f931c-637745a5@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 19:54:31 GMT
 CSeq: 101 INVITE
 User-Agent: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Expires: 180
 Accept: application/sdp
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 13181 0 IN IP4 5.5.5.240
 s=SIP Call
 t=0 0
 m=audio 22022 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.240
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[2] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK07914238
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f000a70410f3c-3f4bcf9d
 To: <sip:3034030@5.5.5.45>
 Date: Wed, 13 Jun 2007 19:54:31 GMT
 Call-ID: 001a2f8d-f17f0007-4e1f931c-637745a5@5.5.5.240
 CSeq: 101 INVITE
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[3] INVITE sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKec27b49ab0a
 Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992558
 To: <sip:3034030@5.5.5.241>
 Date: Wed, 13 Jun 2007 19:54:31 GMT
 Call-ID: e54ebb00-67014b77-14ca-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 101 INVITE
 Expires: 180
 Allow-Events: presence
 Alert-Info: <file://Bellcore-dr1/>
 Contact: <sip:3034030@5.5.5.45:5060>
 Max-Forwards: 69
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[4] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKec27b49ab0a
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992558
 To: <sip:3034030@5.5.5.241>
 Call-ID: e54ebb00-67014b77-14ca-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 19:54:30 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[5] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKec27b49ab0a
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992558
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000b6ffded0b-751228d8
 Call-ID: e54ebb00-67014b77-14ca-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 19:54:30 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[6] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK07914238
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f000a70410f3c-3f4bcf9d
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992557
 Date: Wed, 13 Jun 2007 19:54:31 GMT
 Call-ID: 001a2f8d-f17f0007-4e1f931c-637745a5@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[7] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKec27b49ab0a
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992558
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000b6ffded0b-751228d8
 Call-ID: e54ebb00-67014b77-14ca-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 19:54:32 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 248
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 1252 0 IN IP4 5.5.5.241
 s=SIP Call
 t=0 0
 m=audio 25274 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.241
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[8] ACK sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKec315ee2691
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992558
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000b6ffded0b-751228d8
 Date: Wed, 13 Jun 2007 19:54:31 GMT
 Call-ID: e54ebb00-67014b77-14ca-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 101 ACK
 Allow-Events: presence
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.240
 t=0 0
 m=audio 22022 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[9] SIP/2.0 183 Session Progress

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK07914238
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f000a70410f3c-3f4bcf9d
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992557
 Date: Wed, 13 Jun 2007 19:54:31 GMT
 Call-ID: 001a2f8d-f17f0007-4e1f931c-637745a5@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.241
 t=0 0
 m=audio 25274 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[10] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK07914238
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f000a70410f3c-3f4bcf9d
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992557
 Date: Wed, 13 Jun 2007 19:54:31 GMT
 Call-ID: 001a2f8d-f17f0007-4e1f931c-637745a5@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Supported: replaces
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.241
 t=0 0
 m=audio 25274 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[11] ACK sip:3034030@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK344a3a25
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f000a70410f3c-3f4bcf9d
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992557
 Call-ID: 001a2f8d-f17f0007-4e1f931c-637745a5@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 19:54:33 GMT
 CSeq: 101 ACK
 User-Agent: Cisco-CP7960G/7.5
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[12] BYE sip:3034030@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK3780683a
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f000a70410f3c-3f4bcf9d
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992557
 Call-ID: 001a2f8d-f17f0007-4e1f931c-637745a5@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 19:54:35 GMT
 CSeq: 102 BYE
 User-Agent: Cisco-CP7960G/7.5
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[13] BYE sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKec4696fed7b
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992558
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000b6ffded0b-751228d8
 Date: Wed, 13 Jun 2007 19:54:31 GMT
 Call-ID: e54ebb00-67014b77-14ca-2d050505@5.5.5.45
 User-Agent: Cisco-CCM6.0
 Max-Forwards: 70
 CSeq: 102 BYE
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[14] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK3780683a
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f000a70410f3c-3f4bcf9d
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992557
 Date: Wed, 13 Jun 2007 19:54:35 GMT
 Call-ID: 001a2f8d-f17f0007-4e1f931c-637745a5@5.5.5.240
 CSeq: 102 BYE
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[15] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKec4696fed7b
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992558
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000b6ffded0b-751228d8
 Call-ID: e54ebb00-67014b77-14ca-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 19:54:34 GMT
 CSeq: 102 BYE
 Server: Cisco-CP7960G/7.5
 Content-Length: 0

2.4 Basic Call - SIP Basic calls SIP Basic - Caller Id Restrictions

Title: Basic Call - SIP Basic calls SIP Basic - Caller Id Restrictions

Description:

A SIP Basic phone calls another SIP Basic phone. CallerId blocking restrictions configured in Unified CM Admin. User dial 71xxxx to activate CallId blocking. Unified CM strips "71" from dialed pattern.

Configuration:

Node = Unified CM, IP = 5.5.5.45

Phone = G, Line = 3034010, IP = 5.5.5.240, Model = SIP Basic

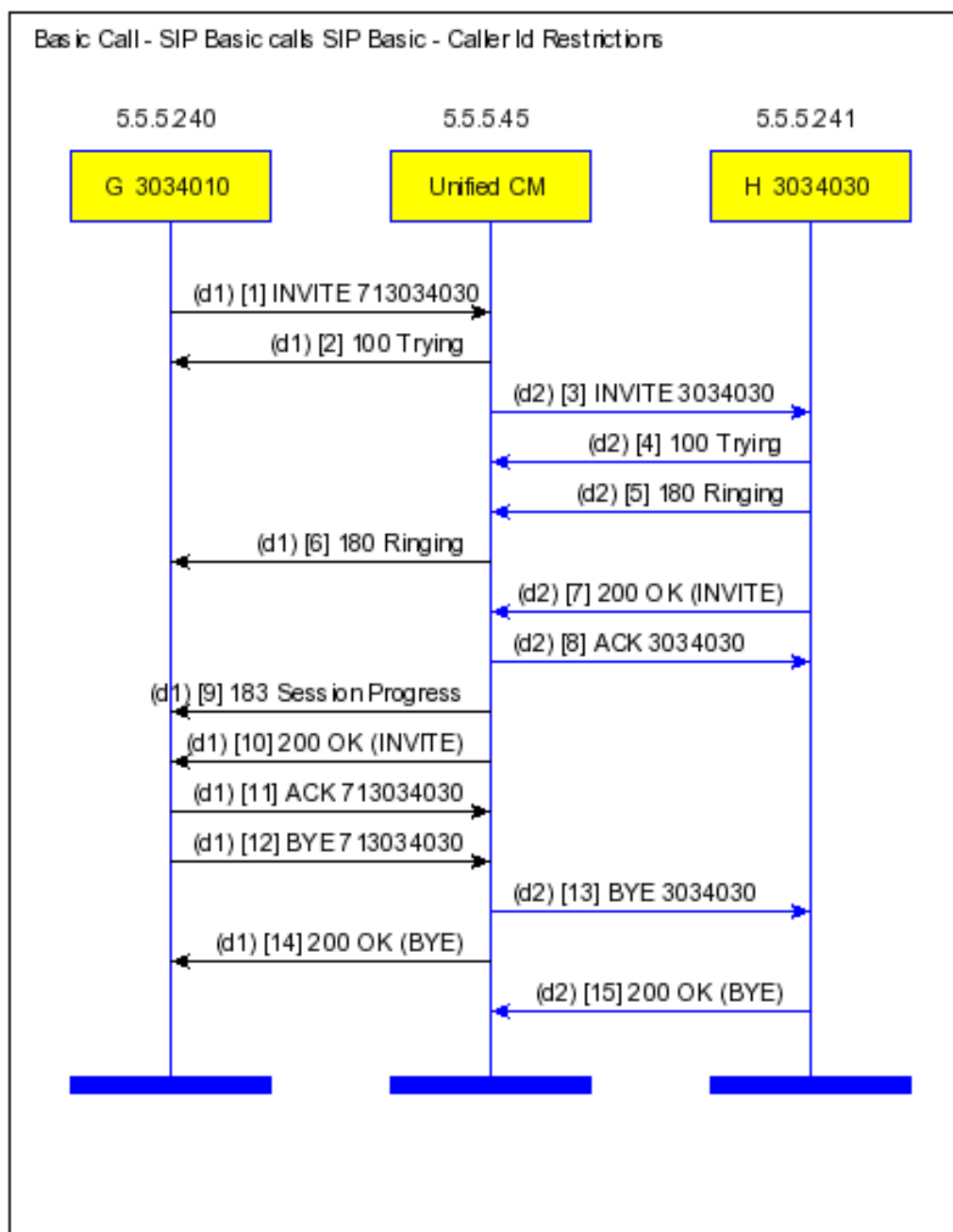
Phone = H, Line = 3034030, IP = 5.5.5.241, Model = SIP Basic

Scenario:

3034010 dials 713034030

3034030 answers

3034010 goes onhook



[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[1] INVITE sip:713034030@5.5.5.45 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK7251f794
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0007108f6639-2fff3342
 To: <sip:713034030@5.5.5.45>
 Call-ID: 001a2f8d-f17f0006-1f8e0d50-04da5d0a@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 19:52:13 GMT
 CSeq: 101 INVITE
 User-Agent: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Expires: 180
 Accept: application/sdp
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 25087 0 IN IP4 5.5.5.240
 s=SIP Call
 t=0 0
 m=audio 22018 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.240
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[2] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK7251f794
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0007108f6639-2fff3342
 To: <sip:713034030@5.5.5.45>
 Date: Wed, 13 Jun 2007 19:52:13 GMT
 Call-ID: 001a2f8d-f17f0006-1f8e0d50-04da5d0a@5.5.5.240
 CSeq: 101 INVITE
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[3] INVITE sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKebf5fe154d0
 Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=full
 From: "Anonymous" <sip:anonymous@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992555
 To: <sip:3034030@5.5.5.241>
 Date: Wed, 13 Jun 2007 19:52:13 GMT
 Call-ID: 930d9a00-67014aed-14c4-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 101 INVITE
 Expires: 180
 Allow-Events: presence
 Alert-Info: <file://Bellcore-dr1/>
 Contact: <sip:3034030@5.5.5.45:5060>
 Max-Forwards: 69
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[4] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKebf5fe154d0
 From: "Anonymous" <sip:anonymous@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992555
 To: <sip:3034030@5.5.5.241>
 Call-ID: 930d9a00-67014aed-14c4-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 19:52:12 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[5] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKebf5fe154d0
 From: "Anonymous" <sip:anonymous@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992555
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000871a87060-0479630d
 Call-ID: 930d9a00-67014aed-14c4-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 19:52:12 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[6] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK7251f794
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0007108f6639-2fff3342
 To: <sip:713034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992554
 Date: Wed, 13 Jun 2007 19:52:13 GMT
 Call-ID: 001a2f8d-f17f0006-1f8e0d50-04da5d0a@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:713034030@5.5.5.45:5060>
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[7] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKebf5fe154d0
 From: "Anonymous" <sip:anonymous@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992555
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000871a87060-0479630d
 Call-ID: 930d9a00-67014aed-14c4-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 19:52:17 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

```
v=0
o=Cisco-SIPUA 25088 0 IN IP4 5.5.5.241
s=SIP Call
t=0 0
m=audio 25270 RTP/AVP 0 8 18 101
c=IN IP4 5.5.5.241
a=rtpmap:0 PCMU/8000
a=rtpmap:8 PCMA/8000
a=rtpmap:18 G729/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=sendrecv
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[8] ACK sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKec017bbc25d
 From: "Anonymous" <sip:anonymous@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992555
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000871a87060-0479630d
 Date: Wed, 13 Jun 2007 19:52:13 GMT
 Call-ID: 930d9a00-67014aed-14c4-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 101 ACK
 Allow-Events: presence
 Content-Type: application/sdp
 Content-Length: 205

```
v=0
o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.240
t=0 0
m=audio 22018 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[9] SIP/2.0 183 Session Progress

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK7251f794
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0007108f6639-2fff3342
 To: <sip:713034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992554
 Date: Wed, 13 Jun 2007 19:52:13 GMT
 Call-ID: 001a2f8d-f17f0006-1f8e0d50-04da5d0a@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:713034030@5.5.5.45:5060>
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.241
 t=0 0
 m=audio 25270 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[10] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK7251f794
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0007108f6639-2fff3342
 To: <sip:713034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992554
 Date: Wed, 13 Jun 2007 19:52:13 GMT
 Call-ID: 001a2f8d-f17f0006-1f8e0d50-04da5d0a@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:713034030@5.5.5.45:5060>
 Supported: replaces
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.241
 t=0 0
 m=audio 25270 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[11] ACK sip:713034030@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK1eb1b487
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0007108f6639-2fff3342
 To: <sip:713034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992554
 Call-ID: 001a2f8d-f17f0006-1f8e0d50-04da5d0a@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 19:52:18 GMT
 CSeq: 101 ACK
 User-Agent: Cisco-CP7960G/7.5
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[12] BYE sip:713034030@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK06aef3f7
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0007108f6639-2fff3342
 To: <sip:713034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992554
 Call-ID: 001a2f8d-f17f0006-1f8e0d50-04da5d0a@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 19:52:21 GMT
 CSeq: 102 BYE
 User-Agent: Cisco-CP7960G/7.5
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[13] BYE sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKec17da9e1d8
 From: "Anonymous" <sip:anonymous@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992555
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000871a87060-0479630d
 Date: Wed, 13 Jun 2007 19:52:13 GMT
 Call-ID: 930d9a00-67014aed-14c4-2d050505@5.5.5.45
 User-Agent: Cisco-CCM6.0
 Max-Forwards: 70
 CSeq: 102 BYE
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[14] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK06aef3f7
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0007108f6639-2fff3342
 To: <sip:713034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992554
 Date: Wed, 13 Jun 2007 19:52:21 GMT
 Call-ID: 001a2f8d-f17f0006-1f8e0d50-04da5d0a@5.5.5.240
 CSeq: 102 BYE
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[15] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKec17da9e1d8
 From: "Anonymous" <sip:anonymous@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992555
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000871a87060-0479630d
 Call-ID: 930d9a00-67014aed-14c4-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 19:52:20 GMT
 CSeq: 102 BYE
 Server: Cisco-CP7960G/7.5
 Content-Length: 0

2.5 Calling and Connected Name ID - Different alerting/connected name

Title: Calling and Connected Name ID - Different alerting/connected name

Description:

A SIP Basic phone calls another SIP Basic phone. Alerting name differs from connected name.

Configuration:

Node = Unified CM, IP = 5.5.5.45

Phone = G, Line = 3034010, IP = 5.5.5.240, Model = SIP Basic

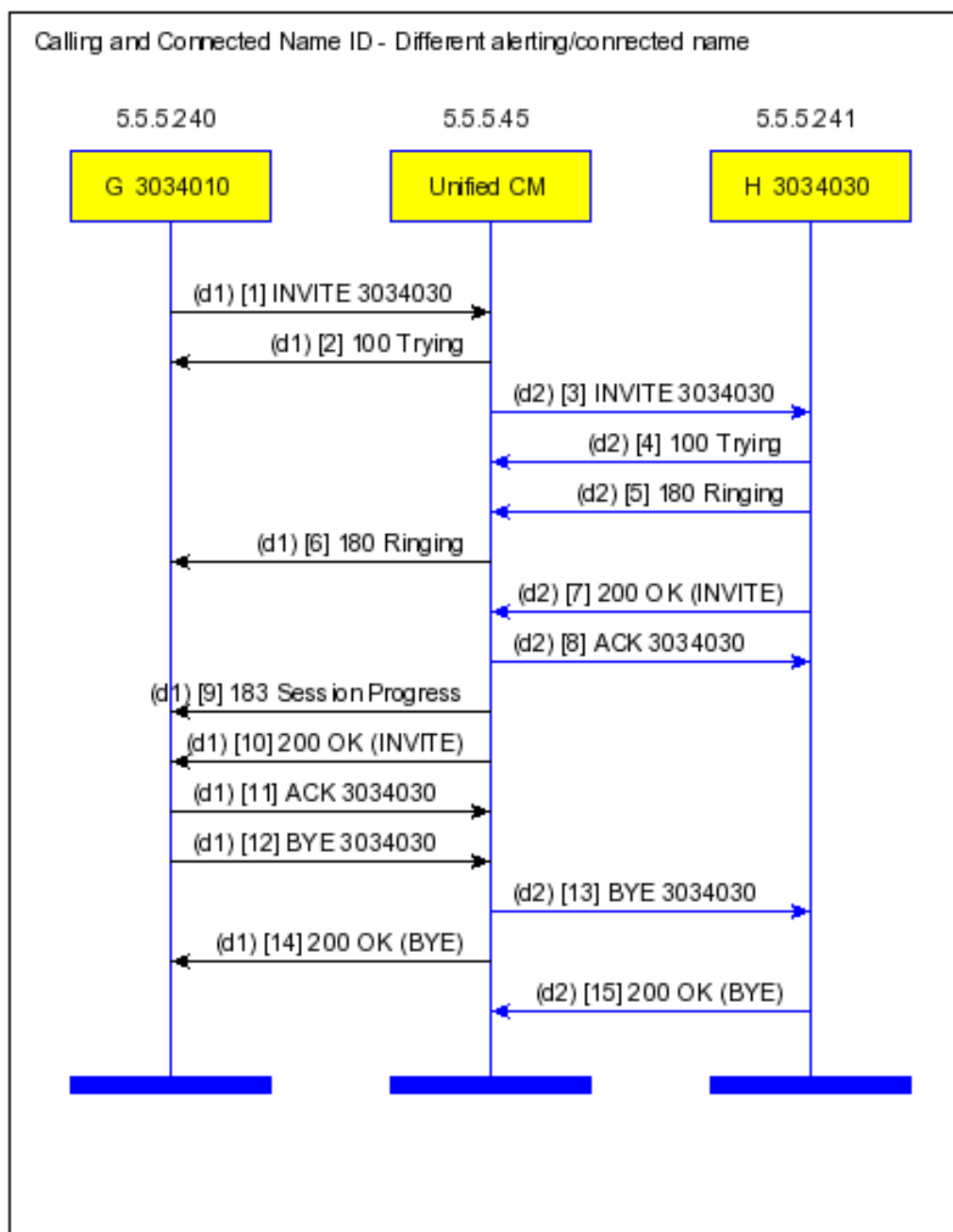
Phone = H, Line = 3034030, IP = 5.5.5.241, Model = SIP Basic

Scenario:

3034010 calls 3034030

3034030 answers

3034010 goes onhook



[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[1] INVITE sip:3034030@5.5.5.45 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK4b097a90
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f000606ef1991-143f1ed5
 To: <sip:3034030@5.5.5.45>
 Call-ID: 001a2f8d-f17f0005-5dc46c63-0392aef4@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 20:08:39 GMT
 CSeq: 101 INVITE
 User-Agent: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Expires: 180
 Accept: application/sdp
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 24857 0 IN IP4 5.5.5.240
 s=SIP Call
 t=0 0
 m=audio 17852 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.240
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[2] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK4b097a90
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f000606ef1991-143f1ed5
 To: <sip:3034030@5.5.5.45>
 Date: Wed, 13 Jun 2007 20:08:40 GMT
 Call-ID: 001a2f8d-f17f0005-5dc46c63-0392aef4@5.5.5.240
 CSeq: 101 INVITE
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[3] INVITE sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKed51958d4dc
 Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992564
 To: <sip:3034030@5.5.5.241>
 Date: Wed, 13 Jun 2007 20:08:40 GMT
 Call-ID: df59d980-67014ec8-14ed-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 101 INVITE
 Expires: 180
 Allow-Events: presence
 Alert-Info: <file://Bellcore-dr1/>
 Contact: <sip:3034030@5.5.5.45:5060>
 Max-Forwards: 69
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[4] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKed51958d4dc
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992564
 To: <sip:3034030@5.5.5.241>
 Call-ID: df59d980-67014ec8-14ed-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 20:08:39 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[5] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKed51958d4dc
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992564
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000805e8243b-54205f97
 Call-ID: df59d980-67014ec8-14ed-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 20:08:39 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[6] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK4b097a90
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f000606ef1991-143f1ed5
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992563
 Date: Wed, 13 Jun 2007 20:08:40 GMT
 Call-ID: 001a2f8d-f17f0005-5dc46c63-0392aef4@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Alerting 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[7] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKed51958d4dc
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992564
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000805e8243b-54205f97
 Call-ID: df59d980-67014ec8-14ed-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 20:08:42 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 12757 0 IN IP4 5.5.5.241
 s=SIP Call
 t=0 0
 m=audio 31212 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.241
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[8] ACK sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKed673d43b04
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992564
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000805e8243b-54205f97
 Date: Wed, 13 Jun 2007 20:08:40 GMT
 Call-ID: df59d980-67014ec8-14ed-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 101 ACK
 Allow-Events: presence
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.240
 t=0 0
 m=audio 17852 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[9] SIP/2.0 183 Session Progress

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK4b097a90
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f000606ef1991-143f1ed5
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992563
 Date: Wed, 13 Jun 2007 20:08:40 GMT
 Call-ID: 001a2f8d-f17f0005-5dc46c63-0392aef4@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Alerting 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.241
 t=0 0
 m=audio 31212 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[10] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK4b097a90
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f000606ef1991-143f1ed5
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992563
 Date: Wed, 13 Jun 2007 20:08:40 GMT
 Call-ID: 001a2f8d-f17f0005-5dc46c63-0392aef4@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Supported: replaces
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.241
 t=0 0
 m=audio 31212 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[11] ACK sip:3034030@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK5b6642d6
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f000606ef1991-143f1ed5
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992563
 Call-ID: 001a2f8d-f17f0005-5dc46c63-0392aef4@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 20:08:43 GMT
 CSeq: 101 ACK
 User-Agent: Cisco-CP7960G/7.5
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[12] BYE sip:3034030@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK7da5e793
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f000606ef1991-143f1ed5
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992563
 Call-ID: 001a2f8d-f17f0005-5dc46c63-0392aef4@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 20:08:47 GMT
 CSeq: 102 BYE
 User-Agent: Cisco-CP7960G/7.5
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[13] BYE sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKed78258a2b
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992564
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000805e8243b-54205f97
 Date: Wed, 13 Jun 2007 20:08:40 GMT
 Call-ID: df59d980-67014ec8-14ed-2d050505@5.5.5.45
 User-Agent: Cisco-CCM6.0
 Max-Forwards: 70
 CSeq: 102 BYE
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[14] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK7da5e793
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f000606ef1991-143f1ed5
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992563
 Date: Wed, 13 Jun 2007 20:08:48 GMT
 Call-ID: 001a2f8d-f17f0005-5dc46c63-0392aef4@5.5.5.240
 CSeq: 102 BYE
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[15] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKed78258a2b
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992564
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000805e8243b-54205f97
 Call-ID: df59d980-67014ec8-14ed-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 20:08:47 GMT
 CSeq: 102 BYE
 Server: Cisco-CP7960G/7.5
 Content-Length: 0

2.6 Calling and Connected Name ID

Title: Calling and Connected Name ID

Description:

A SIP Basic phone calls another SIP Basic phone.

Configuration:

Node = Unified CM, IP = 5.5.5.45

Phone = G, Line = 3034010, IP = 5.5.5.240, Model = SIP Basic

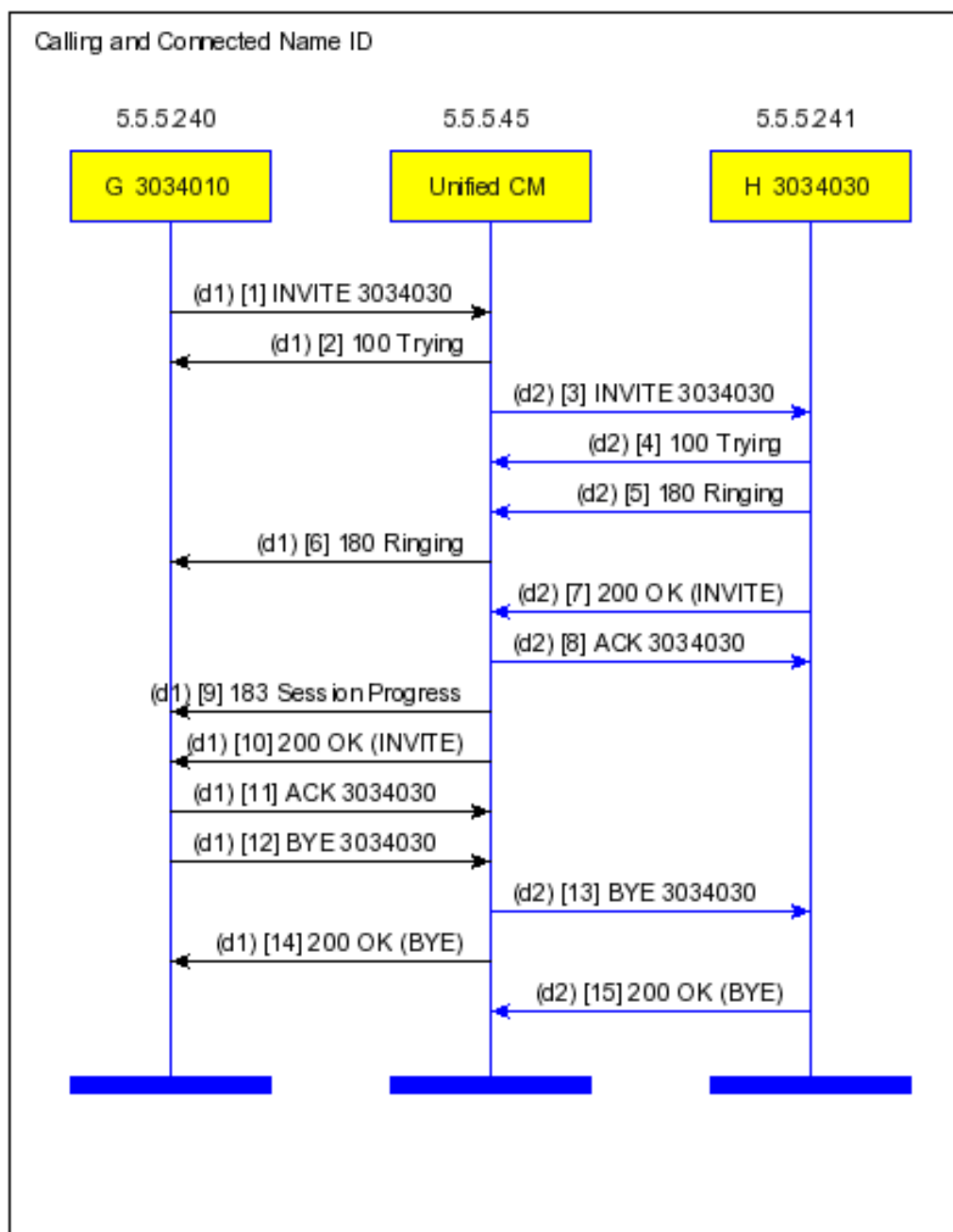
Phone = H, Line = 3034030, IP = 5.5.5.241, Model = SIP Basic

Scenario:

3034010 calls 3034030

3034030 answers

3034010 goes onhook



[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[1] INVITE sip:3034030@5.5.5.45 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK1a4b826e
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0004764b6926-51c2a694
 To: <sip:3034030@5.5.5.45>
 Call-ID: 001a2f8d-f17f0004-0312383b-59922d9c@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 19:49:05 GMT
 CSeq: 101 INVITE
 User-Agent: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Expires: 180
 Accept: application/sdp
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 16447 0 IN IP4 5.5.5.240
 s=SIP Call
 t=0 0
 m=audio 22010 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.240
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[2] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK1a4b826e
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0004764b6926-51c2a694
 To: <sip:3034030@5.5.5.45>
 Date: Wed, 13 Jun 2007 19:49:05 GMT
 Call-ID: 001a2f8d-f17f0004-0312383b-59922d9c@5.5.5.240
 CSeq: 101 INVITE
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[3] INVITE sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKebc7d7b0057
 Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992550
 To: <sip:3034030@5.5.5.241>
 Date: Wed, 13 Jun 2007 19:49:05 GMT
 Call-ID: 22ff1400-67014a31-14bf-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 101 INVITE
 Expires: 180
 Allow-Events: presence
 Alert-Info: <file://Bellcore-dr1/>
 Contact: <sip:3034030@5.5.5.45:5060>
 Max-Forwards: 69
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[4] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKebc7d7b0057
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992550
 To: <sip:3034030@5.5.5.241>
 Call-ID: 22ff1400-67014a31-14bf-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 19:49:04 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[5] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKebc7d7b0057
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992550
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d600060dbf9a78-7a361dce
 Call-ID: 22ff1400-67014a31-14bf-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 19:49:04 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[6] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK1a4b826e
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0004764b6926-51c2a694
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992549
 Date: Wed, 13 Jun 2007 19:49:05 GMT
 Call-ID: 001a2f8d-f17f0004-0312383b-59922d9c@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[7] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKebc7d7b0057
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992550
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d600060dbf9a78-7a361dce
 Call-ID: 22ff1400-67014a31-14bf-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 19:49:05 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 15423 0 IN IP4 5.5.5.241
 s=SIP Call
 t=0 0
 m=audio 25266 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.241
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[8] ACK sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKebd703e3e06
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992550
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d600060dbf9a78-7a361dce
 Date: Wed, 13 Jun 2007 19:49:05 GMT
 Call-ID: 22ff1400-67014a31-14bf-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 101 ACK
 Allow-Events: presence
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.240
 t=0 0
 m=audio 22010 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[9] SIP/2.0 183 Session Progress

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK1a4b826e
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0004764b6926-51c2a694
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992549
 Date: Wed, 13 Jun 2007 19:49:05 GMT
 Call-ID: 001a2f8d-f17f0004-0312383b-59922d9c@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.241
 t=0 0
 m=audio 25266 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[10] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK1a4b826e
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0004764b6926-51c2a694
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992549
 Date: Wed, 13 Jun 2007 19:49:05 GMT
 Call-ID: 001a2f8d-f17f0004-0312383b-59922d9c@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Supported: replaces
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.241
 t=0 0
 m=audio 25266 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[11] ACK sip:3034030@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK304395b0
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0004764b6926-51c2a694
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992549
 Call-ID: 001a2f8d-f17f0004-0312383b-59922d9c@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 19:49:07 GMT
 CSeq: 101 ACK
 User-Agent: Cisco-CP7960G/7.5
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[12] BYE sip:3034030@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK4fc5b4f6
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0004764b6926-51c2a694
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992549
 Call-ID: 001a2f8d-f17f0004-0312383b-59922d9c@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 19:49:09 GMT
 CSeq: 102 BYE
 User-Agent: Cisco-CP7960G/7.5
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[13] BYE sip:3034030@5.5.5.241:5060 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKebe30a15858
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992550
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d600060dbf9a78-7a361dce
Date: Wed, 13 Jun 2007 19:49:05 GMT
Call-ID: 22ff1400-67014a31-14bf-2d050505@5.5.5.45
User-Agent: Cisco-CCM6.0
Max-Forwards: 70
CSeq: 102 BYE
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[14] SIP/2.0 200 OK

```
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK4fc5b4f6
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0004764b6926-51c2a694
To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992549
Date: Wed, 13 Jun 2007 19:49:09 GMT
Call-ID: 001a2f8d-f17f0004-0312383b-59922d9c@5.5.5.240
CSeq: 102 BYE
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[15] SIP/2.0 200 OK

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKebe30a15858
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992550
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d600060dbf9a78-7a361dce
Call-ID: 22ff1400-67014a31-14bf-2d050505@5.5.5.45
Date: Wed, 13 Jun 2007 19:49:08 GMT
CSeq: 102 BYE
Server: Cisco-CP7960G/7.5
Content-Length: 0
```

2.7 Multiple Lines Per Phone

Title: Multiple Lines Per Phone

Description:

Line 1 on G calls L. While G is still talking to L on line 1, G initiates a call to H using line 2.

Configuration:

Node = Unified CM, IP = 5.5.5.45

Phone = G, Line = 3034010-3034011, IP = 5.5.5.240, Model = SIP Basic

Phone = H, Line = 3034030, IP = 5.5.5.241, Model = SIP Basic

Phone = L, Line = 3034040, IP = 5.5.5.242, Model = SIP Basic

Scenario:

3034010 calls 3034040

3034040 answers

3034010 presses hold

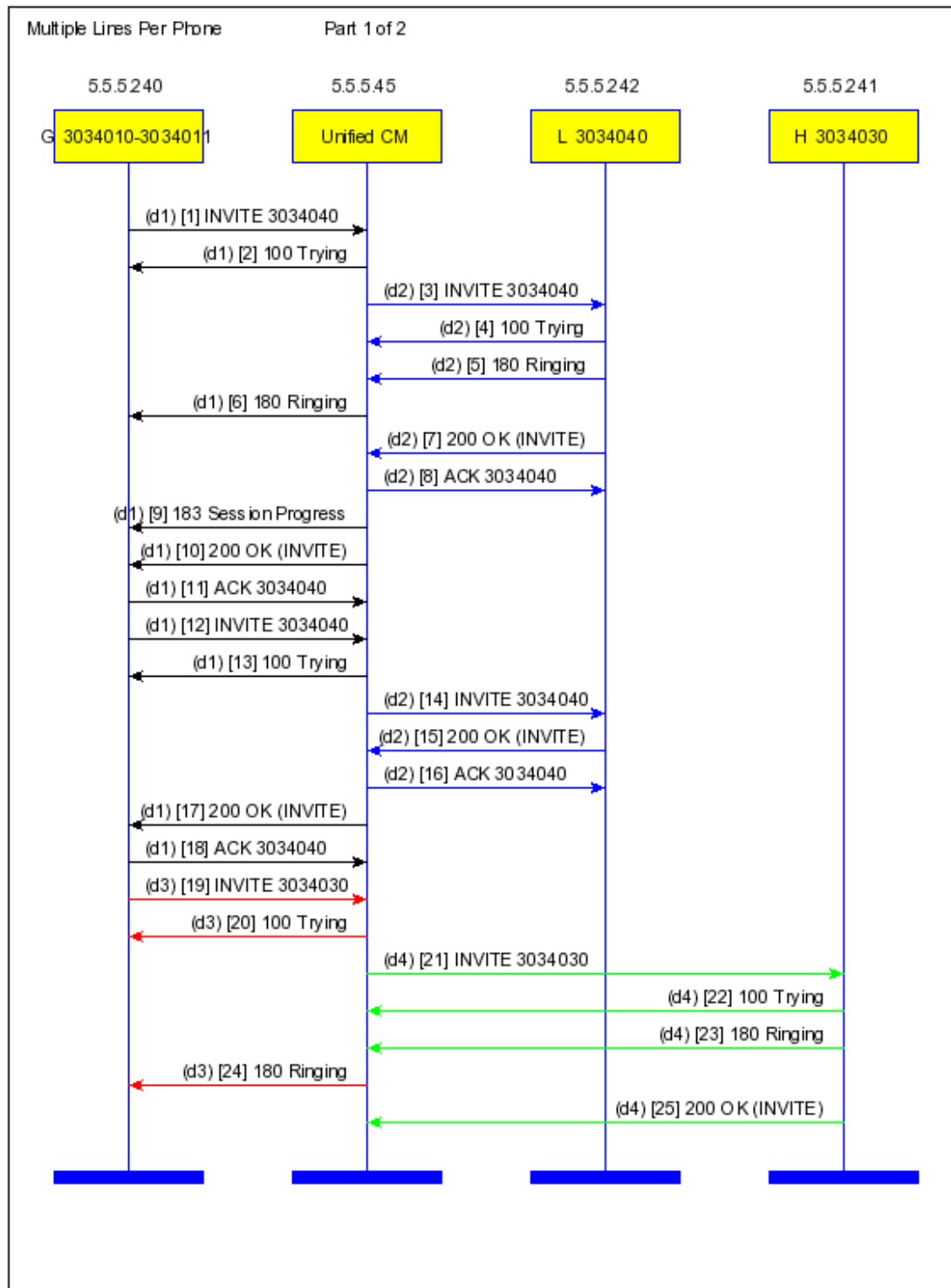
3034011 calls 3034030

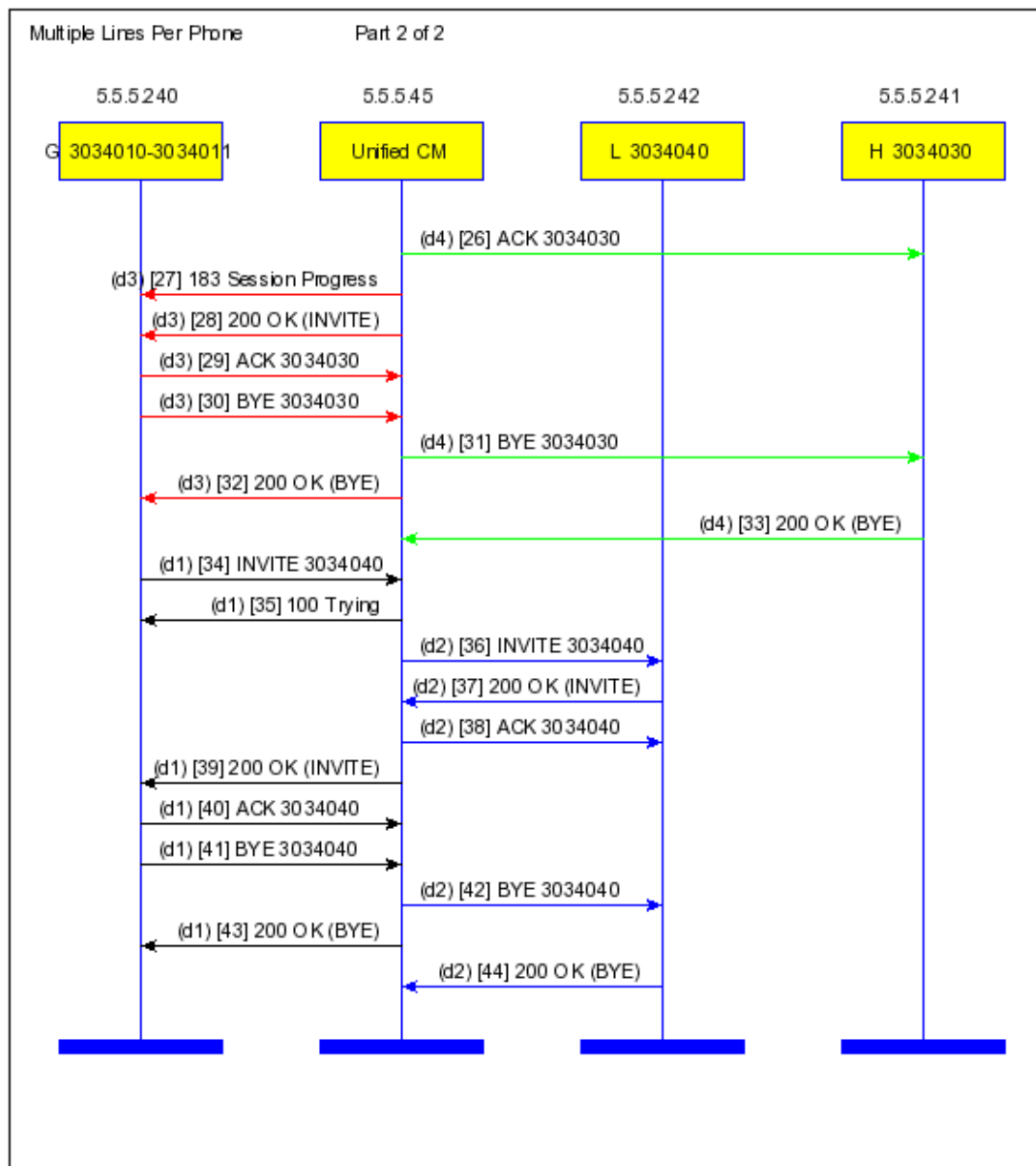
3034030 answers

3034011 ends calls with 3034030

3034010 resumes call with 3034040

3034010 ends call with 3034040





[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[1] INVITE sip:3034040@5.5.5.45 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK16d15d26
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001726f99b6d-2a4c095d
 To: <sip:3034040@5.5.5.45>
 Call-ID: 001a2f8d-f17f000c-4c7d3f71-72549c5b@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 20:25:39 GMT
 CSeq: 101 INVITE
 User-Agent: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Expires: 180
 Accept: application/sdp
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 247
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 651 0 IN IP4 5.5.5.240
 s=SIP Call
 t=0 0
 m=audio 17880 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.240
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[2] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK16d15d26
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001726f99b6d-2a4c095d
 To: <sip:3034040@5.5.5.45>
 Date: Wed, 13 Jun 2007 20:25:38 GMT
 Call-ID: 001a2f8d-f17f000c-4c7d3f71-72549c5b@5.5.5.240
 CSeq: 101 INVITE
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[3] INVITE sip:3034040@5.5.5.242:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKeed69f9bd4f
 Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992582
 To: <sip:3034040@5.5.5.242>
 Date: Wed, 13 Jun 2007 20:25:38 GMT
 Call-ID: 3e205280-670152c2-1515-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 101 INVITE
 Expires: 180
 Allow-Events: presence
 Alert-Info: <file://Bellcore-dr1/>
 Contact: <sip:3034040@5.5.5.45:5060>
 Max-Forwards: 69
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[4] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKeed69f9bd4f
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992582
 To: <sip:3034040@5.5.5.242>
 Call-ID: 3e205280-670152c2-1515-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 20:25:38 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034040@5.5.5.242:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[5] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKeed69f9bd4f
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992582
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e0007710e355d-584df559
 Call-ID: 3e205280-670152c2-1515-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 20:25:38 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034040@5.5.5.242:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[6] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK16d15d26
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001726f99b6d-2a4c095d
 To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992581
 Date: Wed, 13 Jun 2007 20:25:38 GMT
 Call-ID: 001a2f8d-f17f000c-4c7d3f71-72549c5b@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034040@5.5.5.45:5060>
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[7] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKeed69f9bd4f
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992582
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e0007710e355d-584df559
 Call-ID: 3e205280-670152c2-1515-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 20:25:39 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034040@5.5.5.242:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 20860 0 IN IP4 5.5.5.242
 s=SIP Call
 t=0 0
 m=audio 24048 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.242
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[8] ACK sip:3034040@5.5.5.242:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKeee46771636
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992582
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e0007710e355d-584df559
 Date: Wed, 13 Jun 2007 20:25:38 GMT
 Call-ID: 3e205280-670152c2-1515-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 101 ACK
 Allow-Events: presence
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.240
 t=0 0
 m=audio 17880 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[9] SIP/2.0 183 Session Progress

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK16d15d26
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001726f99b6d-2a4c095d
 To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992581
 Date: Wed, 13 Jun 2007 20:25:38 GMT
 Call-ID: 001a2f8d-f17f000c-4c7d3f71-72549c5b@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034040@5.5.5.45:5060>
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.242
 t=0 0
 m=audio 24048 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[10] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK16d15d26
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001726f99b6d-2a4c095d
 To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992581
 Date: Wed, 13 Jun 2007 20:25:38 GMT
 Call-ID: 001a2f8d-f17f000c-4c7d3f71-72549c5b@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034040@5.5.5.45:5060>
 Supported: replaces
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.242
 t=0 0
 m=audio 24048 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[11] ACK sip:3034040@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK2a065583
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001726f99b6d-2a4c095d
 To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992581
 Call-ID: 001a2f8d-f17f000c-4c7d3f71-72549c5b@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 20:25:41 GMT
 CSeq: 101 ACK
 User-Agent: Cisco-CP7960G/7.5
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[12] INVITE sip:3034040@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK61907291
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001726f99b6d-2a4c095d
 To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992581
 Call-ID: 001a2f8d-f17f000c-4c7d3f71-72549c5b@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 20:25:42 GMT
 CSeq: 102 INVITE
 User-Agent: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 247
 Content-Type: application/sdp

Content-Disposition: session;handling=optional

```
v=0
o=Cisco-SIPUA 651 1 IN IP4 5.5.5.240
s=SIP Call
t=0 0
m=audio 17880 RTP/AVP 0 8 18 101
c=IN IP4 5.5.5.240
a=rtpmap:0 PCMU/8000
a=rtpmap:8 PCMA/8000
a=rtpmap:18 G729/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=sendonly
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[13] SIP/2.0 100 Trying

```
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK61907291
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001726f99b6d-2a4c095d
To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992581
Date: Wed, 13 Jun 2007 20:25:42 GMT
Call-ID: 001a2f8d-f17f000c-4c7d3f71-72549c5b@5.5.5.240
CSeq: 102 INVITE
Allow-Events: presence
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[14] INVITE sip:3034040@5.5.5.242:5060 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKee1e12cbd2
Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=off
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992582
To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e0007710e355d-584df559
Date: Wed, 13 Jun 2007 20:25:42 GMT
Call-ID: 3e205280-670152c2-1515-2d050505@5.5.5.45
Supported: timer,replaces
Min-SE: 1800
User-Agent: Cisco-CCM6.0
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
CSeq: 102 INVITE
Max-Forwards: 70
Contact: <sip:3034010@5.5.5.45:5060>
Expires: 180
Allow-Events: presence
Content-Type: application/sdp
Content-Length: 291
```

```
v=0
o=CiscoSystemsCCM-SIP 2000 2 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.240
t=0 0
m=audio 17880 RTP/AVP 0 8 18 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:8 PCMA/8000
a=ptime:20
a=rtpmap:18 G729/8000
a=ptime:20
a=sendonly
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[15] SIP/2.0 200 OK

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKee1e12cbd2
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992582
To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e0007710e355d-584df559
Call-ID: 3e205280-670152c2-1515-2d050505@5.5.5.45
Date: Wed, 13 Jun 2007 20:25:41 GMT
CSeq: 102 INVITE
Server: Cisco-CP7960G/7.5
Contact: <sip:3034040@5.5.5.242:5060>
Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
Supported: replaces
Content-Length: 199
Content-Type: application/sdp
Content-Disposition: session;handling=optional
```

v=0

```

o=Cisco-SIPUA 20860 1 IN IP4 5.5.5.242
s=SIP Call
t=0 0
m=audio 24048 RTP/AVP 0 101
c=IN IP4 5.5.5.242
a=rtpmap:0 PCMU/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=recvonly

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[16] ACK sip:3034040@5.5.5.242:5060 SIP/2.0

```

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKef0387fea83
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992582
To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e0007710e355d-584df559
Date: Wed, 13 Jun 2007 20:25:42 GMT
Call-ID: 3e205280-670152c2-1515-2d050505@5.5.5.45
Max-Forwards: 70
CSeq: 102 ACK
Allow-Events: presence
Content-Length: 0

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[17] SIP/2.0 200 OK

```

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK61907291
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001726f99b6d-2a4c095d
To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992581
Date: Wed, 13 Jun 2007 20:25:42 GMT
Call-ID: 001a2f8d-f17f000c-4c7d3f71-72549c5b@5.5.5.240
CSeq: 102 INVITE
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
Allow-Events: presence
Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=called;screen=yes;privacy=off
Contact: <sip:3034040@5.5.5.45:5060>
Supported: replaces
Content-Type: application/sdp
Content-Length: 217

```

```

v=0
o=CiscoSystemsCCM-SIP 2000 2 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.242
t=0 0
m=audio 24048 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=recvonly
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[18] ACK sip:3034040@5.5.5.45:5060 SIP/2.0

```

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK1ba5ae2b
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001726f99b6d-2a4c095d
To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992581
Call-ID: 001a2f8d-f17f000c-4c7d3f71-72549c5b@5.5.5.240
Max-Forwards: 70
Date: Wed, 13 Jun 2007 20:25:43 GMT
CSeq: 102 ACK
User-Agent: Cisco-CP7960G/7.5
Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
Content-Length: 0

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[19] INVITE sip:3034030@5.5.5.45 SIP/2.0

```

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK18762b93
From: "3034011" <sip:3034011@5.5.5.45>;tag=001a2f8df17f0018676fe8f9-3a80e76f
To: <sip:3034030@5.5.5.45>
Call-ID: 001a2f8d-f17f000d-7b7c91fe-410a7021@5.5.5.240
Max-Forwards: 70
Date: Wed, 13 Jun 2007 20:25:51 GMT
CSeq: 101 INVITE
User-Agent: Cisco-CP7960G/7.5
Contact: <sip:3034011@5.5.5.240:5060>
Expires: 180
Accept: application/sdp
Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
Remote-Party-ID: "3034011" <sip:3034011@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
Supported: replaces
Content-Length: 249

```

Content-Type: application/sdp
Content-Disposition: session;handling=optional

v=0
o=Cisco-SIPUA 13923 0 IN IP4 5.5.5.240
s=SIP Call
t=0 0
m=audio 17884 RTP/AVP 0 8 18 101
c=IN IP4 5.5.5.240
a=rtpmap:0 PCMU/8000
a=rtpmap:8 PCMA/8000
a=rtpmap:18 G729/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[20] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK18762b93
From: "3034011" <sip:3034011@5.5.5.45>;tag=001a2f8df17f0018676fe8f9-3a80e76f
To: <sip:3034030@5.5.5.45>
Date: Wed, 13 Jun 2007 20:25:50 GMT
Call-ID: 001a2f8d-f17f000d-7b7c91fe-410a7021@5.5.5.240
CSeq: 101 INVITE
Allow-Events: presence
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[21] INVITE sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKef17683f1f0
Remote-Party-ID: "SIP Basic 3034011" <sip:3034011@5.5.5.45>;party=calling;screen=yes;privacy=off
From: "SIP Basic 3034011" <sip:3034011@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992584
To: <sip:3034030@5.5.5.241>
Date: Wed, 13 Jun 2007 20:25:50 GMT
Call-ID: 45476080-670152ce-1517-2d050505@5.5.5.45
Supported: timer,replaces
Min-SE: 1800
User-Agent: Cisco-CCM6.0
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
CSeq: 101 INVITE
Expires: 180
Allow-Events: presence
Alert-Info: <file://Bellcore-dr1/>
Contact: <sip:3034030@5.5.5.45:5060>
Max-Forwards: 69
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[22] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKef17683f1f0
From: "SIP Basic 3034011" <sip:3034011@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992584
To: <sip:3034030@5.5.5.241>
Call-ID: 45476080-670152ce-1517-2d050505@5.5.5.45
Date: Wed, 13 Jun 2007 20:25:49 GMT
CSeq: 101 INVITE
Server: Cisco-CP7960G/7.5
Contact: <sip:3034030@5.5.5.241:5060>
Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[23] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKef17683f1f0
From: "SIP Basic 3034011" <sip:3034011@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992584
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d600087b698243-2ea95bc7
Call-ID: 45476080-670152ce-1517-2d050505@5.5.5.45
Date: Wed, 13 Jun 2007 20:25:50 GMT
CSeq: 101 INVITE
Server: Cisco-CP7960G/7.5
Contact: <sip:3034030@5.5.5.241:5060>
Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[24] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK18762b93
From: "3034011" <sip:3034011@5.5.5.45>;tag=001a2f8df17f0018676fe8f9-3a80e76f
To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992583

Date: Wed, 13 Jun 2007 20:25:50 GMT
 Call-ID: 001a2f8d-f17f000d-7b7c91fe-410a7021@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Alerting 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[25] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKef17683f1f0
 From: "SIP Basic 3034011" <sip:3034011@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992584
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d600087b698243-2ea95bc7
 Call-ID: 45476080-670152ce-1517-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 20:25:51 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 13532 0 IN IP4 5.5.5.241
 s=SIP Call
 t=0 0
 m=audio 23084 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.241
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[26] ACK sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKef21190ea6e
 From: "SIP Basic 3034011" <sip:3034011@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992584
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d600087b698243-2ea95bc7
 Date: Wed, 13 Jun 2007 20:25:50 GMT
 Call-ID: 45476080-670152ce-1517-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 101 ACK
 Allow-Events: presence
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.240
 t=0 0
 m=audio 17884 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[27] SIP/2.0 183 Session Progress

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK18762b93
 From: "3034011" <sip:3034011@5.5.5.45>;tag=001a2f8df17f0018676fe8f9-3a80e76f
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992583
 Date: Wed, 13 Jun 2007 20:25:50 GMT
 Call-ID: 001a2f8d-f17f000d-7b7c91fe-410a7021@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Alerting 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45

```
s=SIP Call
c=IN IP4 5.5.5.241
t=0 0
m=audio 23084 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

```
[28] SIP/2.0 200 OK
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK18762b93
From: "3034011" <sip:3034011@5.5.5.45>;tag=001a2f8df17f0018676fe8f9-3a80e76f
To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992583
Date: Wed, 13 Jun 2007 20:25:50 GMT
Call-ID: 001a2f8d-f17f000d-7b7c91fe-410a7021@5.5.5.240
CSeq: 101 INVITE
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
Allow-Events: presence
Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
Contact: <sip:3034030@5.5.5.45:5060>
Supported: replaces
Content-Type: application/sdp
Content-Length: 205
```

```
v=0
o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.241
t=0 0
m=audio 23084 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

```
[29] ACK sip:3034030@5.5.5.45:5060 SIP/2.0
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK44842469
From: "3034011" <sip:3034011@5.5.5.45>;tag=001a2f8df17f0018676fe8f9-3a80e76f
To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992583
Call-ID: 001a2f8d-f17f000d-7b7c91fe-410a7021@5.5.5.240
Max-Forwards: 70
Date: Wed, 13 Jun 2007 20:25:53 GMT
CSeq: 101 ACK
User-Agent: Cisco-CP7960G/7.5
Remote-Party-ID: "3034011" <sip:3034011@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

```
[30] BYE sip:3034030@5.5.5.45:5060 SIP/2.0
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK4f0489ed
From: "3034011" <sip:3034011@5.5.5.45>;tag=001a2f8df17f0018676fe8f9-3a80e76f
To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992583
Call-ID: 001a2f8d-f17f000d-7b7c91fe-410a7021@5.5.5.240
Max-Forwards: 70
Date: Wed, 13 Jun 2007 20:26:00 GMT
CSeq: 102 BYE
User-Agent: Cisco-CP7960G/7.5
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

```
[31] BYE sip:3034030@5.5.5.241:5060 SIP/2.0
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKef358bbbea5
From: "SIP Basic 3034011" <sip:3034011@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992584
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d600087b698243-2ea95bc7
Date: Wed, 13 Jun 2007 20:25:50 GMT
Call-ID: 45476080-670152ce-1517-2d050505@5.5.5.45
User-Agent: Cisco-CCM6.0
Max-Forwards: 70
CSeq: 102 BYE
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

```
[32] SIP/2.0 200 OK
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK4f0489ed
From: "3034011" <sip:3034011@5.5.5.45>;tag=001a2f8df17f0018676fe8f9-3a80e76f
To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992583
Date: Wed, 13 Jun 2007 20:26:00 GMT
Call-ID: 001a2f8d-f17f000d-7b7c91fe-410a7021@5.5.5.240
```

CSeq: 102 BYE
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[33] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKef358bbbea5
From: "SIP Basic 3034011" <sip:3034011@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992584
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d600087b698243-2ea95bc7
Call-ID: 45476080-670152ce-1517-2d050505@5.5.5.45
Date: Wed, 13 Jun 2007 20:25:59 GMT
CSeq: 102 BYE
Server: Cisco-CP7960G/7.5
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[34] INVITE sip:3034040@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK53144433
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001726f99b6d-2a4c095d
To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992581
Call-ID: 001a2f8d-f17f000c-4c7d3f71-72549c5b@5.5.5.240
Max-Forwards: 70
Date: Wed, 13 Jun 2007 20:26:02 GMT
CSeq: 103 INVITE
User-Agent: Cisco-CP7960G/7.5
Contact: <sip:3034010@5.5.5.240:5060>
Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
Content-Length: 247
Content-Type: application/sdp
Content-Disposition: session;handling=optional

v=0
o=Cisco-SIPUA 651 2 IN IP4 5.5.5.240
s=SIP Call
t=0 0
m=audio 17880 RTP/AVP 0 8 18 101
c=IN IP4 5.5.5.240
a=rtpmap:0 PCMU/8000
a=rtpmap:8 PCMA/8000
a=rtpmap:18 G729/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[35] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK53144433
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001726f99b6d-2a4c095d
To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992581
Date: Wed, 13 Jun 2007 20:26:01 GMT
Call-ID: 001a2f8d-f17f000c-4c7d3f71-72549c5b@5.5.5.240
CSeq: 103 INVITE
Allow-Events: presence
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[36] INVITE sip:3034040@5.5.5.242:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKef4232c4dd9
Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=off
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992582
To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e0007710e355d-584df559
Date: Wed, 13 Jun 2007 20:26:01 GMT
Call-ID: 3e205280-670152c2-1515-2d050505@5.5.5.45
Supported: timer,replaces
Min-SE: 1800
User-Agent: Cisco-CCM6.0
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
CSeq: 103 INVITE
Max-Forwards: 70
Contact: <sip:3034010@5.5.5.45:5060>
Expires: 180
Allow-Events: presence
Content-Type: application/sdp
Content-Length: 279

v=0
o=CiscoSystemsCCM-SIP 2000 3 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.240
t=0 0
m=audio 17880 RTP/AVP 0 8 18 101

```

a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:8 PCMA/8000
a=ptime:20
a=rtpmap:18 G729/8000
a=ptime:20
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

```

[37] SIP/2.0 200 OK
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKef4232c4dd9
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992582
To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e0007710e355d-584df559
Call-ID: 3e205280-670152c2-1515-2d050505@5.5.5.45
Date: Wed, 13 Jun 2007 20:26:01 GMT
CSeq: 103 INVITE
Server: Cisco-CP7960G/7.5
Contact: <sip:3034040@5.5.5.242:5060>
Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
Supported: replaces
Content-Length: 199
Content-Type: application/sdp
Content-Disposition: session;handling=optional

```

```

v=0
o=Cisco-SIPUA 20860 2 IN IP4 5.5.5.242
s=SIP Call
t=0 0
m=audio 24048 RTP/AVP 0 101
c=IN IP4 5.5.5.242
a=rtpmap:0 PCMU/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=sendrecv

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

```

[38] ACK sip:3034040@5.5.5.242:5060 SIP/2.0
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKef52d888abc
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992582
To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e0007710e355d-584df559
Date: Wed, 13 Jun 2007 20:26:01 GMT
Call-ID: 3e205280-670152c2-1515-2d050505@5.5.5.45
Max-Forwards: 70
CSeq: 103 ACK
Allow-Events: presence
Content-Length: 0

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

```

[39] SIP/2.0 200 OK
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK53144433
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001726f99b6d-2a4c095d
To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992581
Date: Wed, 13 Jun 2007 20:26:01 GMT
Call-ID: 001a2f8d-f17f000c-4c7d3f71-72549c5b@5.5.5.240
CSeq: 103 INVITE
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
Allow-Events: presence
Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=called;screen=yes;privacy=off
Contact: <sip:3034040@5.5.5.45:5060>
Supported: replaces
Content-Type: application/sdp
Content-Length: 205

```

```

v=0
o=CiscoSystemsCCM-SIP 2000 3 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.242
t=0 0
m=audio 24048 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

```

[40] ACK sip:3034040@5.5.5.45:5060 SIP/2.0
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK6af1eccc
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001726f99b6d-2a4c095d

```

To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992581
 Call-ID: 001a2f8d-f17f000c-4c7d3f71-72549c5b@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 20:26:03 GMT
 CSeq: 103 ACK
 User-Agent: Cisco-CP7960G/7.5
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[41] BYE sip:3034040@5.5.5.45:5060 SIP/2.0
 Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK0c14ef1d
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001726f99b6d-2a4c095d
 To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992581
 Call-ID: 001a2f8d-f17f000c-4c7d3f71-72549c5b@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 20:26:06 GMT
 CSeq: 104 BYE
 User-Agent: Cisco-CP7960G/7.5
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[42] BYE sip:3034040@5.5.5.242:5060 SIP/2.0
 Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKef6720b57f
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992582
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e0007710e355d-584df559
 Date: Wed, 13 Jun 2007 20:26:01 GMT
 Call-ID: 3e205280-670152c2-1515-2d050505@5.5.5.45
 User-Agent: Cisco-CCM6.0
 Max-Forwards: 70
 CSeq: 104 BYE
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[43] SIP/2.0 200 OK
 Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK0c14ef1d
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001726f99b6d-2a4c095d
 To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992581
 Date: Wed, 13 Jun 2007 20:26:06 GMT
 Call-ID: 001a2f8d-f17f000c-4c7d3f71-72549c5b@5.5.5.240
 CSeq: 104 BYE
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[44] SIP/2.0 200 OK
 Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKef6720b57f
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992582
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e0007710e355d-584df559
 Call-ID: 3e205280-670152c2-1515-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 20:26:05 GMT
 CSeq: 104 BYE
 Server: Cisco-CP7960G/7.5
 Content-Length: 0

2.8 Multiple Calls Per Line

Title: Multiple Calls Per Line

Description:

G calls L. While G is still talking to L, H calls G.

Configuration:

Node = Unified CM, IP = 5.5.5.45

Phone = G, Line = 3034010, IP = 5.5.5.240, Model = SIP Basic

Phone = H, Line = 3034030, IP = 5.5.5.241, Model = SIP Basic

Phone = L, Line = 3034040, IP = 5.5.5.242, Model = SIP Basic

Scenario:

3034010 calls 3034040

3034040 answers

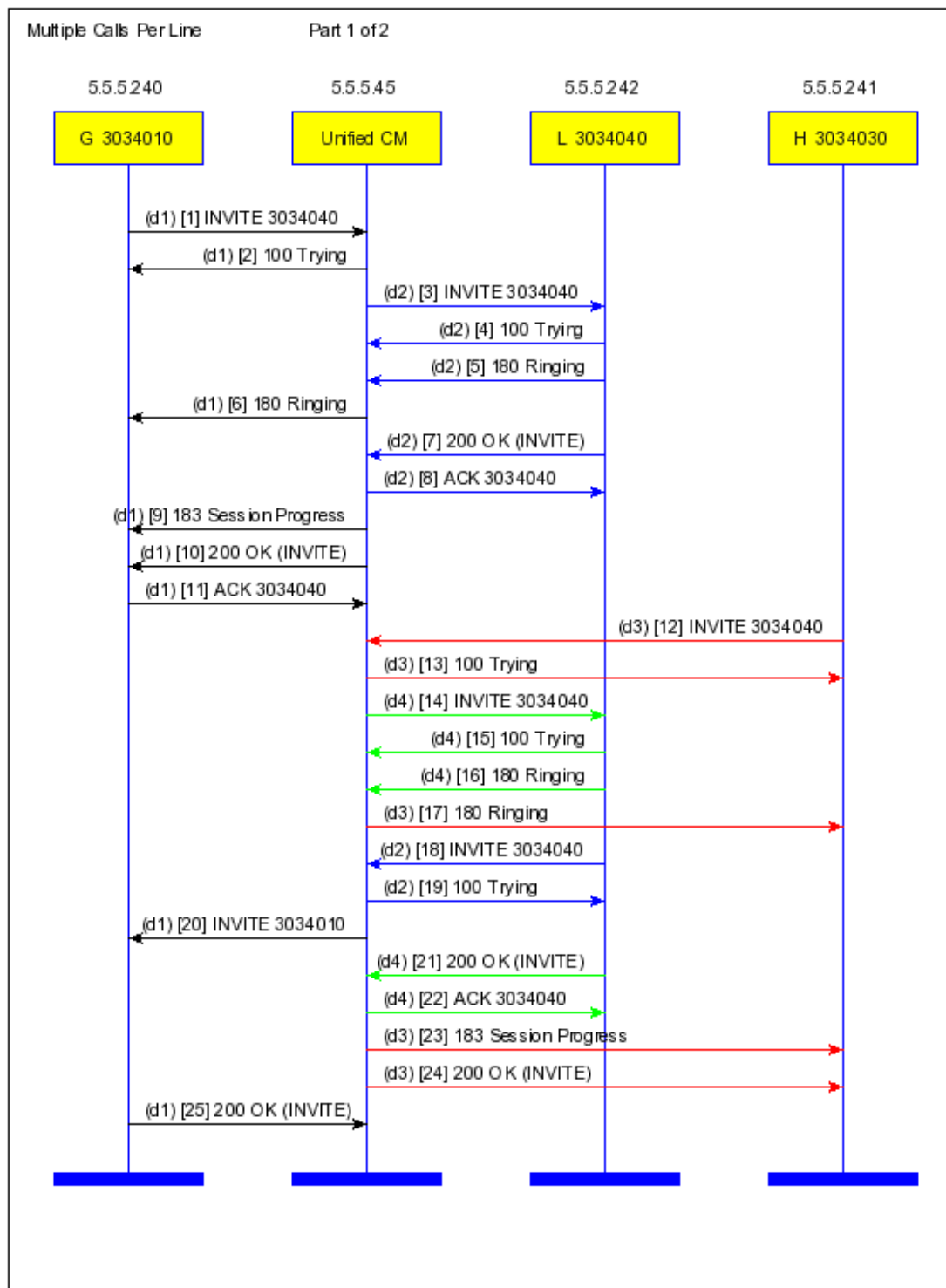
3034030 calls 3034040

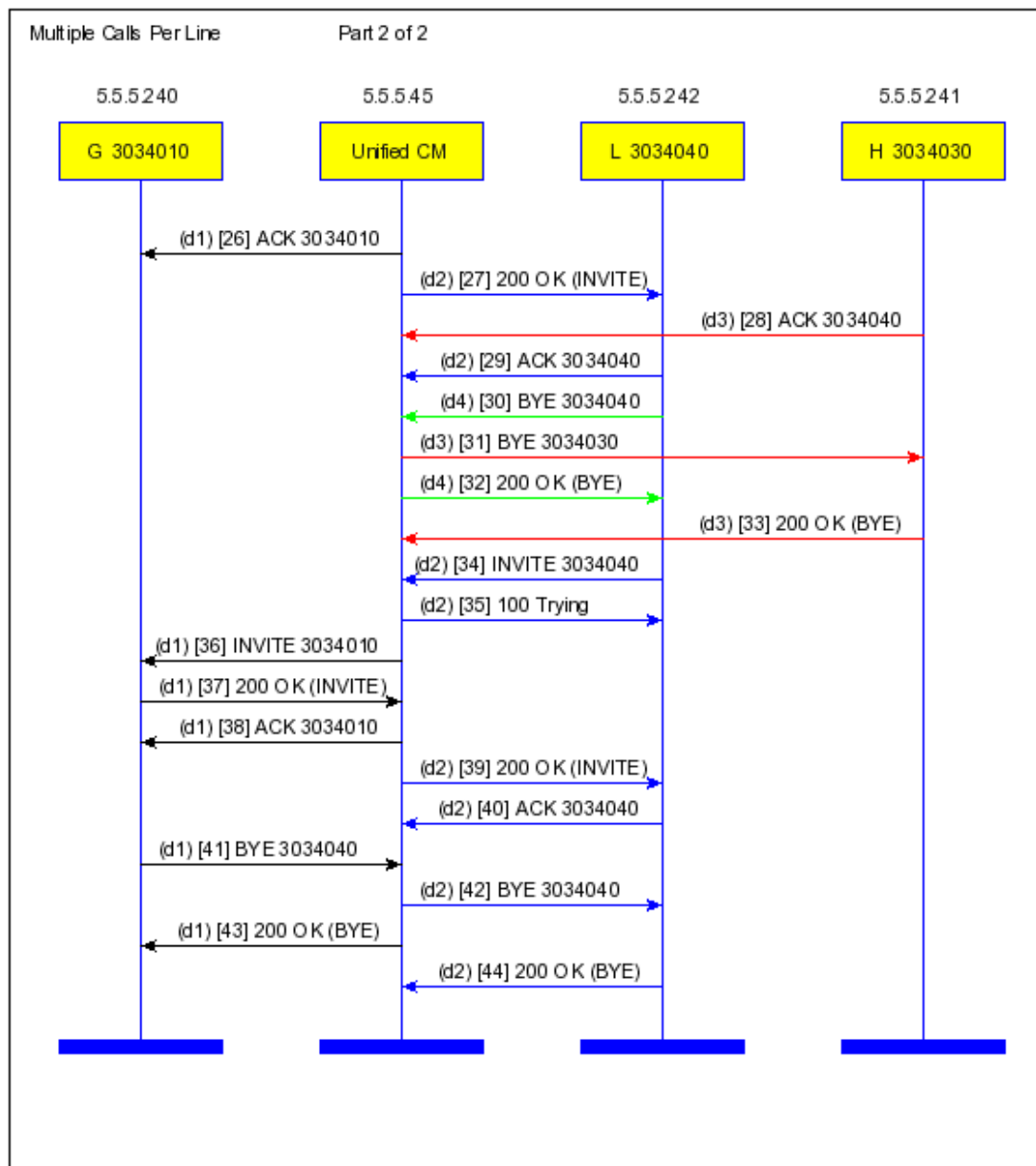
3034040 answers

3034040 ends call from 3034030

3034040 resumes call with 3034010

3034010 ends call with 3034040





[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[1] INVITE sip:3034040@5.5.5.45 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK44084281
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0015602eb153-400c8cf5
 To: <sip:3034040@5.5.5.45>
 Call-ID: 001a2f8d-f17f000b-15af6584-2eec1761@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 20:24:12 GMT
 CSeq: 101 INVITE
 User-Agent: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Expires: 180
 Accept: application/sdp
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 248
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 4052 0 IN IP4 5.5.5.240
 s=SIP Call
 t=0 0
 m=audio 17876 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.240
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[2] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK44084281
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0015602eb153-400c8cf5
 To: <sip:3034040@5.5.5.45>
 Date: Wed, 13 Jun 2007 20:24:11 GMT
 Call-ID: 001a2f8d-f17f000b-15af6584-2eec1761@5.5.5.240
 CSeq: 101 INVITE
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[3] INVITE sip:3034040@5.5.5.242:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKee33a4de2b6
 Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992578
 To: <sip:3034040@5.5.5.242>
 Date: Wed, 13 Jun 2007 20:24:11 GMT
 Call-ID: a452d00-6701526b-150e-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 101 INVITE
 Expires: 180
 Allow-Events: presence
 Alert-Info: <file://Bellcore-dr1/>
 Contact: <sip:3034040@5.5.5.45:5060>
 Max-Forwards: 69
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[4] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKee33a4de2b6
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992578
 To: <sip:3034040@5.5.5.242>
 Call-ID: a452d00-6701526b-150e-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 20:24:11 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034040@5.5.5.242:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[5] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKee33a4de2b6
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992578
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e00040dde0650-30aafc7c
 Call-ID: a452d00-6701526b-150e-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 20:24:11 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034040@5.5.5.242:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[6] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK44084281
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0015602eb153-400c8cf5
 To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992577
 Date: Wed, 13 Jun 2007 20:24:11 GMT
 Call-ID: 001a2f8d-f17f000b-15af6584-2eec1761@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034040@5.5.5.45:5060>
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[7] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKee33a4de2b6
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992578
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e00040dde0650-30aafc7c
 Call-ID: a452d00-6701526b-150e-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 20:24:12 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034040@5.5.5.242:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 25431 0 IN IP4 5.5.5.242
 s=SIP Call
 t=0 0
 m=audio 24040 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.242
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[8] ACK sip:3034040@5.5.5.242:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKee43e5b6b5e
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992578
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e00040dde0650-30aafc7c
 Date: Wed, 13 Jun 2007 20:24:11 GMT
 Call-ID: a452d00-6701526b-150e-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 101 ACK
 Allow-Events: presence
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.240
 t=0 0
 m=audio 17876 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[9] SIP/2.0 183 Session Progress

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK44084281
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0015602eb153-400c8cf5
 To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992577
 Date: Wed, 13 Jun 2007 20:24:11 GMT
 Call-ID: 001a2f8d-f17f000b-15af6584-2eec1761@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034040@5.5.5.45:5060>
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.242
 t=0 0
 m=audio 24040 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[10] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK44084281
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0015602eb153-400c8cf5
 To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992577
 Date: Wed, 13 Jun 2007 20:24:11 GMT
 Call-ID: 001a2f8d-f17f000b-15af6584-2eec1761@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034040@5.5.5.45:5060>
 Supported: replaces
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.242
 t=0 0
 m=audio 24040 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[11] ACK sip:3034040@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK5fd86da1
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0015602eb153-400c8cf5
 To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992577
 Call-ID: 001a2f8d-f17f000b-15af6584-2eec1761@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 20:24:14 GMT
 CSeq: 101 ACK
 User-Agent: Cisco-CP7960G/7.5
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[12] INVITE sip:3034040@5.5.5.45 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.241:5060;branch=z9hG4bK347cfb00
 From: "3034030" <sip:3034030@5.5.5.45>;tag=001a2fcb77d6000637d31afc-781f90c4
 To: <sip:3034040@5.5.5.45>
 Call-ID: 001a2fcb-77d60006-0fa07fec-0d6ab813@5.5.5.241
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 20:24:19 GMT
 CSeq: 101 INVITE
 User-Agent: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Expires: 180
 Accept: application/sdp
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE

Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 18137 0 IN IP4 5.5.5.241
 s=SIP Call
 t=0 0
 m=audio 23080 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.241
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[13] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.241:5060;branch=z9hG4bK347cfb00
 From: "3034030" <sip:3034030@5.5.5.45>;tag=001a2fcb77d6000637d31afc-781f90c4
 To: <sip:3034040@5.5.5.45>
 Date: Wed, 13 Jun 2007 20:24:20 GMT
 Call-ID: 001a2fcb-77d60006-0fa07fec-0d6ab813@5.5.5.241
 CSeq: 101 INVITE
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[14] INVITE sip:3034040@5.5.5.242:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKee56d63c731
 Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992580
 To: <sip:3034040@5.5.5.242>
 Date: Wed, 13 Jun 2007 20:24:20 GMT
 Call-ID: fa27780-67015274-1510-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 101 INVITE
 Expires: 180
 Allow-Events: presence
 Alert-Info: <file://Bellcore-dr1/>
 Contact: <sip:3034040@5.5.5.45:5060>
 Max-Forwards: 69
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[15] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKee56d63c731
 From: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992580
 To: <sip:3034040@5.5.5.242>
 Call-ID: fa27780-67015274-1510-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 20:24:20 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034040@5.5.5.242:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[16] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKee56d63c731
 From: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992580
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e0005792ed7bd-60c74783
 Call-ID: fa27780-67015274-1510-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 20:24:20 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034040@5.5.5.242:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[17] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.241:5060;branch=z9hG4bK347cfb00
 From: "3034030" <sip:3034030@5.5.5.45>;tag=001a2fcb77d6000637d31afc-781f90c4
 To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992579
 Date: Wed, 13 Jun 2007 20:24:20 GMT
 Call-ID: 001a2fcb-77d60006-0fa07fec-0d6ab813@5.5.5.241
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034040@5.5.5.45:5060>
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[18] INVITE sip:3034040@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.242:5060;branch=z9hG4bK6c6ce502
 From: <sip:3034040@5.5.5.242>;tag=0018b93bb53e00040dde0650-30aafc7c
 To: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992578
 Call-ID: a452d00-6701526b-150e-2d050505@5.5.5.45
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 20:24:21 GMT
 CSeq: 101 INVITE
 User-Agent: Cisco-CP7960G/7.5
 Contact: <sip:3034040@5.5.5.242:5060>
 Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 25431 1 IN IP4 5.5.5.242
 s=SIP Call
 t=0 0
 m=audio 24040 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.242
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendonly

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[19] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.242:5060;branch=z9hG4bK6c6ce502
 From: <sip:3034040@5.5.5.242>;tag=0018b93bb53e00040dde0650-30aafc7c
 To: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992578
 Date: Wed, 13 Jun 2007 20:24:22 GMT
 Call-ID: a452d00-6701526b-150e-2d050505@5.5.5.45
 CSeq: 101 INVITE
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[20] INVITE sip:3034010@5.5.5.240:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKee6b03cffa
 Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992577
 To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0015602eb153-400c8cf5
 Date: Wed, 13 Jun 2007 20:24:22 GMT
 Call-ID: 001a2f8d-f17f000b-15af6584-2eec1761@5.5.5.240
 Supported: timer,replaces
 Min-SE: 1800
 Cisco-Guid: 172305664-1728139883-5389-755303685
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 101 INVITE
 Max-Forwards: 70
 Contact: <sip:3034040@5.5.5.45:5060>
 Expires: 180
 Allow-Events: presence
 Content-Type: application/sdp
 Content-Length: 291

v=0
 o=CiscoSystemsCCM-SIP 2000 2 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.242
 t=0 0
 m=audio 24040 RTP/AVP 0 8 18 101
 a=rtpmap:0 PCMU/8000

```

a=ptime:20
a=rtpmap:8 PCMA/8000
a=ptime:20
a=rtpmap:18 G729/8000
a=ptime:20
a=sendonly
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[21] SIP/2.0 200 OK

```

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKee56d63c731
From: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992580
To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e0005792ed7bd-60c74783
Call-ID: fa27780-67015274-1510-2d050505@5.5.5.45
Date: Wed, 13 Jun 2007 20:24:22 GMT
CSeq: 101 INVITE
Server: Cisco-CP7960G/7.5
Contact: <sip:3034040@5.5.5.242:5060>
Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
Supported: replaces
Content-Length: 248
Content-Type: application/sdp
Content-Disposition: session;handling=optional

```

```

v=0
o=Cisco-SIPUA 5780 0 IN IP4 5.5.5.242
s=SIP Call
t=0 0
m=audio 24044 RTP/AVP 0 8 18 101
c=IN IP4 5.5.5.242
a=rtpmap:0 PCMU/8000
a=rtpmap:8 PCMA/8000
a=rtpmap:18 G729/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=sendrecv

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[22] ACK sip:3034040@5.5.5.242:5060 SIP/2.0

```

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKee73df2d024
From: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992580
To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e0005792ed7bd-60c74783
Date: Wed, 13 Jun 2007 20:24:20 GMT
Call-ID: fa27780-67015274-1510-2d050505@5.5.5.45
Max-Forwards: 70
CSeq: 101 ACK
Allow-Events: presence
Content-Type: application/sdp
Content-Length: 205

```

```

v=0
o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.241
t=0 0
m=audio 23080 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[23] SIP/2.0 183 Session Progress

```

Via: SIP/2.0/UDP 5.5.5.241:5060;branch=z9hG4bK347cfb00
From: "3034030" <sip:3034030@5.5.5.45>;tag=001a2fcb77d6000637d31afc-781f90c4
To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992579
Date: Wed, 13 Jun 2007 20:24:20 GMT
Call-ID: 001a2fcb-77d60006-0fa07fec-0d6ab813@5.5.5.241
CSeq: 101 INVITE
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
Allow-Events: presence
Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=called;screen=yes;privacy=off
Contact: <sip:3034040@5.5.5.45:5060>
Content-Type: application/sdp
Content-Length: 205

```

```

v=0
o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45

```

```
s=SIP Call
c=IN IP4 5.5.5.242
t=0 0
m=audio 24044 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

```
[24] SIP/2.0 200 OK
Via: SIP/2.0/UDP 5.5.5.241:5060;branch=z9hG4bK347cfb00
From: "3034030" <sip:3034030@5.5.5.45>;tag=001a2fcb77d6000637d31afc-781f90c4
To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992579
Date: Wed, 13 Jun 2007 20:24:20 GMT
Call-ID: 001a2fcb-77d60006-0fa07fec-0d6ab813@5.5.5.241
CSeq: 101 INVITE
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
Allow-Events: presence
Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=called;screen=yes;privacy=off
Contact: <sip:3034040@5.5.5.45:5060>
Supported: replaces
Content-Type: application/sdp
Content-Length: 205
```

```
v=0
o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.242
t=0 0
m=audio 24044 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

```
[25] SIP/2.0 200 OK
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKee6b03cffa
From: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992577
To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0015602eb153-400c8cf5
Call-ID: 001a2f8d-f17f000b-15af6584-2eec1761@5.5.5.240
Date: Wed, 13 Jun 2007 20:24:23 GMT
CSeq: 101 INVITE
Server: Cisco-CP7960G/7.5
Contact: <sip:3034010@5.5.5.240:5060>
Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
Supported: replaces
Content-Length: 198
Content-Type: application/sdp
Content-Disposition: session;handling=optional
```

```
v=0
o=Cisco-SIPUA 4052 1 IN IP4 5.5.5.240
s=SIP Call
t=0 0
m=audio 17876 RTP/AVP 0 101
c=IN IP4 5.5.5.240
a=rtpmap:0 PCMU/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=recvnly
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

```
[26] ACK sip:3034010@5.5.5.240:5060 SIP/2.0
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKee86ceb8043
From: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992577
To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0015602eb153-400c8cf5
Date: Wed, 13 Jun 2007 20:24:22 GMT
Call-ID: 001a2f8d-f17f000b-15af6584-2eec1761@5.5.5.240
Max-Forwards: 70
CSeq: 101 ACK
Allow-Events: presence
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

```
[27] SIP/2.0 200 OK
Via: SIP/2.0/UDP 5.5.5.242:5060;branch=z9hG4bK6c6ce502
From: <sip:3034040@5.5.5.242>;tag=0018b93bb53e00040dde0650-30aafc7c
```

To: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992578
 Date: Wed, 13 Jun 2007 20:24:22 GMT
 Call-ID: a452d00-6701526b-150e-2d050505@5.5.5.45
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034040@5.5.5.45:5060>
 Supported: replaces
 Content-Type: application/sdp
 Content-Length: 217

v=0
 o=CiscoSystemsCCM-SIP 2000 2 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.240
 t=0 0
 m=audio 17876 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=recvnonly
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[28] ACK sip:3034040@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.241:5060;branch=z9hG4bK77866934
 From: "3034030" <sip:3034030@5.5.5.45>;tag=001a2fcb77d6000637d31afc-781f90c4
 To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992579
 Call-ID: 001a2fcb-77d60006-0fa07fec-0d6ab813@5.5.5.241
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 20:24:22 GMT
 CSeq: 101 ACK
 User-Agent: Cisco-CP7960G/7.5
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[29] ACK sip:3034040@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.242:5060;branch=z9hG4bK624e9bef
 From: <sip:3034040@5.5.5.242>;tag=0018b93bb53e00040dde0650-30aafc7c
 To: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992578
 Call-ID: a452d00-6701526b-150e-2d050505@5.5.5.45
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 20:24:22 GMT
 CSeq: 101 ACK
 User-Agent: Cisco-CP7960G/7.5
 Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[30] BYE sip:3034040@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.242:5060;branch=z9hG4bK73382c38
 From: <sip:3034040@5.5.5.242>;tag=0018b93bb53e0005792ed7bd-60c74783
 To: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992580
 Call-ID: fa27780-67015274-1510-2d050505@5.5.5.45
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 20:24:29 GMT
 CSeq: 101 BYE
 User-Agent: Cisco-CP7960G/7.5
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[31] BYE sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKee968f86cd8
 From: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992579
 To: "3034030" <sip:3034030@5.5.5.45>;tag=001a2fcb77d6000637d31afc-781f90c4
 Date: Wed, 13 Jun 2007 20:24:23 GMT
 Call-ID: 001a2fcb-77d60006-0fa07fec-0d6ab813@5.5.5.241
 User-Agent: Cisco-CCM6.0
 Max-Forwards: 70
 CSeq: 101 BYE
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[32] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.242:5060;branch=z9hG4bK73382c38
 From: <sip:3034040@5.5.5.242>;tag=0018b93bb53e0005792ed7bd-60c74783
 To: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992580
 Date: Wed, 13 Jun 2007 20:24:29 GMT

Call-ID: fa27780-67015274-1510-2d050505@5.5.5.45
 CSeq: 101 BYE
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[33] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKee968f86cd8
 From: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992579
 To: "3034030" <sip:3034030@5.5.5.45>;tag=001a2fcb77d6000637d31afc-781f90c4
 Call-ID: 001a2fcb-77d60006-0fa07fec-0d6ab813@5.5.5.241
 Date: Wed, 13 Jun 2007 20:24:29 GMT
 CSeq: 101 BYE
 Server: Cisco-CP7960G/7.5
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[34] INVITE sip:3034040@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.242:5060;branch=z9hG4bK31a6a2de
 From: <sip:3034040@5.5.5.242>;tag=0018b93bb53e00040dde0650-30aafc7c
 To: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992578
 Call-ID: a452d00-6701526b-150e-2d050505@5.5.5.45
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 20:24:30 GMT
 CSeq: 102 INVITE
 User-Agent: Cisco-CP7960G/7.5
 Contact: <sip:3034040@5.5.5.242:5060>
 Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 25431 2 IN IP4 5.5.5.242
 s=SIP Call
 t=0 0
 m=audio 24040 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.242
 a=rtptime:0 PCMU/8000
 a=rtptime:8 PCMA/8000
 a=rtptime:18 G729/8000
 a=rtptime:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[35] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.242:5060;branch=z9hG4bK31a6a2de
 From: <sip:3034040@5.5.5.242>;tag=0018b93bb53e00040dde0650-30aafc7c
 To: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992578
 Date: Wed, 13 Jun 2007 20:24:31 GMT
 Call-ID: a452d00-6701526b-150e-2d050505@5.5.5.45
 CSeq: 102 INVITE
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[36] INVITE sip:3034010@5.5.5.240:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKee69dff67f
 Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992577
 To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0015602eb153-400c8cf5
 Date: Wed, 13 Jun 2007 20:24:31 GMT
 Call-ID: 001a2f8d-f17f000b-15af6584-2eec1761@5.5.5.240
 Supported: timer,replaces
 Min-SE: 1800
 Cisco-Guid: 172305664-1728139883-5389-755303685
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 102 INVITE
 Max-Forwards: 70
 Contact: <sip:3034040@5.5.5.45:5060>
 Expires: 180
 Allow-Events: presence
 Content-Type: application/sdp
 Content-Length: 279

v=0
 o=CiscoSystemsCCM-SIP 2000 3 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.242

```
t=0 0
m=audio 24040 RTP/AVP 0 8 18 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:8 PCMA/8000
a=ptime:20
a=rtpmap:18 G729/8000
a=ptime:20
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[37] SIP/2.0 200 OK

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKeea69dff67f
From: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992577
To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0015602eb153-400c8cf5
Call-ID: 001a2f8d-f17f000b-15af6584-2eec1761@5.5.5.240
Date: Wed, 13 Jun 2007 20:24:32 GMT
CSeq: 102 INVITE
Server: Cisco-CP7960G/7.5
Contact: <sip:3034010@5.5.5.240:5060>
Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
Supported: replaces
Content-Length: 198
Content-Type: application/sdp
Content-Disposition: session;handling=optional
```

```
v=0
o=Cisco-SIPUA 4052 2 IN IP4 5.5.5.240
s=SIP Call
t=0 0
m=audio 17876 RTP/AVP 0 101
c=IN IP4 5.5.5.240
a=rtpmap:0 PCMU/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=sendrecv
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[38] ACK sip:3034010@5.5.5.240:5060 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKeeb4d6a9f21
From: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992577
To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0015602eb153-400c8cf5
Date: Wed, 13 Jun 2007 20:24:31 GMT
Call-ID: 001a2f8d-f17f000b-15af6584-2eec1761@5.5.5.240
Max-Forwards: 70
CSeq: 102 ACK
Allow-Events: presence
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[39] SIP/2.0 200 OK

```
Via: SIP/2.0/UDP 5.5.5.242:5060;branch=z9hG4bK31a6a2de
From: <sip:3034040@5.5.5.242>;tag=0018b93bb53e00040dde0650-30aafc7c
To: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992578
Date: Wed, 13 Jun 2007 20:24:31 GMT
Call-ID: a452d00-6701526b-150e-2d050505@5.5.5.45
CSeq: 102 INVITE
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
Allow-Events: presence
Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=called;screen=yes;privacy=off
Contact: <sip:3034040@5.5.5.45:5060>
Supported: replaces
Content-Type: application/sdp
Content-Length: 205
```

```
v=0
o=CiscoSystemsCCM-SIP 2000 3 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.240
t=0 0
m=audio 17876 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[40] ACK sip:3034040@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.242:5060;branch=z9hG4bK10d1cb2d
 From: <sip:3034040@5.5.5.242>;tag=0018b93bb53e00040dde0650-30aafc7c
 To: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992578
 Call-ID: a452d00-6701526b-150e-2d050505@5.5.5.45
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 20:24:31 GMT
 CSeq: 102 ACK
 User-Agent: Cisco-CP7960G/7.5
 Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[41] BYE sip:3034040@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK1b5f855f
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0015602eb153-400c8cf5
 To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992577
 Call-ID: 001a2f8d-f17f000b-15af6584-2eec1761@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 20:24:36 GMT
 CSeq: 102 BYE
 User-Agent: Cisco-CP7960G/7.5
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[42] BYE sip:3034040@5.5.5.242:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKeec1e621dab
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992578
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e00040dde0650-30aafc7c
 Date: Wed, 13 Jun 2007 20:24:31 GMT
 Call-ID: a452d00-6701526b-150e-2d050505@5.5.5.45
 User-Agent: Cisco-CCM6.0
 Max-Forwards: 70
 CSeq: 102 BYE
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[43] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK1b5f855f
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0015602eb153-400c8cf5
 To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992577
 Date: Wed, 13 Jun 2007 20:24:35 GMT
 Call-ID: 001a2f8d-f17f000b-15af6584-2eec1761@5.5.5.240
 CSeq: 102 BYE
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[44] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKeec1e621dab
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992578
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e00040dde0650-30aafc7c
 Call-ID: a452d00-6701526b-150e-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 20:24:35 GMT
 CSeq: 102 BYE
 Server: Cisco-CP7960G/7.5
 Content-Length: 0

2.9 Basic Call - SIP Basic calls SIP Basic No Answer

Title: Basic Call - SIP Basic calls SIP Basic No Answer

Description:

A SIP Basic phone calls another SIP Basic phone but the target phone goes onhook cancelling the call.

Configuration:

Node = Unified CM, IP = 5.5.5.45

Phone = G, Line = 3034010, IP = 5.5.5.240, Model = SIP Basic

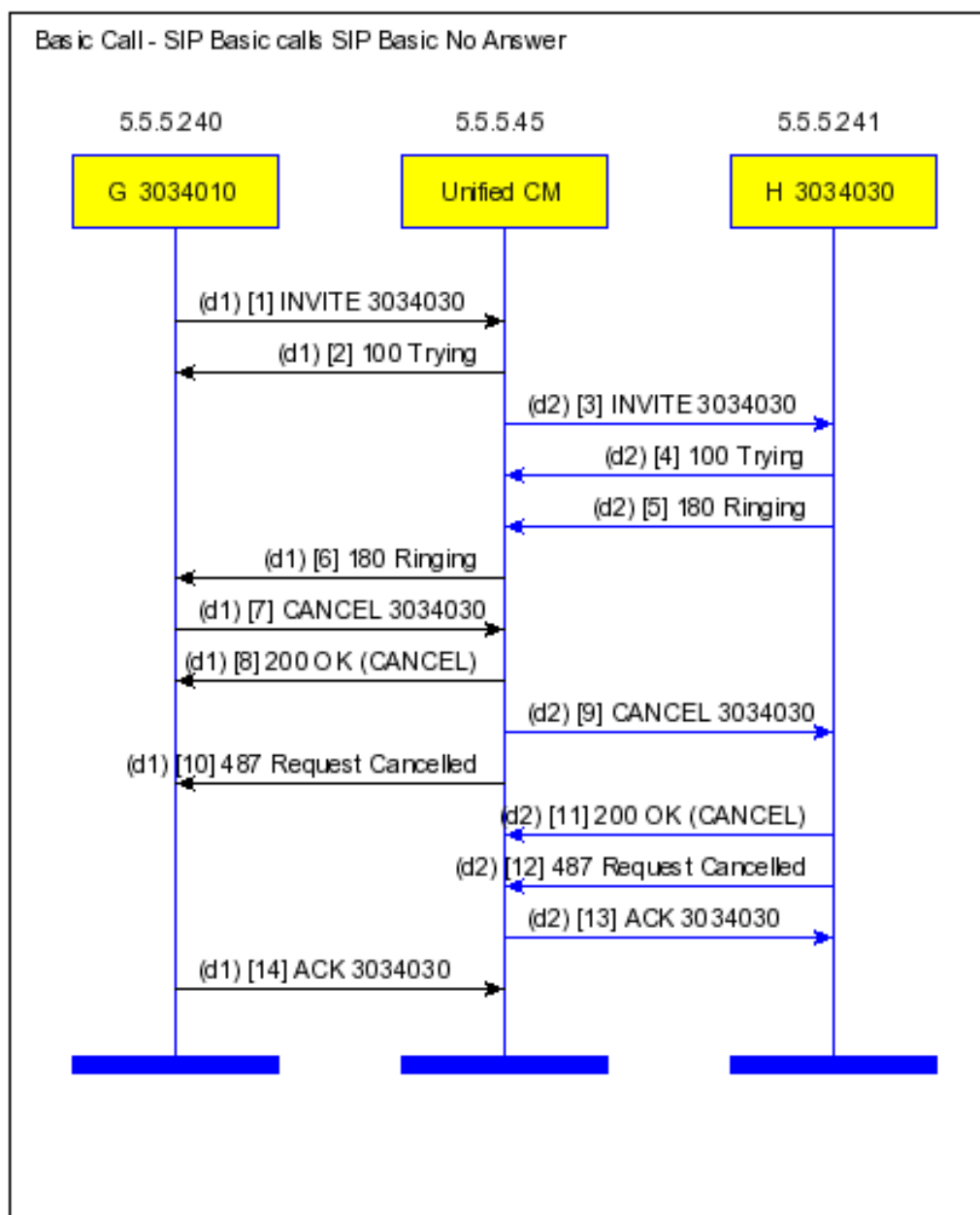
Phone = H, Line = 3034030, IP = 5.5.5.241, Model = SIP Basic

Scenario:

3034010 calls 3034030

3034030 does not answer

3034010 goes onhook



[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[1] INVITE sip:3034030@5.5.5.45 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK2e35cba1
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f00042831d20b-713c1017
 To: <sip:3034030@5.5.5.45>
 Call-ID: 001a2f8d-f17f0004-2c6c186c-40abc5d8@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 20:07:46 GMT
 CSeq: 101 INVITE
 User-Agent: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Expires: 180
 Accept: application/sdp
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 248
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 6560 0 IN IP4 5.5.5.240
 s=SIP Call
 t=0 0
 m=audio 17848 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.240
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[2] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK2e35cba1
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f00042831d20b-713c1017
 To: <sip:3034030@5.5.5.45>
 Date: Wed, 13 Jun 2007 20:07:46 GMT
 Call-ID: 001a2f8d-f17f0004-2c6c186c-40abc5d8@5.5.5.240
 CSeq: 101 INVITE
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[3] INVITE sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKed42cb32d36
 Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992561
 To: <sip:3034030@5.5.5.241>
 Date: Wed, 13 Jun 2007 20:07:46 GMT
 Call-ID: bf2a1a80-67014e92-14ea-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 101 INVITE
 Expires: 180
 Allow-Events: presence
 Alert-Info: <file://Bellcore-dr1/>
 Contact: <sip:3034030@5.5.5.45:5060>
 Max-Forwards: 69
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[4] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKed42cb32d36
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992561
 To: <sip:3034030@5.5.5.241>
 Call-ID: bf2a1a80-67014e92-14ea-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 20:07:46 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[5] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKed42cb32d36
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992561
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d600070815b674-75400bc5
 Call-ID: bf2a1a80-67014e92-14ea-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 20:07:46 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[6] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK2e35cba1
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f00042831d20b-713c1017
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992560
 Date: Wed, 13 Jun 2007 20:07:46 GMT
 Call-ID: 001a2f8d-f17f0004-2c6c186c-40abc5d8@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Alerting 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[7] CANCEL sip:3034030@5.5.5.45 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK2e35cba1
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f00042831d20b-713c1017
 To: <sip:3034030@5.5.5.45>
 Call-ID: 001a2f8d-f17f0004-2c6c186c-40abc5d8@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 20:07:50 GMT
 CSeq: 101 CANCEL
 User-Agent: Cisco-CP7960G/7.5
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[8] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK2e35cba1
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f00042831d20b-713c1017
 To: <sip:3034030@5.5.5.45>
 Date: Wed, 13 Jun 2007 20:07:50 GMT
 Call-ID: 001a2f8d-f17f0004-2c6c186c-40abc5d8@5.5.5.240
 CSeq: 101 CANCEL
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[9] CANCEL sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKed42cb32d36
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992561
 To: <sip:3034030@5.5.5.241>
 Date: Wed, 13 Jun 2007 20:07:46 GMT
 Call-ID: bf2a1a80-67014e92-14ea-2d050505@5.5.5.45
 CSeq: 101 CANCEL
 Max-Forwards: 70
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[10] SIP/2.0 487 Request Cancelled

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK2e35cba1
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f00042831d20b-713c1017
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992560
 Date: Wed, 13 Jun 2007 20:07:50 GMT
 Call-ID: 001a2f8d-f17f0004-2c6c186c-40abc5d8@5.5.5.240
 CSeq: 101 INVITE
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[11] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKed42cb32d36
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992561
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d600070815b674-75400bc5
 Call-ID: bf2a1a80-67014e92-14ea-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 20:07:50 GMT
 CSeq: 101 CANCEL
 Server: Cisco-CP7960G/7.5
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[12] SIP/2.0 487 Request Cancelled

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKed42cb32d36
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992561
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d600070815b674-75400bc5
 Call-ID: bf2a1a80-67014e92-14ea-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 20:07:50 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[13] ACK sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKed42cb32d36
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992561
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d600070815b674-75400bc5
 Date: Wed, 13 Jun 2007 20:07:46 GMT
 Call-ID: bf2a1a80-67014e92-14ea-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 101 ACK
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[14] ACK sip:3034030@5.5.5.45 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK2e35cba1
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f00042831d20b-713c1017
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992560
 Call-ID: 001a2f8d-f17f0004-2c6c186c-40abc5d8@5.5.5.240
 Date: Wed, 13 Jun 2007 20:07:50 GMT
 CSeq: 101 ACK
 Content-Length: 0

2.10 Call Screening (Normal blocked)

Title: Call Screening (Normal blocked)

Description:

A SIP Basic phone attempts to call a blocked dialing pattern.

In this scenario, the blocked pattern (667) is configured with a "no error" blocking reason.

Note, SIP TNP and SCCP phones would clear the call on the phone without playing re-order. However a 3rd party or Cisco Unified IP Phone 7960 with a POS3-07-5-00 might play re-order.

Configuration:

Node = Unified CM, IP = 5.5.5.45

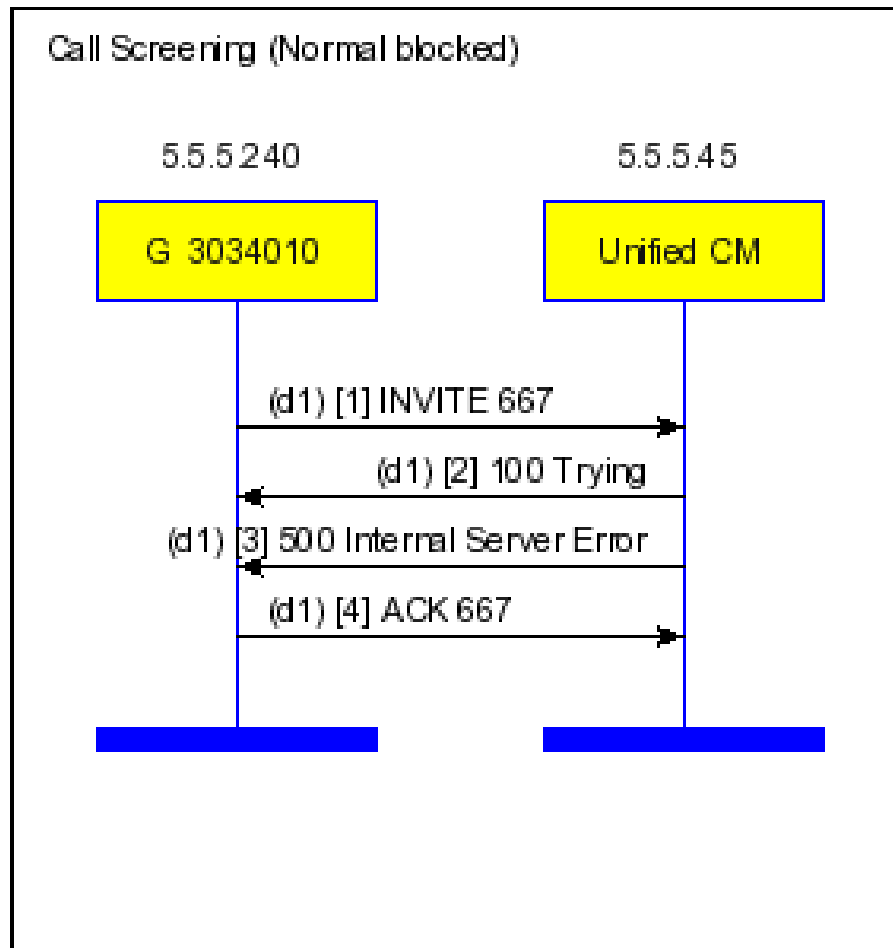
Phone = G, Line = 3034010, IP = 5.5.5.240, Model = SIP Basic

Scenario:

3034010 dials 667

Unified CM generates a 500 back to the phone

3034010 goes onhook



[diagram] Call-ID: [prev][next]

[1] INVITE sip:667@5.5.5.45 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK6906e7ab
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f000b6de7ef33-33dfab42
 To: <sip:667@5.5.5.45>
 Call-ID: 001a2f8d-f17f0008-668d132d-2d857448@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 20:13:00 GMT
 CSeq: 101 INVITE
 User-Agent: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Expires: 180
 Accept: application/sdp
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 248
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 3922 0 IN IP4 5.5.5.240
 s=SIP Call
 t=0 0
 m=audio 17864 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.240
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[diagram] Call-ID: [prev][next]

[2] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK6906e7ab
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f000b6de7ef33-33dfab42
 To: <sip:667@5.5.5.45>
 Date: Wed, 13 Jun 2007 20:13:00 GMT
 Call-ID: 001a2f8d-f17f0008-668d132d-2d857448@5.5.5.240
 CSeq: 101 INVITE
 Allow-Events: presence
 Content-Length: 0

[diagram] Call-ID: [prev][next]

[3] SIP/2.0 500 Internal Server Error

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK6906e7ab
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f000b6de7ef33-33dfab42
 To: <sip:667@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992571
 Date: Wed, 13 Jun 2007 20:13:00 GMT
 Call-ID: 001a2f8d-f17f0008-668d132d-2d857448@5.5.5.240
 CSeq: 101 INVITE
 Allow-Events: presence
 Content-Length: 0

[diagram] Call-ID: [prev][next]

[4] ACK sip:667@5.5.5.45 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK6906e7ab
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f000b6de7ef33-33dfab42
 To: <sip:667@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992571
 Call-ID: 001a2f8d-f17f0008-668d132d-2d857448@5.5.5.240
 Date: Wed, 13 Jun 2007 20:13:00 GMT
 CSeq: 101 ACK
 Content-Length: 0

2.11 Call Screening (Rejected blocked)

Title: Call Screening (Rejected blocked)

Description:

A SIP Basic phone attempts to call a blocked dialing pattern.
In this scenario, the blocked pattern (666) is configured with a "call rejected" blocking reason.

Configuration:

Node = Unified CM, IP = 5.5.5.45

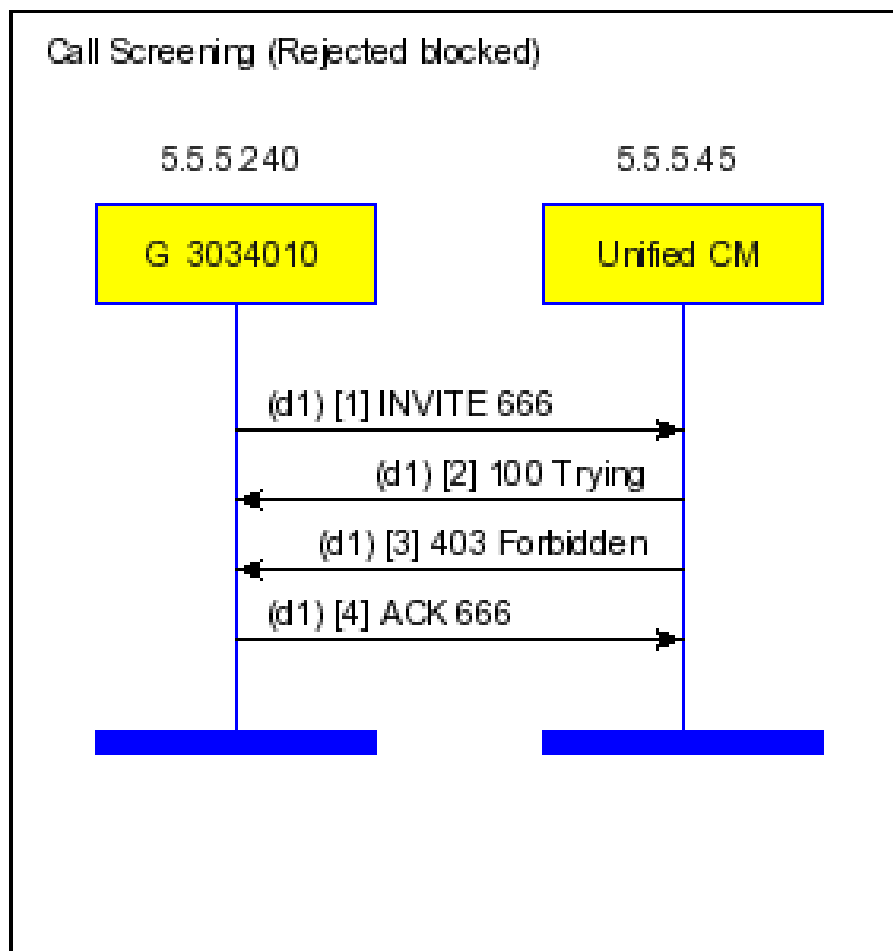
Phone = G, Line = 3034010, IP = 5.5.5.240, Model = SIP Basic

Scenario:

3034010 dials 666

Unified CM generates a 403 to the phone and the phone plays reorder

3034010 goes onhook



[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[1] INVITE sip:666@5.5.5.45 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK738cd139
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f000d4d109179-7640596e
 To: <sip:666@5.5.5.45>
 Call-ID: 001a2f8d-f17f0009-4bf23871-3e5c432c@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 20:14:14 GMT
 CSeq: 101 INVITE
 User-Agent: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Expires: 180
 Accept: application/sdp
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 14803 0 IN IP4 5.5.5.240
 s=SIP Call
 t=0 0
 m=audio 17868 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.240
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[2] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK738cd139
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f000d4d109179-7640596e
 To: <sip:666@5.5.5.45>
 Date: Wed, 13 Jun 2007 20:14:14 GMT
 Call-ID: 001a2f8d-f17f0009-4bf23871-3e5c432c@5.5.5.240
 CSeq: 101 INVITE
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[3] SIP/2.0 403 Forbidden

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK738cd139
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f000d4d109179-7640596e
 To: <sip:666@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992573
 Date: Wed, 13 Jun 2007 20:14:14 GMT
 Call-ID: 001a2f8d-f17f0009-4bf23871-3e5c432c@5.5.5.240
 CSeq: 101 INVITE
 Allow-Events: presence
 Reason: Q.850;cause=21
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[4] ACK sip:666@5.5.5.45 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK738cd139
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f000d4d109179-7640596e
 To: <sip:666@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992573
 Call-ID: 001a2f8d-f17f0009-4bf23871-3e5c432c@5.5.5.240
 Date: Wed, 13 Jun 2007 20:14:14 GMT
 CSeq: 101 ACK
 Content-Length: 0

2.12 Basic Call - SIP Basic calls unknown number

Title: Basic Call - SIP Basic calls unknown number

Description:

A SIP Basic phone calls an unknown number. "2099" is not configured.

Configuration:

Node = Unified CM, IP = 5.5.5.45

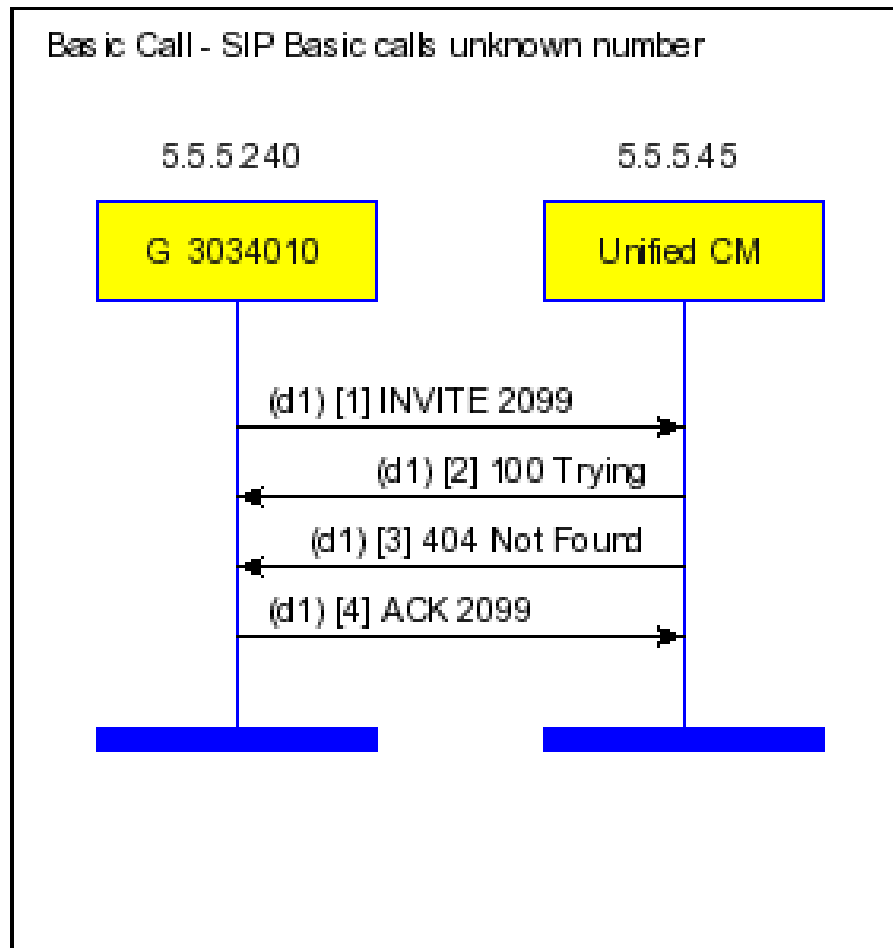
Phone = G, Line = 3034010, IP = 5.5.5.240, Model = SIP Basic

Scenario:

3034010 calls 2099

"404 not found" is sent back to 3034010

3034010 goes onhook



[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[1] INVITE sip:2099@5.5.5.45 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK06974b09
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f000a2d0df991-3d735d65
 To: <sip:2099@5.5.5.45>
 Call-ID: 001a2f8d-f17f0007-35b30e47-4143f362@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 20:12:24 GMT
 CSeq: 101 INVITE
 User-Agent: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Expires: 180
 Accept: application/sdp
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 27548 0 IN IP4 5.5.5.240
 s=SIP Call
 t=0 0
 m=audio 17860 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.240
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[2] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK06974b09
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f000a2d0df991-3d735d65
 To: <sip:2099@5.5.5.45>
 Date: Wed, 13 Jun 2007 20:12:25 GMT
 Call-ID: 001a2f8d-f17f0007-35b30e47-4143f362@5.5.5.240
 CSeq: 101 INVITE
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[3] SIP/2.0 404 Not Found

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK06974b09
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f000a2d0df991-3d735d65
 To: <sip:2099@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992569
 Date: Wed, 13 Jun 2007 20:12:25 GMT
 Call-ID: 001a2f8d-f17f0007-35b30e47-4143f362@5.5.5.240
 CSeq: 101 INVITE
 Allow-Events: presence
 Reason: Q.850;cause=1
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[4] ACK sip:2099@5.5.5.45 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK06974b09
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f000a2d0df991-3d735d65
 To: <sip:2099@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992569
 Call-ID: 001a2f8d-f17f0007-35b30e47-4143f362@5.5.5.240
 Date: Wed, 13 Jun 2007 20:12:25 GMT
 CSeq: 101 ACK
 Content-Length: 0

2.13 486 Busy Here

Title: 486 Busy Here

Description:

Most SIP phones driven by the Unified CM will have their "busy trigger" managed by the Unified CM such that if enough active calls to make the phone "busy" are already detected on that device then the Unified CM won't send additional INVITEs.

It is possible to either configure the Unified CM such that its "busy" definition is for more active calls than the phone can handle or to make the phone busy with calls the Unified CM is not aware of.

If the phone detects that its busy it can respond with 486 Busy Here.

Note: Unified CM's configured call forward busy to DN's or call forward busy to voicemail will not be triggered by 486.

Configuration:

Node = Unified CM, IP = 5.5.5.45

Phone = G, Line = 3034010, IP = 5.5.5.240, Model = SIP Basic

Phone = H, Line = 3034030, IP = 5.5.5.241, Model = SIP Basic

Phone = L, Line = 3034040, IP = 5.5.5.242, Model = SIP Basic

Scenario:

(Setup: Make 3034030 Busy)

3034040 calls 3034030

3034030 rings

3034030 answers

3034040 and 3034030 are connected

3034030 puts 3034040 on hold

3034030 starts a new call (does not finish dialing)

(This makes the line "busy"...no more calls accepted)

(Actual Call)

3034010 calls 3034030

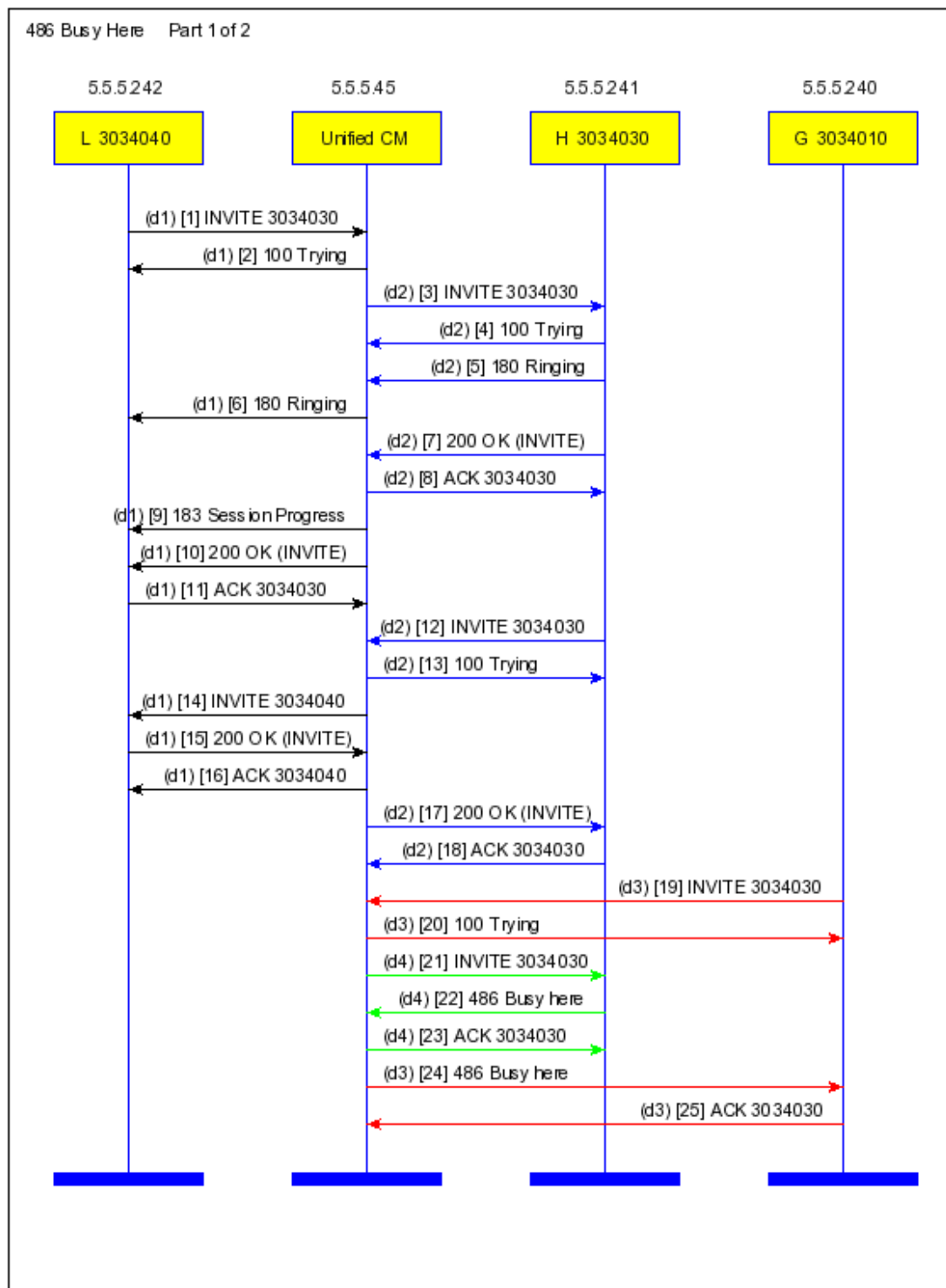
3034030 responds with "486 Busy Here"

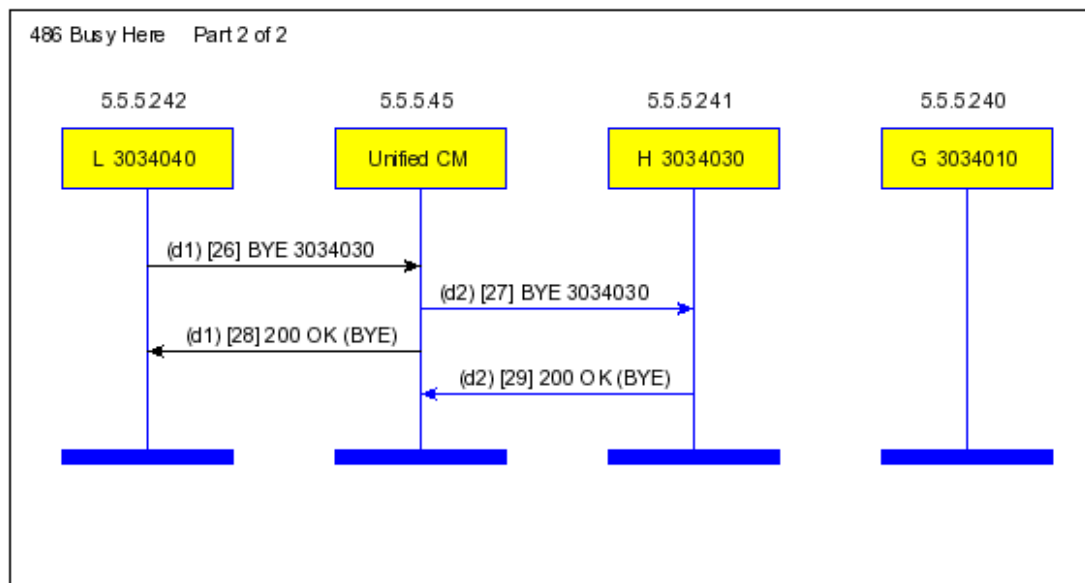
3034010 gets busy tone

3034010 goes onhook

3034040 goes onhook

3034030 goes onhook





[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[1] INVITE sip:30340300@5.5.5.45 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.242:5060;branch=z9hG4bK4b77e3e8
 From: "3034040" <sip:3034040@5.5.5.45>;tag=0018b93bb53e000915dde79e-2f11759d
 To: <sip:30340300@5.5.5.45>
 Call-ID: 0018b93b-b53e0004-7fa86eda-45cc35ab@5.5.5.242
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 20:27:36 GMT
 CSeq: 101 INVITE
 User-Agent: Cisco-CP7960G/7.5
 Contact: <sip:3034040@5.5.5.242:5060>
 Expires: 180
 Accept: application/sdp
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 19409 0 IN IP4 5.5.5.242
 s=SIP Call
 t=0 0
 m=audio 24052 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.242
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[2] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.242:5060;branch=z9hG4bK4b77e3e8
 From: "3034040" <sip:3034040@5.5.5.45>;tag=0018b93bb53e000915dde79e-2f11759d
 To: <sip:30340300@5.5.5.45>
 Date: Wed, 13 Jun 2007 20:27:37 GMT
 Call-ID: 0018b93b-b53e0004-7fa86eda-45cc35ab@5.5.5.242
 CSeq: 101 INVITE
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[3] INVITE sip:30340300@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKef75e932df9
 Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992587
 To: <sip:30340300@5.5.5.241>
 Date: Wed, 13 Jun 2007 20:27:37 GMT
 Call-ID: 850e4800-67015339-151c-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 101 INVITE
 Expires: 180
 Allow-Events: presence
 Alert-Info: <file://Bellcore-dr1/>
 Contact: <sip:30340300@5.5.5.45:5060>
 Max-Forwards: 69
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[4] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKef75e932df9
 From: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992587
 To: <sip:30340300@5.5.5.241>
 Call-ID: 850e4800-67015339-151c-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 20:27:36 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:30340300@5.5.5.241:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034030" <sip:30340300@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[5] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKef75e932df9
 From: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992587
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000a352c79e4-492e5c09
 Call-ID: 850e4800-67015339-151c-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 20:27:36 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[6] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.242:5060;branch=z9hG4bK4b77e3e8
 From: "3034040" <sip:3034040@5.5.5.45>;tag=0018b93bb53e000915dde79e-2f11759d
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992586
 Date: Wed, 13 Jun 2007 20:27:37 GMT
 Call-ID: 0018b93b-b53e0004-7fa86eda-45cc35ab@5.5.5.242
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Alerting 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[7] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKef75e932df9
 From: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992587
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000a352c79e4-492e5c09
 Call-ID: 850e4800-67015339-151c-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 20:27:37 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 15644 0 IN IP4 5.5.5.241
 s=SIP Call
 t=0 0
 m=audio 23088 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.241
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[8] ACK sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKef819b6b301
 From: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992587
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000a352c79e4-492e5c09
 Date: Wed, 13 Jun 2007 20:27:37 GMT
 Call-ID: 850e4800-67015339-151c-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 101 ACK
 Allow-Events: presence
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.242
 t=0 0
 m=audio 24052 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[9] SIP/2.0 183 Session Progress

Via: SIP/2.0/UDP 5.5.5.242:5060;branch=z9hG4bK4b77e3e8
 From: "3034040" <sip:3034040@5.5.5.45>;tag=0018b93bb53e000915dde79e-2f11759d
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992586
 Date: Wed, 13 Jun 2007 20:27:37 GMT
 Call-ID: 0018b93b-b53e0004-7fa86eda-45cc35ab@5.5.5.242
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Alerting 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.241
 t=0 0
 m=audio 23088 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[10] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.242:5060;branch=z9hG4bK4b77e3e8
 From: "3034040" <sip:3034040@5.5.5.45>;tag=0018b93bb53e000915dde79e-2f11759d
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992586
 Date: Wed, 13 Jun 2007 20:27:37 GMT
 Call-ID: 0018b93b-b53e0004-7fa86eda-45cc35ab@5.5.5.242
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Supported: replaces
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.241
 t=0 0
 m=audio 23088 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[11] ACK sip:3034030@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.242:5060;branch=z9hG4bK20d11d96
 From: "3034040" <sip:3034040@5.5.5.45>;tag=0018b93bb53e000915dde79e-2f11759d
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992586
 Call-ID: 0018b93b-b53e0004-7fa86eda-45cc35ab@5.5.5.242
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 20:27:38 GMT
 CSeq: 101 ACK
 User-Agent: Cisco-CP7960G/7.5
 Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[12] INVITE sip:3034030@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.241:5060;branch=z9hG4bK727f38b6
 From: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000a352c79e4-492e5c09
 To: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992587
 Call-ID: 850e4800-67015339-151c-2d050505@5.5.5.45
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 20:27:39 GMT
 CSeq: 101 INVITE
 User-Agent: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 249
 Content-Type: application/sdp

Content-Disposition: session;handling=optional

```
v=0
o=Cisco-SIPUA 15644 1 IN IP4 5.5.5.241
s=SIP Call
t=0 0
m=audio 23088 RTP/AVP 0 8 18 101
c=IN IP4 5.5.5.241
a=rtpmap:0 PCMU/8000
a=rtpmap:8 PCMA/8000
a=rtpmap:18 G729/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=sendonly
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[13] SIP/2.0 100 Trying

```
Via: SIP/2.0/UDP 5.5.5.241:5060;branch=z9hG4bK727f38b6
From: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000a352c79e4-492e5c09
To: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992587
Date: Wed, 13 Jun 2007 20:27:39 GMT
Call-ID: 850e4800-67015339-151c-2d050505@5.5.5.45
CSeq: 101 INVITE
Allow-Events: presence
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[14] INVITE sip:3034040@5.5.5.242:5060 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKef968b4a3de
Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=calling;screen=yes;privacy=off
From: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992586
To: "3034040" <sip:3034040@5.5.5.45>;tag=0018b93bb53e000915dde79e-2f11759d
Date: Wed, 13 Jun 2007 20:27:39 GMT
Call-ID: 0018b93b-b53e0004-7fa86eda-45cc35ab@5.5.5.242
Supported: timer,replaces
Min-SE: 1800
Cisco-Guid: 2232305664-1728140089-5403-755303685
User-Agent: Cisco-CCM6.0
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
CSeq: 101 INVITE
Max-Forwards: 70
Contact: <sip:3034030@5.5.5.45:5060>
Expires: 180
Allow-Events: presence
Content-Type: application/sdp
Content-Length: 291
```

```
v=0
o=CiscoSystemsCCM-SIP 2000 2 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.241
t=0 0
m=audio 23088 RTP/AVP 0 8 18 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:8 PCMA/8000
a=ptime:20
a=rtpmap:18 G729/8000
a=ptime:20
a=sendonly
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[15] SIP/2.0 200 OK

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKef968b4a3de
From: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992586
To: "3034040" <sip:3034040@5.5.5.45>;tag=0018b93bb53e000915dde79e-2f11759d
Call-ID: 0018b93b-b53e0004-7fa86eda-45cc35ab@5.5.5.242
Date: Wed, 13 Jun 2007 20:27:39 GMT
CSeq: 101 INVITE
Server: Cisco-CP7960G/7.5
Contact: <sip:3034040@5.5.5.242:5060>
Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=calling;id-type=subscriber;privacy=off;screen=yes
Supported: replaces
Content-Length: 199
Content-Type: application/sdp
Content-Disposition: session;handling=optional
```

```
v=0
o=Cisco-SIPUA 19409 1 IN IP4 5.5.5.242
s=SIP Call
t=0 0
m=audio 24052 RTP/AVP 0 101
c=IN IP4 5.5.5.242
a=rtpmap:0 PCMU/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=recvnly
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

```
[16] ACK sip:3034040@5.5.5.242:5060 SIP/2.0
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKefa5f64d5e
From: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992586
To: "3034040" <sip:3034040@5.5.5.45>;tag=0018b93bb53e000915dde79e-2f11759d
Date: Wed, 13 Jun 2007 20:27:39 GMT
Call-ID: 0018b93b-b53e0004-7fa86eda-45cc35ab@5.5.5.242
Max-Forwards: 70
CSeq: 101 ACK
Allow-Events: presence
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

```
[17] SIP/2.0 200 OK
Via: SIP/2.0/UDP 5.5.5.241:5060;branch=z9hG4bK727f38b6
From: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000a352c79e4-492e5c09
To: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992587
Date: Wed, 13 Jun 2007 20:27:39 GMT
Call-ID: 850e4800-67015339-151c-2d050505@5.5.5.45
CSeq: 101 INVITE
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
Allow-Events: presence
Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=called;screen=yes;privacy=off
Contact: <sip:3034030@5.5.5.45:5060>
Supported: replaces
Content-Type: application/sdp
Content-Length: 217
```

```
v=0
o=CiscoSystemsCCM-SIP 2000 2 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.242
t=0 0
m=audio 24052 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=recvnly
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

```
[18] ACK sip:3034030@5.5.5.45:5060 SIP/2.0
Via: SIP/2.0/UDP 5.5.5.241:5060;branch=z9hG4bK0c471d44
From: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000a352c79e4-492e5c09
To: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992587
Call-ID: 850e4800-67015339-151c-2d050505@5.5.5.45
Max-Forwards: 70
Date: Wed, 13 Jun 2007 20:27:39 GMT
CSeq: 101 ACK
User-Agent: Cisco-CP7960G/7.5
Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

```
[19] INVITE sip:3034030@5.5.5.45 SIP/2.0
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK6927fb83
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001a68724b7c-686f2846
To: <sip:3034030@5.5.5.45>
Call-ID: 001a2f8d-f17f000e-7600fe91-6f69a3ea@5.5.5.240
Max-Forwards: 70
Date: Wed, 13 Jun 2007 20:27:47 GMT
CSeq: 101 INVITE
User-Agent: Cisco-CP7960G/7.5
Contact: <sip:3034010@5.5.5.240:5060>
Expires: 180
Accept: application/sdp
Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
Supported: replaces
```

Content-Length: 248
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 9643 0 IN IP4 5.5.5.240
 s=SIP Call
 t=0 0
 m=audio 17888 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.240
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[20] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK6927fb83
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001a68724b7c-686f2846
 To: <sip:3034030@5.5.5.45>
 Date: Wed, 13 Jun 2007 20:27:47 GMT
 Call-ID: 001a2f8d-f17f000e-7600fe91-6f69a3ea@5.5.5.240
 CSeq: 101 INVITE
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[21] INVITE sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKefb4ecd34a7
 Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992590
 To: <sip:3034030@5.5.5.241>
 Date: Wed, 13 Jun 2007 20:27:47 GMT
 Call-ID: 8b042900-67015343-151e-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 101 INVITE
 Expires: 180
 Allow-Events: presence
 Alert-Info: <file://Bellcore-dr1/>
 Contact: <sip:3034030@5.5.5.45:5060>
 Max-Forwards: 69
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[22] SIP/2.0 486 Busy here

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKefb4ecd34a7
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992590
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000b2e245ffb-12dc3c4c
 Call-ID: 8b042900-67015343-151e-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 20:27:47 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[23] ACK sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKefb4ecd34a7
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992590
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000b2e245ffb-12dc3c4c
 Date: Wed, 13 Jun 2007 20:27:47 GMT
 Call-ID: 8b042900-67015343-151e-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 101 ACK
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[24] SIP/2.0 486 Busy here

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK6927fb83
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001a68724b7c-686f2846
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992589
 Date: Wed, 13 Jun 2007 20:27:47 GMT

Call-ID: 001a2f8d-f17f000e-7600fe91-6f69a3ea@5.5.5.240
 CSeq: 101 INVITE
 Allow-Events: presence
 Reason: Q.850;cause=17
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[25] ACK sip:30340300@5.5.5.45 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK6927fb83
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001a68724b7c-686f2846
 To: <sip:30340300@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992589
 Call-ID: 001a2f8d-f17f000e-7600fe91-6f69a3ea@5.5.5.240
 Date: Wed, 13 Jun 2007 20:27:47 GMT
 CSeq: 101 ACK
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[26] BYE sip:30340300@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.242:5060;branch=z9hG4bK200963df
 From: "3034040" <sip:3034040@5.5.5.45>;tag=0018b93bb53e000915dde79e-2f11759d
 To: <sip:30340300@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992586
 Call-ID: 0018b93b-b53e0004-7fa86eda-45cc35ab@5.5.5.242
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 20:27:52 GMT
 CSeq: 102 BYE
 User-Agent: Cisco-CP7960G/7.5
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[27] BYE sip:30340300@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKefc52a5a31d
 From: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992587
 To: <sip:30340300@5.5.5.241>;tag=001a2fcb77d6000a352c79e4-492e5c09
 Date: Wed, 13 Jun 2007 20:27:40 GMT
 Call-ID: 850e4800-67015339-151c-2d050505@5.5.5.45
 User-Agent: Cisco-CCM6.0
 Max-Forwards: 70
 CSeq: 102 BYE
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[28] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.242:5060;branch=z9hG4bK200963df
 From: "3034040" <sip:3034040@5.5.5.45>;tag=0018b93bb53e000915dde79e-2f11759d
 To: <sip:30340300@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992586
 Date: Wed, 13 Jun 2007 20:27:53 GMT
 Call-ID: 0018b93b-b53e0004-7fa86eda-45cc35ab@5.5.5.242
 CSeq: 102 BYE
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[29] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKefc52a5a31d
 From: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992587
 To: <sip:30340300@5.5.5.241>;tag=001a2fcb77d6000a352c79e4-492e5c09
 Call-ID: 850e4800-67015339-151c-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 20:27:52 GMT
 CSeq: 102 BYE
 Server: Cisco-CP7960G/7.5
 Content-Length: 0

3. Hold Resume

3.1 Basic Call - Call Hold and Resume (SIP to SIP)

Title: Basic Call - Call Hold and Resume (SIP to SIP)

Description:

A SIP Basic phone calls another SIP Basic phone and presses hold. No MOH is heard. The holder presses resume and two-way speech is restored.

Configuration:

Node = Unified CM, IP = 5.5.5.45

Phone = G, Line = 3034010, IP = 5.5.5.240, Model = SIP Basic

Phone = H, Line = 3034030, IP = 5.5.5.241, Model = SIP Basic

Scenario:

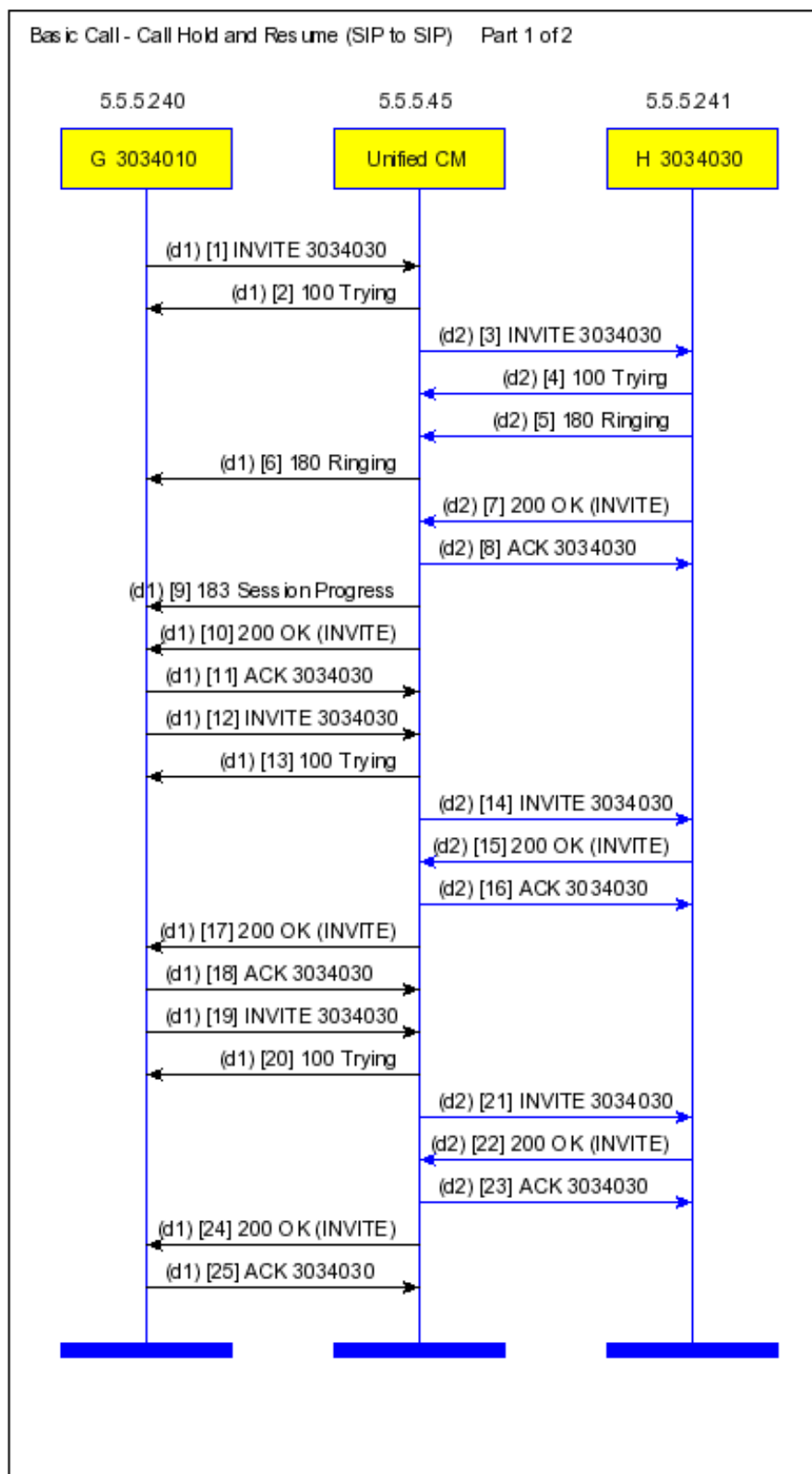
3034010 calls 3034030

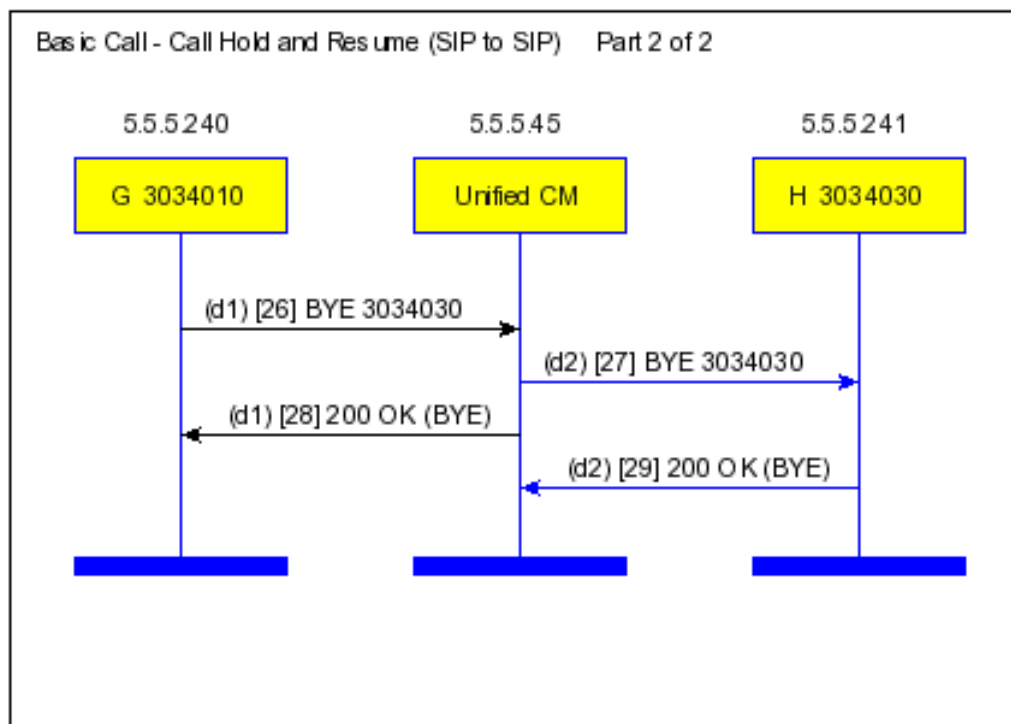
3034030 answers

3034010 presses hold

3034010 presses resume

3034010 goes onhook





[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[1] INVITE sip:3034030@5.5.5.45 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK72719eff
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001c7f56c89a-472614ad
 To: <sip:3034030@5.5.5.45>
 Call-ID: 001a2f8d-f17f000f-5a13f235-7dfce57b@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 20:29:28 GMT
 CSeq: 101 INVITE
 User-Agent: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Expires: 180
 Accept: application/sdp
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 13096 0 IN IP4 5.5.5.240
 s=SIP Call
 t=0 0
 m=audio 17892 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.240
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[2] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK72719eff
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001c7f56c89a-472614ad
 To: <sip:3034030@5.5.5.45>
 Date: Wed, 13 Jun 2007 20:29:28 GMT
 Call-ID: 001a2f8d-f17f000f-5a13f235-7dfce57b@5.5.5.240
 CSeq: 101 INVITE
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[3] INVITE sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKefd51b1d7d2
 Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992593
 To: <sip:3034030@5.5.5.241>
 Date: Wed, 13 Jun 2007 20:29:28 GMT
 Call-ID: c7378980-670153a8-1522-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 101 INVITE
 Expires: 180
 Allow-Events: presence
 Alert-Info: <file://Bellcore-dr1/>
 Contact: <sip:3034030@5.5.5.45:5060>
 Max-Forwards: 69
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[4] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKefd51b1d7d2
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992593
 To: <sip:3034030@5.5.5.241>
 Call-ID: c7378980-670153a8-1522-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 20:29:27 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[5] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKefd51b1d7d2
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992593
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000d195d9801-6b50b112
 Call-ID: c7378980-670153a8-1522-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 20:29:27 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[6] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK72719eff
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001c7f56c89a-472614ad
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992592
 Date: Wed, 13 Jun 2007 20:29:28 GMT
 Call-ID: 001a2f8d-f17f000f-5a13f235-7dfce57b@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Alerting 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[7] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKefd51b1d7d2
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992593
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000d195d9801-6b50b112
 Call-ID: c7378980-670153a8-1522-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 20:29:29 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 248
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 1138 0 IN IP4 5.5.5.241
 s=SIP Call
 t=0 0
 m=audio 23092 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.241
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[8] ACK sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKefe2749169d
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992593
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000d195d9801-6b50b112
 Date: Wed, 13 Jun 2007 20:29:28 GMT
 Call-ID: c7378980-670153a8-1522-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 101 ACK
 Allow-Events: presence
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.240
 t=0 0
 m=audio 17892 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[9] SIP/2.0 183 Session Progress

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK72719eff
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001c7f56c89a-472614ad
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992592
 Date: Wed, 13 Jun 2007 20:29:28 GMT
 Call-ID: 001a2f8d-f17f000f-5a13f235-7dfce57b@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Alerting 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.241
 t=0 0
 m=audio 23092 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[10] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK72719eff
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001c7f56c89a-472614ad
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992592
 Date: Wed, 13 Jun 2007 20:29:28 GMT
 Call-ID: 001a2f8d-f17f000f-5a13f235-7dfce57b@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Supported: replaces
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.241
 t=0 0
 m=audio 23092 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[11] ACK sip:3034030@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK7248b724
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001c7f56c89a-472614ad
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992592
 Call-ID: 001a2f8d-f17f000f-5a13f235-7dfce57b@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 20:29:30 GMT
 CSeq: 101 ACK
 User-Agent: Cisco-CP7960G/7.5
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[12] INVITE sip:3034030@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK5e83b643
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001c7f56c89a-472614ad
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992592
 Call-ID: 001a2f8d-f17f000f-5a13f235-7dfce57b@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 20:29:31 GMT
 CSeq: 102 INVITE
 User-Agent: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 249
 Content-Type: application/sdp

Content-Disposition: session;handling=optional

```
v=0
o=Cisco-SIPUA 13096 1 IN IP4 5.5.5.240
s=SIP Call
t=0 0
m=audio 17892 RTP/AVP 0 8 18 101
c=IN IP4 5.5.5.240
a=rtpmap:0 PCMU/8000
a=rtpmap:8 PCMA/8000
a=rtpmap:18 G729/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=sendonly
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[13] SIP/2.0 100 Trying

```
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK5e83b643
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001c7f56c89a-472614ad
To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992592
Date: Wed, 13 Jun 2007 20:29:32 GMT
Call-ID: 001a2f8d-f17f000f-5a13f235-7dfce57b@5.5.5.240
CSeq: 102 INVITE
Allow-Events: presence
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[14] INVITE sip:3034030@5.5.5.241:5060 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKeff5f5b3878
Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=off
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992593
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000d195d9801-6b50b112
Date: Wed, 13 Jun 2007 20:29:32 GMT
Call-ID: c7378980-670153a8-1522-2d050505@5.5.5.45
Supported: timer,replaces
Min-SE: 1800
User-Agent: Cisco-CCM6.0
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
CSeq: 102 INVITE
Max-Forwards: 70
Contact: <sip:3034010@5.5.5.45:5060>
Expires: 180
Allow-Events: presence
Content-Type: application/sdp
Content-Length: 291
```

```
v=0
o=CiscoSystemsCCM-SIP 2000 2 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.240
t=0 0
m=audio 17892 RTP/AVP 0 8 18 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:8 PCMA/8000
a=ptime:20
a=rtpmap:18 G729/8000
a=ptime:20
a=sendonly
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[15] SIP/2.0 200 OK

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKeff5f5b3878
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992593
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000d195d9801-6b50b112
Call-ID: c7378980-670153a8-1522-2d050505@5.5.5.45
Date: Wed, 13 Jun 2007 20:29:31 GMT
CSeq: 102 INVITE
Server: Cisco-CP7960G/7.5
Contact: <sip:3034030@5.5.5.241:5060>
Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
Supported: replaces
Content-Length: 198
Content-Type: application/sdp
Content-Disposition: session;handling=optional
```

v=0

```

o=Cisco-SIPUA 1138 1 IN IP4 5.5.5.241
s=SIP Call
t=0 0
m=audio 23092 RTP/AVP 0 101
c=IN IP4 5.5.5.241
a=rtpmap:0 PCMU/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=recvnonly

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[16] ACK sip:3034030@5.5.5.241:5060 SIP/2.0

```

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf0019246aea
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992593
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000d195d9801-6b50b112
Date: Wed, 13 Jun 2007 20:29:32 GMT
Call-ID: c7378980-670153a8-1522-2d050505@5.5.5.45
Max-Forwards: 70
CSeq: 102 ACK
Allow-Events: presence
Content-Length: 0

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[17] SIP/2.0 200 OK

```

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK5e83b643
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001c7f56c89a-472614ad
To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992592
Date: Wed, 13 Jun 2007 20:29:32 GMT
Call-ID: 001a2f8d-f17f000f-5a13f235-7dfce57b@5.5.5.240
CSeq: 102 INVITE
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
Allow-Events: presence
Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
Contact: <sip:3034030@5.5.5.45:5060>
Supported: replaces
Content-Type: application/sdp
Content-Length: 217

```

```

v=0
o=CiscoSystemsCCM-SIP 2000 2 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.241
t=0 0
m=audio 23092 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=recvnonly
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[18] ACK sip:3034030@5.5.5.45:5060 SIP/2.0

```

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK08028469
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001c7f56c89a-472614ad
To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992592
Call-ID: 001a2f8d-f17f000f-5a13f235-7dfce57b@5.5.5.240
Max-Forwards: 70
Date: Wed, 13 Jun 2007 20:29:32 GMT
CSeq: 102 ACK
User-Agent: Cisco-CP7960G/7.5
Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
Content-Length: 0

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[19] INVITE sip:3034030@5.5.5.45:5060 SIP/2.0

```

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK597d30c3
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001c7f56c89a-472614ad
To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992592
Call-ID: 001a2f8d-f17f000f-5a13f235-7dfce57b@5.5.5.240
Max-Forwards: 70
Date: Wed, 13 Jun 2007 20:29:51 GMT
CSeq: 103 INVITE
User-Agent: Cisco-CP7960G/7.5
Contact: <sip:3034010@5.5.5.240:5060>
Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
Content-Length: 249
Content-Type: application/sdp
Content-Disposition: session;handling=optional

```

```
v=0
```

```

o=Cisco-SIPUA 13096 2 IN IP4 5.5.5.240
s=SIP Call
t=0 0
m=audio 17892 RTP/AVP 0 8 18 101
c=IN IP4 5.5.5.240
a=rtpmap:0 PCMU/8000
a=rtpmap:8 PCMA/8000
a=rtpmap:18 G729/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=sendrecv

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[20] SIP/2.0 100 Trying

```

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK597d30c3
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001c7f56c89a-472614ad
To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992592
Date: Wed, 13 Jun 2007 20:29:51 GMT
Call-ID: 001a2f8d-f17f000f-5a13f235-7dfce57b@5.5.5.240
CSeq: 103 INVITE
Allow-Events: presence
Content-Length: 0

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[21] INVITE sip:3034030@5.5.5.241:5060 SIP/2.0

```

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf014519a3e5
Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=off
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992593
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000d195d9801-6b50b112
Date: Wed, 13 Jun 2007 20:29:51 GMT
Call-ID: c7378980-670153a8-1522-2d050505@5.5.5.45
Supported: timer,replaces
Min-SE: 1800
User-Agent: Cisco-CCM6.0
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
CSeq: 103 INVITE
Max-Forwards: 70
Contact: <sip:3034010@5.5.5.45:5060>
Expires: 180
Allow-Events: presence
Content-Type: application/sdp
Content-Length: 279

```

```

v=0
o=CiscoSystemsCCM-SIP 2000 3 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.240
t=0 0
m=audio 17892 RTP/AVP 0 8 18 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:8 PCMA/8000
a=ptime:20
a=rtpmap:18 G729/8000
a=ptime:20
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[22] SIP/2.0 200 OK

```

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf014519a3e5
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992593
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000d195d9801-6b50b112
Call-ID: c7378980-670153a8-1522-2d050505@5.5.5.45
Date: Wed, 13 Jun 2007 20:29:51 GMT
CSeq: 103 INVITE
Server: Cisco-CP7960G/7.5
Contact: <sip:3034030@5.5.5.241:5060>
Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
Supported: replaces
Content-Length: 198
Content-Type: application/sdp
Content-Disposition: session;handling=optional

```

```

v=0
o=Cisco-SIPUA 1138 2 IN IP4 5.5.5.241
s=SIP Call
t=0 0
m=audio 23092 RTP/AVP 0 101

```

```
c=IN IP4 5.5.5.241
a=rtpmap:0 PCMU/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=sendrecv
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[23] ACK sip:30340300@5.5.5.241:5060 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf021bcad488
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992593
To: <sip:30340300@5.5.5.241>;tag=001a2fcb77d6000d195d9801-6b50b112
Date: Wed, 13 Jun 2007 20:29:51 GMT
Call-ID: c7378980-670153a8-1522-2d050505@5.5.5.45
Max-Forwards: 70
CSeq: 103 ACK
Allow-Events: presence
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[24] SIP/2.0 200 OK

```
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK597d30c3
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001c7f56c89a-472614ad
To: <sip:30340300@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992592
Date: Wed, 13 Jun 2007 20:29:51 GMT
Call-ID: 001a2f8d-f17f000f-5a13f235-7dfce57b@5.5.5.240
CSeq: 103 INVITE
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
Allow-Events: presence
Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
Contact: <sip:3034030@5.5.5.45:5060>
Supported: replaces
Content-Type: application/sdp
Content-Length: 205
```

```
v=0
o=CiscoSystemsCCM-SIP 2000 3 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.241
t=0 0
m=audio 23092 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[25] ACK sip:30340300@5.5.5.45:5060 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK22817909
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001c7f56c89a-472614ad
To: <sip:30340300@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992592
Call-ID: 001a2f8d-f17f000f-5a13f235-7dfce57b@5.5.5.240
Max-Forwards: 70
Date: Wed, 13 Jun 2007 20:29:51 GMT
CSeq: 103 ACK
User-Agent: Cisco-CP7960G/7.5
Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[26] BYE sip:30340300@5.5.5.45:5060 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK7e1f46ed
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001c7f56c89a-472614ad
To: <sip:30340300@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992592
Call-ID: 001a2f8d-f17f000f-5a13f235-7dfce57b@5.5.5.240
Max-Forwards: 70
Date: Wed, 13 Jun 2007 20:29:53 GMT
CSeq: 104 BYE
User-Agent: Cisco-CP7960G/7.5
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[27] BYE sip:30340300@5.5.5.241:5060 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf0373dc46c2
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992593
To: <sip:30340300@5.5.5.241>;tag=001a2fcb77d6000d195d9801-6b50b112
Date: Wed, 13 Jun 2007 20:29:51 GMT
Call-ID: c7378980-670153a8-1522-2d050505@5.5.5.45
User-Agent: Cisco-CCM6.0
Max-Forwards: 70
CSeq: 104 BYE
```

Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[28] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK7e1f46ed
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001c7f56c89a-472614ad
To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992592
Date: Wed, 13 Jun 2007 20:29:54 GMT
Call-ID: 001a2f8d-f17f000f-5a13f235-7dfce57b@5.5.5.240
CSeq: 104 BYE
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[29] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf0373dc46c2
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992593
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000d195d9801-6b50b112
Call-ID: c7378980-670153a8-1522-2d050505@5.5.5.45
Date: Wed, 13 Jun 2007 20:29:53 GMT
CSeq: 104 BYE
Server: Cisco-CP7960G/7.5
Content-Length: 0

3.2 Basic Call - Call Hold and Resume (SIP to SCCP)

Title: Basic Call - Call Hold and Resume (SIP to SCCP)

Description:

SIP Basic phone calls an SCCP phone and presses hold. No MOH is heard. SIP Basic phone presses resume and two-way speech is restored.

Configuration:

Node = Unified CM, IP = 5.5.5.45

Phone = G, Line = 3034010, IP = 5.5.5.240, Model = SIP Basic

Phone = I, Line = 3031010, IP = 5.5.5.217, Model = SCCP

Scenario:

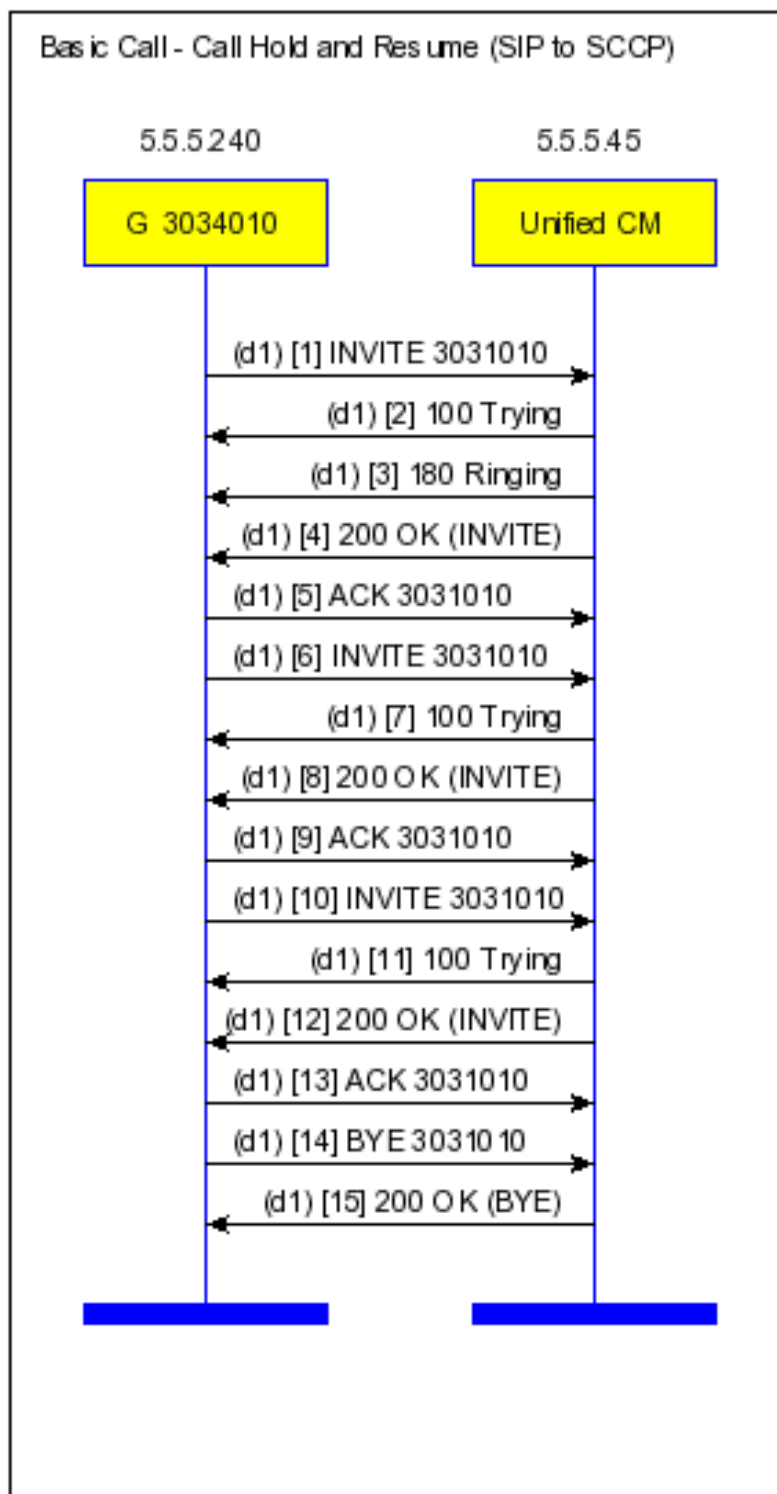
3034010 calls 3031010

3031010 answers

3034010 presses hold

3034010 presses resume

3034010 goes onhook



[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[1] INVITE sip:3031010@5.5.5.45 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK44183bc8
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001f3f416e59-5c8e3752
 To: <sip:3031010@5.5.5.45>
 Call-ID: 001a2f8d-f17f0010-324040c6-189d00e1@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 20:33:17 GMT
 CSeq: 101 INVITE
 User-Agent: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Expires: 180
 Accept: application/sdp
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 15705 0 IN IP4 5.5.5.240
 s=SIP Call
 t=0 0
 m=audio 17896 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.240
 a=rtptime:0 PCMU/8000
 a=rtptime:8 PCMA/8000
 a=rtptime:18 G729/8000
 a=rtptime:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[2] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK44183bc8
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001f3f416e59-5c8e3752
 To: <sip:3031010@5.5.5.45>
 Date: Wed, 13 Jun 2007 20:33:18 GMT
 Call-ID: 001a2f8d-f17f0010-324040c6-189d00e1@5.5.5.240
 CSeq: 101 INVITE
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[3] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK44183bc8
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001f3f416e59-5c8e3752
 To: <sip:3031010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992595
 Date: Wed, 13 Jun 2007 20:33:18 GMT
 Call-ID: 001a2f8d-f17f0010-324040c6-189d00e1@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "Megan" <sip:3031010@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3031010@5.5.5.45:5060>
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[4] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK44183bc8
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001f3f416e59-5c8e3752
 To: <sip:3031010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992595
 Date: Wed, 13 Jun 2007 20:33:18 GMT
 Call-ID: 001a2f8d-f17f0010-324040c6-189d00e1@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "Megan" <sip:3031010@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3031010@5.5.5.45:5060>
 Supported: replaces
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.217
 t=0 0
 m=audio 25104 RTP/AVP 0 101

```
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[5] ACK sip:3031010@5.5.5.45:5060 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK111de3f4
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001f3f416e59-5c8e3752
To: <sip:3031010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992595
Call-ID: 001a2f8d-f17f0010-324040c6-189d00e1@5.5.5.240
Max-Forwards: 70
Date: Wed, 13 Jun 2007 20:33:22 GMT
CSeq: 101 ACK
User-Agent: Cisco-CP7960G/7.5
Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[6] INVITE sip:3031010@5.5.5.45:5060 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK23348cbf
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001f3f416e59-5c8e3752
To: <sip:3031010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992595
Call-ID: 001a2f8d-f17f0010-324040c6-189d00e1@5.5.5.240
Max-Forwards: 70
Date: Wed, 13 Jun 2007 20:33:25 GMT
CSeq: 102 INVITE
User-Agent: Cisco-CP7960G/7.5
Contact: <sip:3034010@5.5.5.240:5060>
Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
Content-Length: 249
Content-Type: application/sdp
Content-Disposition: session;handling=optional
```

```
v=0
o=Cisco-SIPUA 15705 1 IN IP4 5.5.5.240
s=SIP Call
t=0 0
m=audio 17896 RTP/AVP 0 8 18 101
c=IN IP4 5.5.5.240
a=rtpmap:0 PCMU/8000
a=rtpmap:8 PCMA/8000
a=rtpmap:18 G729/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=sendonly
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[7] SIP/2.0 100 Trying

```
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK23348cbf
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001f3f416e59-5c8e3752
To: <sip:3031010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992595
Date: Wed, 13 Jun 2007 20:33:25 GMT
Call-ID: 001a2f8d-f17f0010-324040c6-189d00e1@5.5.5.240
CSeq: 102 INVITE
Allow-Events: presence
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[8] SIP/2.0 200 OK

```
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK23348cbf
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001f3f416e59-5c8e3752
To: <sip:3031010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992595
Date: Wed, 13 Jun 2007 20:33:25 GMT
Call-ID: 001a2f8d-f17f0010-324040c6-189d00e1@5.5.5.240
CSeq: 102 INVITE
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
Allow-Events: presence
Remote-Party-ID: "Megan" <sip:3031010@5.5.5.45>;party=called;screen=yes;privacy=off
Contact: <sip:3031010@5.5.5.45:5060>
Supported: replaces
Content-Type: application/sdp
Content-Length: 217
```

```
v=0
o=CiscoSystemsCCM-SIP 2000 2 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.217
t=0 0
m=audio 25104 RTP/AVP 0 101
```

```

a=rtpmap:0 PCMU/8000
a=ptime:20
a=recvonly
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[9] ACK sip:3031010@5.5.5.45:5060 SIP/2.0

```

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK356d3a53
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001f3f416e59-5c8e3752
To: <sip:3031010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992595
Call-ID: 001a2f8d-f17f0010-324040c6-189d00e1@5.5.5.240
Max-Forwards: 70
Date: Wed, 13 Jun 2007 20:33:25 GMT
CSeq: 102 ACK
User-Agent: Cisco-CP7960G/7.5
Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
Content-Length: 0

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[10] INVITE sip:3031010@5.5.5.45:5060 SIP/2.0

```

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK7f3890b8
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001f3f416e59-5c8e3752
To: <sip:3031010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992595
Call-ID: 001a2f8d-f17f0010-324040c6-189d00e1@5.5.5.240
Max-Forwards: 70
Date: Wed, 13 Jun 2007 20:33:40 GMT
CSeq: 103 INVITE
User-Agent: Cisco-CP7960G/7.5
Contact: <sip:3034010@5.5.5.240:5060>
Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
Content-Length: 249
Content-Type: application/sdp
Content-Disposition: session;handling=optional

```

```

v=0
o=Cisco-SIPUA 15705 2 IN IP4 5.5.5.240
s=SIP Call
t=0 0
m=audio 17896 RTP/AVP 0 8 18 101
c=IN IP4 5.5.5.240
a=rtpmap:0 PCMU/8000
a=rtpmap:8 PCMA/8000
a=rtpmap:18 G729/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=sendrecv

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[11] SIP/2.0 100 Trying

```

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK7f3890b8
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001f3f416e59-5c8e3752
To: <sip:3031010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992595
Date: Wed, 13 Jun 2007 20:33:41 GMT
Call-ID: 001a2f8d-f17f0010-324040c6-189d00e1@5.5.5.240
CSeq: 103 INVITE
Allow-Events: presence
Content-Length: 0

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[12] SIP/2.0 200 OK

```

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK7f3890b8
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001f3f416e59-5c8e3752
To: <sip:3031010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992595
Date: Wed, 13 Jun 2007 20:33:41 GMT
Call-ID: 001a2f8d-f17f0010-324040c6-189d00e1@5.5.5.240
CSeq: 103 INVITE
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
Allow-Events: presence
Remote-Party-ID: "Megan" <sip:3031010@5.5.5.45>;party=called;screen=yes;privacy=off
Contact: <sip:3031010@5.5.5.45:5060>
Supported: replaces
Content-Type: application/sdp
Content-Length: 205

```

```

v=0
o=CiscoSystemsCCM-SIP 2000 3 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.217
t=0 0

```

```

m=audio 25104 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[13] ACK sip:3031010@5.5.5.45:5060 SIP/2.0

```

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK50973da0
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001f3f416e59-5c8e3752
To: <sip:3031010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992595
Call-ID: 001a2f8d-f17f0010-324040c6-189d00e1@5.5.5.240
Max-Forwards: 70
Date: Wed, 13 Jun 2007 20:33:41 GMT
CSeq: 103 ACK
User-Agent: Cisco-CP7960G/7.5
Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
Content-Length: 0

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[14] BYE sip:3031010@5.5.5.45:5060 SIP/2.0

```

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK5726ca9d
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001f3f416e59-5c8e3752
To: <sip:3031010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992595
Call-ID: 001a2f8d-f17f0010-324040c6-189d00e1@5.5.5.240
Max-Forwards: 70
Date: Wed, 13 Jun 2007 20:33:43 GMT
CSeq: 104 BYE
User-Agent: Cisco-CP7960G/7.5
Content-Length: 0

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[15] SIP/2.0 200 OK

```

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK5726ca9d
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f001f3f416e59-5c8e3752
To: <sip:3031010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992595
Date: Wed, 13 Jun 2007 20:33:43 GMT
Call-ID: 001a2f8d-f17f0010-324040c6-189d00e1@5.5.5.240
CSeq: 104 BYE
Content-Length: 0

```

4. Conference

4.1 Three Way Conference Calling (SIP Basic Phones)

Title: Three Way Conference Calling (SIP Basic Phones)

Description:

G calls H and then G conferences in L.

Configuration:

Node = Unified CM, IP = 5.5.5.45

Phone = G, Line = 3034010, IP = 5.5.5.240, Model = SIP Basic

Phone = H, Line = 3034030, IP = 5.5.5.241, Model = SIP Basic

Phone = L, Line = 3034040, IP = 5.5.5.242, Model = SIP Basic

Scenario:

3034010 calls 3034030

3034030 is ringing

3034030 answers

3034010 presses Confm softkey

3034010 dials 3034040

3034040 is ringing

3034040 answers

3034010 presses Join softkey to complete the conference

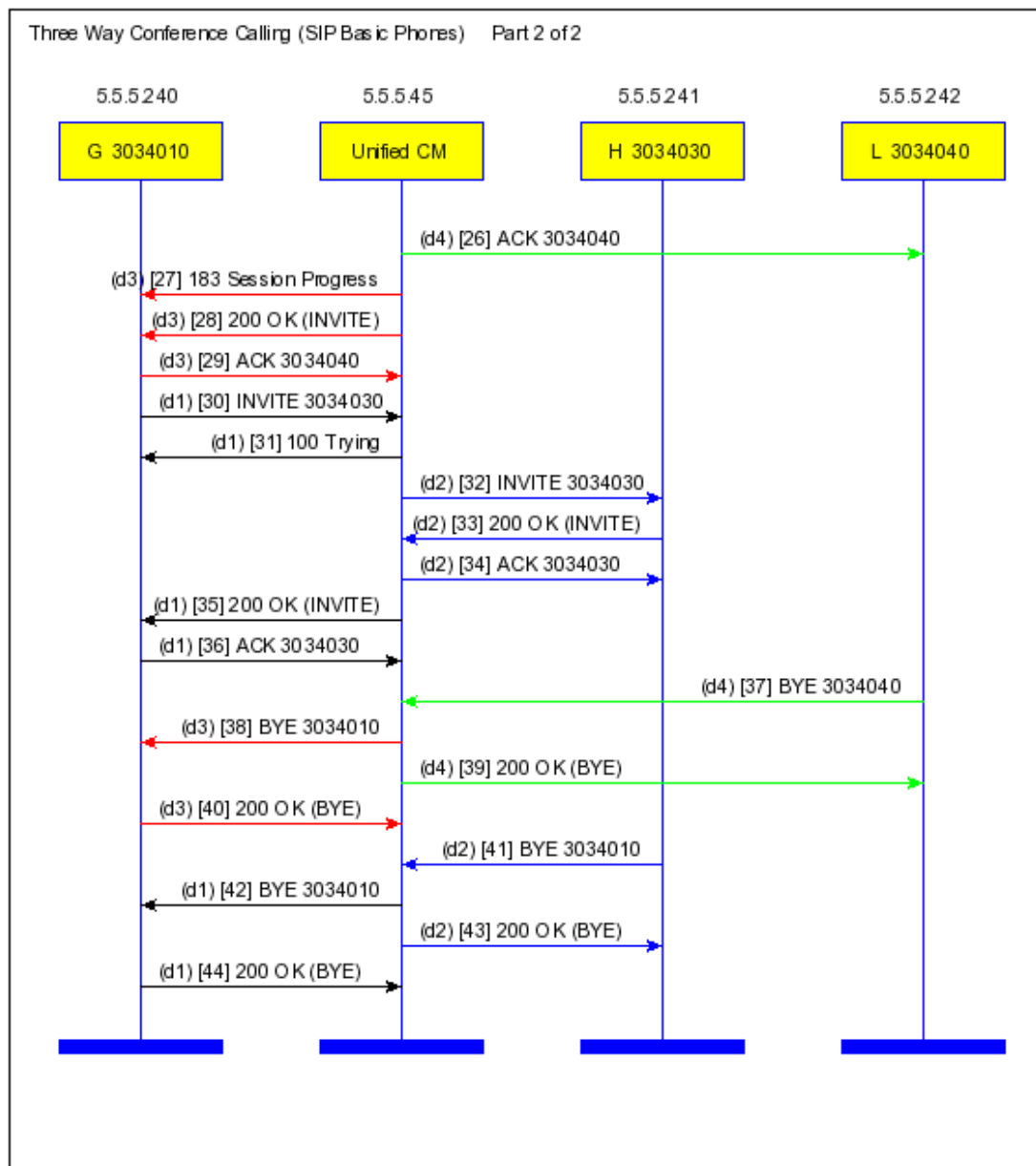
3034010, 3034030, and 3034040 are in three way conference

3034040 goes onhook

3034030 goes onhook

3034010 goes onhook





[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[1] INVITE sip:3034030@5.5.5.45 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK4d5cc1df
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f025e7c8a03a1-2e54632b
 To: <sip:3034030@5.5.5.45>
 Call-ID: 001a2f8d-f17f000d-348d67f4-05657cf7@5.5.5.240
 Max-Forwards: 70
 Date: Thu, 14 Jun 2007 13:59:45 GMT
 CSeq: 101 INVITE
 User-Agent: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Expires: 180
 Accept: application/sdp
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 16124 0 IN IP4 5.5.5.240
 s=SIP Call
 t=0 0
 m=audio 20538 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.240
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[2] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK4d5cc1df
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f025e7c8a03a1-2e54632b
 To: <sip:3034030@5.5.5.45>
 Date: Thu, 14 Jun 2007 13:59:45 GMT
 Call-ID: 001a2f8d-f17f000d-348d67f4-05657cf7@5.5.5.240
 CSeq: 101 INVITE
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[3] INVITE sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf6f1551076c
 Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992690
 To: <sip:3034030@5.5.5.241>
 Date: Thu, 14 Jun 2007 13:59:45 GMT
 Call-ID: 8046a400-671149d1-1f22-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 101 INVITE
 Expires: 180
 Allow-Events: presence
 Alert-Info: <file://Bellcore-dr1/>
 Contact: <sip:3034030@5.5.5.45:5060>
 Max-Forwards: 69
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[4] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf6f1551076c
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992690
 To: <sip:3034030@5.5.5.241>
 Call-ID: 8046a400-671149d1-1f22-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 13:59:46 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[5] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf6f1551076c
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992690
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d600130c04d4e3-36b9b371
 Call-ID: 8046a400-671149d1-1f22-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 13:59:46 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[6] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK4d5cc1df
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f025e7c8a03a1-2e54632b
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992689
 Date: Thu, 14 Jun 2007 13:59:45 GMT
 Call-ID: 001a2f8d-f17f000d-348d67f4-05657cf7@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Alerting 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[7] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf6f1551076c
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992690
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d600130c04d4e3-36b9b371
 Call-ID: 8046a400-671149d1-1f22-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 13:59:46 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 248
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 8558 0 IN IP4 5.5.5.241
 s=SIP Call
 t=0 0
 m=audio 29956 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.241
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[8] ACK sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf701a23be93
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992690
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d600130c04d4e3-36b9b371
 Date: Thu, 14 Jun 2007 13:59:45 GMT
 Call-ID: 8046a400-671149d1-1f22-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 101 ACK
 Allow-Events: presence
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.240
 t=0 0
 m=audio 20538 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[9] SIP/2.0 183 Session Progress

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK4d5cc1df
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f025e7c8a03a1-2e54632b
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992689
 Date: Thu, 14 Jun 2007 13:59:45 GMT
 Call-ID: 001a2f8d-f17f000d-348d67f4-05657cf7@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Alerting 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.241
 t=0 0
 m=audio 29956 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[10] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK4d5cc1df
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f025e7c8a03a1-2e54632b
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992689
 Date: Thu, 14 Jun 2007 13:59:45 GMT
 Call-ID: 001a2f8d-f17f000d-348d67f4-05657cf7@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Supported: replaces
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.241
 t=0 0
 m=audio 29956 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[11] ACK sip:3034030@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK6e39cccf
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f025e7c8a03a1-2e54632b
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992689
 Call-ID: 001a2f8d-f17f000d-348d67f4-05657cf7@5.5.5.240
 Max-Forwards: 70
 Date: Thu, 14 Jun 2007 13:59:47 GMT
 CSeq: 101 ACK
 User-Agent: Cisco-CP7960G/7.5
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[12] INVITE sip:3034030@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK22d308b2
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f025e7c8a03a1-2e54632b
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992689
 Call-ID: 001a2f8d-f17f000d-348d67f4-05657cf7@5.5.5.240
 Max-Forwards: 70
 Date: Thu, 14 Jun 2007 13:59:54 GMT
 CSeq: 102 INVITE
 User-Agent: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 223
 Content-Type: application/sdp

Content-Disposition: session;handling=optional

```
v=0
o=Cisco-SIPUA 16124 1 IN IP4 5.5.5.240
s=SIP Call
t=0 0
m=audio 20538 RTP/AVP 0 8 101
c=IN IP4 5.5.5.240
a=rtpmap:0 PCMU/8000
a=rtpmap:8 PCMA/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=sendonly
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[13] SIP/2.0 100 Trying

```
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK22d308b2
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f025e7c8a03a1-2e54632b
To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992689
Date: Thu, 14 Jun 2007 13:59:54 GMT
Call-ID: 001a2f8d-f17f000d-348d67f4-05657cf7@5.5.5.240
CSeq: 102 INVITE
Allow-Events: presence
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[14] INVITE sip:3034030@5.5.5.241:5060 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf7152bdbc8f
Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=off
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992690
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d600130c04d4e3-36b9b371
Date: Thu, 14 Jun 2007 13:59:54 GMT
Call-ID: 8046a400-671149d1-1f22-2d050505@5.5.5.45
Supported: timer,replaces
Min-SE: 1800
User-Agent: Cisco-CCM6.0
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
CSeq: 102 INVITE
Max-Forwards: 70
Contact: <sip:3034010@5.5.5.45:5060>
Expires: 180
Allow-Events: presence
Content-Type: application/sdp
Content-Length: 253
```

```
v=0
o=CiscoSystemsCCM-SIP 2000 2 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.240
t=0 0
m=audio 20538 RTP/AVP 0 8 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:8 PCMA/8000
a=ptime:20
a=sendonly
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[15] SIP/2.0 200 OK

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf7152bdbc8f
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992690
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d600130c04d4e3-36b9b371
Call-ID: 8046a400-671149d1-1f22-2d050505@5.5.5.45
Date: Thu, 14 Jun 2007 13:59:54 GMT
CSeq: 102 INVITE
Server: Cisco-CP7960G/7.5
Contact: <sip:3034030@5.5.5.241:5060>
Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
Supported: replaces
Content-Length: 198
Content-Type: application/sdp
Content-Disposition: session;handling=optional
```

```
v=0
o=Cisco-SIPUA 8558 1 IN IP4 5.5.5.241
s=SIP Call
t=0 0
```

```
m=audio 29956 RTP/AVP 0 101
c=IN IP4 5.5.5.241
a=rtpmap:0 PCMU/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=recvonly
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[16] ACK sip:3034030@5.5.5.241:5060 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf721273d6c4
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992690
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d600130c04d4e3-36b9b371
Date: Thu, 14 Jun 2007 13:59:54 GMT
Call-ID: 8046a400-671149d1-1f22-2d050505@5.5.5.45
Max-Forwards: 70
CSeq: 102 ACK
Allow-Events: presence
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[17] SIP/2.0 200 OK

```
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK22d308b2
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f025e7c8a03a1-2e54632b
To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992689
Date: Thu, 14 Jun 2007 13:59:54 GMT
Call-ID: 001a2f8d-f17f000d-348d67f4-05657cf7@5.5.5.240
CSeq: 102 INVITE
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
Allow-Events: presence
Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
Contact: <sip:3034030@5.5.5.45:5060>
Supported: replaces
Content-Type: application/sdp
Content-Length: 217
```

```
v=0
o=CiscoSystemsCCM-SIP 2000 2 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.241
t=0 0
m=audio 29956 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=recvonly
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[18] ACK sip:3034030@5.5.5.45:5060 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK140b5508
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f025e7c8a03a1-2e54632b
To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992689
Call-ID: 001a2f8d-f17f000d-348d67f4-05657cf7@5.5.5.240
Max-Forwards: 70
Date: Thu, 14 Jun 2007 13:59:54 GMT
CSeq: 102 ACK
User-Agent: Cisco-CP7960G/7.5
Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[19] INVITE sip:3034040@5.5.5.45 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK6075e8b7
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f025f20c82a0c-53a75bdf
To: <sip:3034040@5.5.5.45>
Call-ID: 001a2f8d-f17f000e-0c9c8a5e-08c0f666@5.5.5.240
Max-Forwards: 70
Date: Thu, 14 Jun 2007 13:59:57 GMT
CSeq: 101 INVITE
User-Agent: Cisco-CP7960G/7.5
Contact: <sip:3034010@5.5.5.240:5060>
Expires: 180
Accept: application/sdp
Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
Supported: replaces
Content-Length: 222
Content-Type: application/sdp
Content-Disposition: session;handling=optional
```

```
v=0
o=Cisco-SIPUA 1360 0 IN IP4 5.5.5.240
s=SIP Call
t=0 0
m=audio 20542 RTP/AVP 0 8 101
c=IN IP4 5.5.5.240
a=rtpmap:0 PCMU/8000
a=rtpmap:8 PCMA/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=sendrecv
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[20] SIP/2.0 100 Trying

```
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK6075e8b7
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f025f20c82a0c-53a75bdf
To: <sip:3034040@5.5.5.45>
Date: Thu, 14 Jun 2007 13:59:57 GMT
Call-ID: 001a2f8d-f17f000e-0c9c8a5e-08c0f666@5.5.5.240
CSeq: 101 INVITE
Allow-Events: presence
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[21] INVITE sip:3034040@5.5.5.242:5060 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf732f6a70c1
Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=off
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992693
To: <sip:3034040@5.5.5.242>
Date: Thu, 14 Jun 2007 13:59:57 GMT
Call-ID: 876db200-671149dd-1f24-2d050505@5.5.5.45
Supported: timer,replaces
Min-SE: 1800
User-Agent: Cisco-CCM6.0
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
CSeq: 101 INVITE
Expires: 180
Allow-Events: presence
Alert-Info: <file://Bellcore-dr1/>
Contact: <sip:3034040@5.5.5.45:5060>
Max-Forwards: 69
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[22] SIP/2.0 100 Trying

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf732f6a70c1
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992693
To: <sip:3034040@5.5.5.242>
Call-ID: 876db200-671149dd-1f24-2d050505@5.5.5.45
Date: Thu, 14 Jun 2007 13:59:58 GMT
CSeq: 101 INVITE
Server: Cisco-CP7960G/7.5
Contact: <sip:3034040@5.5.5.242:5060>
Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[23] SIP/2.0 180 Ringing

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf732f6a70c1
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992693
To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e0240264d5a07-728a2e05
Call-ID: 876db200-671149dd-1f24-2d050505@5.5.5.45
Date: Thu, 14 Jun 2007 13:59:58 GMT
CSeq: 101 INVITE
Server: Cisco-CP7960G/7.5
Contact: <sip:3034040@5.5.5.242:5060>
Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[24] SIP/2.0 180 Ringing

```
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK6075e8b7
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f025f20c82a0c-53a75bdf
To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992692
Date: Thu, 14 Jun 2007 13:59:57 GMT
Call-ID: 001a2f8d-f17f000e-0c9c8a5e-08c0f666@5.5.5.240
CSeq: 101 INVITE
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
```

Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034040@5.5.5.45:5060>
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[25] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf732f6a70c1
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992693
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e0240264d5a07-728a2e05
 Call-ID: 876db200-671149dd-1f24-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 13:59:59 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034040@5.5.5.242:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 12672 0 IN IP4 5.5.5.242
 s=SIP Call
 t=0 0
 m=audio 22298 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.242
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[26] ACK sip:3034040@5.5.5.242:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf743d3e02d2
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992693
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e0240264d5a07-728a2e05
 Date: Thu, 14 Jun 2007 13:59:57 GMT
 Call-ID: 876db200-671149dd-1f24-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 101 ACK
 Allow-Events: presence
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.240
 t=0 0
 m=audio 20542 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[27] SIP/2.0 183 Session Progress

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK6075e8b7
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f025f20c82a0c-53a75bdf
 To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992692
 Date: Thu, 14 Jun 2007 13:59:57 GMT
 Call-ID: 001a2f8d-f17f000e-0c9c8a5e-08c0f666@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034040@5.5.5.45:5060>
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.242
 t=0 0
 m=audio 22298 RTP/AVP 0 101

```
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[28] SIP/2.0 200 OK

```
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK6075e8b7
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f025f20c82a0c-53a75bdf
To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992692
Date: Thu, 14 Jun 2007 13:59:57 GMT
Call-ID: 001a2f8d-f17f000e-0c9c8a5e-08c0f666@5.5.5.240
CSeq: 101 INVITE
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
Allow-Events: presence
Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=called;screen=yes;privacy=off
Contact: <sip:3034040@5.5.5.45:5060>
Supported: replaces
Content-Type: application/sdp
Content-Length: 205
```

```
v=0
o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.242
t=0 0
m=audio 22298 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[29] ACK sip:3034040@5.5.5.45:5060 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK6c783cdc
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f025f20c82a0c-53a75bdf
To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992692
Call-ID: 001a2f8d-f17f000e-0c9c8a5e-08c0f666@5.5.5.240
Max-Forwards: 70
Date: Thu, 14 Jun 2007 14:00:00 GMT
CSeq: 101 ACK
User-Agent: Cisco-CP7960G/7.5
Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[30] INVITE sip:3034030@5.5.5.45:5060 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK190b4ada
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f025e7c8a03a1-2e54632b
To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992689
Call-ID: 001a2f8d-f17f000d-348d67f4-05657cf7@5.5.5.240
Max-Forwards: 70
Date: Thu, 14 Jun 2007 14:00:02 GMT
CSeq: 103 INVITE
User-Agent: Cisco-CP7960G/7.5
Contact: <sip:3034010@5.5.5.240:5060>
Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
Content-Length: 223
Content-Type: application/sdp
Content-Disposition: session;handling=optional
```

```
v=0
o=Cisco-SIPUA 16124 2 IN IP4 5.5.5.240
s=SIP Call
t=0 0
m=audio 20538 RTP/AVP 0 8 101
c=IN IP4 5.5.5.240
a=rtpmap:0 PCMU/8000
a=rtpmap:8 PCMA/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=sendrecv
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[31] SIP/2.0 100 Trying

```
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK190b4ada
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f025e7c8a03a1-2e54632b
To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992689
Date: Thu, 14 Jun 2007 14:00:02 GMT
Call-ID: 001a2f8d-f17f000d-348d67f4-05657cf7@5.5.5.240
```

CSeq: 103 INVITE
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[32] INVITE sip:30340300@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf7572ee43f6
 Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992690
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d600130c04d4e3-36b9b371
 Date: Thu, 14 Jun 2007 14:00:02 GMT
 Call-ID: 8046a400-671149d1-1f22-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 103 INVITE
 Max-Forwards: 70
 Contact: <sip:3034010@5.5.5.45:5060>
 Expires: 180
 Allow-Events: presence
 Content-Type: application/sdp
 Content-Length: 241

v=0
 o=CiscoSystemsCCM-SIP 2000 3 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.240
 t=0 0
 m=audio 20538 RTP/AVP 0 8 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:8 PCMA/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[33] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf7572ee43f6
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992690
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d600130c04d4e3-36b9b371
 Call-ID: 8046a400-671149d1-1f22-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 14:00:02 GMT
 CSeq: 103 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 198
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 8558 2 IN IP4 5.5.5.241
 s=SIP Call
 t=0 0
 m=audio 29956 RTP/AVP 0 101
 c=IN IP4 5.5.5.241
 a=rtpmap:0 PCMU/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[34] ACK sip:30340300@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf764d479793
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992690
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d600130c04d4e3-36b9b371
 Date: Thu, 14 Jun 2007 14:00:02 GMT
 Call-ID: 8046a400-671149d1-1f22-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 103 ACK
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[35] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK190b4ada

From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f025e7c8a03a1-2e54632b
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992689
 Date: Thu, 14 Jun 2007 14:00:02 GMT
 Call-ID: 001a2f8d-f17f000d-348d67f4-05657cf7@5.5.5.240
 CSeq: 103 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Supported: replaces
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 3 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.241
 t=0 0
 m=audio 29956 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[36] ACK sip:3034030@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK3d992b69
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f025e7c8a03a1-2e54632b
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992689
 Call-ID: 001a2f8d-f17f000d-348d67f4-05657cf7@5.5.5.240
 Max-Forwards: 70
 Date: Thu, 14 Jun 2007 14:00:02 GMT
 CSeq: 103 ACK
 User-Agent: Cisco-CP7960G/7.5
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[37] BYE sip:3034040@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.242:5060;branch=z9hG4bK2b32cc6a
 From: <sip:3034040@5.5.5.242>;tag=0018b93bb53e0240264d5a07-728a2e05
 To: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992693
 Call-ID: 876db200-671149dd-1f24-2d050505@5.5.5.45
 Max-Forwards: 70
 Date: Thu, 14 Jun 2007 14:00:06 GMT
 CSeq: 101 BYE
 User-Agent: Cisco-CP7960G/7.5
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[38] BYE sip:3034010@5.5.5.240:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf775ff47896
 From: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992692
 To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f025f20c82a0c-53a75bdf
 Date: Thu, 14 Jun 2007 14:00:00 GMT
 Call-ID: 001a2f8d-f17f000e-0c9c8a5e-08c0f666@5.5.5.240
 User-Agent: Cisco-CCM6.0
 Max-Forwards: 70
 CSeq: 101 BYE
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[39] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.242:5060;branch=z9hG4bK2b32cc6a
 From: <sip:3034040@5.5.5.242>;tag=0018b93bb53e0240264d5a07-728a2e05
 To: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992693
 Date: Thu, 14 Jun 2007 14:00:07 GMT
 Call-ID: 876db200-671149dd-1f24-2d050505@5.5.5.45
 CSeq: 101 BYE
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[40] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf775ff47896
 From: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992692
 To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f025f20c82a0c-53a75bdf
 Call-ID: 001a2f8d-f17f000e-0c9c8a5e-08c0f666@5.5.5.240
 Date: Thu, 14 Jun 2007 14:00:07 GMT
 CSeq: 101 BYE
 Server: Cisco-CP7960G/7.5

Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[41] BYE sip:3034010@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.241:5060;branch=z9hG4bK11474865

From: <sip:3034030@5.5.5.241>;tag=001a2fcb77d600130c04d4e3-36b9b371

To: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992690

Call-ID: 8046a400-671149d1-1f22-2d050505@5.5.5.45

Max-Forwards: 70

Date: Thu, 14 Jun 2007 14:00:10 GMT

CSeq: 101 BYE

User-Agent: Cisco-CP7960G/7.5

Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[42] BYE sip:3034010@5.5.5.240:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf7832b1e569

From: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992689

To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f025e7c8a03a1-2e54632b

Date: Thu, 14 Jun 2007 14:00:02 GMT

Call-ID: 001a2f8d-f17f000d-348d67f4-05657cf7@5.5.5.240

User-Agent: Cisco-CCM6.0

Max-Forwards: 70

CSeq: 101 BYE

Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[43] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.241:5060;branch=z9hG4bK11474865

From: <sip:3034030@5.5.5.241>;tag=001a2fcb77d600130c04d4e3-36b9b371

To: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992690

Date: Thu, 14 Jun 2007 14:00:10 GMT

Call-ID: 8046a400-671149d1-1f22-2d050505@5.5.5.45

CSeq: 101 BYE

Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[44] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf7832b1e569

From: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992689

To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f025e7c8a03a1-2e54632b

Call-ID: 001a2f8d-f17f000d-348d67f4-05657cf7@5.5.5.240

Date: Thu, 14 Jun 2007 14:00:10 GMT

CSeq: 101 BYE

Server: Cisco-CP7960G/7.5

Content-Length: 0

5. Transfer

5.1 Transfer Attended (All SIP Basic phones)

Title: Transfer Attended (All SIP Basic phones)

Description:

G calls H and then performs a consultative transfer to L.

"Transfer Attended" is sometimes referred to as "Consultative Transfer".

Configuration:

Node = Unified CM, IP = 5.5.5.45

Phone = G, Line = 3034010, IP = 5.5.5.240, Model = SIP Basic

Phone = H, Line = 3034030, IP = 5.5.5.241, Model = SIP Basic

Phone = L, Line = 3034040, IP = 5.5.5.242, Model = SIP Basic

Scenario:

3034010 calls 3034030

3034030 is ringing

3034030 answers

3034010 presses Transfer softkey

3034010 dials 3034040

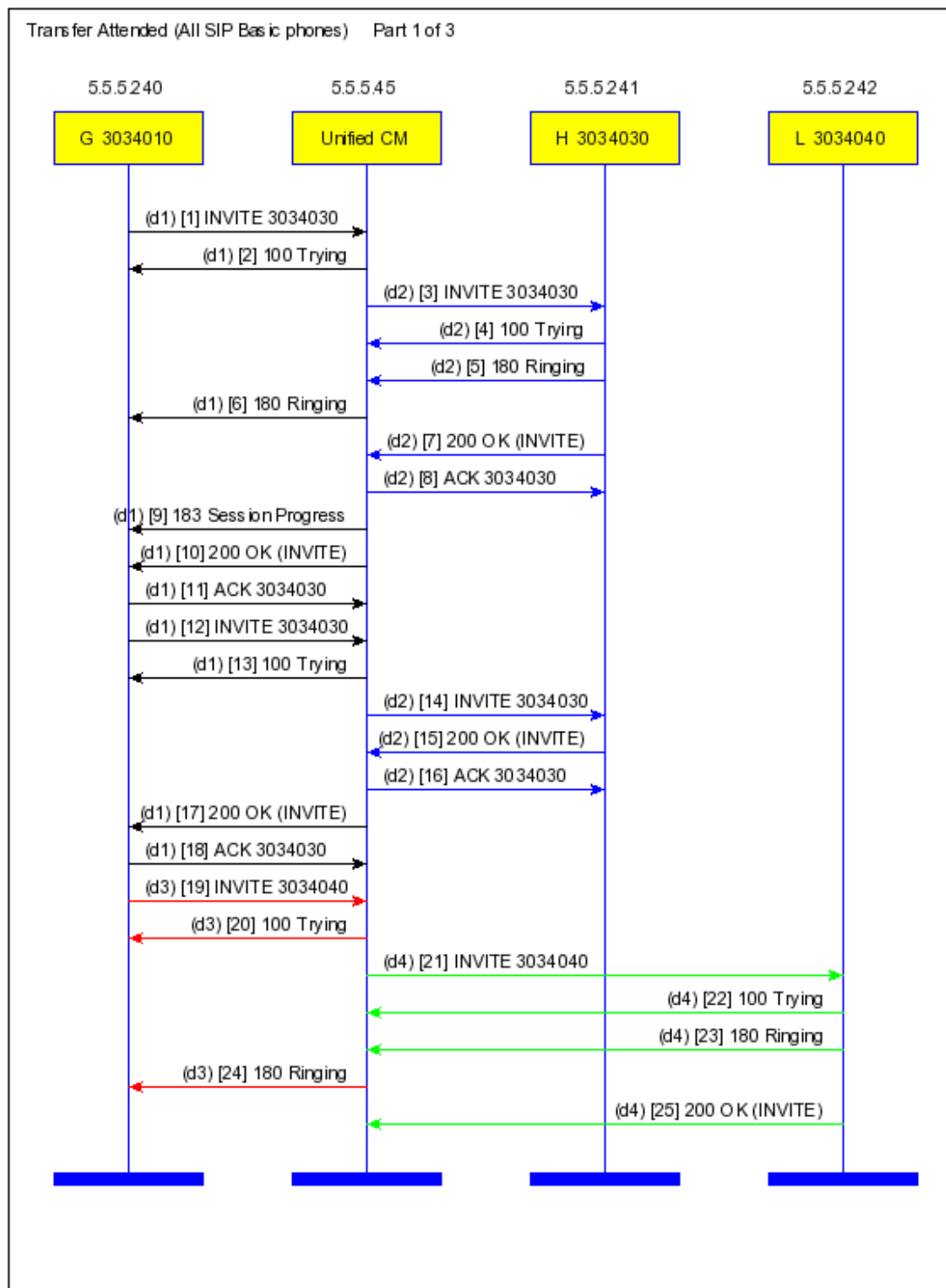
3034040 is ringing

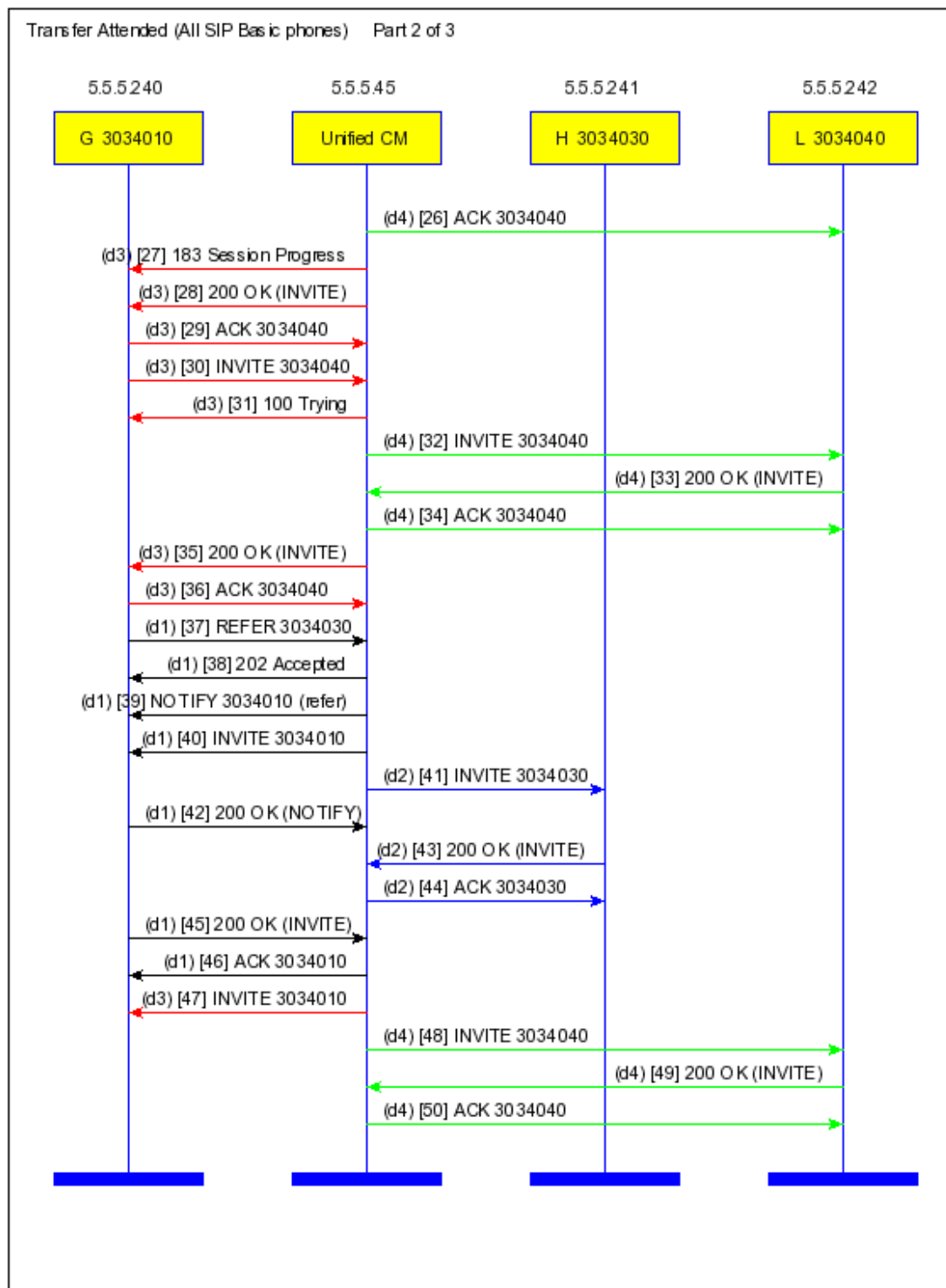
3034040 answers

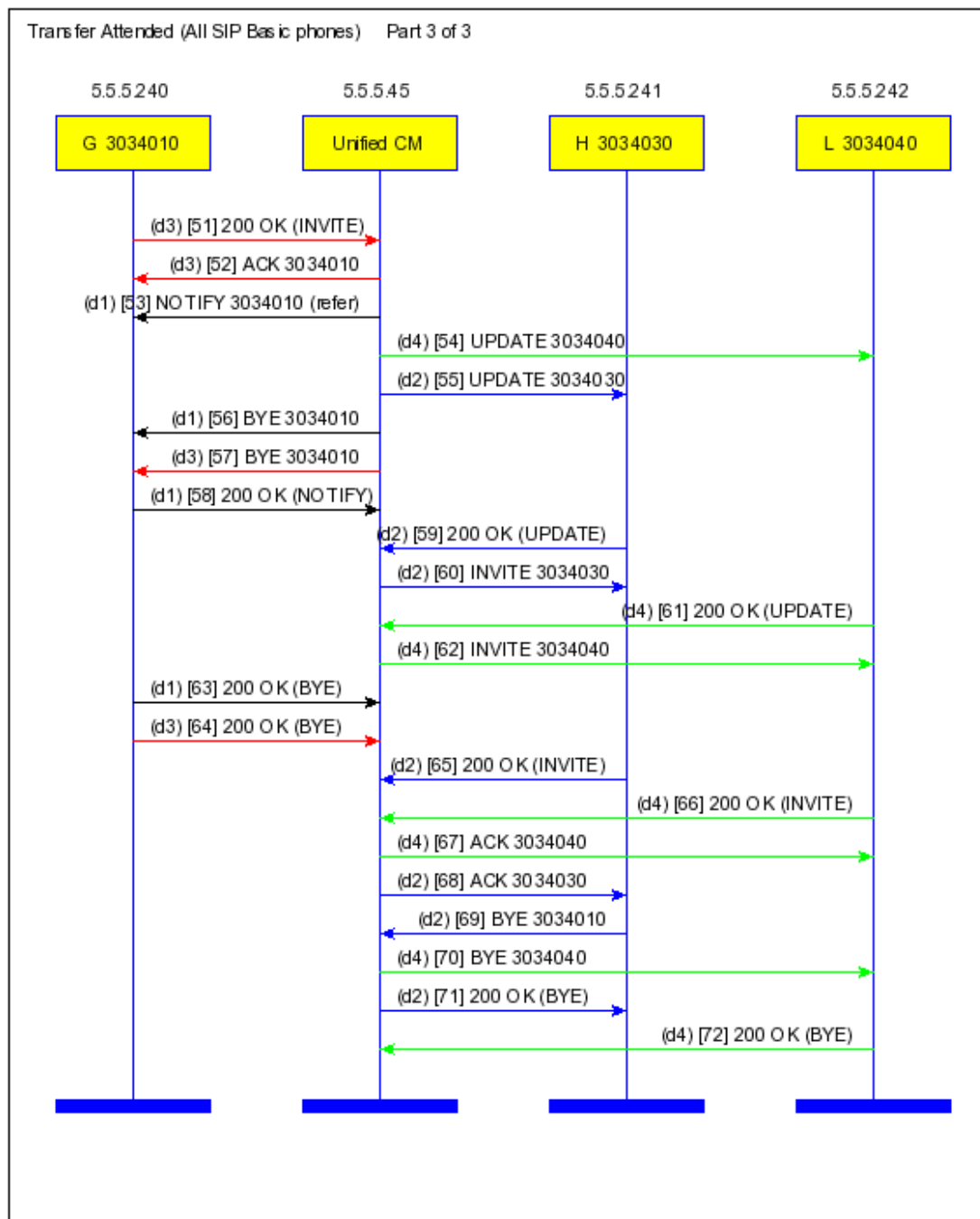
3034010 presses Transfer softkey to complete the transfer

3034030 and 3034040 are connected

3034030 goes onhook







[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[1] INVITE sip:3034030@5.5.5.45 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK4033449e
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026210ce6399-73ae7168
 To: <sip:3034030@5.5.5.45>
 Call-ID: 001a2f8d-f17f000f-6896235d-04d15ed4@5.5.5.240
 Max-Forwards: 70
 Date: Thu, 14 Jun 2007 14:03:36 GMT
 CSeq: 101 INVITE
 User-Agent: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Expires: 180
 Accept: application/sdp
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 18984 0 IN IP4 5.5.5.240
 s=SIP Call
 t=0 0
 m=audio 20546 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.240
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[2] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK4033449e
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026210ce6399-73ae7168
 To: <sip:3034030@5.5.5.45>
 Date: Thu, 14 Jun 2007 14:03:36 GMT
 Call-ID: 001a2f8d-f17f000f-6896235d-04d15ed4@5.5.5.240
 CSeq: 101 INVITE
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[3] INVITE sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf7936fb0d0
 Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992695
 To: <sip:3034030@5.5.5.241>
 Date: Thu, 14 Jun 2007 14:03:36 GMT
 Call-ID: 9f67180-67114ab8-1f2c-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 101 INVITE
 Expires: 180
 Allow-Events: presence
 Alert-Info: <file://Bellcore-dr1/>
 Contact: <sip:3034030@5.5.5.45:5060>
 Max-Forwards: 69
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[4] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf7936fb0d0
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992695
 To: <sip:3034030@5.5.5.241>
 Call-ID: 9f67180-67114ab8-1f2c-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 14:03:36 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[5] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf7936fb0d0
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992695
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001643198fe4-5434f7ed
 Call-ID: 9f67180-67114ab8-1f2c-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 14:03:36 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[6] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK4033449e
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026210ce6399-73ae7168
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992694
 Date: Thu, 14 Jun 2007 14:03:36 GMT
 Call-ID: 001a2f8d-f17f000f-6896235d-04d15ed4@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Alerting 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[7] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf7936fb0d0
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992695
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001643198fe4-5434f7ed
 Call-ID: 9f67180-67114ab8-1f2c-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 14:03:37 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 27425 0 IN IP4 5.5.5.241
 s=SIP Call
 t=0 0
 m=audio 29960 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.241
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[8] ACK sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf7a2f079854
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992695
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001643198fe4-5434f7ed
 Date: Thu, 14 Jun 2007 14:03:36 GMT
 Call-ID: 9f67180-67114ab8-1f2c-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 101 ACK
 Allow-Events: presence
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.240
 t=0 0
 m=audio 20546 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[9] SIP/2.0 183 Session Progress

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK4033449e
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026210ce6399-73ae7168
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992694
 Date: Thu, 14 Jun 2007 14:03:36 GMT
 Call-ID: 001a2f8d-f17f000f-6896235d-04d15ed4@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Alerting 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.241
 t=0 0
 m=audio 29960 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[10] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK4033449e
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026210ce6399-73ae7168
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992694
 Date: Thu, 14 Jun 2007 14:03:36 GMT
 Call-ID: 001a2f8d-f17f000f-6896235d-04d15ed4@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Supported: replaces
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.241
 t=0 0
 m=audio 29960 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[11] ACK sip:3034030@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK41a176ff
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026210ce6399-73ae7168
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992694
 Call-ID: 001a2f8d-f17f000f-6896235d-04d15ed4@5.5.5.240
 Max-Forwards: 70
 Date: Thu, 14 Jun 2007 14:03:38 GMT
 CSeq: 101 ACK
 User-Agent: Cisco-CP7960G/7.5
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[12] INVITE sip:3034030@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK27500dda
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026210ce6399-73ae7168
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992694
 Call-ID: 001a2f8d-f17f000f-6896235d-04d15ed4@5.5.5.240
 Max-Forwards: 70
 Date: Thu, 14 Jun 2007 14:03:41 GMT
 CSeq: 102 INVITE
 User-Agent: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 249
 Content-Type: application/sdp

Content-Disposition: session;handling=optional

```
v=0
o=Cisco-SIPUA 18984 1 IN IP4 5.5.5.240
s=SIP Call
t=0 0
m=audio 20546 RTP/AVP 0 8 18 101
c=IN IP4 5.5.5.240
a=rtpmap:0 PCMU/8000
a=rtpmap:8 PCMA/8000
a=rtpmap:18 G729/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=sendonly
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[13] SIP/2.0 100 Trying

```
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK27500dda
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026210ce6399-73ae7168
To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992694
Date: Thu, 14 Jun 2007 14:03:41 GMT
Call-ID: 001a2f8d-f17f000f-6896235d-04d15ed4@5.5.5.240
CSeq: 102 INVITE
Allow-Events: presence
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[14] INVITE sip:3034030@5.5.5.241:5060 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf7b4cb7ba10
Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=off
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992695
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001643198fe4-5434f7ed
Date: Thu, 14 Jun 2007 14:03:41 GMT
Call-ID: 9f67180-67114ab8-1f2c-2d050505@5.5.5.45
Supported: timer,replaces
Min-SE: 1800
User-Agent: Cisco-CCM6.0
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
CSeq: 102 INVITE
Max-Forwards: 70
Contact: <sip:3034010@5.5.5.45:5060>
Expires: 180
Allow-Events: presence
Content-Type: application/sdp
Content-Length: 291
```

```
v=0
o=CiscoSystemsCCM-SIP 2000 2 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.240
t=0 0
m=audio 20546 RTP/AVP 0 8 18 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:8 PCMA/8000
a=ptime:20
a=rtpmap:18 G729/8000
a=ptime:20
a=sendonly
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[15] SIP/2.0 200 OK

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf7b4cb7ba10
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992695
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001643198fe4-5434f7ed
Call-ID: 9f67180-67114ab8-1f2c-2d050505@5.5.5.45
Date: Thu, 14 Jun 2007 14:03:41 GMT
CSeq: 102 INVITE
Server: Cisco-CP7960G/7.5
Contact: <sip:3034030@5.5.5.241:5060>
Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
Supported: replaces
Content-Length: 199
Content-Type: application/sdp
Content-Disposition: session;handling=optional
```

v=0

```

o=Cisco-SIPUA 27425 1 IN IP4 5.5.5.241
s=SIP Call
t=0 0
m=audio 29960 RTP/AVP 0 101
c=IN IP4 5.5.5.241
a=rtpmap:0 PCMU/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=recvnonly

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[16] ACK sip:30340300@5.5.5.241:5060 SIP/2.0

```

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf7c5d1949b9
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992695
To: <sip:30340300@5.5.5.241>;tag=001a2fcb77d6001643198fe4-5434f7ed
Date: Thu, 14 Jun 2007 14:03:41 GMT
Call-ID: 9f67180-67114ab8-1f2c-2d050505@5.5.5.45
Max-Forwards: 70
CSeq: 102 ACK
Allow-Events: presence
Content-Length: 0

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[17] SIP/2.0 200 OK

```

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK27500dda
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026210ce6399-73ae7168
To: <sip:30340300@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992694
Date: Thu, 14 Jun 2007 14:03:41 GMT
Call-ID: 001a2f8d-f17f000f-6896235d-04d15ed4@5.5.5.240
CSeq: 102 INVITE
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
Allow-Events: presence
Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
Contact: <sip:3034030@5.5.5.45:5060>
Supported: replaces
Content-Type: application/sdp
Content-Length: 217

```

```

v=0
o=CiscoSystemsCCM-SIP 2000 2 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.241
t=0 0
m=audio 29960 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=recvnonly
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[18] ACK sip:30340300@5.5.5.45:5060 SIP/2.0

```

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK20b27e9f
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026210ce6399-73ae7168
To: <sip:30340300@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992694
Call-ID: 001a2f8d-f17f000f-6896235d-04d15ed4@5.5.5.240
Max-Forwards: 70
Date: Thu, 14 Jun 2007 14:03:41 GMT
CSeq: 102 ACK
User-Agent: Cisco-CP7960G/7.5
Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
Content-Length: 0

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[19] INVITE sip:30340400@5.5.5.45 SIP/2.0

```

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK15e3e7a6
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02635e9daa83-6dee01d4
To: <sip:30340400@5.5.5.45>
Call-ID: 001a2f8d-f17f0010-5bacecf9-77c82bdd@5.5.5.240
Max-Forwards: 70
Date: Thu, 14 Jun 2007 14:03:45 GMT
CSeq: 101 INVITE
User-Agent: Cisco-CP7960G/7.5
Contact: <sip:3034010@5.5.5.240:5060>
Expires: 180
Accept: application/sdp
Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
Supported: replaces
Content-Length: 249

```

Content-Type: application/sdp
Content-Disposition: session;handling=optional

v=0
o=Cisco-SIPUA 22885 0 IN IP4 5.5.5.240
s=SIP Call
t=0 0
m=audio 20550 RTP/AVP 0 8 18 101
c=IN IP4 5.5.5.240
a=rtpmap:0 PCMU/8000
a=rtpmap:8 PCMA/8000
a=rtpmap:18 G729/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[20] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK15e3e7a6
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02635e9daa83-6dee01d4
To: <sip:3034040@5.5.5.45>
Date: Thu, 14 Jun 2007 14:03:45 GMT
Call-ID: 001a2f8d-f17f0010-5bacecf9-77c82bdd@5.5.5.240
CSeq: 101 INVITE
Allow-Events: presence
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[21] INVITE sip:3034040@5.5.5.242:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf7d46ec8319
Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=off
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992698
To: <sip:3034040@5.5.5.242>
Date: Thu, 14 Jun 2007 14:03:45 GMT
Call-ID: f53bc00-67114ac1-1f2e-2d050505@5.5.5.45
Supported: timer,replaces
Min-SE: 1800
User-Agent: Cisco-CCM6.0
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
CSeq: 101 INVITE
Expires: 180
Allow-Events: presence
Alert-Info: <file://Bellcore-dr1/>
Contact: <sip:3034040@5.5.5.45:5060>
Max-Forwards: 69
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[22] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf7d46ec8319
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992698
To: <sip:3034040@5.5.5.242>
Call-ID: f53bc00-67114ac1-1f2e-2d050505@5.5.5.45
Date: Thu, 14 Jun 2007 14:03:45 GMT
CSeq: 101 INVITE
Server: Cisco-CP7960G/7.5
Contact: <sip:3034040@5.5.5.242:5060>
Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[23] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf7d46ec8319
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992698
To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e02437f49c9eb-2670d67a
Call-ID: f53bc00-67114ac1-1f2e-2d050505@5.5.5.45
Date: Thu, 14 Jun 2007 14:03:45 GMT
CSeq: 101 INVITE
Server: Cisco-CP7960G/7.5
Contact: <sip:3034040@5.5.5.242:5060>
Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[24] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK15e3e7a6
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02635e9daa83-6dee01d4
To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992697

Date: Thu, 14 Jun 2007 14:03:45 GMT
 Call-ID: 001a2f8d-f17f0010-5bacecf9-77c82bdd@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034040@5.5.5.45:5060>
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[25] SIP/2.0 200 OK
 Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf7d46ec8319
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992698
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e02437f49c9eb-2670d67a
 Call-ID: f53bc00-67114ac1-1f2e-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 14:03:47 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034040@5.5.5.242:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 27528 0 IN IP4 5.5.5.242
 s=SIP Call
 t=0 0
 m=audio 22302 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.242
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[26] ACK sip:3034040@5.5.5.242:5060 SIP/2.0
 Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf7e5bdde01a
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992698
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e02437f49c9eb-2670d67a
 Date: Thu, 14 Jun 2007 14:03:45 GMT
 Call-ID: f53bc00-67114ac1-1f2e-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 101 ACK
 Allow-Events: presence
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.240
 t=0 0
 m=audio 20550 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[27] SIP/2.0 183 Session Progress
 Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK15e3e7a6
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02635e9daa83-6dee01d4
 To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992697
 Date: Thu, 14 Jun 2007 14:03:45 GMT
 Call-ID: 001a2f8d-f17f0010-5bacecf9-77c82bdd@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034040@5.5.5.45:5060>
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45

```
s=SIP Call
c=IN IP4 5.5.5.242
t=0 0
m=audio 22302 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

```
[28] SIP/2.0 200 OK
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK15e3e7a6
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02635e9daa83-6dee01d4
To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992697
Date: Thu, 14 Jun 2007 14:03:45 GMT
Call-ID: 001a2f8d-f17f0010-5bacecf9-77c82bdd@5.5.5.240
CSeq: 101 INVITE
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
Allow-Events: presence
Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=called;screen=yes;privacy=off
Contact: <sip:3034040@5.5.5.45:5060>
Supported: replaces
Content-Type: application/sdp
Content-Length: 205
```

```
v=0
o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.242
t=0 0
m=audio 22302 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

```
[29] ACK sip:3034040@5.5.5.45:5060 SIP/2.0
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK146aad87
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02635e9daa83-6dee01d4
To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992697
Call-ID: 001a2f8d-f17f0010-5bacecf9-77c82bdd@5.5.5.240
Max-Forwards: 70
Date: Thu, 14 Jun 2007 14:03:48 GMT
CSeq: 101 ACK
User-Agent: Cisco-CP7960G/7.5
Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

```
[30] INVITE sip:3034040@5.5.5.45:5060 SIP/2.0
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK5b0318f3
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02635e9daa83-6dee01d4
To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992697
Call-ID: 001a2f8d-f17f0010-5bacecf9-77c82bdd@5.5.5.240
Max-Forwards: 70
Date: Thu, 14 Jun 2007 14:03:49 GMT
CSeq: 102 INVITE
User-Agent: Cisco-CP7960G/7.5
Contact: <sip:3034010@5.5.5.240:5060>
Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
Content-Length: 249
Content-Type: application/sdp
Content-Disposition: session;handling=optional
```

```
v=0
o=Cisco-SIPUA 22885 1 IN IP4 5.5.5.240
s=SIP Call
t=0 0
m=audio 20550 RTP/AVP 0 8 18 101
c=IN IP4 5.5.5.240
a=rtpmap:0 PCMU/8000
a=rtpmap:8 PCMA/8000
a=rtpmap:18 G729/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=sendonly
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

```
[31] SIP/2.0 100 Trying
```

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK5b0318f3
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02635e9daa83-6dee01d4
 To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992697
 Date: Thu, 14 Jun 2007 14:03:49 GMT
 Call-ID: 001a2f8d-f17f0010-5bacecf9-77c82bdd@5.5.5.240
 CSeq: 102 INVITE
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[32] INVITE sip:3034040@5.5.5.242:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf7f575b9371
 Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992698
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e02437f49c9eb-2670d67a
 Date: Thu, 14 Jun 2007 14:03:49 GMT
 Call-ID: f53bc00-67114ac1-1f2e-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 102 INVITE
 Max-Forwards: 70
 Contact: <sip:3034010@5.5.5.45:5060>
 Expires: 180
 Allow-Events: presence
 Content-Type: application/sdp
 Content-Length: 291

v=0
 o=CiscoSystemsCCM-SIP 2000 2 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.240
 t=0 0
 m=audio 20550 RTP/AVP 0 8 18 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:8 PCMA/8000
 a=ptime:20
 a=rtpmap:18 G729/8000
 a=ptime:20
 a=sendonly
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[33] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf7f575b9371
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992698
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e02437f49c9eb-2670d67a
 Call-ID: f53bc00-67114ac1-1f2e-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 14:03:49 GMT
 CSeq: 102 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034040@5.5.5.242:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 199
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 27528 1 IN IP4 5.5.5.242
 s=SIP Call
 t=0 0
 m=audio 22302 RTP/AVP 0 101
 c=IN IP4 5.5.5.242
 a=rtpmap:0 PCMU/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=recvonly

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[34] ACK sip:3034040@5.5.5.242:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf805b487dd8
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992698
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e02437f49c9eb-2670d67a
 Date: Thu, 14 Jun 2007 14:03:49 GMT
 Call-ID: f53bc00-67114ac1-1f2e-2d050505@5.5.5.45

Max-Forwards: 70
 CSeq: 102 ACK
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[35] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK5b0318f3
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02635e9daa83-6dee01d4
 To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992697
 Date: Thu, 14 Jun 2007 14:03:49 GMT
 Call-ID: 001a2f8d-f17f0010-5bacecf9-77c82bdd@5.5.5.240
 CSeq: 102 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034040@5.5.5.45:5060>
 Supported: replaces
 Content-Type: application/sdp
 Content-Length: 217

v=0
 o=CiscoSystemsCCM-SIP 2000 2 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.242
 t=0 0
 m=audio 22302 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=recvnly
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[36] ACK sip:3034040@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK02cefe7c
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02635e9daa83-6dee01d4
 To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992697
 Call-ID: 001a2f8d-f17f0010-5bacecf9-77c82bdd@5.5.5.240
 Max-Forwards: 70
 Date: Thu, 14 Jun 2007 14:03:50 GMT
 CSeq: 102 ACK
 User-Agent: Cisco-CP7960G/7.5
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[37] REFER sip:3034030@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK5166bc56
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026210ce6399-73ae7168
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992694
 Call-ID: 001a2f8d-f17f000f-6896235d-04d15ed4@5.5.5.240
 Max-Forwards: 70
 Date: Thu, 14 Jun 2007 14:03:50 GMT
 CSeq: 103 REFER
 User-Agent: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0
 Refer-To: <sip:3034040@5.5.5.45?Replaces=001a2f8d-f17f0010-5bacecf9-77c82bdd%405.5.5.240%3Bto-tag%3D59767ab7-7931-49bc-8b8e-166d4f2cee02-28992697%3Bfrom-tag%3D001a2f8df17f02635e9daa83-6dee01d4>
 Referred-By: "3034010" <sip:3034010@5.5.5.45>

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[38] SIP/2.0 202 Accepted

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK5166bc56
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026210ce6399-73ae7168
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992694
 Date: Thu, 14 Jun 2007 14:03:50 GMT
 Call-ID: 001a2f8d-f17f000f-6896235d-04d15ed4@5.5.5.240
 CSeq: 103 REFER
 Content-Length: 0
 Contact: <sip:3034030@5.5.5.45:5060>

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[39] NOTIFY sip:3034010@5.5.5.240:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf81706339f
 From: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992694
 To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026210ce6399-73ae7168
 Call-ID: 001a2f8d-f17f000f-6896235d-04d15ed4@5.5.5.240

```
CSeq: 101 NOTIFY
Max-Forwards: 70
Date: Thu, 14 Jun 2007 14:03:50 GMT
User-Agent: Cisco-CCM6.0
Event: refer
Subscription-State: active;expires=60
Contact: <sip:3034030@5.5.5.45:5060>
Content-Type: message/sipfrag;version=2.0
Content-Length: 20
```

SIP/2.0 100 Trying

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[40] INVITE sip:3034010@5.5.5.240:5060 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf825bd5076e
Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=calling;screen=yes;privacy=off
From: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992694
To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026210ce6399-73ae7168
Date: Thu, 14 Jun 2007 14:03:50 GMT
Call-ID: 001a2f8d-f17f000f-6896235d-04d15ed4@5.5.5.240
Supported: timer,replaces
Min-SE: 1800
Cisco-Guid: 167145856-1729186488-7979-755303685
User-Agent: Cisco-CCM6.0
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
CSeq: 102 INVITE
Max-Forwards: 70
Contact: <sip:3034030@5.5.5.45:5060>
Expires: 180
Allow-Events: presence
Content-Type: application/sdp
Content-Length: 215
```

```
v=0
o=CiscoSystemsCCM-SIP 2000 3 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 0.0.0.0
t=0 0
m=audio 29960 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=inactive
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[41] INVITE sip:3034030@5.5.5.241:5060 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf834e8984bc
Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=off
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992695
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001643198fe4-5434f7ed
Date: Thu, 14 Jun 2007 14:03:50 GMT
Call-ID: 9f67180-67114ab8-1f2c-2d050505@5.5.5.45
Supported: timer,replaces
Min-SE: 1800
User-Agent: Cisco-CCM6.0
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
CSeq: 103 INVITE
Max-Forwards: 70
Contact: <sip:3034010@5.5.5.45:5060>
Expires: 180
Allow-Events: presence
Content-Type: application/sdp
Content-Length: 289
```

```
v=0
o=CiscoSystemsCCM-SIP 2000 3 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 0.0.0.0
t=0 0
m=audio 20546 RTP/AVP 0 8 18 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:8 PCMA/8000
a=ptime:20
a=rtpmap:18 G729/8000
a=ptime:20
a=inactive
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[42] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf81706339f
 From: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992694
 To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026210ce6399-73ae7168
 Call-ID: 001a2f8d-f17f000f-6896235d-04d15ed4@5.5.5.240
 Date: Thu, 14 Jun 2007 14:03:50 GMT
 CSeq: 101 NOTIFY
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[43] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf834e8984bc
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992695
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001643198fe4-5434f7ed
 Call-ID: 9f67180-67114ab8-1f2c-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 14:03:50 GMT
 CSeq: 103 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 199
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 27425 2 IN IP4 5.5.5.241
 s=SIP Call
 t=0 0
 m=audio 29960 RTP/AVP 0 101
 c=IN IP4 5.5.5.241
 a=rtpmap:0 PCMU/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=inactive

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[44] ACK sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf841820424f
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992695
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001643198fe4-5434f7ed
 Date: Thu, 14 Jun 2007 14:03:50 GMT
 Call-ID: 9f67180-67114ab8-1f2c-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 103 ACK
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[45] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf825bd5076e
 From: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992694
 To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026210ce6399-73ae7168
 Call-ID: 001a2f8d-f17f000f-6896235d-04d15ed4@5.5.5.240
 Date: Thu, 14 Jun 2007 14:03:50 GMT
 CSeq: 102 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 199
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 18984 2 IN IP4 5.5.5.240
 s=SIP Call
 t=0 0
 m=audio 20546 RTP/AVP 0 101
 c=IN IP4 5.5.5.240
 a=rtpmap:0 PCMU/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=inactive

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[46] ACK sip:3034010@5.5.5.240:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf85e3cd4cc
 From: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992694
 To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026210ce6399-73ae7168
 Date: Thu, 14 Jun 2007 14:03:50 GMT
 Call-ID: 001a2f8d-f17f000f-6896235d-04d15ed4@5.5.5.240
 Max-Forwards: 70
 CSeq: 102 ACK
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[47] INVITE sip:3034010@5.5.5.240:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf86194ef6e8
 Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992697
 To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02635e9daa83-6dee01d4
 Date: Thu, 14 Jun 2007 14:03:50 GMT
 Call-ID: 001a2f8d-f17f0010-5bacecf9-77c82bdd@5.5.5.240
 Supported: timer,replaces
 Min-SE: 1800
 Cisco-Guid: 257145856-1729186497-7981-755303685
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 101 INVITE
 Max-Forwards: 70
 Contact: <sip:3034040@5.5.5.45:5060>
 Expires: 180
 Allow-Events: presence
 Content-Type: application/sdp
 Content-Length: 215

v=0
 o=CiscoSystemsCCM-SIP 2000 3 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 0.0.0.0
 t=0 0
 m=audio 22302 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=inactive
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[48] INVITE sip:3034040@5.5.5.242:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf876ad53df6
 Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992698
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e02437f49c9eb-2670d67a
 Date: Thu, 14 Jun 2007 14:03:50 GMT
 Call-ID: f53bc00-67114ac1-1f2e-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 103 INVITE
 Max-Forwards: 70
 Contact: <sip:3034010@5.5.5.45:5060>
 Expires: 180
 Allow-Events: presence
 Content-Type: application/sdp
 Content-Length: 289

v=0
 o=CiscoSystemsCCM-SIP 2000 3 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 0.0.0.0
 t=0 0
 m=audio 20550 RTP/AVP 0 8 18 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:8 PCMA/8000
 a=ptime:20
 a=rtpmap:18 G729/8000
 a=ptime:20
 a=inactive
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[49] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf876ad53df6
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992698
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e02437f49c9eb-2670d67a
 Call-ID: f53bc00-67114ac1-1f2e-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 14:03:50 GMT
 CSeq: 103 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034040@5.5.5.242:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 199
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 27528 2 IN IP4 5.5.5.242
 s=SIP Call
 t=0 0
 m=audio 22302 RTP/AVP 0 101
 c=IN IP4 5.5.5.242
 a=rtpmap:0 PCMU/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=inactive

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[50] ACK sip:3034040@5.5.5.242:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf8825bc73fa
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992698
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e02437f49c9eb-2670d67a
 Date: Thu, 14 Jun 2007 14:03:50 GMT
 Call-ID: f53bc00-67114ac1-1f2e-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 103 ACK
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[51] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf86194ef6e8
 From: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992697
 To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02635e9daa83-6dee01d4
 Call-ID: 001a2f8d-f17f0010-5bacecf9-77c82bdd@5.5.5.240
 Date: Thu, 14 Jun 2007 14:03:51 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 199
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 22885 2 IN IP4 5.5.5.240
 s=SIP Call
 t=0 0
 m=audio 20550 RTP/AVP 0 101
 c=IN IP4 5.5.5.240
 a=rtpmap:0 PCMU/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=inactive

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[52] ACK sip:3034010@5.5.5.240:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf8973376316
 From: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992697
 To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02635e9daa83-6dee01d4
 Date: Thu, 14 Jun 2007 14:03:50 GMT
 Call-ID: 001a2f8d-f17f0010-5bacecf9-77c82bdd@5.5.5.240
 Max-Forwards: 70
 CSeq: 101 ACK
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[53] NOTIFY sip:3034010@5.5.5.240:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf8a27b0de1f
 From: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992694
 To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026210ce6399-73ae7168
 Call-ID: 001a2f8d-f17f000f-6896235d-04d15ed4@5.5.5.240
 CSeq: 103 NOTIFY
 Max-Forwards: 70
 Date: Thu, 14 Jun 2007 14:03:51 GMT
 User-Agent: Cisco-CCM6.0
 Event: refer
 Subscription-State: terminated;reason=noresource
 Contact: <sip:3034030@5.5.5.45:5060>
 Content-Type: message/sipfrag;version=2.0
 Content-Length: 16

SIP/2.0 200 OK

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[54] UPDATE sip:3034040@5.5.5.242:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf8b4a87aab7
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992698
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e02437f49c9eb-2670d67a
 Date: Thu, 14 Jun 2007 14:03:50 GMT
 Call-ID: f53bc00-67114ac1-1f2e-2d050505@5.5.5.45
 User-Agent: Cisco-CCM6.0
 Max-Forwards: 70
 CSeq: 104 UPDATE
 Contact: <sip:3034010@5.5.5.45:5060>
 Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=calling;screen=yes;privacy=off
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[55] UPDATE sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf8c5150aa20
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992695
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001643198fe4-5434f7ed
 Date: Thu, 14 Jun 2007 14:03:50 GMT
 Call-ID: 9f67180-67114ab8-1f2c-2d050505@5.5.5.45
 User-Agent: Cisco-CCM6.0
 Max-Forwards: 70
 CSeq: 104 UPDATE
 Contact: <sip:3034010@5.5.5.45:5060>
 Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=calling;screen=yes;privacy=off
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[56] BYE sip:3034010@5.5.5.240:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf8d2fd4ad3b
 From: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992694
 To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026210ce6399-73ae7168
 Date: Thu, 14 Jun 2007 14:03:50 GMT
 Call-ID: 001a2f8d-f17f000f-6896235d-04d15ed4@5.5.5.240
 User-Agent: Cisco-CCM6.0
 Max-Forwards: 70
 CSeq: 104 BYE
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[57] BYE sip:3034010@5.5.5.240:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf8e104cff8f
 From: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992697
 To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02635e9daa83-6dee01d4
 Date: Thu, 14 Jun 2007 14:03:50 GMT
 Call-ID: 001a2f8d-f17f0010-5bacecf9-77c82bdd@5.5.5.240
 User-Agent: Cisco-CCM6.0
 Max-Forwards: 70
 CSeq: 102 BYE
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[58] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf8a27b0de1f
 From: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992694
 To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026210ce6399-73ae7168
 Call-ID: 001a2f8d-f17f000f-6896235d-04d15ed4@5.5.5.240
 Date: Thu, 14 Jun 2007 14:03:51 GMT
 CSeq: 103 NOTIFY
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[59] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf8c5150aa20
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992695
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001643198fe4-5434f7ed
 Call-ID: 9f67180-67114ab8-1f2c-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 14:03:51 GMT
 CSeq: 104 UPDATE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 27425 2 IN IP4 5.5.5.241
 s=SIP Call
 t=0 0
 m=audio 29960 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.241
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[60] INVITE sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf8f780a54bc
 Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992695
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001643198fe4-5434f7ed
 Date: Thu, 14 Jun 2007 14:03:51 GMT
 Call-ID: 9f67180-67114ab8-1f2c-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 105 INVITE
 Max-Forwards: 70
 Contact: <sip:3034010@5.5.5.45:5060>
 Expires: 180
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[61] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf8b4a87aab7
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992698
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e02437f49c9eb-2670d67a
 Call-ID: f53bc00-67114ac1-1f2e-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 14:03:50 GMT
 CSeq: 104 UPDATE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034040@5.5.5.242:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 27528 2 IN IP4 5.5.5.242
 s=SIP Call
 t=0 0
 m=audio 22302 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.242
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[62] INVITE sip:3034040@5.5.5.242:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf90515c6db7
 Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=calling;screen=yes;privacy=off

From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992698
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e02437f49c9eb-2670d67a
 Date: Thu, 14 Jun 2007 14:03:51 GMT
 Call-ID: f53bc00-67114ac1-1f2e-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 105 INVITE
 Max-Forwards: 70
 Contact: <sip:3034010@5.5.5.45:5060>
 Expires: 180
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[63] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf8d2fd4ad3b
 From: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992694
 To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026210ce6399-73ae7168
 Call-ID: 001a2f8d-f17f000f-6896235d-04d15ed4@5.5.5.240
 Date: Thu, 14 Jun 2007 14:03:51 GMT
 CSeq: 104 BYE
 Server: Cisco-CP7960G/7.5
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[64] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf8e104cff8f
 From: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992697
 To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02635e9daa83-6dee01d4
 Call-ID: 001a2f8d-f17f0010-5bacecf9-77c82bdd@5.5.5.240
 Date: Thu, 14 Jun 2007 14:03:51 GMT
 CSeq: 102 BYE
 Server: Cisco-CP7960G/7.5
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[65] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf8f780a54bc
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992695
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001643198fe4-5434f7ed
 Call-ID: 9f67180-67114ab8-1f2c-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 14:03:51 GMT
 CSeq: 105 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 27425 2 IN IP4 5.5.5.241
 s=SIP Call
 t=0 0
 m=audio 29960 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.241
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[66] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf90515c6db7
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992698
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e02437f49c9eb-2670d67a
 Call-ID: f53bc00-67114ac1-1f2e-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 14:03:50 GMT
 CSeq: 105 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034040@5.5.5.242:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces

Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 27528 2 IN IP4 5.5.5.242
 s=SIP Call
 t=0 0
 m=audio 22302 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.242
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[67] ACK sip:303404005.5.5.242:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf9169c790ed
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992698
 To: <sip:303404005.5.5.242>;tag=0018b93bb53e02437f49c9eb-2670d67a
 Date: Thu, 14 Jun 2007 14:03:51 GMT
 Call-ID: f53bc00-67114ac1-1f2e-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 105 ACK
 Allow-Events: presence
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 4 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.241
 t=0 0
 m=audio 29960 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[68] ACK sip:303403005.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf921bda17e0
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992695
 To: <sip:303403005.5.5.241>;tag=001a2fcb77d6001643198fe4-5434f7ed
 Date: Thu, 14 Jun 2007 14:03:51 GMT
 Call-ID: 9f67180-67114ab8-1f2c-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 105 ACK
 Allow-Events: presence
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 4 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.242
 t=0 0
 m=audio 22302 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[69] BYE sip:303401005.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.241:5060;branch=z9hG4bKf73fdfe51
 From: <sip:303403005.5.5.241>;tag=001a2fcb77d6001643198fe4-5434f7ed
 To: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992695
 Call-ID: 9f67180-67114ab8-1f2c-2d050505@5.5.5.45
 Max-Forwards: 70
 Date: Thu, 14 Jun 2007 14:04:00 GMT
 CSeq: 101 BYE
 User-Agent: Cisco-CP7960G/7.5
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[70] BYE sip:303404005.5.5.242:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf9368c2eafd

From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992698
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e02437f49c9eb-2670d67a
 Date: Thu, 14 Jun 2007 14:03:51 GMT
 Call-ID: f53bc00-67114ac1-1f2e-2d050505@5.5.5.45
 User-Agent: Cisco-CCM6.0
 Max-Forwards: 70
 CSeq: 106 BYE
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[71] SIP/2.0 200 OK
 Via: SIP/2.0/UDP 5.5.5.241:5060;branch=z9hG4bK73fdfe51
 From: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001643198fe4-5434f7ed
 To: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992695
 Date: Thu, 14 Jun 2007 14:04:00 GMT
 Call-ID: 9f67180-67114ab8-1f2c-2d050505@5.5.5.45
 CSeq: 101 BYE
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[72] SIP/2.0 200 OK
 Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf9368c2eafd
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992698
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e02437f49c9eb-2670d67a
 Call-ID: f53bc00-67114ac1-1f2e-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 14:03:59 GMT
 CSeq: 106 BYE
 Server: Cisco-CP7960G/7.5
 Content-Length: 0

5.2 Transfer Semi-Attended (All SIP Basic phones)

Title: Transfer Semi-Attended (All SIP Basic phones)

Description:

G calls H and then performs an early attended transfer to L.

"Transfer Semi-Attended" is sometimes referred to as "Early Attended Transfer".

Configuration:

Node = Unified CM, IP = 5.5.5.45

Phone = G, Line = 3034010, IP = 5.5.5.240, Model = SIP Basic

Phone = H, Line = 3034030, IP = 5.5.5.241, Model = SIP Basic

Phone = L, Line = 3034040, IP = 5.5.5.242, Model = SIP Basic

Scenario:

3034010 calls 3034030

3034030 is ringing

3034030 answers

3034010 presses Transfer softkey

3034010 dials 3034040

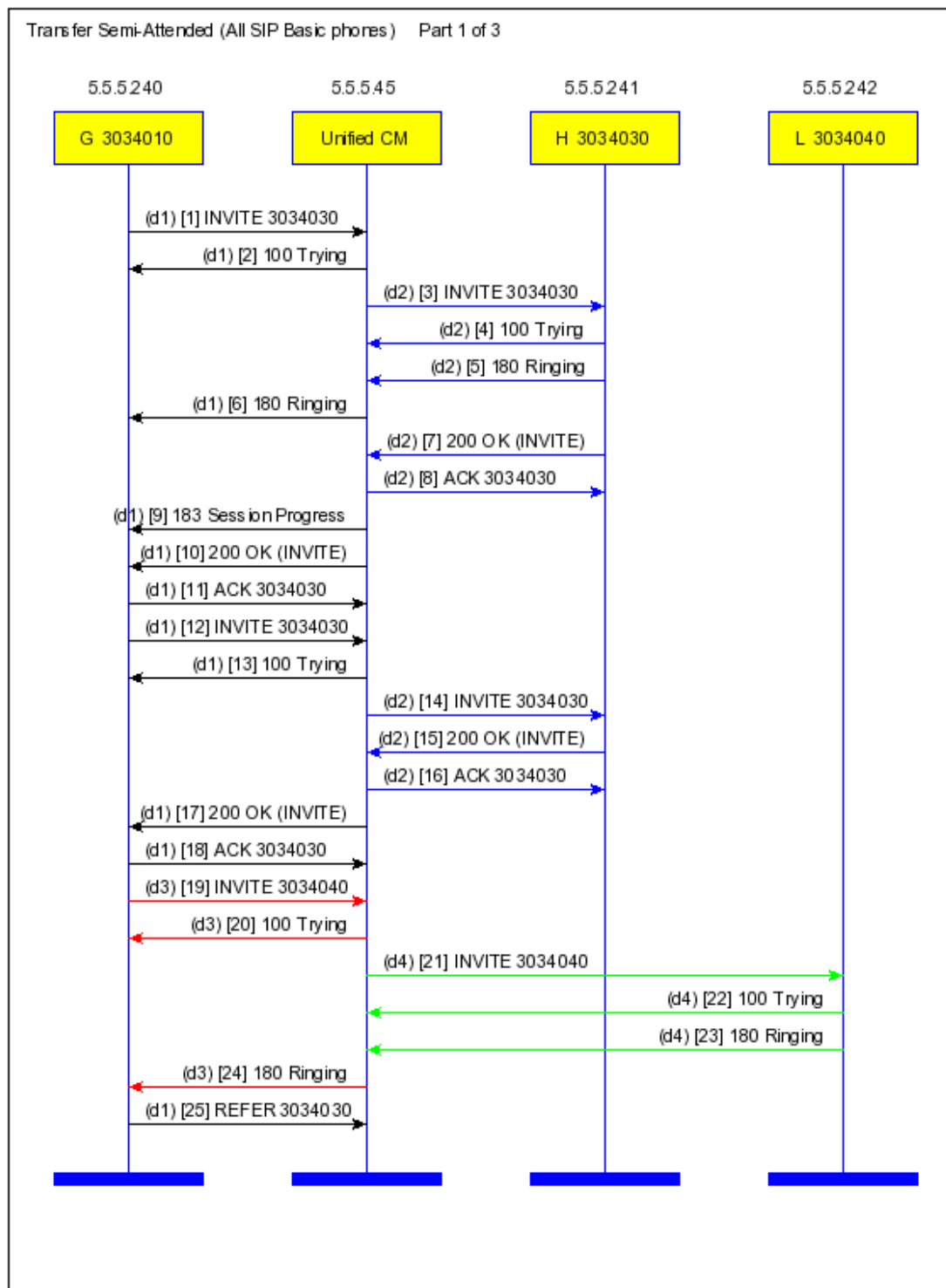
3034040 is ringing

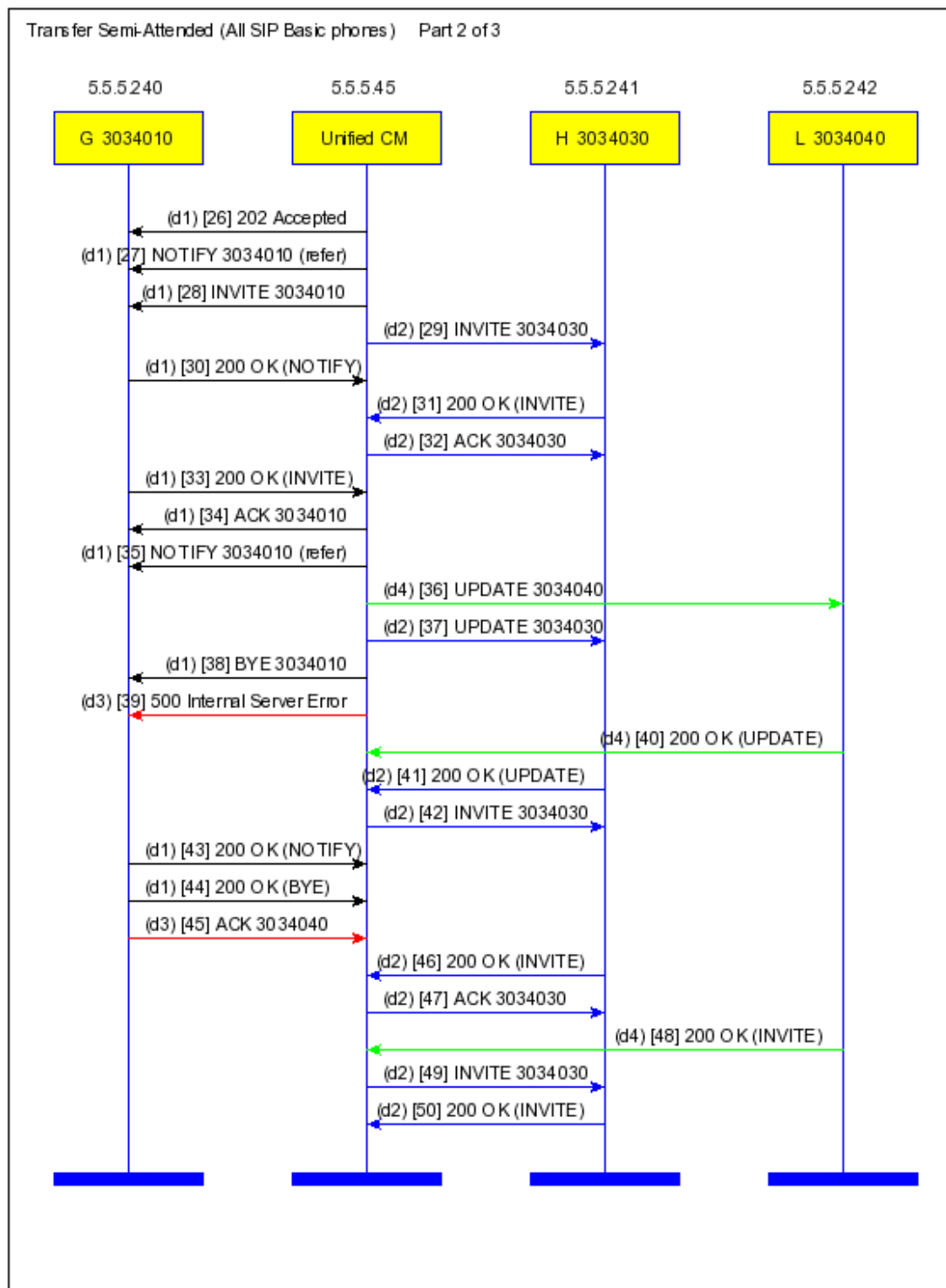
3034010 presses Transfer softkey to complete the transfer

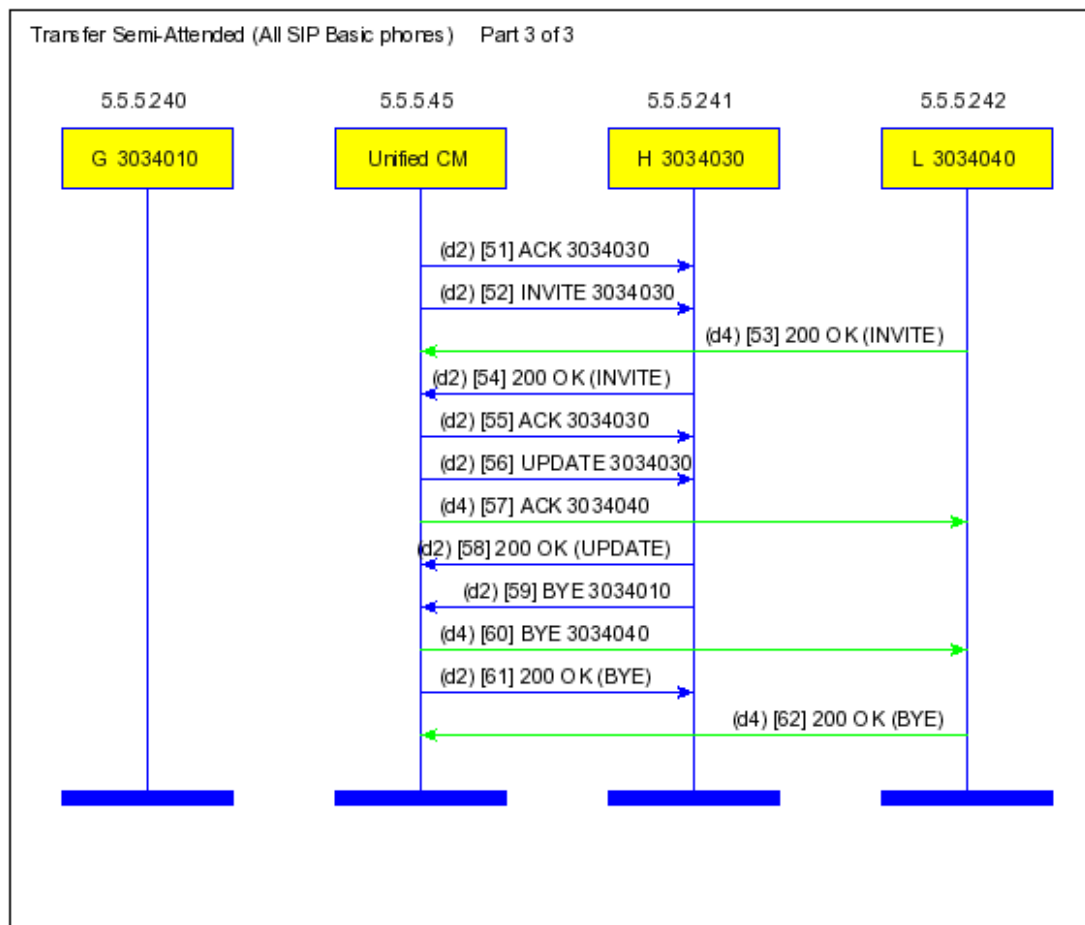
3034040 answers

3034030 and 3034040 are connected

3034030 goes onhook







[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[1] INVITE sip:3034030@5.5.5.45 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK25f48ff9
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02647ebc616e-47db8d08
 To: <sip:3034030@5.5.5.45>
 Call-ID: 001a2f8d-f17f0011-65850f6c-3ec8bff0@5.5.5.240
 Max-Forwards: 70
 Date: Thu, 14 Jun 2007 14:05:07 GMT
 CSeq: 101 INVITE
 User-Agent: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Expires: 180
 Accept: application/sdp
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 248
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 6115 0 IN IP4 5.5.5.240
 s=SIP Call
 t=0 0
 m=audio 20554 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.240
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[2] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK25f48ff9
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02647ebc616e-47db8d08
 To: <sip:3034030@5.5.5.45>
 Date: Thu, 14 Jun 2007 14:05:07 GMT
 Call-ID: 001a2f8d-f17f0011-65850f6c-3ec8bff0@5.5.5.240
 CSeq: 101 INVITE
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[3] INVITE sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf9413e85f16
 Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992700
 To: <sip:3034030@5.5.5.241>
 Date: Thu, 14 Jun 2007 14:05:07 GMT
 Call-ID: 4033f100-67114b13-1f31-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 101 INVITE
 Expires: 180
 Allow-Events: presence
 Alert-Info: <file://Bellcore-dr1/>
 Contact: <sip:3034030@5.5.5.45:5060>
 Max-Forwards: 69
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[4] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf9413e85f16
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992700
 To: <sip:3034030@5.5.5.241>
 Call-ID: 4033f100-67114b13-1f31-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 14:05:07 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[5] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf9413e85f16
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992700
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001701ea9252-6d3129ae
 Call-ID: 4033f100-67114b13-1f31-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 14:05:07 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[6] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK25f48ff9
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02647ebc616e-47db8d08
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992699
 Date: Thu, 14 Jun 2007 14:05:07 GMT
 Call-ID: 001a2f8d-f17f0011-65850f6c-3ec8bfff0@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Alerting 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[7] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf9413e85f16
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992700
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001701ea9252-6d3129ae
 Call-ID: 4033f100-67114b13-1f31-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 14:05:08 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 24091 0 IN IP4 5.5.5.241
 s=SIP Call
 t=0 0
 m=audio 29964 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.241
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[8] ACK sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf9564cabb17
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992700
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001701ea9252-6d3129ae
 Date: Thu, 14 Jun 2007 14:05:07 GMT
 Call-ID: 4033f100-67114b13-1f31-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 101 ACK
 Allow-Events: presence
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.240
 t=0 0
 m=audio 20554 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[9] SIP/2.0 183 Session Progress

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK25f48ff9
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02647ebc616e-47db8d08
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992699
 Date: Thu, 14 Jun 2007 14:05:07 GMT
 Call-ID: 001a2f8d-f17f0011-65850f6c-3ec8bff0@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Alerting 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.241
 t=0 0
 m=audio 29964 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[10] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK25f48ff9
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02647ebc616e-47db8d08
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992699
 Date: Thu, 14 Jun 2007 14:05:07 GMT
 Call-ID: 001a2f8d-f17f0011-65850f6c-3ec8bff0@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Supported: replaces
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.241
 t=0 0
 m=audio 29964 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[11] ACK sip:3034030@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK4b5fa452
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02647ebc616e-47db8d08
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992699
 Call-ID: 001a2f8d-f17f0011-65850f6c-3ec8bff0@5.5.5.240
 Max-Forwards: 70
 Date: Thu, 14 Jun 2007 14:05:09 GMT
 CSeq: 101 ACK
 User-Agent: Cisco-CP7960G/7.5
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[12] INVITE sip:3034030@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK3512f909
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02647ebc616e-47db8d08
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992699
 Call-ID: 001a2f8d-f17f0011-65850f6c-3ec8bff0@5.5.5.240
 Max-Forwards: 70
 Date: Thu, 14 Jun 2007 14:05:12 GMT
 CSeq: 102 INVITE
 User-Agent: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 248
 Content-Type: application/sdp

Content-Disposition: session;handling=optional

```
v=0
o=Cisco-SIPUA 6115 1 IN IP4 5.5.5.240
s=SIP Call
t=0 0
m=audio 20554 RTP/AVP 0 8 18 101
c=IN IP4 5.5.5.240
a=rtpmap:0 PCMU/8000
a=rtpmap:8 PCMA/8000
a=rtpmap:18 G729/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=sendonly
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[13] SIP/2.0 100 Trying

```
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK3512f909
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02647ebc616e-47db8d08
To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992699
Date: Thu, 14 Jun 2007 14:05:12 GMT
Call-ID: 001a2f8d-f17f0011-65850f6c-3ec8bff0@5.5.5.240
CSeq: 102 INVITE
Allow-Events: presence
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[14] INVITE sip:3034030@5.5.5.241:5060 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf966fdd6372
Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=off
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992700
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001701ea9252-6d3129ae
Date: Thu, 14 Jun 2007 14:05:12 GMT
Call-ID: 4033f100-67114b13-1f31-2d050505@5.5.5.45
Supported: timer,replaces
Min-SE: 1800
User-Agent: Cisco-CCM6.0
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
CSeq: 102 INVITE
Max-Forwards: 70
Contact: <sip:3034010@5.5.5.45:5060>
Expires: 180
Allow-Events: presence
Content-Type: application/sdp
Content-Length: 291
```

```
v=0
o=CiscoSystemsCCM-SIP 2000 2 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.240
t=0 0
m=audio 20554 RTP/AVP 0 8 18 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:8 PCMA/8000
a=ptime:20
a=rtpmap:18 G729/8000
a=ptime:20
a=sendonly
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[15] SIP/2.0 200 OK

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf966fdd6372
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992700
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001701ea9252-6d3129ae
Call-ID: 4033f100-67114b13-1f31-2d050505@5.5.5.45
Date: Thu, 14 Jun 2007 14:05:12 GMT
CSeq: 102 INVITE
Server: Cisco-CP7960G/7.5
Contact: <sip:3034030@5.5.5.241:5060>
Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
Supported: replaces
Content-Length: 199
Content-Type: application/sdp
Content-Disposition: session;handling=optional
```

v=0

```

o=Cisco-SIPUA 24091 1 IN IP4 5.5.5.241
s=SIP Call
t=0 0
m=audio 29964 RTP/AVP 0 101
c=IN IP4 5.5.5.241
a=rtpmap:0 PCMU/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=recvonly

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[16] ACK sip:30340300@5.5.5.241:5060 SIP/2.0

```

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf97422b7ae3
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992700
To: <sip:30340300@5.5.5.241>;tag=001a2fcb77d6001701ea9252-6d3129ae
Date: Thu, 14 Jun 2007 14:05:12 GMT
Call-ID: 4033f100-67114b13-1f31-2d050505@5.5.5.45
Max-Forwards: 70
CSeq: 102 ACK
Allow-Events: presence
Content-Length: 0

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[17] SIP/2.0 200 OK

```

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK3512f909
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02647ebc616e-47db8d08
To: <sip:30340300@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992699
Date: Thu, 14 Jun 2007 14:05:12 GMT
Call-ID: 001a2f8d-f17f0011-65850f6c-3ec8bff0@5.5.5.240
CSeq: 102 INVITE
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
Allow-Events: presence
Remote-Party-ID: "SIP Basic 3034030" <sip:30340300@5.5.5.45>;party=called;screen=yes;privacy=off
Contact: <sip:30340300@5.5.5.45:5060>
Supported: replaces
Content-Type: application/sdp
Content-Length: 217

```

```

v=0
o=CiscoSystemsCCM-SIP 2000 2 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.241
t=0 0
m=audio 29964 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=recvonly
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[18] ACK sip:30340300@5.5.5.45:5060 SIP/2.0

```

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK4a4d0b47
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02647ebc616e-47db8d08
To: <sip:30340300@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992699
Call-ID: 001a2f8d-f17f0011-65850f6c-3ec8bff0@5.5.5.240
Max-Forwards: 70
Date: Thu, 14 Jun 2007 14:05:12 GMT
CSeq: 102 ACK
User-Agent: Cisco-CP7960G/7.5
Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
Content-Length: 0

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[19] INVITE sip:30340400@5.5.5.45 SIP/2.0

```

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK3a12c8d1
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02650ae004bc-7767e202
To: <sip:30340400@5.5.5.45>
Call-ID: 001a2f8d-f17f0012-2db4b0f9-64190e35@5.5.5.240
Max-Forwards: 70
Date: Thu, 14 Jun 2007 14:05:19 GMT
CSeq: 101 INVITE
User-Agent: Cisco-CP7960G/7.5
Contact: <sip:3034010@5.5.5.240:5060>
Expires: 180
Accept: application/sdp
Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
Supported: replaces
Content-Length: 249

```

Content-Type: application/sdp
Content-Disposition: session;handling=optional

v=0
o=Cisco-SIPUA 24062 0 IN IP4 5.5.5.240
s=SIP Call
t=0 0
m=audio 20558 RTP/AVP 0 8 18 101
c=IN IP4 5.5.5.240
a=rtpmap:0 PCMU/8000
a=rtpmap:8 PCMA/8000
a=rtpmap:18 G729/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[20] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK3a12c8d1
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02650ae004bc-7767e202
To: <sip:3034040@5.5.5.45>
Date: Thu, 14 Jun 2007 14:05:19 GMT
Call-ID: 001a2f8d-f17f0012-2db4b0f9-64190e35@5.5.5.240
CSeq: 101 INVITE
Allow-Events: presence
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[21] INVITE sip:3034040@5.5.5.242:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf98d4b32bc
Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=off
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992703
To: <sip:3034040@5.5.5.242>
Date: Thu, 14 Jun 2007 14:05:19 GMT
Call-ID: 475aff00-67114b1f-1f33-2d050505@5.5.5.45
Supported: timer,replaces
Min-SE: 1800
User-Agent: Cisco-CCM6.0
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
CSeq: 101 INVITE
Expires: 180
Allow-Events: presence
Alert-Info: <file://Bellcore-dr1/>
Contact: <sip:3034040@5.5.5.45:5060>
Max-Forwards: 69
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[22] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf98d4b32bc
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992703
To: <sip:3034040@5.5.5.242>
Call-ID: 475aff00-67114b1f-1f33-2d050505@5.5.5.45
Date: Thu, 14 Jun 2007 14:05:19 GMT
CSeq: 101 INVITE
Server: Cisco-CP7960G/7.5
Contact: <sip:3034040@5.5.5.242:5060>
Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[23] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf98d4b32bc
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992703
To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e02457f719e5d-54015ea0
Call-ID: 475aff00-67114b1f-1f33-2d050505@5.5.5.45
Date: Thu, 14 Jun 2007 14:05:19 GMT
CSeq: 101 INVITE
Server: Cisco-CP7960G/7.5
Contact: <sip:3034040@5.5.5.242:5060>
Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[24] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK3a12c8d1
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02650ae004bc-7767e202
To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992702

Date: Thu, 14 Jun 2007 14:05:19 GMT
 Call-ID: 001a2f8d-f17f0012-2db4b0f9-64190e35@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034040@5.5.5.45:5060>
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[25] REFER sip:3034030@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK7ecdc5c3
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02647ebc616e-47db8d08
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992699
 Call-ID: 001a2f8d-f17f0011-65850f6c-3ec8bfff0@5.5.5.240
 Max-Forwards: 70
 Date: Thu, 14 Jun 2007 14:05:21 GMT
 CSeq: 103 REFER
 User-Agent: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0
 Refer-To: <sip:3034040@5.5.5.45?Replaces=001a2f8d-f17f0012-2db4b0f9-64190e35%405.5.5.240%3Bto-tag%3D59767ab7-7931-49bc-8b8e-166d4f2cee02-28992702%3Bfrom-tag%3D001a2f8df17f02650ae004bc-7767e202>
 Referred-By: "3034010" <sip:3034010@5.5.5.45>

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[26] SIP/2.0 202 Accepted

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK7ecdc5c3
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02647ebc616e-47db8d08
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992699
 Date: Thu, 14 Jun 2007 14:05:21 GMT
 Call-ID: 001a2f8d-f17f0011-65850f6c-3ec8bfff0@5.5.5.240
 CSeq: 103 REFER
 Content-Length: 0
 Contact: <sip:3034030@5.5.5.45:5060>

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[27] NOTIFY sip:3034010@5.5.5.240:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf992b3dbbdc
 From: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992699
 To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02647ebc616e-47db8d08
 Call-ID: 001a2f8d-f17f0011-65850f6c-3ec8bfff0@5.5.5.240
 CSeq: 101 NOTIFY
 Max-Forwards: 70
 Date: Thu, 14 Jun 2007 14:05:21 GMT
 User-Agent: Cisco-CCM6.0
 Event: refer
 Subscription-State: active;expires=60
 Contact: <sip:3034030@5.5.5.45:5060>
 Content-Type: message/sipfrag;version=2.0
 Content-Length: 20

SIP/2.0 100 Trying

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[28] INVITE sip:3034010@5.5.5.240:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf9a17763fde
 Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992699
 To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02647ebc616e-47db8d08
 Date: Thu, 14 Jun 2007 14:05:21 GMT
 Call-ID: 001a2f8d-f17f0011-65850f6c-3ec8bfff0@5.5.5.240
 Supported: timer,replaces
 Min-SE: 1800
 Cisco-Guid: 1077145856-1729186579-7984-755303685
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 102 INVITE
 Max-Forwards: 70
 Contact: <sip:3034030@5.5.5.45:5060>
 Expires: 180
 Allow-Events: presence
 Content-Type: application/sdp
 Content-Length: 215

v=0
 o=CiscoSystemsCCM-SIP 2000 3 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 0.0.0.0

```
t=0 0
m=audio 29964 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=inactive
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[29] INVITE sip:3034030@5.5.5.241:5060 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf9b62c99218
Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=off
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992700
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001701ea9252-6d3129ae
Date: Thu, 14 Jun 2007 14:05:21 GMT
Call-ID: 4033f100-67114b13-1f31-2d050505@5.5.5.45
Supported: timer,replaces
Min-SE: 1800
User-Agent: Cisco-CCM6.0
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
CSeq: 103 INVITE
Max-Forwards: 70
Contact: <sip:3034010@5.5.5.45:5060>
Expires: 180
Allow-Events: presence
Content-Type: application/sdp
Content-Length: 289
```

```
v=0
o=CiscoSystemsCCM-SIP 2000 3 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 0.0.0.0
t=0 0
m=audio 20554 RTP/AVP 0 8 18 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:8 PCMA/8000
a=ptime:20
a=rtpmap:18 G729/8000
a=ptime:20
a=inactive
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[30] SIP/2.0 200 OK

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf992b3dbbdc
From: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992699
To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02647ebc616e-47db8d08
Call-ID: 001a2f8d-f17f0011-65850f6c-3ec8bff0@5.5.5.240
Date: Thu, 14 Jun 2007 14:05:22 GMT
CSeq: 101 NOTIFY
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[31] SIP/2.0 200 OK

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf9b62c99218
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992700
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001701ea9252-6d3129ae
Call-ID: 4033f100-67114b13-1f31-2d050505@5.5.5.45
Date: Thu, 14 Jun 2007 14:05:22 GMT
CSeq: 103 INVITE
Server: Cisco-CP7960G/7.5
Contact: <sip:3034030@5.5.5.241:5060>
Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
Supported: replaces
Content-Length: 199
Content-Type: application/sdp
Content-Disposition: session;handling=optional
```

```
v=0
o=Cisco-SIPUA 24091 2 IN IP4 5.5.5.241
s=SIP Call
t=0 0
m=audio 29964 RTP/AVP 0 101
c=IN IP4 5.5.5.241
a=rtpmap:0 PCMU/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

a=inactive

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[32] ACK sip:30340300@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf9c6e16283a
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992700
 To: <sip:30340300@5.5.5.241>;tag=001a2fcb77d6001701ea9252-6d3129ae
 Date: Thu, 14 Jun 2007 14:05:21 GMT
 Call-ID: 4033f100-67114b13-1f31-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 103 ACK
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[33] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf9a17763fde
 From: <sip:30340300@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992699
 To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02647ebc616e-47db8d08
 Call-ID: 001a2f8d-f17f0011-65850f6c-3ec8bff0@5.5.5.240
 Date: Thu, 14 Jun 2007 14:05:22 GMT
 CSeq: 102 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 198
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 6115 2 IN IP4 5.5.5.240
 s=SIP Call
 t=0 0
 m=audio 20554 RTP/AVP 0 101
 c=IN IP4 5.5.5.240
 a=rtpmap:0 PCMU/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=inactive

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[34] ACK sip:30340100@5.5.5.240:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf9dc84e299
 From: <sip:30340300@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992699
 To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02647ebc616e-47db8d08
 Date: Thu, 14 Jun 2007 14:05:21 GMT
 Call-ID: 001a2f8d-f17f0011-65850f6c-3ec8bff0@5.5.5.240
 Max-Forwards: 70
 CSeq: 102 ACK
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[35] NOTIFY sip:30340100@5.5.5.240:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf9e22b24d20
 From: <sip:30340300@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992699
 To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02647ebc616e-47db8d08
 Call-ID: 001a2f8d-f17f0011-65850f6c-3ec8bff0@5.5.5.240
 CSeq: 103 NOTIFY
 Max-Forwards: 70
 Date: Thu, 14 Jun 2007 14:05:22 GMT
 User-Agent: Cisco-CCM6.0
 Event: refer
 Subscription-State: terminated;reason=noresource
 Contact: <sip:30340300@5.5.5.45:5060>
 Content-Type: message/sipfrag;version=2.0
 Content-Length: 16

SIP/2.0 200 OK

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[36] UPDATE sip:30340400@5.5.5.242:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf9f69ac4ea0
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992703
 To: <sip:30340400@5.5.5.242>;tag=0018b93bb53e02457f719e5d-54015ea0
 Date: Thu, 14 Jun 2007 14:05:19 GMT
 Call-ID: 475aff00-67114b1f-1f33-2d050505@5.5.5.45
 User-Agent: Cisco-CCM6.0

Max-Forwards: 70
 CSeq: 102 UPDATE
 Contact: <sip:3034010@5.5.5.45:5060>
 Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=calling;screen=yes;privacy=off
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[37] UPDATE sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfa015fe2964
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992700
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001701ea9252-6d3129ae
 Date: Thu, 14 Jun 2007 14:05:21 GMT
 Call-ID: 4033f100-67114b13-1f31-2d050505@5.5.5.45
 User-Agent: Cisco-CCM6.0
 Max-Forwards: 70
 CSeq: 104 UPDATE
 Contact: <sip:3034010@5.5.5.45:5060>
 Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=calling;screen=yes;privacy=off
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[38] BYE sip:3034010@5.5.5.240:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfa15c5441f7
 From: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992699
 To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02647ebc616e-47db8d08
 Date: Thu, 14 Jun 2007 14:05:21 GMT
 Call-ID: 001a2f8d-f17f0011-65850f6c-3ec8bfff0@5.5.5.240
 User-Agent: Cisco-CCM6.0
 Max-Forwards: 70
 CSeq: 104 BYE
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[39] SIP/2.0 500 Internal Server Error

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK3a12c8d1
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02650ae004bc-7767e202
 To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992702
 Date: Thu, 14 Jun 2007 14:05:19 GMT
 Call-ID: 001a2f8d-f17f0012-2db4b0f9-64190e35@5.5.5.240
 CSeq: 101 INVITE
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[40] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf9f69ac4ea0
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992703
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e02457f719e5d-54015ea0
 Call-ID: 475aff00-67114b1f-1f33-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 14:05:21 GMT
 CSeq: 102 UPDATE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034040@5.5.5.242:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[41] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfa015fe2964
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992700
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001701ea9252-6d3129ae
 Call-ID: 4033f100-67114b13-1f31-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 14:05:22 GMT
 CSeq: 104 UPDATE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 24091 2 IN IP4 5.5.5.241
 s=SIP Call
 t=0 0
 m=audio 29964 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.241
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000

```
a=rtptime:101 telephone-event/8000
a=fmtp:101 0-15
a=sendrecv
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

```
[42] INVITE sip:3034030@5.5.5.241:5060 SIP/2.0
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfa25d57142f
Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=calling;screen=yes;privacy=off
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992700
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001701ea9252-6d3129ae
Date: Thu, 14 Jun 2007 14:05:22 GMT
Call-ID: 4033f100-67114b13-1f31-2d050505@5.5.5.45
Supported: timer,replaces
Min-SE: 1800
User-Agent: Cisco-CCM6.0
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
CSeq: 105 INVITE
Max-Forwards: 70
Contact: <sip:3034010@5.5.5.45:5060>
Expires: 180
Allow-Events: presence
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

```
[43] SIP/2.0 200 OK
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf9e22b24d20
From: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992699
To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02647ebc616e-47db8d08
Call-ID: 001a2f8d-f17f0011-65850f6c-3ec8bfff0@5.5.5.240
Date: Thu, 14 Jun 2007 14:05:22 GMT
CSeq: 103 NOTIFY
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

```
[44] SIP/2.0 200 OK
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfa15c5441f7
From: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992699
To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02647ebc616e-47db8d08
Call-ID: 001a2f8d-f17f0011-65850f6c-3ec8bfff0@5.5.5.240
Date: Thu, 14 Jun 2007 14:05:22 GMT
CSeq: 104 BYE
Server: Cisco-CP7960G/7.5
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

```
[45] ACK sip:3034040@5.5.5.45 SIP/2.0
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK3a12c8d1
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f02650ae004bc-7767e202
To: <sip:3034040@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992702
Call-ID: 001a2f8d-f17f0012-2db4b0f9-64190e35@5.5.5.240
Date: Thu, 14 Jun 2007 14:05:22 GMT
CSeq: 101 ACK
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

```
[46] SIP/2.0 200 OK
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfa25d57142f
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992700
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001701ea9252-6d3129ae
Call-ID: 4033f100-67114b13-1f31-2d050505@5.5.5.45
Date: Thu, 14 Jun 2007 14:05:22 GMT
CSeq: 105 INVITE
Server: Cisco-CP7960G/7.5
Contact: <sip:3034030@5.5.5.241:5060>
Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
Supported: replaces
Content-Length: 249
Content-Type: application/sdp
Content-Disposition: session;handling=optional
```

```
v=0
o=Cisco-SIPUA 24091 2 IN IP4 5.5.5.241
s=SIP Call
t=0 0
m=audio 29964 RTP/AVP 0 8 18 101
c=IN IP4 5.5.5.241
a=rtptime:0 PCMU/8000
a=rtptime:8 PCMA/8000
a=rtptime:18 G729/8000
```

```
a=rtptime:101 telephone-event/8000
a=fmtp:101 0-15
a=sendrecv
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[47] ACK sip:30340300@5.5.5.241:5060 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfa3a632a49
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992700
To: <sip:30340300@5.5.5.241>;tag=001a2fcb77d6001701ea9252-6d3129ae
Date: Thu, 14 Jun 2007 14:05:22 GMT
Call-ID: 4033f100-67114b13-1f31-2d050505@5.5.5.45
Max-Forwards: 70
CSeq: 105 ACK
Allow-Events: presence
Content-Type: application/sdp
Content-Length: 215
```

```
v=0
o=CiscoSystemsCCM-SIP 2000 4 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.45
t=0 0
m=audio 4000 RTP/AVP 0 101
a=rtptime:0 PCMU/8000
a=ptime:20
a=sendonly
a=rtptime:101 telephone-event/8000
a=fmtp:101 0-15
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[48] SIP/2.0 200 OK

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf98d4b32bc
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992703
To: <sip:30340400@5.5.5.242>;tag=0018b93bb53e02457f719e5d-54015ea0
Call-ID: 475aff00-67114b1f-1f33-2d050505@5.5.5.45
Date: Thu, 14 Jun 2007 14:05:25 GMT
CSeq: 101 INVITE
Server: Cisco-CP7960G/7.5
Contact: <sip:30340400@5.5.5.242:5060>
Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
Supported: replaces
Content-Length: 249
Content-Type: application/sdp
Content-Disposition: session;handling=optional
```

```
v=0
o=Cisco-SIPUA 18857 0 IN IP4 5.5.5.242
s=SIP Call
t=0 0
m=audio 22306 RTP/AVP 0 8 18 101
c=IN IP4 5.5.5.242
a=rtptime:0 PCMU/8000
a=rtptime:8 PCMA/8000
a=rtptime:18 G729/8000
a=rtptime:101 telephone-event/8000
a=fmtp:101 0-15
a=sendrecv
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[49] INVITE sip:30340300@5.5.5.241:5060 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfa44e479a82
Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=calling;screen=yes;privacy=off
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992700
To: <sip:30340300@5.5.5.241>;tag=001a2fcb77d6001701ea9252-6d3129ae
Date: Thu, 14 Jun 2007 14:05:26 GMT
Call-ID: 4033f100-67114b13-1f31-2d050505@5.5.5.45
Supported: timer,replaces
Min-SE: 1800
User-Agent: Cisco-CCM6.0
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
CSeq: 106 INVITE
Max-Forwards: 70
Contact: <sip:3034010@5.5.5.45:5060>
Expires: 180
Allow-Events: presence
Content-Type: application/sdp
Content-Length: 214
```

```
v=0
```

```

o=CiscoSystemsCCM-SIP 2000 5 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 0.0.0.0
t=0 0
m=audio 4000 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=inactive
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[50] SIP/2.0 200 OK

```

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfa44e479a82
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992700
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001701ea9252-6d3129ae
Call-ID: 4033f100-67114b13-1f31-2d050505@5.5.5.45
Date: Thu, 14 Jun 2007 14:05:26 GMT
CSeq: 106 INVITE
Server: Cisco-CP7960G/7.5
Contact: <sip:3034030@5.5.5.241:5060>
Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
Supported: replaces
Content-Length: 199
Content-Type: application/sdp
Content-Disposition: session;handling=optional

```

```

v=0
o=Cisco-SIPUA 24091 4 IN IP4 5.5.5.241
s=SIP Call
t=0 0
m=audio 29964 RTP/AVP 0 101
c=IN IP4 5.5.5.241
a=rtpmap:0 PCMU/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=inactive

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[51] ACK sip:3034030@5.5.5.241:5060 SIP/2.0

```

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfa519f642b2
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992700
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001701ea9252-6d3129ae
Date: Thu, 14 Jun 2007 14:05:26 GMT
Call-ID: 4033f100-67114b13-1f31-2d050505@5.5.5.45
Max-Forwards: 70
CSeq: 106 ACK
Allow-Events: presence
Content-Length: 0

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[52] INVITE sip:3034030@5.5.5.241:5060 SIP/2.0

```

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfa6202cd398
Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=calling;screen=yes;privacy=off
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992700
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001701ea9252-6d3129ae
Date: Thu, 14 Jun 2007 14:05:26 GMT
Call-ID: 4033f100-67114b13-1f31-2d050505@5.5.5.45
Supported: timer,replaces
Min-SE: 1800
User-Agent: Cisco-CCM6.0
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
CSeq: 107 INVITE
Max-Forwards: 70
Contact: <sip:3034010@5.5.5.45:5060>
Expires: 180
Allow-Events: presence
Content-Length: 0

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[53] SIP/2.0 200 OK

```

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf98d4b32bc
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992703
To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e02457f719e5d-54015ea0
Call-ID: 475aff00-67114b1f-1f33-2d050505@5.5.5.45
Date: Thu, 14 Jun 2007 14:05:25 GMT
CSeq: 101 INVITE
Server: Cisco-CP7960G/7.5
Contact: <sip:3034040@5.5.5.242:5060>

```

Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 18857 0 IN IP4 5.5.5.242
 s=SIP Call
 t=0 0
 m=audio 22306 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.242
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[54] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfa6202cd398
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992700
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001701ea9252-6d3129ae
 Call-ID: 4033f100-67114b13-1f31-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 14:05:27 GMT
 CSeq: 107 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 24091 4 IN IP4 5.5.5.241
 s=SIP Call
 t=0 0
 m=audio 29964 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.241
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[55] ACK sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfa738ab15d2
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992700
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001701ea9252-6d3129ae
 Date: Thu, 14 Jun 2007 14:05:26 GMT
 Call-ID: 4033f100-67114b13-1f31-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 107 ACK
 Allow-Events: presence
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 6 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.242
 t=0 0
 m=audio 22306 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[56] UPDATE sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfa86f4c3920
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992700
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001701ea9252-6d3129ae
 Date: Thu, 14 Jun 2007 14:05:26 GMT

Call-ID: 4033f100-67114b13-1f31-2d050505@5.5.5.45
 User-Agent: Cisco-CCM6.0
 Max-Forwards: 70
 CSeq: 108 UPDATE
 Contact: <sip:3034010@5.5.5.45:5060>
 Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=calling;screen=yes;privacy=off
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[57] ACK sip:3034040@5.5.5.242:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfa919a9da5f
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992703
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e02457f719e5d-54015ea0
 Date: Thu, 14 Jun 2007 14:05:19 GMT
 Call-ID: 475aff00-67114b1f-1f33-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 101 ACK
 Allow-Events: presence
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.241
 t=0 0
 m=audio 29964 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[58] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfa86f4c3920
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992700
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001701ea9252-6d3129ae
 Call-ID: 4033f100-67114b13-1f31-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 14:05:27 GMT
 CSeq: 108 UPDATE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 24091 5 IN IP4 5.5.5.241
 s=SIP Call
 t=0 0
 m=audio 29964 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.241
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[59] BYE sip:3034010@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.241:5060;branch=z9hG4bK5e4414e9
 From: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001701ea9252-6d3129ae
 To: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992700
 Call-ID: 4033f100-67114b13-1f31-2d050505@5.5.5.45
 Max-Forwards: 70
 Date: Thu, 14 Jun 2007 14:05:29 GMT
 CSeq: 101 BYE
 User-Agent: Cisco-CP7960G/7.5
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[60] BYE sip:3034040@5.5.5.242:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfaa177704db
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992703
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e02457f719e5d-54015ea0
 Date: Thu, 14 Jun 2007 14:05:19 GMT
 Call-ID: 475aff00-67114b1f-1f33-2d050505@5.5.5.45
 User-Agent: Cisco-CCM6.0

Max-Forwards: 70
CSeq: 103 BYE
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[61] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.241:5060;branch=z9hG4bK5e4414e9
From: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001701ea9252-6d3129ae
To: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992700
Date: Thu, 14 Jun 2007 14:05:29 GMT
Call-ID: 4033f100-67114b13-1f31-2d050505@5.5.5.45
CSeq: 101 BYE
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[62] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfaa177704db
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992703
To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e02457f719e5d-54015ea0
Call-ID: 475aff00-67114b1f-1f33-2d050505@5.5.5.45
Date: Thu, 14 Jun 2007 14:05:28 GMT
CSeq: 103 BYE
Server: Cisco-CP7960G/7.5
Content-Length: 0

5.3 Transfer Unattended (SIP Basic phones)

Title: Transfer Unattended (SIP Basic phones)

Description:

G calls H and then performs a consultative transfer to L.

"transfer unattended" is sometimes referred to as "Blind Transfer"

Configuration:

Node = Unified CM, IP = 5.5.5.45

Phone = G, Line = 3034010, IP = 5.5.5.240, Model = SIP Basic

Phone = H, Line = 3034030, IP = 5.5.5.241, Model = SIP Basic

Phone = L, Line = 3034040, IP = 5.5.5.242, Model = SIP Basic

Scenario:

3034010 calls 3034030

3034030 is ringing

3034030 answers

3034010 presses BlindXfer softkey

3034010 dials 3034040

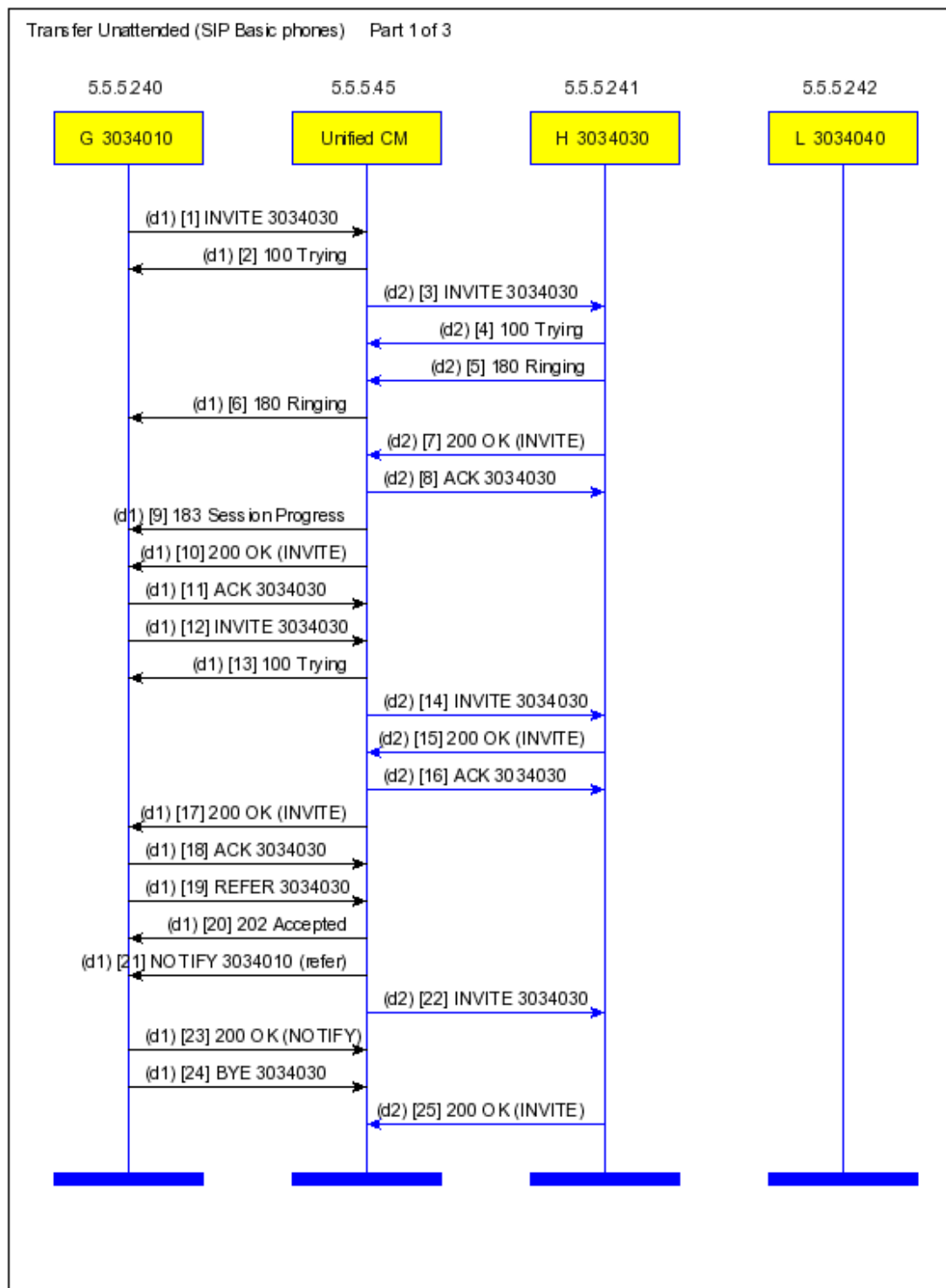
Call is cleared from 3034010

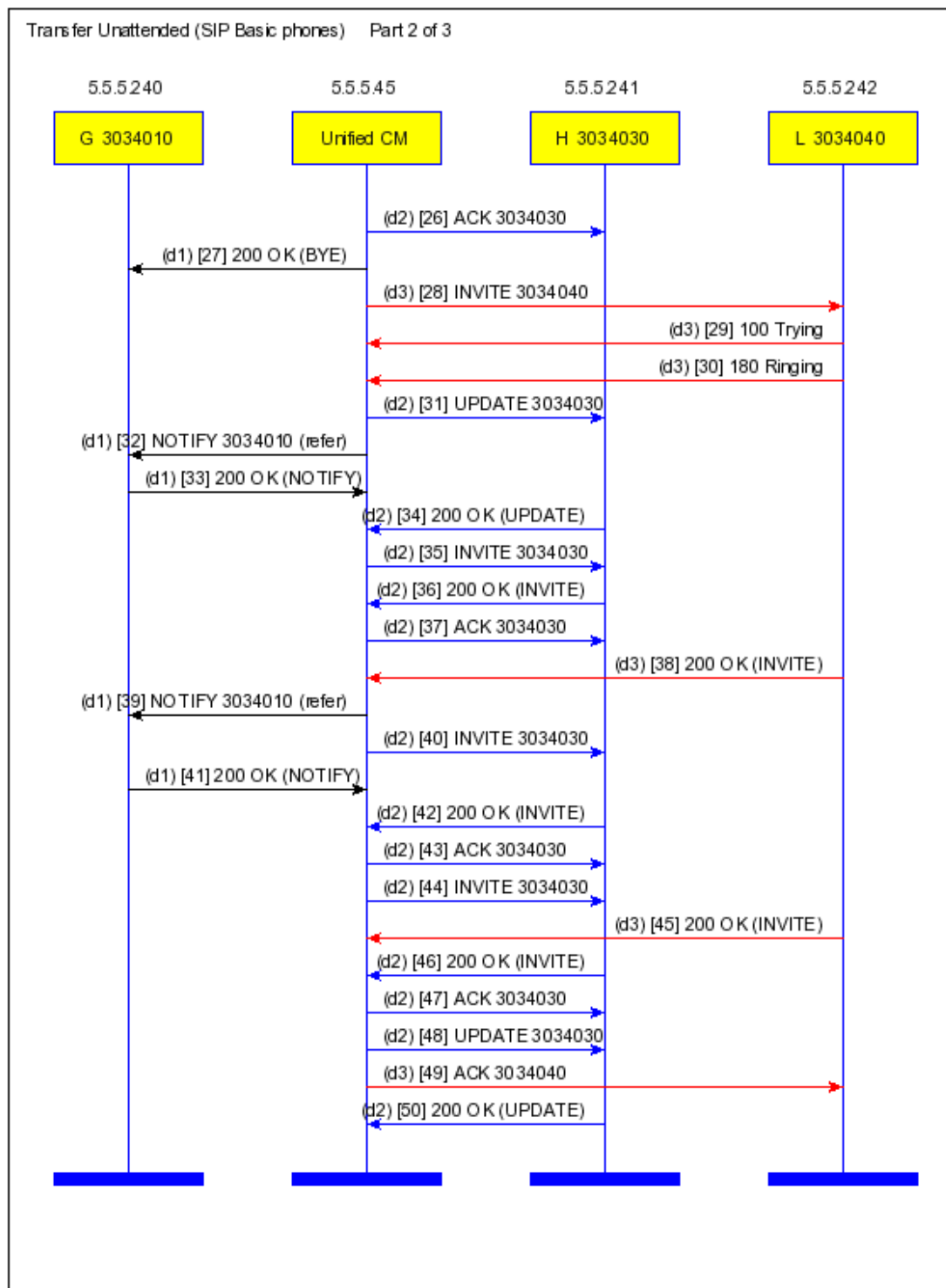
3034040 is ringing

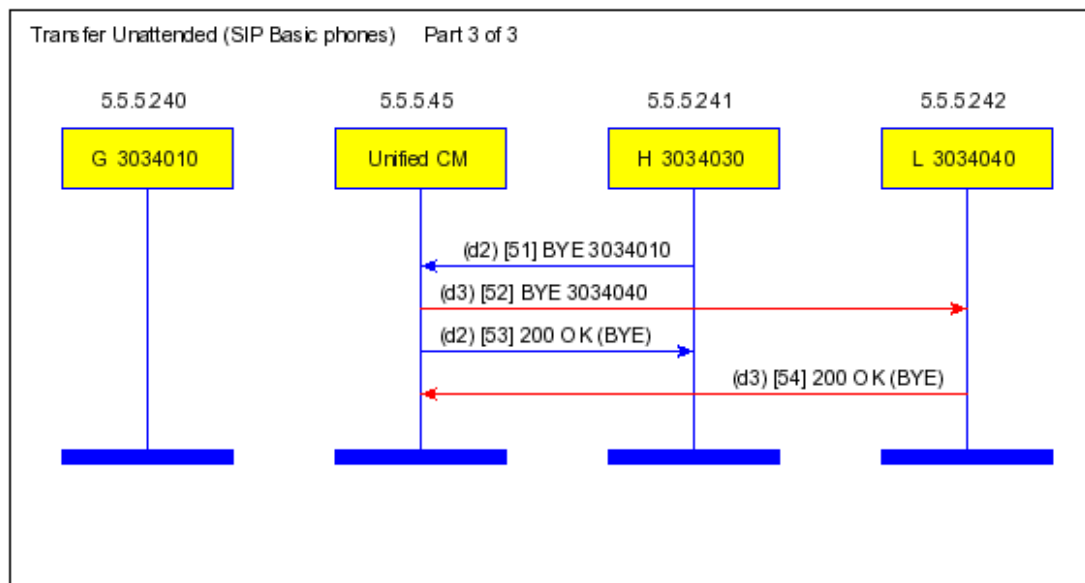
3034040 answers

3034030 and 3034040 are connected

3034030 goes onhook







[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[1] INVITE sip:3034030@5.5.5.45 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK6b6dd705
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026708bd54b9-42d40857
 To: <sip:3034030@5.5.5.45>
 Call-ID: 001a2f8d-f17f0013-75fe7d57-529ea3c4@5.5.5.240
 Max-Forwards: 70
 Date: Thu, 14 Jun 2007 14:06:09 GMT
 CSeq: 101 INVITE
 User-Agent: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Expires: 180
 Accept: application/sdp
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 248
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 8332 0 IN IP4 5.5.5.240
 s=SIP Call
 t=0 0
 m=audio 20562 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.240
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[2] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK6b6dd705
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026708bd54b9-42d40857
 To: <sip:3034030@5.5.5.45>
 Date: Thu, 14 Jun 2007 14:06:09 GMT
 Call-ID: 001a2f8d-f17f0013-75fe7d57-529ea3c4@5.5.5.240
 CSeq: 101 INVITE
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[3] INVITE sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfab40714040
 Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992706
 To: <sip:3034030@5.5.5.241>
 Date: Thu, 14 Jun 2007 14:06:09 GMT
 Call-ID: 65286400-67114b51-1f37-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 101 INVITE
 Expires: 180
 Allow-Events: presence
 Alert-Info: <file://Bellcore-dr1/>
 Contact: <sip:3034030@5.5.5.45:5060>
 Max-Forwards: 69
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[4] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfab40714040
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992706
 To: <sip:3034030@5.5.5.241>
 Call-ID: 65286400-67114b51-1f37-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 14:06:09 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[5] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfab40714040
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992706
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001911699b8c-2f8bad06
 Call-ID: 65286400-67114b51-1f37-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 14:06:09 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[6] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK6b6dd705
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026708bd54b9-42d40857
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992705
 Date: Thu, 14 Jun 2007 14:06:09 GMT
 Call-ID: 001a2f8d-f17f0013-75fe7d57-529ea3c4@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Alerting 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[7] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfab40714040
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992706
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001911699b8c-2f8bad06
 Call-ID: 65286400-67114b51-1f37-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 14:06:10 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 12142 0 IN IP4 5.5.5.241
 s=SIP Call
 t=0 0
 m=audio 29968 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.241
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[8] ACK sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfacc27103e50
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992706
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001911699b8c-2f8bad06
 Date: Thu, 14 Jun 2007 14:06:09 GMT
 Call-ID: 65286400-67114b51-1f37-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 101 ACK
 Allow-Events: presence
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.240
 t=0 0
 m=audio 20562 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[9] SIP/2.0 183 Session Progress

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK6b6dd705
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026708bd54b9-42d40857
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992705
 Date: Thu, 14 Jun 2007 14:06:09 GMT
 Call-ID: 001a2f8d-f17f0013-75fe7d57-529ea3c4@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Alerting 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.241
 t=0 0
 m=audio 29968 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[10] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK6b6dd705
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026708bd54b9-42d40857
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992705
 Date: Thu, 14 Jun 2007 14:06:09 GMT
 Call-ID: 001a2f8d-f17f0013-75fe7d57-529ea3c4@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Supported: replaces
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.241
 t=0 0
 m=audio 29968 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[11] ACK sip:3034030@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK6e5f3801
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026708bd54b9-42d40857
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992705
 Call-ID: 001a2f8d-f17f0013-75fe7d57-529ea3c4@5.5.5.240
 Max-Forwards: 70
 Date: Thu, 14 Jun 2007 14:06:11 GMT
 CSeq: 101 ACK
 User-Agent: Cisco-CP7960G/7.5
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[12] INVITE sip:3034030@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK254acf35
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026708bd54b9-42d40857
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992705
 Call-ID: 001a2f8d-f17f0013-75fe7d57-529ea3c4@5.5.5.240
 Max-Forwards: 70
 Date: Thu, 14 Jun 2007 14:06:13 GMT
 CSeq: 102 INVITE
 User-Agent: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 248
 Content-Type: application/sdp

Content-Disposition: session;handling=optional

```
v=0
o=Cisco-SIPUA 8332 1 IN IP4 5.5.5.240
s=SIP Call
t=0 0
m=audio 20562 RTP/AVP 0 8 18 101
c=IN IP4 5.5.5.240
a=rtpmap:0 PCMU/8000
a=rtpmap:8 PCMA/8000
a=rtpmap:18 G729/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=sendonly
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[13] SIP/2.0 100 Trying

```
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK254acf35
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026708bd54b9-42d40857
To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992705
Date: Thu, 14 Jun 2007 14:06:13 GMT
Call-ID: 001a2f8d-f17f0013-75fe7d57-529ea3c4@5.5.5.240
CSeq: 102 INVITE
Allow-Events: presence
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[14] INVITE sip:3034030@5.5.5.241:5060 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfad663199fe
Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=off
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992706
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001911699b8c-2f8bad06
Date: Thu, 14 Jun 2007 14:06:13 GMT
Call-ID: 65286400-67114b51-1f37-2d050505@5.5.5.45
Supported: timer,replaces
Min-SE: 1800
User-Agent: Cisco-CCM6.0
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
CSeq: 102 INVITE
Max-Forwards: 70
Contact: <sip:3034010@5.5.5.45:5060>
Expires: 180
Allow-Events: presence
Content-Type: application/sdp
Content-Length: 291
```

```
v=0
o=CiscoSystemsCCM-SIP 2000 2 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.240
t=0 0
m=audio 20562 RTP/AVP 0 8 18 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:8 PCMA/8000
a=ptime:20
a=rtpmap:18 G729/8000
a=ptime:20
a=sendonly
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[15] SIP/2.0 200 OK

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfad663199fe
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992706
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001911699b8c-2f8bad06
Call-ID: 65286400-67114b51-1f37-2d050505@5.5.5.45
Date: Thu, 14 Jun 2007 14:06:13 GMT
CSeq: 102 INVITE
Server: Cisco-CP7960G/7.5
Contact: <sip:3034030@5.5.5.241:5060>
Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
Supported: replaces
Content-Length: 199
Content-Type: application/sdp
Content-Disposition: session;handling=optional
```

v=0

```

o=Cisco-SIPUA 12142 1 IN IP4 5.5.5.241
s=SIP Call
t=0 0
m=audio 29968 RTP/AVP 0 101
c=IN IP4 5.5.5.241
a=rtpmap:0 PCMU/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=recvonly

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[16] ACK sip:30340300@5.5.5.241:5060 SIP/2.0

```

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfae46b98a65
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992706
To: <sip:30340300@5.5.5.241>;tag=001a2fcb77d6001911699b8c-2f8bad06
Date: Thu, 14 Jun 2007 14:06:13 GMT
Call-ID: 65286400-67114b51-1f37-2d05050505@5.5.5.45
Max-Forwards: 70
CSeq: 102 ACK
Allow-Events: presence
Content-Length: 0

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[17] SIP/2.0 200 OK

```

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK254acf35
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026708bd54b9-42d40857
To: <sip:30340300@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992705
Date: Thu, 14 Jun 2007 14:06:13 GMT
Call-ID: 001a2f8d-f17f0013-75fe7d57-529ea3c4@5.5.5.240
CSeq: 102 INVITE
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
Allow-Events: presence
Remote-Party-ID: "SIP Basic 3034030" <sip:30340300@5.5.5.45>;party=called;screen=yes;privacy=off
Contact: <sip:30340300@5.5.5.45:5060>
Supported: replaces
Content-Type: application/sdp
Content-Length: 217

```

```

v=0
o=CiscoSystemsCCM-SIP 2000 2 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.241
t=0 0
m=audio 29968 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=recvonly
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[18] ACK sip:30340300@5.5.5.45:5060 SIP/2.0

```

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK376291c7
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026708bd54b9-42d40857
To: <sip:30340300@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992705
Call-ID: 001a2f8d-f17f0013-75fe7d57-529ea3c4@5.5.5.240
Max-Forwards: 70
Date: Thu, 14 Jun 2007 14:06:14 GMT
CSeq: 102 ACK
User-Agent: Cisco-CP7960G/7.5
Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
Content-Length: 0

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[19] REFER sip:30340300@5.5.5.45:5060 SIP/2.0

```

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK5847125c
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026708bd54b9-42d40857
To: <sip:30340300@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992705
Call-ID: 001a2f8d-f17f0013-75fe7d57-529ea3c4@5.5.5.240
Max-Forwards: 70
Date: Thu, 14 Jun 2007 14:06:19 GMT
CSeq: 103 REFER
User-Agent: Cisco-CP7960G/7.5
Contact: <sip:3034010@5.5.5.240:5060>
Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
Content-Length: 0
Refer-To: sip:3034040@5.5.5.45
Referred-By: "3034010" <sip:3034010@5.5.5.45>

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[20] SIP/2.0 202 Accepted

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK5847125c
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026708bd54b9-42d40857
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992705
 Date: Thu, 14 Jun 2007 14:06:19 GMT
 Call-ID: 001a2f8d-f17f0013-75fe7d57-529ea3c4@5.5.5.240
 CSeq: 103 REFER
 Content-Length: 0
 Contact: <sip:3034030@5.5.5.45:5060>

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[21] NOTIFY sip:3034010@5.5.5.240:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfaf5b0b71da
 From: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992705
 To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026708bd54b9-42d40857
 Call-ID: 001a2f8d-f17f0013-75fe7d57-529ea3c4@5.5.5.240
 CSeq: 101 NOTIFY
 Max-Forwards: 70
 Date: Thu, 14 Jun 2007 14:06:19 GMT
 User-Agent: Cisco-CCM6.0
 Event: refer
 Subscription-State: active;expires=60
 Contact: <sip:3034030@5.5.5.45:5060>
 Content-Type: message/sipfrag;version=2.0
 Content-Length: 20

SIP/2.0 100 Trying

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[22] INVITE sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfb01afcefcf
 Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992706
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001911699b8c-2f8bad06
 Date: Thu, 14 Jun 2007 14:06:19 GMT
 Call-ID: 65286400-67114b51-1f37-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 103 INVITE
 Max-Forwards: 70
 Contact: <sip:3034010@5.5.5.45:5060>
 Expires: 180
 Allow-Events: presence
 Content-Type: application/sdp
 Content-Length: 289

v=0
 o=CiscoSystemsCCM-SIP 2000 3 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 0.0.0.0
 t=0 0
 m=audio 20562 RTP/AVP 0 8 18 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:8 PCMA/8000
 a=ptime:20
 a=rtpmap:18 G729/8000
 a=ptime:20
 a=inactive
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[23] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfaf5b0b71da
 From: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992705
 To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026708bd54b9-42d40857
 Call-ID: 001a2f8d-f17f0013-75fe7d57-529ea3c4@5.5.5.240
 Date: Thu, 14 Jun 2007 14:06:19 GMT
 CSeq: 101 NOTIFY
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[24] BYE sip:3034030@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK096230b0
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026708bd54b9-42d40857
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992705

Call-ID: 001a2f8d-f17f0013-75fe7d57-529ea3c4@5.5.5.240
 Max-Forwards: 70
 Date: Thu, 14 Jun 2007 14:06:19 GMT
 CSeq: 104 BYE
 User-Agent: Cisco-CP7960G/7.5
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[25] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfb01afcefcf
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992706
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001911699b8c-2f8bad06
 Call-ID: 65286400-67114b51-1f37-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 14:06:19 GMT
 CSeq: 103 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 199
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 12142 2 IN IP4 5.5.5.241
 s=SIP Call
 t=0 0
 m=audio 29968 RTP/AVP 0 101
 c=IN IP4 5.5.5.241
 a=rtpmap:0 PCMU/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=inactive

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[26] ACK sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfb16bb02ee
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992706
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001911699b8c-2f8bad06
 Date: Thu, 14 Jun 2007 14:06:19 GMT
 Call-ID: 65286400-67114b51-1f37-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 103 ACK
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[27] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK096230b0
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026708bd54b9-42d40857
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992705
 Date: Thu, 14 Jun 2007 14:06:19 GMT
 Call-ID: 001a2f8d-f17f0013-75fe7d57-529ea3c4@5.5.5.240
 CSeq: 104 BYE
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[28] INVITE sip:3034040@5.5.5.242:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfb250d8b347
 Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992709
 To: <sip:3034040@5.5.5.242>
 Date: Thu, 14 Jun 2007 14:06:19 GMT
 Call-ID: 6b1e4500-67114b5b-1f38-2d050505@5.5.5.45
 Supported: timer, replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 101 INVITE
 Expires: 180
 Allow-Events: presence
 Alert-Info: <file://Bellcore-dr1/>
 Contact: <sip:3034040@5.5.5.45:5060>
 Max-Forwards: 69
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[29] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfb250d8b347

From: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992709
 To: <sip:3034040@5.5.5.242>
 Call-ID: 6b1e4500-67114b5b-1f38-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 14:06:19 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034040@5.5.5.242:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[30] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfb250d8b347
 From: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992709
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e0246783cc802-2bbf46e0
 Call-ID: 6b1e4500-67114b5b-1f38-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 14:06:19 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034040@5.5.5.242:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[31] UPDATE sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfb363052a0e
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992706
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001911699b8c-2f8bad06
 Date: Thu, 14 Jun 2007 14:06:19 GMT
 Call-ID: 65286400-67114b51-1f37-2d050505@5.5.5.45
 User-Agent: Cisco-CCM6.0
 Max-Forwards: 70
 CSeq: 104 UPDATE
 Contact: <sip:3034010@5.5.5.45:5060>
 Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=calling;screen=yes;privacy=off
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[32] NOTIFY sip:3034010@5.5.5.240:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfb42d684204
 From: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992705
 To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026708bd54b9-42d40857
 Call-ID: 001a2f8d-f17f0013-75fe7d57-529ea3c4@5.5.5.240
 CSeq: 102 NOTIFY
 Max-Forwards: 70
 Date: Thu, 14 Jun 2007 14:06:20 GMT
 User-Agent: Cisco-CCM6.0
 Event: refer
 Subscription-State: active;expires=59
 Contact: <sip:3034030@5.5.5.45:5060>
 Content-Type: message/sipfrag;version=2.0
 Content-Length: 21

SIP/2.0 180 Ringing

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[33] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfb42d684204
 From: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992705
 To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026708bd54b9-42d40857
 Call-ID: 001a2f8d-f17f0013-75fe7d57-529ea3c4@5.5.5.240
 Date: Thu, 14 Jun 2007 14:06:20 GMT
 CSeq: 102 NOTIFY
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[34] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfb363052a0e
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992706
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001911699b8c-2f8bad06
 Call-ID: 65286400-67114b51-1f37-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 14:06:20 GMT
 CSeq: 104 UPDATE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Content-Length: 249
 Content-Type: application/sdp

Content-Disposition: session;handling=optional

```
v=0
o=Cisco-SIPUA 12142 2 IN IP4 5.5.5.241
s=SIP Call
t=0 0
m=audio 29968 RTP/AVP 0 8 18 101
c=IN IP4 5.5.5.241
a=rtpmap:0 PCMU/8000
a=rtpmap:8 PCMA/8000
a=rtpmap:18 G729/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=sendrecv
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

```
[35] INVITE sip:3034030@5.5.5.241:5060 SIP/2.0
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfb51bc5f6d0
Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=calling;screen=yes;privacy=off
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992706
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001911699b8c-2f8bad06
Date: Thu, 14 Jun 2007 14:06:20 GMT
Call-ID: 65286400-67114b51-1f37-2d050505@5.5.5.45
Supported: timer,replaces
Min-SE: 1800
User-Agent: Cisco-CCM6.0
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
CSeq: 105 INVITE
Max-Forwards: 70
Contact: <sip:3034010@5.5.5.45:5060>
Expires: 180
Allow-Events: presence
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

```
[36] SIP/2.0 200 OK
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfb51bc5f6d0
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992706
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001911699b8c-2f8bad06
Call-ID: 65286400-67114b51-1f37-2d050505@5.5.5.45
Date: Thu, 14 Jun 2007 14:06:20 GMT
CSeq: 105 INVITE
Server: Cisco-CP7960G/7.5
Contact: <sip:3034030@5.5.5.241:5060>
Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
Supported: replaces
Content-Length: 249
Content-Type: application/sdp
Content-Disposition: session;handling=optional
```

```
v=0
o=Cisco-SIPUA 12142 2 IN IP4 5.5.5.241
s=SIP Call
t=0 0
m=audio 29968 RTP/AVP 0 8 18 101
c=IN IP4 5.5.5.241
a=rtpmap:0 PCMU/8000
a=rtpmap:8 PCMA/8000
a=rtpmap:18 G729/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=sendrecv
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

```
[37] ACK sip:3034030@5.5.5.241:5060 SIP/2.0
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfb673fa2f4a
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992706
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001911699b8c-2f8bad06
Date: Thu, 14 Jun 2007 14:06:20 GMT
Call-ID: 65286400-67114b51-1f37-2d050505@5.5.5.45
Max-Forwards: 70
CSeq: 105 ACK
Allow-Events: presence
Content-Type: application/sdp
Content-Length: 215
```

```
v=0
o=CiscoSystemsCCM-SIP 2000 4 IN IP4 5.5.5.45
s=SIP Call
```

```

c=IN IP4 5.5.5.45
t=0 0
m=audio 4000 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=sendonly
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[38] SIP/2.0 200 OK

```

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfb250d8b347
From: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992709
To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e0246783cc802-2bbf46e0
Call-ID: 6b1e4500-67114b5b-1f38-2d050505@5.5.5.45
Date: Thu, 14 Jun 2007 14:06:26 GMT
CSeq: 101 INVITE
Server: Cisco-CP7960G/7.5
Contact: <sip:3034040@5.5.5.242:5060>
Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
Supported: replaces
Content-Length: 248
Content-Type: application/sdp
Content-Disposition: session;handling=optional

```

```

v=0
o=Cisco-SIPUA 8197 0 IN IP4 5.5.5.242
s=SIP Call
t=0 0
m=audio 22310 RTP/AVP 0 8 18 101
c=IN IP4 5.5.5.242
a=rtpmap:0 PCMU/8000
a=rtpmap:8 PCMA/8000
a=rtpmap:18 G729/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=sendrecv

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[39] NOTIFY sip:3034010@5.5.5.240:5060 SIP/2.0

```

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfb72845ca91
From: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992705
To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026708bd54b9-42d40857
Call-ID: 001a2f8d-f17f0013-75fe7d57-529ea3c4@5.5.5.240
CSeq: 103 NOTIFY
Max-Forwards: 70
Date: Thu, 14 Jun 2007 14:06:27 GMT
User-Agent: Cisco-CCM6.0
Event: refer
Subscription-State: terminated;reason=noresource
Contact: <sip:3034030@5.5.5.45:5060>
Content-Type: message/sipfrag;version=2.0
Content-Length: 16

```

SIP/2.0 200 OK

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[40] INVITE sip:3034030@5.5.5.241:5060 SIP/2.0

```

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfb82b9c8b27
Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=calling;screen=yes;privacy=off
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992706
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001911699b8c-2f8bad06
Date: Thu, 14 Jun 2007 14:06:27 GMT
Call-ID: 65286400-67114b51-1f37-2d050505@5.5.5.45
Supported: timer,replaces
Min-SE: 1800
User-Agent: Cisco-CCM6.0
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
CSeq: 106 INVITE
Max-Forwards: 70
Contact: <sip:3034010@5.5.5.45:5060>
Expires: 180
Allow-Events: presence
Content-Type: application/sdp
Content-Length: 214

```

```

v=0
o=CiscoSystemsCCM-SIP 2000 5 IN IP4 5.5.5.45
s=SIP Call

```

```

c=IN IP4 0.0.0.0
t=0 0
m=audio 4000 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=inactive
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

```

[41] SIP/2.0 200 OK
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfb72845ca91
From: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992705
To: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f026708bd54b9-42d40857
Call-ID: 001a2f8d-f17f0013-75fe7d57-529ea3c4@5.5.5.240
Date: Thu, 14 Jun 2007 14:06:27 GMT
CSeq: 103 NOTIFY
Content-Length: 0

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

```

[42] SIP/2.0 200 OK
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfb82b9c8b27
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992706
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001911699b8c-2f8bad06
Call-ID: 65286400-67114b51-1f37-2d050505@5.5.5.45
Date: Thu, 14 Jun 2007 14:06:27 GMT
CSeq: 106 INVITE
Server: Cisco-CP7960G/7.5
Contact: <sip:3034030@5.5.5.241:5060>
Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
Supported: replaces
Content-Length: 199
Content-Type: application/sdp
Content-Disposition: session;handling=optional

```

```

v=0
o=Cisco-SIPUA 12142 4 IN IP4 5.5.5.241
s=SIP Call
t=0 0
m=audio 29968 RTP/AVP 0 101
c=IN IP4 5.5.5.241
a=rtpmap:0 PCMU/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=inactive

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

```

[43] ACK sip:3034030@5.5.5.241:5060 SIP/2.0
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfb922371fa1
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992706
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001911699b8c-2f8bad06
Date: Thu, 14 Jun 2007 14:06:27 GMT
Call-ID: 65286400-67114b51-1f37-2d050505@5.5.5.45
Max-Forwards: 70
CSeq: 106 ACK
Allow-Events: presence
Content-Length: 0

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

```

[44] INVITE sip:3034030@5.5.5.241:5060 SIP/2.0
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfba5abb253e
Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=calling;screen=yes;privacy=off
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992706
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001911699b8c-2f8bad06
Date: Thu, 14 Jun 2007 14:06:27 GMT
Call-ID: 65286400-67114b51-1f37-2d050505@5.5.5.45
Supported: timer,replaces
Min-SE: 1800
User-Agent: Cisco-CCM6.0
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
CSeq: 107 INVITE
Max-Forwards: 70
Contact: <sip:3034010@5.5.5.45:5060>
Expires: 180
Allow-Events: presence
Content-Length: 0

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

```

[45] SIP/2.0 200 OK

```

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfb250d8b347
From: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992709
To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e0246783cc802-2bbf46e0
Call-ID: 6b1e4500-67114b5b-1f38-2d050505@5.5.5.45
Date: Thu, 14 Jun 2007 14:06:26 GMT
CSeq: 101 INVITE
Server: Cisco-CP7960G/7.5
Contact: <sip:3034040@5.5.5.242:5060>
Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
Supported: replaces
Content-Length: 248
Content-Type: application/sdp
Content-Disposition: session;handling=optional
```

```
v=0
o=Cisco-SIPUA 8197 0 IN IP4 5.5.5.242
s=SIP Call
t=0 0
m=audio 22310 RTP/AVP 0 8 18 101
c=IN IP4 5.5.5.242
a=rtpmap:0 PCMU/8000
a=rtpmap:8 PCMA/8000
a=rtpmap:18 G729/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=sendrecv
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[46] SIP/2.0 200 OK

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfba5abb253e
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992706
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001911699b8c-2f8bad06
Call-ID: 65286400-67114b51-1f37-2d050505@5.5.5.45
Date: Thu, 14 Jun 2007 14:06:28 GMT
CSeq: 107 INVITE
Server: Cisco-CP7960G/7.5
Contact: <sip:3034030@5.5.5.241:5060>
Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
Supported: replaces
Content-Length: 249
Content-Type: application/sdp
Content-Disposition: session;handling=optional
```

```
v=0
o=Cisco-SIPUA 12142 4 IN IP4 5.5.5.241
s=SIP Call
t=0 0
m=audio 29968 RTP/AVP 0 8 18 101
c=IN IP4 5.5.5.241
a=rtpmap:0 PCMU/8000
a=rtpmap:8 PCMA/8000
a=rtpmap:18 G729/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=sendrecv
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[47] ACK sip:3034030@5.5.5.241:5060 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfbb7aacd7a7
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992706
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001911699b8c-2f8bad06
Date: Thu, 14 Jun 2007 14:06:27 GMT
Call-ID: 65286400-67114b51-1f37-2d050505@5.5.5.45
Max-Forwards: 70
CSeq: 107 ACK
Allow-Events: presence
Content-Type: application/sdp
Content-Length: 205
```

```
v=0
o=CiscoSystemsCCM-SIP 2000 6 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.242
t=0 0
m=audio 22310 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:101 telephone-event/8000
```

a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[48] UPDATE sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfbc3bdd622f
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992706
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001911699b8c-2f8bad06
 Date: Thu, 14 Jun 2007 14:06:27 GMT
 Call-ID: 65286400-67114b51-1f37-2d050505@5.5.5.45
 User-Agent: Cisco-CCM6.0
 Max-Forwards: 70
 CSeq: 108 UPDATE
 Contact: <sip:3034010@5.5.5.45:5060>
 Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=calling;screen=yes;privacy=off
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[49] ACK sip:3034040@5.5.5.242:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfbd747dc9cb
 From: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992709
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e0246783cc802-2bbf46e0
 Date: Thu, 14 Jun 2007 14:06:19 GMT
 Call-ID: 6b1e4500-67114b5b-1f38-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 101 ACK
 Allow-Events: presence
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.241
 t=0 0
 m=audio 29968 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[50] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfbc3bdd622f
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992706
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001911699b8c-2f8bad06
 Call-ID: 65286400-67114b51-1f37-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 14:06:28 GMT
 CSeq: 108 UPDATE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 12142 5 IN IP4 5.5.5.241
 s=SIP Call
 t=0 0
 m=audio 29968 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.241
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[51] BYE sip:3034010@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.241:5060;branch=z9hG4bK70adb63e
 From: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001911699b8c-2f8bad06
 To: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992706
 Call-ID: 65286400-67114b51-1f37-2d050505@5.5.5.45
 Max-Forwards: 70
 Date: Thu, 14 Jun 2007 14:06:36 GMT
 CSeq: 101 BYE
 User-Agent: Cisco-CP7960G/7.5
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[52] BYE sip:30340400@5.5.5.242:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfbe2d6bf70f

From: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992709

To: <sip:30340400@5.5.5.242>;tag=0018b93bb53e0246783cc802-2bbf46e0

Date: Thu, 14 Jun 2007 14:06:19 GMT

Call-ID: 6b1e4500-67114b5b-1f38-2d050505@5.5.5.45

User-Agent: Cisco-CCM6.0

Max-Forwards: 70

CSeq: 102 BYE

Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[53] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.241:5060;branch=z9hG4bK70adb63e

From: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001911699b8c-2f8bad06

To: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992706

Date: Thu, 14 Jun 2007 14:06:36 GMT

Call-ID: 65286400-67114b51-1f37-2d050505@5.5.5.45

CSeq: 101 BYE

Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[54] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKfbe2d6bf70f

From: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992709

To: <sip:30340400@5.5.5.242>;tag=0018b93bb53e0246783cc802-2bbf46e0

Call-ID: 6b1e4500-67114b5b-1f38-2d050505@5.5.5.45

Date: Thu, 14 Jun 2007 14:06:35 GMT

CSeq: 102 BYE

Server: Cisco-CP7960G/7.5

Content-Length: 0

6. Call Forwarding

6.1 Call Forward All

Title: Call Forward All

Description:

(F ---> G --CFA--> H)

F calls line 3034010 on B while Unified CM has line 3034010 on G configured to forward all calls to H.

Notice the "Diversion:" header in the INVITE to H. It uses "unconditional" to indicate Call Forward All.

Configuration:

Node = Unified CM, IP = 5.5.5.45

Phone = F, Line = 3033100, IP = 5.5.5.226, Model = Cisco Unified IP Phone 7960 (SIP)

Phone = G, Line = 3034010, IP = 5.5.5.240, Model = SIP Basic

Phone = H, Line = 3034030, IP = 5.5.5.241, Model = SIP Basic

Scenario:

3033100 calls 3034010

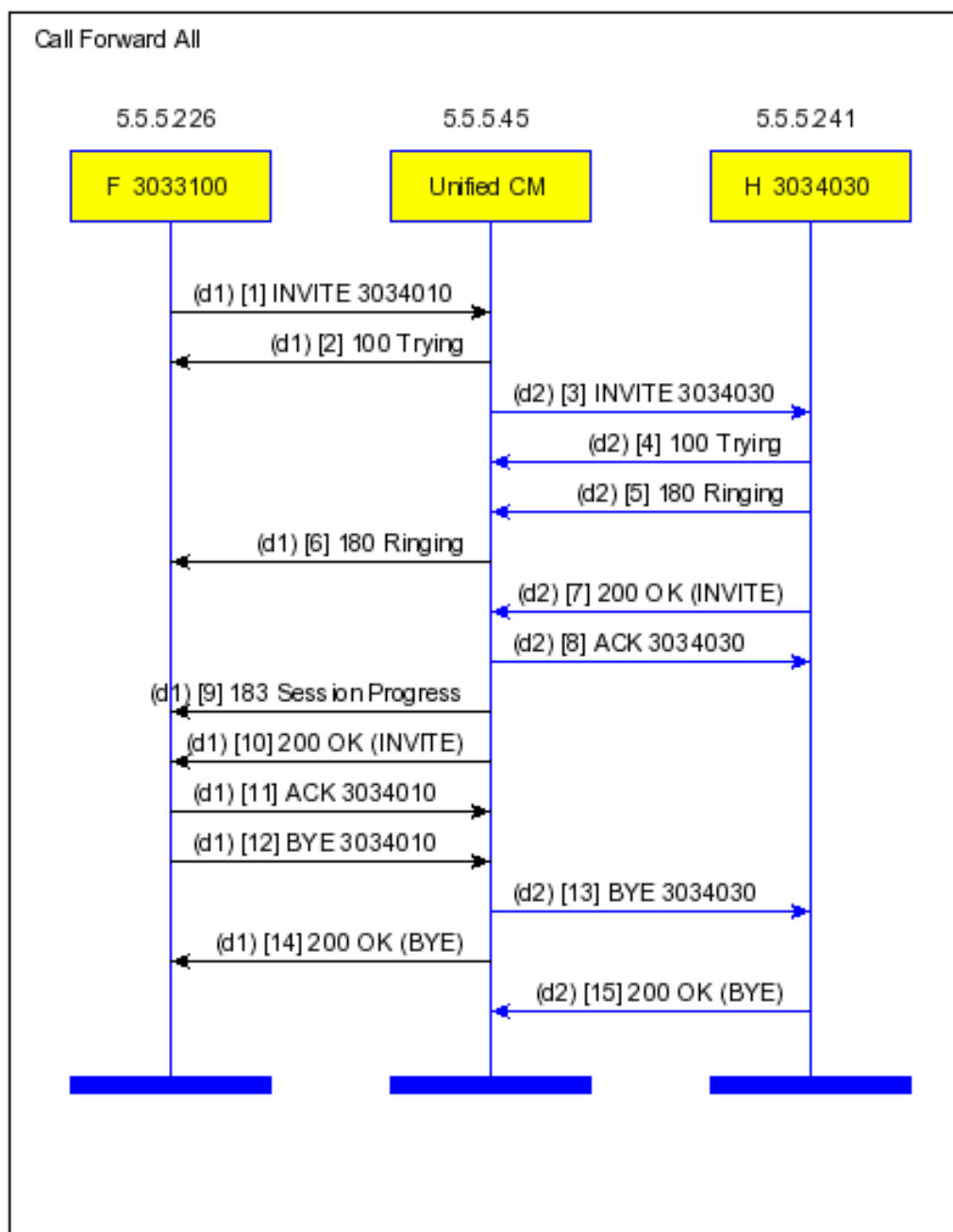
3034010 never gets ringing (Unified CM forwards)

3034030 rings

3034030 answers

3033100 and 3034030 are connected

3033100 goes onhook



[diagram] Call-ID: [prev] [next]

[1] INVITE sip:3034010@titan-pub SIP/2.0

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK31fe2ce7
 From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf000a64af0221-770110e1
 To: <sip:3034010@titan-pub>
 Call-ID: 000ab8f5-aadf000a-382e358c-372dad00@5.5.5.226
 Max-Forwards: 70
 CSeq: 101 INVITE
 User-Agent: Cisco-CP7960G/8.0
 Contact: <sip:3033100@5.5.5.226:5060;transport=udp>
 Expires: 180
 Accept: application/sdp
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "Tripti" <sip:3033100@titan-pub>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 270
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 17636 0 IN IP4 5.5.5.226
 s=SIP Call
 t=0 0
 m=audio 27836 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.226
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=fmtp:18 annexb=no
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[diagram] Call-ID: [prev] [next]

[2] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK31fe2ce7
 From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf000a64af0221-770110e1
 To: <sip:3034010@titan-pub>
 Date: Wed, 13 Jun 2007 21:53:30 GMT
 Call-ID: 000ab8f5-aadf000a-382e358c-372dad00@5.5.5.226
 CSeq: 101 INVITE
 Allow-Events: presence
 Content-Length: 0

[diagram] Call-ID: [prev] [next]

[3] INVITE sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf364eaf06b9
 Remote-Party-ID: "Tripti" <sip:3033100@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992621
 To: <sip:3034030@5.5.5.241>
 Date: Wed, 13 Jun 2007 21:53:30 GMT
 Call-ID: 847bae80-6701675a-158f-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 101 INVITE
 Expires: 180
 Allow-Events: presence
 Alert-Info: <file://Bellcore-dr1/>
 Contact: <sip:3034030@5.5.5.45:5060>
 Diversion: "SIP Alerting 3034010" <sip:3034010@5.5.5.45>;reason=unconditional;privacy=off;screen=yes
 Max-Forwards: 69
 Content-Length: 0

[diagram] Call-ID: [prev] [next]

[4] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf364eaf06b9
 From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992621
 To: <sip:3034030@5.5.5.241>
 Call-ID: 847bae80-6701675a-158f-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 21:53:29 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[diagram] Call-ID: [prev] [next]

[5] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf364eaf06b9
 From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992621
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000b56d6d9c2-57d8085d
 Call-ID: 847bae80-6701675a-158f-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 21:53:29 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[6] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK31fe2ce7
 From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf000a64af0221-770110e1
 To: <sip:3034010@titan-pub>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992618
 Date: Wed, 13 Jun 2007 21:53:30 GMT
 Call-ID: 000ab8f5-aadf000a-382e358c-372dad00@5.5.5.226
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Alerting 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034010@5.5.5.45:5060>
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[7] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf364eaf06b9
 From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992621
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000b56d6d9c2-57d8085d
 Call-ID: 847bae80-6701675a-158f-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 21:53:35 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 18723 0 IN IP4 5.5.5.241
 s=SIP Call
 t=0 0
 m=audio 29350 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.241
 a=rtptime:0 PCMU/8000
 a=rtptime:8 PCMA/8000
 a=rtptime:18 G729/8000
 a=rtptime:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[8] ACK sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf371dd2ed64
 From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992621
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000b56d6d9c2-57d8085d
 Date: Wed, 13 Jun 2007 21:53:30 GMT
 Call-ID: 847bae80-6701675a-158f-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 101 ACK
 Allow-Events: presence
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.226
 t=0 0
 m=audio 27836 RTP/AVP 0 101
 a=rtptime:0 PCMU/8000
 a=ptime:20
 a=rtptime:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[9] SIP/2.0 183 Session Progress

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK31fe2ce7
 From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf000a64af0221-770110e1
 To: <sip:3034010@titan-pub>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992618
 Date: Wed, 13 Jun 2007 21:53:30 GMT
 Call-ID: 000ab8f5-aadf000a-382e358c-372dad00@5.5.5.226
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Alerting 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034010@5.5.5.45:5060>
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.241
 t=0 0
 m=audio 29350 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[10] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK31fe2ce7
 From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf000a64af0221-770110e1
 To: <sip:3034010@titan-pub>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992618
 Date: Wed, 13 Jun 2007 21:53:30 GMT
 Call-ID: 000ab8f5-aadf000a-382e358c-372dad00@5.5.5.226
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034010@5.5.5.45:5060>
 Supported: replaces
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.241
 t=0 0
 m=audio 29350 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[11] ACK sip:3034010@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK0ffae474
 From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf000a64af0221-770110e1
 To: <sip:3034010@titan-pub>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992618
 Call-ID: 000ab8f5-aadf000a-382e358c-372dad00@5.5.5.226
 Max-Forwards: 70
 CSeq: 101 ACK
 User-Agent: Cisco-CP7960G/8.0
 Remote-Party-ID: "Tripti" <sip:3033100@titan-pub>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[12] BYE sip:3034010@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK6addf45b
 From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf000a64af0221-770110e1
 To: <sip:3034010@titan-pub>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992618
 Call-ID: 000ab8f5-aadf000a-382e358c-372dad00@5.5.5.226
 Max-Forwards: 70
 CSeq: 102 BYE
 User-Agent: Cisco-CP7960G/8.0
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[13] BYE sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf3830498ced
 From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992621

To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000b56d6d9c2-57d8085d
Date: Wed, 13 Jun 2007 21:53:30 GMT
Call-ID: 847bae80-6701675a-158f-2d050505@5.5.5.45
User-Agent: Cisco-CCM6.0
Max-Forwards: 70
CSeq: 102 BYE
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[14] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK6addf45b
From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf000a64af0221-770110e1
To: <sip:3034010@titan-pub>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992618
Date: Wed, 13 Jun 2007 21:53:45 GMT
Call-ID: 000ab8f5-aadf000a-382e358c-372dad00@5.5.5.226
CSeq: 102 BYE
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[15] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf3830498ced
From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992621
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000b56d6d9c2-57d8085d
Call-ID: 847bae80-6701675a-158f-2d050505@5.5.5.45
Date: Wed, 13 Jun 2007 21:53:44 GMT
CSeq: 102 BYE
Server: Cisco-CP7960G/7.5
Content-Length: 0

6.2 Call Forward No Answer

Title: Call Forward No Answer

Description:

(F ---> G ---CFNA---> H)

F calls line 3034010 on G while Unified CM has line 3034010 on G configured with Call Forward No Answer to C after 5 seconds. G does not answer within 5 seconds and the call is forwarded to H.

Notice the "Diversion:" header in the INVITE to H. It uses "no-answer" to indicate Call Forward No Answer.

Configuration:

Node = Unified CM, IP = 5.5.5.45

Phone = F, Line = 3033100, IP = 5.5.5.226, Model = Cisco Unified IP Phone 7960 (SIP)

Phone = G, Line = 3034010, IP = 5.5.5.240, Model = SIP Basic

Phone = H, Line = 3034030, IP = 5.5.5.241, Model = SIP Basic

Scenario:

3033100 calls 3034010

3034010 rings for about 5 seconds but is not answered

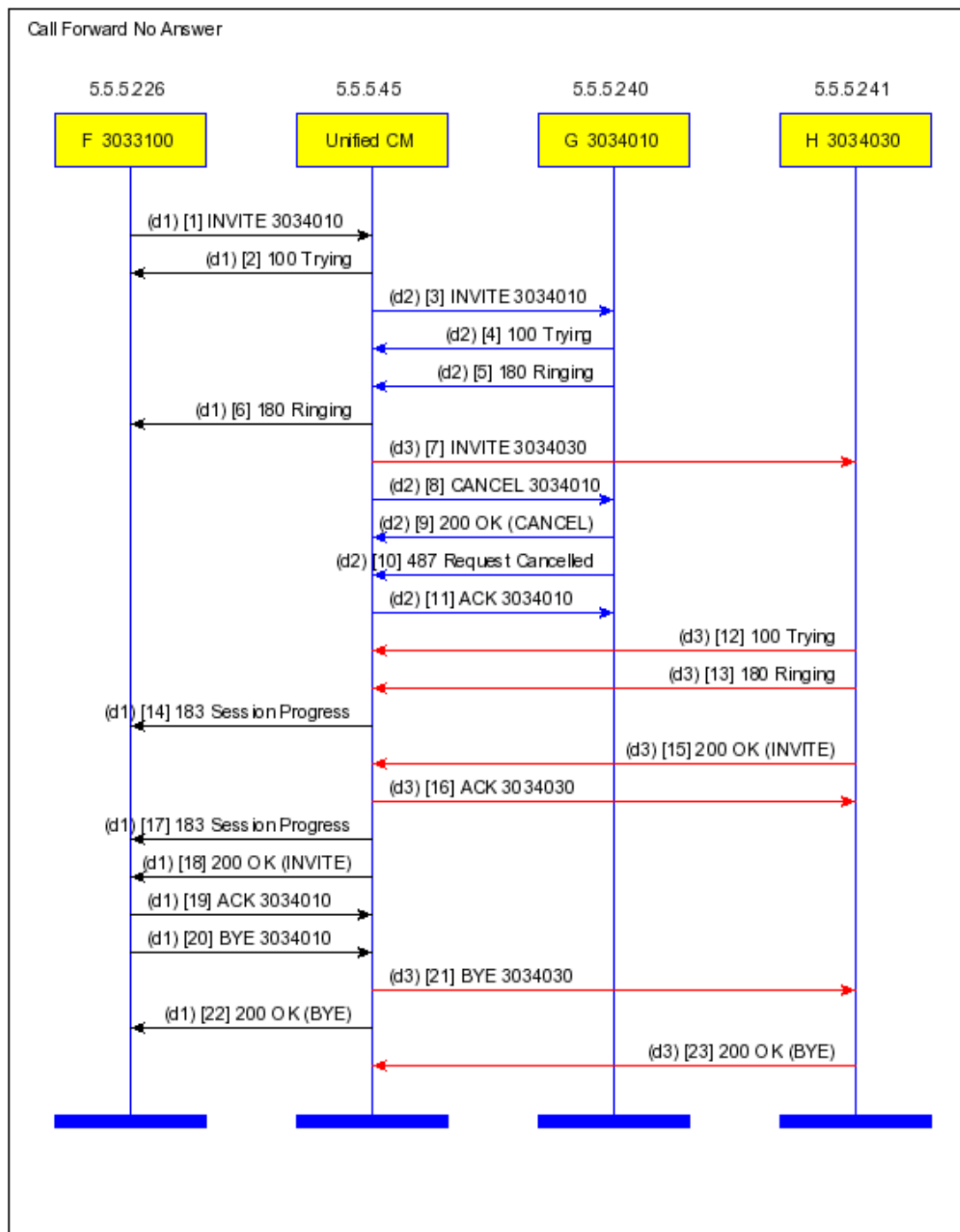
3034030 rings

The call to 3034010 is cancelled

3034030 answers

3033100 and 3034030 are connected

3033100 goes onhook



[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[1] INVITE sip:3034010@titan-pub SIP/2.0

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK074bf7f9
 From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf000c2cc53ba9-2dff3eee
 To: <sip:3034010@titan-pub>
 Call-ID: 000ab8f5-aadf000b-5cc35c54-50e41c95@5.5.5.226
 Max-Forwards: 70
 CSeq: 101 INVITE
 User-Agent: Cisco-CP7960G/8.0
 Contact: <sip:3033100@5.5.5.226:5060;transport=udp>
 Expires: 180
 Accept: application/sdp
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "Tripti" <sip:3033100@titan-pub>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 269
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 9087 0 IN IP4 5.5.5.226
 s=SIP Call
 t=0 0
 m=audio 21598 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.226
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=fmtp:18 annexb=no
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[2] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK074bf7f9
 From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf000c2cc53ba9-2dff3eee
 To: <sip:3034010@titan-pub>
 Date: Wed, 13 Jun 2007 21:55:25 GMT
 Call-ID: 000ab8f5-aadf000b-5cc35c54-50e41c95@5.5.5.226
 CSeq: 101 INVITE
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[3] INVITE sip:3034010@5.5.5.240:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf394c9e63d1
 Remote-Party-ID: "Tripti" <sip:3033100@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992624
 To: <sip:3034010@5.5.5.240>
 Date: Wed, 13 Jun 2007 21:55:25 GMT
 Call-ID: c9074a00-670167cd-1594-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 101 INVITE
 Expires: 180
 Allow-Events: presence
 Alert-Info: <file://Bellcore-dr1/>
 Contact: <sip:3034010@5.5.5.45:5060>
 Max-Forwards: 69
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[4] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf394c9e63d1
 From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992624
 To: <sip:3034010@5.5.5.240>
 Call-ID: c9074a00-670167cd-1594-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 21:55:26 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[5] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf394c9e63d1

From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992624
 To: <sip:3034010@5.5.5.240>;tag=001a2f8df17f001e046ce763-3056a768
 Call-ID: c9074a00-670167cd-1594-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 21:55:26 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[6] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK074bf7f9
 From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf000c2cc53ba9-2dff3eee
 To: <sip:3034010@titan-pub>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992623
 Date: Wed, 13 Jun 2007 21:55:25 GMT
 Call-ID: 000ab8f5-aadf000b-5cc35c54-50e41c95@5.5.5.226
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Alerting 3034010" <sip:3034010@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034010@5.5.5.45:5060>
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[7] INVITE sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf3a3c07ff0a
 Remote-Party-ID: "Tripti" <sip:3033100@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992627
 To: <sip:3034030@5.5.5.241>
 Date: Wed, 13 Jun 2007 21:55:31 GMT
 Call-ID: cc9ad100-670167d3-1595-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 101 INVITE
 Expires: 180
 Allow-Events: presence
 Alert-Info: <file://Bellcore-dr1/>
 Contact: <sip:3034030@5.5.5.45:5060>
 Diversion: "SIP Alerting 3034010" <sip:3034010@5.5.5.45>;reason=no-answer;privacy=off;screen=yes
 Max-Forwards: 69
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[8] CANCEL sip:3034010@5.5.5.240:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf394c9e63d1
 From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992624
 To: <sip:3034010@5.5.5.240>
 Date: Wed, 13 Jun 2007 21:55:25 GMT
 Call-ID: c9074a00-670167cd-1594-2d050505@5.5.5.45
 CSeq: 101 CANCEL
 Max-Forwards: 70
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[9] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf394c9e63d1
 From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992624
 To: <sip:3034010@5.5.5.240>;tag=001a2f8df17f001e046ce763-3056a768
 Call-ID: c9074a00-670167cd-1594-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 21:55:31 GMT
 CSeq: 101 CANCEL
 Server: Cisco-CP7960G/7.5
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[10] SIP/2.0 487 Request Cancelled

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf394c9e63d1
 From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992624
 To: <sip:3034010@5.5.5.240>;tag=001a2f8df17f001e046ce763-3056a768
 Call-ID: c9074a00-670167cd-1594-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 21:55:31 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=called;id-type=subscriber;privacy=off;screen=yes

Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[11] ACK sip:30340100@5.5.5.240:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf394c9e63d1
 From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992624
 To: <sip:30340100@5.5.5.240>;tag=001a2f8df17f001e046ce763-3056a768
 Date: Wed, 13 Jun 2007 21:55:25 GMT
 Call-ID: c9074a00-670167cd-1594-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 101 ACK
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[12] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf3a3c07ff0a
 From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992627
 To: <sip:3034030@5.5.5.241>
 Call-ID: cc9ad100-670167d3-1595-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 21:55:31 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[13] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf3a3c07ff0a
 From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992627
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000d48db92e4-79221216
 Call-ID: cc9ad100-670167d3-1595-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 21:55:31 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[14] SIP/2.0 183 Session Progress

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK074bf7f9
 From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf000c2cc53ba9-2dff3eee
 To: <sip:3034010@titan-pub>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992623
 Date: Wed, 13 Jun 2007 21:55:25 GMT
 Call-ID: 000ab8f5-aadf000b-5cc35c54-50e41c95@5.5.5.226
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Alerting 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034010@5.5.5.45:5060>
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[15] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf3a3c07ff0a
 From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992627
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000d48db92e4-79221216
 Call-ID: cc9ad100-670167d3-1595-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 21:55:38 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 16051 0 IN IP4 5.5.5.241
 s=SIP Call
 t=0 0
 m=audio 29354 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.241
 a=rtpmap:0 PCMU/8000

```

a=rtpmap:8 PCMA/8000
a=rtpmap:18 G729/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=sendrecv

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[16] ACK sip:30340300@5.5.5.241:5060 SIP/2.0

```

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf3bf13c1b
From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992627
To: <sip:30340300@5.5.5.241>;tag=001a2fcb77d6000d48db92e4-79221216
Date: Wed, 13 Jun 2007 21:55:31 GMT
Call-ID: cc9ad100-670167d3-1595-2d050505@5.5.5.45
Max-Forwards: 70
CSeq: 101 ACK
Allow-Events: presence
Content-Type: application/sdp
Content-Length: 205

```

```

v=0
o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.226
t=0 0
m=audio 21598 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[17] SIP/2.0 183 Session Progress

```

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK074bf7f9
From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf000c2cc53ba9-2dff3eee
To: <sip:3034010@titan-pub>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992623
Date: Wed, 13 Jun 2007 21:55:25 GMT
Call-ID: 000ab8f5-aadf000b-5cc35c54-50e41c95@5.5.5.226
CSeq: 101 INVITE
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
Allow-Events: presence
Remote-Party-ID: "SIP Alerting 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
Contact: <sip:3034010@5.5.5.45:5060>
Content-Type: application/sdp
Content-Length: 205

```

```

v=0
o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.241
t=0 0
m=audio 29354 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15

```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[18] SIP/2.0 200 OK

```

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK074bf7f9
From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf000c2cc53ba9-2dff3eee
To: <sip:3034010@titan-pub>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992623
Date: Wed, 13 Jun 2007 21:55:25 GMT
Call-ID: 000ab8f5-aadf000b-5cc35c54-50e41c95@5.5.5.226
CSeq: 101 INVITE
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
Allow-Events: presence
Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
Contact: <sip:3034010@5.5.5.45:5060>
Supported: replaces
Content-Type: application/sdp
Content-Length: 205

```

```

v=0
o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.241
t=0 0
m=audio 29354 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20

```

```
a=rtmpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[19] ACK sip:3034010@5.5.5.45:5060 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK1e63f80c
From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf000c2cc53ba9-2dff3eee
To: <sip:3034010@titan-pub>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992623
Call-ID: 000ab8f5-aadf000b-5cc35c54-50e41c95@5.5.5.226
Max-Forwards: 70
CSeq: 101 ACK
User-Agent: Cisco-CP7960G/8.0
Remote-Party-ID: "Tripti" <sip:3033100@titan-pub>;party=calling;id-type=subscriber;privacy=off;screen=yes
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[20] BYE sip:3034010@5.5.5.45:5060 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK3094cf80
From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf000c2cc53ba9-2dff3eee
To: <sip:3034010@titan-pub>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992623
Call-ID: 000ab8f5-aadf000b-5cc35c54-50e41c95@5.5.5.226
Max-Forwards: 70
CSeq: 102 BYE
User-Agent: Cisco-CP7960G/8.0
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[21] BYE sip:3034030@5.5.5.241:5060 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf3c7bb434b8
From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992627
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000d48db92e4-79221216
Date: Wed, 13 Jun 2007 21:55:31 GMT
Call-ID: cc9ad100-670167d3-1595-2d050505@5.5.5.45
User-Agent: Cisco-CCM6.0
Max-Forwards: 70
CSeq: 102 BYE
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[22] SIP/2.0 200 OK

```
Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK3094cf80
From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf000c2cc53ba9-2dff3eee
To: <sip:3034010@titan-pub>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992623
Date: Wed, 13 Jun 2007 21:55:43 GMT
Call-ID: 000ab8f5-aadf000b-5cc35c54-50e41c95@5.5.5.226
CSeq: 102 BYE
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[23] SIP/2.0 200 OK

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf3c7bb434b8
From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992627
To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000d48db92e4-79221216
Call-ID: cc9ad100-670167d3-1595-2d050505@5.5.5.45
Date: Wed, 13 Jun 2007 21:55:43 GMT
CSeq: 102 BYE
Server: Cisco-CP7960G/7.5
Content-Length: 0
```

6.3 Call Forward Busy

Title: Call Forward Busy

Description:

(F ---> H,
G ---> H --CFB--> L)

Line 3033100 on phone F is used to call line 3034030 on Phone H and establish a connection (making 3034030 "busy").

Phone G calls line 3034030 on H while Unified CM has line 3034030 on H configured to forward to L when one call is already active on that line (i.e. busy trigger = 1).

Notice the "Diversion:" header in the INVITE to L. It uses "user-busy" to indicate Call Forward Busy.

Configuration:

Node = Unified CM, IP = 5.5.5.45

Phone = F, Line = 3033100, IP = 5.5.5.226, Model = SIP 7960

Phone = G, Line = 3034010, IP = 5.5.5.240, Model = SIP Basic

Phone = H, Line = 3034030, IP = 5.5.5.241, Model = SIP Basic

Phone = L, Line = 3034040, IP = 5.5.5.242, Model = SIP Basic

Scenario:

3033100 calls 3034030

3034030 answers

3034030 and 3033100 are connected (3034030 is now "busy")

3034010 calls 3034030

3034030 never gets ringing for this call (Unified CM forwards due to busy)

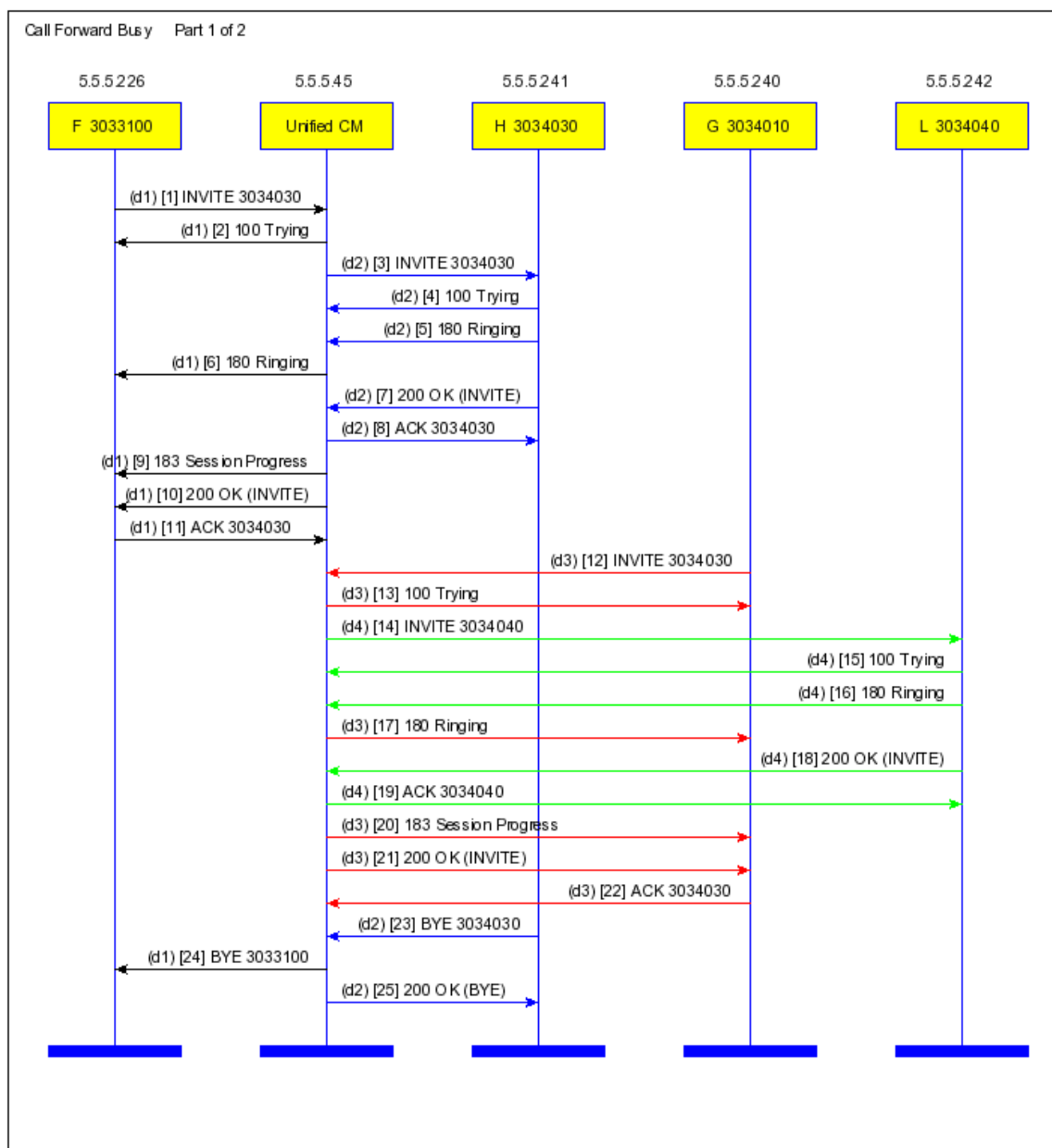
3034040 rings

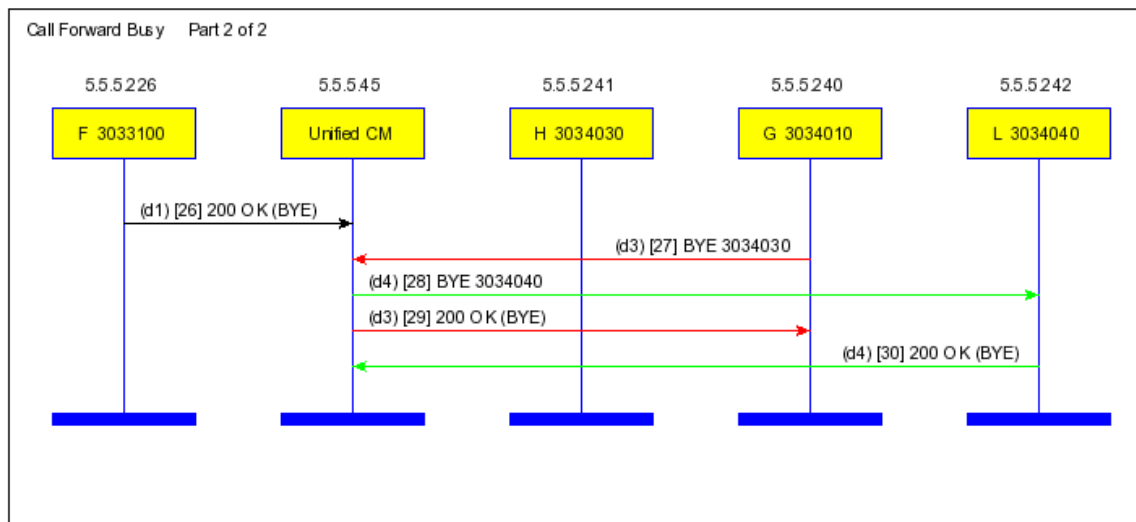
3034040 answers

3034010 and 3034040 are connected

3034030 goes onhook to drop 3033100

3034010 goes onhook to drop 3034040





[diagram] Call-ID: [prev] [next]

[1] INVITE sip:3034030@titan-pub SIP/2.0

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK4ee1069d
 From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf023e014f645e-010b2363
 To: <sip:3034030@titan-pub>
 Call-ID: 000ab8f5-aadf000f-699da9f7-56167db1@5.5.5.226
 Max-Forwards: 70
 CSeq: 101 INVITE
 User-Agent: Cisco-CP7960G/8.0
 Contact: <sip:3033100@5.5.5.226:5060;transport=udp>
 Expires: 180
 Accept: application/sdp
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "Tripti" <sip:3033100@titan-pub>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 270
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 25919 0 IN IP4 5.5.5.226
 s=SIP Call
 t=0 0
 m=audio 21688 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.226
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=fmtp:18 annexb=no
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[diagram] Call-ID: [prev] [next]

[2] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK4ee1069d
 From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf023e014f645e-010b2363
 To: <sip:3034030@titan-pub>
 Date: Thu, 14 Jun 2007 13:46:17 GMT
 Call-ID: 000ab8f5-aadf000f-699da9f7-56167db1@5.5.5.226
 CSeq: 101 INVITE
 Allow-Events: presence
 Content-Length: 0

[diagram] Call-ID: [prev] [next]

[3] INVITE sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf6420d1e95a
 Remote-Party-ID: "Tripti" <sip:3033100@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992674
 To: <sip:3034030@5.5.5.241>
 Date: Thu, 14 Jun 2007 13:46:17 GMT
 Call-ID: 9eaba000-671146a9-1ef9-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 101 INVITE
 Expires: 180
 Allow-Events: presence
 Alert-Info: <file://Bellcore-dr1/>
 Contact: <sip:3034030@5.5.5.45:5060>
 Max-Forwards: 69
 Content-Length: 0

[diagram] Call-ID: [prev] [next]

[4] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf6420d1e95a
 From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992674
 To: <sip:3034030@5.5.5.241>
 Call-ID: 9eaba000-671146a9-1ef9-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 13:46:16 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[diagram] Call-ID: [prev] [next]

[5] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf6420d1e95a

From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992674
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000724f06a16-1cf34325
 Call-ID: 9eaba000-671146a9-1ef9-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 13:46:16 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[6] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK4ee1069d
 From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf023e014f645e-010b2363
 To: <sip:3034030@titan-pub>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992673
 Date: Thu, 14 Jun 2007 13:46:17 GMT
 Call-ID: 000ab8f5-aadf000f-699da9f7-56167db1@5.5.5.226
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Alerting 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[7] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf6420d1e95a
 From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992674
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000724f06a16-1cf34325
 Call-ID: 9eaba000-671146a9-1ef9-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 13:46:18 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 25259 0 IN IP4 5.5.5.241
 s=SIP Call
 t=0 0
 m=audio 29948 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.241
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[8] ACK sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf6531a47390
 From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992674
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000724f06a16-1cf34325
 Date: Thu, 14 Jun 2007 13:46:17 GMT
 Call-ID: 9eaba000-671146a9-1ef9-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 101 ACK
 Allow-Events: presence
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.226
 t=0 0
 m=audio 21688 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[9] SIP/2.0 183 Session Progress

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK4ee1069d
 From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf023e014f645e-010b2363
 To: <sip:3034030@titan-pub>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992673
 Date: Thu, 14 Jun 2007 13:46:17 GMT
 Call-ID: 000ab8f5-aadf000f-699da9f7-56167db1@5.5.5.226
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Alerting 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.241
 t=0 0
 m=audio 29948 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[10] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK4ee1069d
 From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf023e014f645e-010b2363
 To: <sip:3034030@titan-pub>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992673
 Date: Thu, 14 Jun 2007 13:46:17 GMT
 Call-ID: 000ab8f5-aadf000f-699da9f7-56167db1@5.5.5.226
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Supported: replaces
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.241
 t=0 0
 m=audio 29948 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[11] ACK sip:3034030@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK003f0c7d
 From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf023e014f645e-010b2363
 To: <sip:3034030@titan-pub>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992673
 Call-ID: 000ab8f5-aadf000f-699da9f7-56167db1@5.5.5.226
 Max-Forwards: 70
 CSeq: 101 ACK
 User-Agent: Cisco-CP7960G/8.0
 Remote-Party-ID: "Tripti" <sip:3033100@titan-pub>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[12] INVITE sip:3034010@5.5.5.240 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK7865bb1a
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f025468f80eda-1cac48dc
 To: <sip:3034030@5.5.5.45>
 Call-ID: 001a2f8d-f17f000c-09cdae7b-69787533@5.5.5.240
 Max-Forwards: 70
 Date: Thu, 14 Jun 2007 13:46:30 GMT
 CSeq: 101 INVITE
 User-Agent: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Expires: 180
 Accept: application/sdp
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes

Supported: replaces
 Content-Length: 248
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 6107 0 IN IP4 5.5.5.240
 s=SIP Call
 t=0 0
 m=audio 20534 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.240
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[13] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK7865bb1a
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f025468f80eda-1cac48dc
 To: <sip:3034030@5.5.5.45>
 Date: Thu, 14 Jun 2007 13:46:30 GMT
 Call-ID: 001a2f8d-f17f000c-09cdae7b-69787533@5.5.5.240
 CSeq: 101 INVITE
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[14] INVITE sip:3034040@5.5.5.242:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf665e92fc4
 Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992680
 To: <sip:3034040@5.5.5.242>
 Date: Thu, 14 Jun 2007 13:46:30 GMT
 Call-ID: a66b4480-671146b6-1efb-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 101 INVITE
 Expires: 180
 Allow-Events: presence
 Alert-Info: <file://Bellcore-dr1/>
 Contact: <sip:3034040@5.5.5.45:5060>
 Diversion: "SIP Alerting 3034030" <sip:3034030@5.5.5.45>;reason=user-busy;privacy=off;screen=yes
 Max-Forwards: 69
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[15] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf665e92fc4
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992680
 To: <sip:3034040@5.5.5.242>
 Call-ID: a66b4480-671146b6-1efb-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 13:46:29 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034040@5.5.5.242:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[16] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf665e92fc4
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992680
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e0236034ae701-499bbc32
 Call-ID: a66b4480-671146b6-1efb-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 13:46:29 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034040@5.5.5.242:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[17] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK7865bb1a
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f025468f80eda-1cac48dc
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992676
 Date: Thu, 14 Jun 2007 13:46:30 GMT
 Call-ID: 001a2f8d-f17f000c-09cdae7b-69787533@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[18] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf665e92fc4
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992680
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e0236034ae701-499bbc32
 Call-ID: a66b4480-671146b6-1efb-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 13:46:35 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034040@5.5.5.242:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 21239 0 IN IP4 5.5.5.242
 s=SIP Call
 t=0 0
 m=audio 22290 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.242
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[19] ACK sip:3034040@5.5.5.242:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf677e76418
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992680
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e0236034ae701-499bbc32
 Date: Thu, 14 Jun 2007 13:46:30 GMT
 Call-ID: a66b4480-671146b6-1efb-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 101 ACK
 Allow-Events: presence
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.240
 t=0 0
 m=audio 20534 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[20] SIP/2.0 183 Session Progress

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK7865bb1a
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f025468f80eda-1cac48dc
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992676
 Date: Thu, 14 Jun 2007 13:46:30 GMT
 Call-ID: 001a2f8d-f17f000c-09cdae7b-69787533@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Content-Type: application/sdp
 Content-Length: 205

```
v=0
o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.242
t=0 0
m=audio 22290 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[21] SIP/2.0 200 OK

```
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK7865bb1a
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f025468f80eda-1cac48dc
To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992676
Date: Thu, 14 Jun 2007 13:46:30 GMT
Call-ID: 001a2f8d-f17f000c-09cdae7b-69787533@5.5.5.240
CSeq: 101 INVITE
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
Allow-Events: presence
Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=called;screen=yes;privacy=off
Contact: <sip:3034030@5.5.5.45:5060>
Supported: replaces
Content-Type: application/sdp
Content-Length: 205
```

```
v=0
o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.242
t=0 0
m=audio 22290 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[22] ACK sip:3034030@5.5.5.45:5060 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK476de7e7
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f025468f80eda-1cac48dc
To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992676
Call-ID: 001a2f8d-f17f000c-09cdae7b-69787533@5.5.5.240
Max-Forwards: 70
Date: Thu, 14 Jun 2007 13:46:36 GMT
CSeq: 101 ACK
User-Agent: Cisco-CP7960G/7.5
Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[23] BYE sip:3034030@5.5.5.45:5060 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.241:5060;branch=z9hG4bK5fad3ac0
From: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000724f06a16-1cf34325
To: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992674
Call-ID: 9eaba000-671146a9-1ef9-2d050505@5.5.5.45
Max-Forwards: 70
Date: Thu, 14 Jun 2007 13:46:50 GMT
CSeq: 101 BYE
User-Agent: Cisco-CP7960G/7.5
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[24] BYE sip:3033100@5.5.5.226:5060;transport=udp SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf682736efad
From: <sip:3034030@titan-pub>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992673
To: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf023e014f645e-010b2363
Date: Thu, 14 Jun 2007 13:46:20 GMT
Call-ID: 000ab8f5-aadf000f-699da9f7-56167db1@5.5.5.226
User-Agent: Cisco-CCM6.0
Max-Forwards: 70
CSeq: 101 BYE
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[25] SIP/2.0 200 OK

```
Via: SIP/2.0/UDP 5.5.5.241:5060;branch=z9hG4bK5fad3ac0
From: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6000724f06a16-1cf34325
```

To: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992674
 Date: Thu, 14 Jun 2007 13:46:51 GMT
 Call-ID: 9eaba000-671146a9-1ef9-2d050505@5.5.5.45
 CSeq: 101 BYE
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[26] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf682736efad
 From: <sip:3034030@titan-pub>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992673
 To: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf023e014f645e-010b2363
 Call-ID: 000ab8f5-aadf000f-699da9f7-56167db1@5.5.5.226
 CSeq: 101 BYE
 Server: Cisco-CP7960G/8.0
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[27] BYE sip:3034030@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK6c6f9134
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f025468f80eda-1cac48dc
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992676
 Call-ID: 001a2f8d-f17f000c-09cdae7b-69787533@5.5.5.240
 Max-Forwards: 70
 Date: Thu, 14 Jun 2007 13:46:53 GMT
 CSeq: 102 BYE
 User-Agent: Cisco-CP7960G/7.5
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[28] BYE sip:3034040@5.5.5.242:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf692fe61856
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992680
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e0236034ae701-499bbc32
 Date: Thu, 14 Jun 2007 13:46:30 GMT
 Call-ID: a66b4480-671146b6-1efb-2d050505@5.5.5.45
 User-Agent: Cisco-CCM6.0
 Max-Forwards: 70
 CSeq: 102 BYE
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[29] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK6c6f9134
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f025468f80eda-1cac48dc
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992676
 Date: Thu, 14 Jun 2007 13:46:53 GMT
 Call-ID: 001a2f8d-f17f000c-09cdae7b-69787533@5.5.5.240
 CSeq: 102 BYE
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[30] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf692fe61856
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992680
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e0236034ae701-499bbc32
 Call-ID: a66b4480-671146b6-1efb-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 13:46:52 GMT
 CSeq: 102 BYE
 Server: Cisco-CP7960G/7.5
 Content-Length: 0

6.4 Call Forward Two Hops

Title: Call Forward Two Hops

Description:

F ----> G ---CFA---> H ---CFNA---> L

To demonstrate multiple diversion headers, set up a call forwarding call with two intermediate phones.

1. F calls line 3034010 on G which Unified CM has configured for Call Forward All to 3034030 on phone H.
2. Line 3034030 on phone H will ring but has Call Forward No Answer configured to forward to line 3034040 on phone L after 5 seconds.
3. Phone H does not answer within 5 seconds and the call is forwarded to L.

Notice the "Diversion:" header in the INVITE to H. This should be identical to the Call Forward All scenario.

Notice the two "Diversion:" headers in the INVITE to L. The first indicates the "no-answer" forwarding from H and the second indicates the "unconditional" forwarding from G.

Configuration:

Node = Unified CM, IP = 5.5.5.45

Phone = F, Line = 3033100, IP = 5.5.5.226, Model = Cisco Unified IP Phone 7960 (SIP)

Phone = G, Line = 3034010, IP = 5.5.5.240, Model = SIP Basic

Phone = H, Line = 3034030, IP = 5.5.5.241, Model = SIP Basic

Phone = L, Line = 3034040, IP = 5.5.5.242, Model = SIP Basic

Scenario:

3033100 calls 3034010

3034010 does not ring for Call Forward All

3034030 rings for about 5 seconds but is not answered

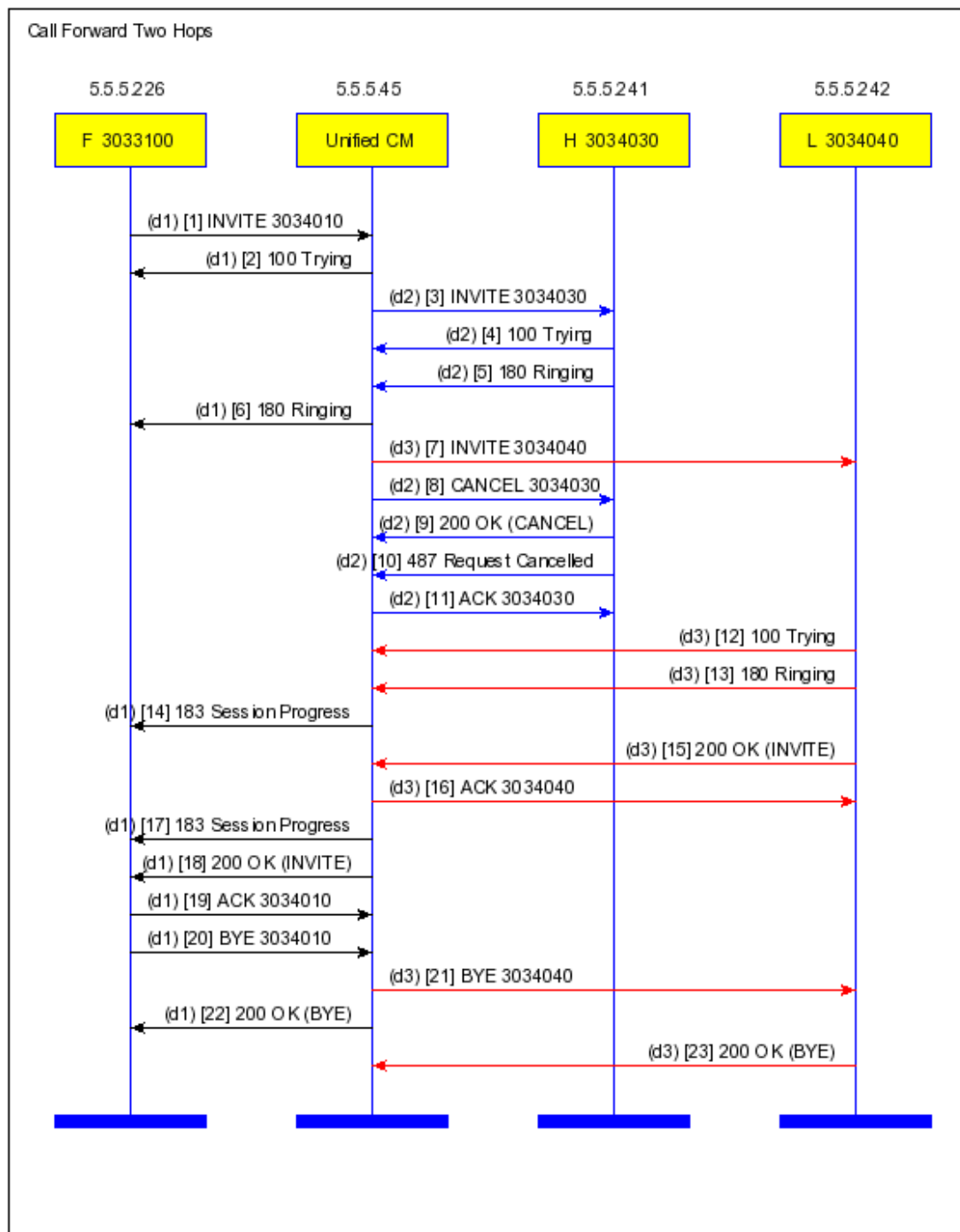
3034040 rings

The call to 3034030 is cancelled

3034040 answers

3033100 and 3034040 are connected

3033100 goes onhook



[diagram] Call-ID: [prev] [next]

[1] INVITE sip:3034010@titan-pub SIP/2.0

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK66056bfa
 From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf006f5fe30a0d-75441dc7
 To: <sip:3034010@titan-pub>
 Call-ID: 000ab8f5-aadf001b-23a1a052-721d2a79@5.5.5.226
 Max-Forwards: 70
 CSeq: 101 INVITE
 User-Agent: Cisco-CP7960G/8.0
 Contact: <sip:3033100@5.5.5.226:5060;transport=udp>
 Expires: 180
 Accept: application/sdp
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "Tripti" <sip:3033100@titan-pub>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 269
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 4620 0 IN IP4 5.5.5.226
 s=SIP Call
 t=0 0
 m=audio 24886 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.226
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=fmtp:18 annexb=no
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[diagram] Call-ID: [prev] [next]

[2] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK66056bfa
 From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf006f5fe30a0d-75441dc7
 To: <sip:3034010@titan-pub>
 Date: Thu, 14 Jun 2007 17:56:40 GMT
 Call-ID: 000ab8f5-aadf001b-23a1a052-721d2a79@5.5.5.226
 CSeq: 101 INVITE
 Allow-Events: presence
 Content-Length: 0

[diagram] Call-ID: [prev] [next]

[3] INVITE sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bK10071ce710bd
 Remote-Party-ID: "Tripti" <sip:3033100@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992724
 To: <sip:3034030@5.5.5.241>
 Date: Thu, 14 Jun 2007 17:56:40 GMT
 Call-ID: 99138180-67118158-20ef-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 101 INVITE
 Expires: 180
 Allow-Events: presence
 Alert-Info: <file://Bellcore-dr1/>
 Contact: <sip:3034030@5.5.5.45:5060>
 Diversion: "SIP Alerting 3034010" <sip:3034010@5.5.5.45>;reason=unconditional;privacy=off;screen=yes
 Max-Forwards: 69
 Content-Length: 0

[diagram] Call-ID: [prev] [next]

[4] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bK10071ce710bd
 From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992724
 To: <sip:3034030@5.5.5.241>
 Call-ID: 99138180-67118158-20ef-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 17:56:40 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[diagram] Call-ID: [prev] [next]

[5] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bK10071ce710bd
 From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992724
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001c41a94466-3732fc90
 Call-ID: 99138180-67118158-20ef-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 17:56:40 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[6] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK66056bfa
 From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf006f5fe30a0d-75441dc7
 To: <sip:3034010@titan-pub>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992721
 Date: Thu, 14 Jun 2007 17:56:40 GMT
 Call-ID: 000ab8f5-aadf001b-23a1a052-721d2a79@5.5.5.226
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Alerting 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034010@5.5.5.45:5060>
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[7] INVITE sip:3034040@5.5.5.242:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bK1008484236bb
 Remote-Party-ID: "Tripti" <sip:3033100@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992727
 To: <sip:3034040@5.5.5.242>
 Date: Thu, 14 Jun 2007 17:56:53 GMT
 Call-ID: a0d32600-67118165-20f0-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 101 INVITE
 Expires: 180
 Allow-Events: presence
 Alert-Info: <file://Bellcore-dr1/>
 Contact: <sip:3034040@5.5.5.45:5060>
 Diversion: "SIP Alerting 3034030" <sip:3034030@5.5.5.45>;reason=no-answer;privacy=off;screen=yes
 Diversion: "SIP Alerting 3034010" <sip:3034010@5.5.5.45>;reason=unconditional;privacy=off;screen=yes
 Max-Forwards: 69
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[8] CANCEL sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bK10071ce710bd
 From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992724
 To: <sip:3034030@5.5.5.241>
 Date: Thu, 14 Jun 2007 17:56:40 GMT
 Call-ID: 99138180-67118158-20ef-2d050505@5.5.5.45
 CSeq: 101 CANCEL
 Max-Forwards: 70
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[9] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bK10071ce710bd
 From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992724
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001c41a94466-3732fc90
 Call-ID: 99138180-67118158-20ef-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 17:56:52 GMT
 CSeq: 101 CANCEL
 Server: Cisco-CP7960G/7.5
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[10] SIP/2.0 487 Request Cancelled

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bK10071ce710bd
 From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992724
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001c41a94466-3732fc90
 Call-ID: 99138180-67118158-20ef-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 17:56:52 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>

Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[11] ACK sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bK10071ce710bd
 From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992724
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d6001c41a94466-3732fc90
 Date: Thu, 14 Jun 2007 17:56:40 GMT
 Call-ID: 99138180-67118158-20ef-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 101 ACK
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[12] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bK1008484236bb
 From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992727
 To: <sip:3034040@5.5.5.242>
 Call-ID: a0d32600-67118165-20f0-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 17:56:54 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034040@5.5.5.242:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[13] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bK1008484236bb
 From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992727
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e0016386ddd62-39e8d885
 Call-ID: a0d32600-67118165-20f0-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 17:56:54 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034040@5.5.5.242:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[14] SIP/2.0 183 Session Progress

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK66056bfa
 From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf006f5fe30a0d-75441dc7
 To: <sip:3034010@titan-pub>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992721
 Date: Thu, 14 Jun 2007 17:56:40 GMT
 Call-ID: 000ab8f5-aadf001b-23a1a052-721d2a79@5.5.5.226
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034010@5.5.5.45:5060>
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[15] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bK1008484236bb
 From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992727
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e0016386ddd62-39e8d885
 Call-ID: a0d32600-67118165-20f0-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 17:56:56 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034040@5.5.5.242:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 21286 0 IN IP4 5.5.5.242
 s=SIP Call
 t=0 0
 m=audio 26378 RTP/AVP 0 8 18 101

```
c=IN IP4 5.5.5.242
a=rtpmap:0 PCMU/8000
a=rtpmap:8 PCMA/8000
a=rtpmap:18 G729/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=sendrecv
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[16] ACK sip:3034040@5.5.5.242:5060 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bK10093aa9ec9e
From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992727
To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e0016386ddd62-39e8d885
Date: Thu, 14 Jun 2007 17:56:53 GMT
Call-ID: a0d32600-67118165-20f0-2d050505@5.5.5.45
Max-Forwards: 70
CSeq: 101 ACK
Allow-Events: presence
Content-Type: application/sdp
Content-Length: 205
```

```
v=0
o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.226
t=0 0
m=audio 24886 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[17] SIP/2.0 183 Session Progress

```
Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK66056bfa
From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf006f5fe30a0d-75441dc7
To: <sip:3034010@titan-pub>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992721
Date: Thu, 14 Jun 2007 17:56:40 GMT
Call-ID: 000ab8f5-aadf001b-23a1a052-721d2a79@5.5.5.226
CSeq: 101 INVITE
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
Allow-Events: presence
Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=called;screen=yes;privacy=off
Contact: <sip:3034010@5.5.5.45:5060>
Content-Type: application/sdp
Content-Length: 205
```

```
v=0
o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.242
t=0 0
m=audio 26378 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[18] SIP/2.0 200 OK

```
Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK66056bfa
From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf006f5fe30a0d-75441dc7
To: <sip:3034010@titan-pub>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992721
Date: Thu, 14 Jun 2007 17:56:40 GMT
Call-ID: 000ab8f5-aadf001b-23a1a052-721d2a79@5.5.5.226
CSeq: 101 INVITE
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
Allow-Events: presence
Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=called;screen=yes;privacy=off
Contact: <sip:3034010@5.5.5.45:5060>
Supported: replaces
Content-Type: application/sdp
Content-Length: 205
```

```
v=0
o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.242
t=0 0
m=audio 26378 RTP/AVP 0 101
```

```
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)
[19] ACK sip:3034010@5.5.5.45:5060 SIP/2.0
 Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK7f184635
 From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf006f5fe30a0d-75441dc7
 To: <sip:3034010@titan-pub>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992721
 Call-ID: 000ab8f5-aadf001b-23a1a052-721d2a79@5.5.5.226
 Max-Forwards: 70
 CSeq: 101 ACK
 User-Agent: Cisco-CP7960G/8.0
 Remote-Party-ID: "Tripti" <sip:3033100@titan-pub>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)
[20] BYE sip:3034010@5.5.5.45:5060 SIP/2.0
 Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK34090234
 From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf006f5fe30a0d-75441dc7
 To: <sip:3034010@titan-pub>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992721
 Call-ID: 000ab8f5-aadf001b-23a1a052-721d2a79@5.5.5.226
 Max-Forwards: 70
 CSeq: 102 BYE
 User-Agent: Cisco-CP7960G/8.0
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)
[21] BYE sip:3034040@5.5.5.242:5060 SIP/2.0
 Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bK100a705abfc9
 From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992727
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e0016386ddd62-39e8d885
 Date: Thu, 14 Jun 2007 17:56:53 GMT
 Call-ID: a0d32600-67118165-20f0-2d050505@5.5.5.45
 User-Agent: Cisco-CCM6.0
 Max-Forwards: 70
 CSeq: 102 BYE
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)
[22] SIP/2.0 200 OK
 Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK34090234
 From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf006f5fe30a0d-75441dc7
 To: <sip:3034010@titan-pub>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992721
 Date: Thu, 14 Jun 2007 17:57:11 GMT
 Call-ID: 000ab8f5-aadf001b-23a1a052-721d2a79@5.5.5.226
 CSeq: 102 BYE
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)
[23] SIP/2.0 200 OK
 Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bK100a705abfc9
 From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992727
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e0016386ddd62-39e8d885
 Call-ID: a0d32600-67118165-20f0-2d050505@5.5.5.45
 Date: Thu, 14 Jun 2007 17:57:11 GMT
 CSeq: 102 BYE
 Server: Cisco-CP7960G/7.5
 Content-Length: 0

6.5 302 Redirect

Title: 302 Redirect

Description:

If a SIP Cisco Unified IP Phone 7940/7960 (non-TNP) phone is configured for call forward all via the phone softkeys, there is no synchronization with the Unified CM. The phone handles the forwarding locally using a 302 redirect.

For this example, assume that line 3034030 on phone H has call forward all configured such that a 302 redirect to 3034040 will be sent when it receives an INVITE.

Line 3034010 on phone A calls line 3034030 on B. The call will be forwarded, via 302, to 3034040 on C.

Configuration:

Node = Unified CM, IP = 5.5.5.45

Phone = G, Line = 3034010, IP = 5.5.5.240, Model = SIP Basic

Phone = H, Line = 3034030, IP = 5.5.5.241, Model = SIP Basic

Phone = L, Line = 3034040, IP = 5.5.5.242, Model = SIP Basic

Scenario:

3034010 calls 3034030

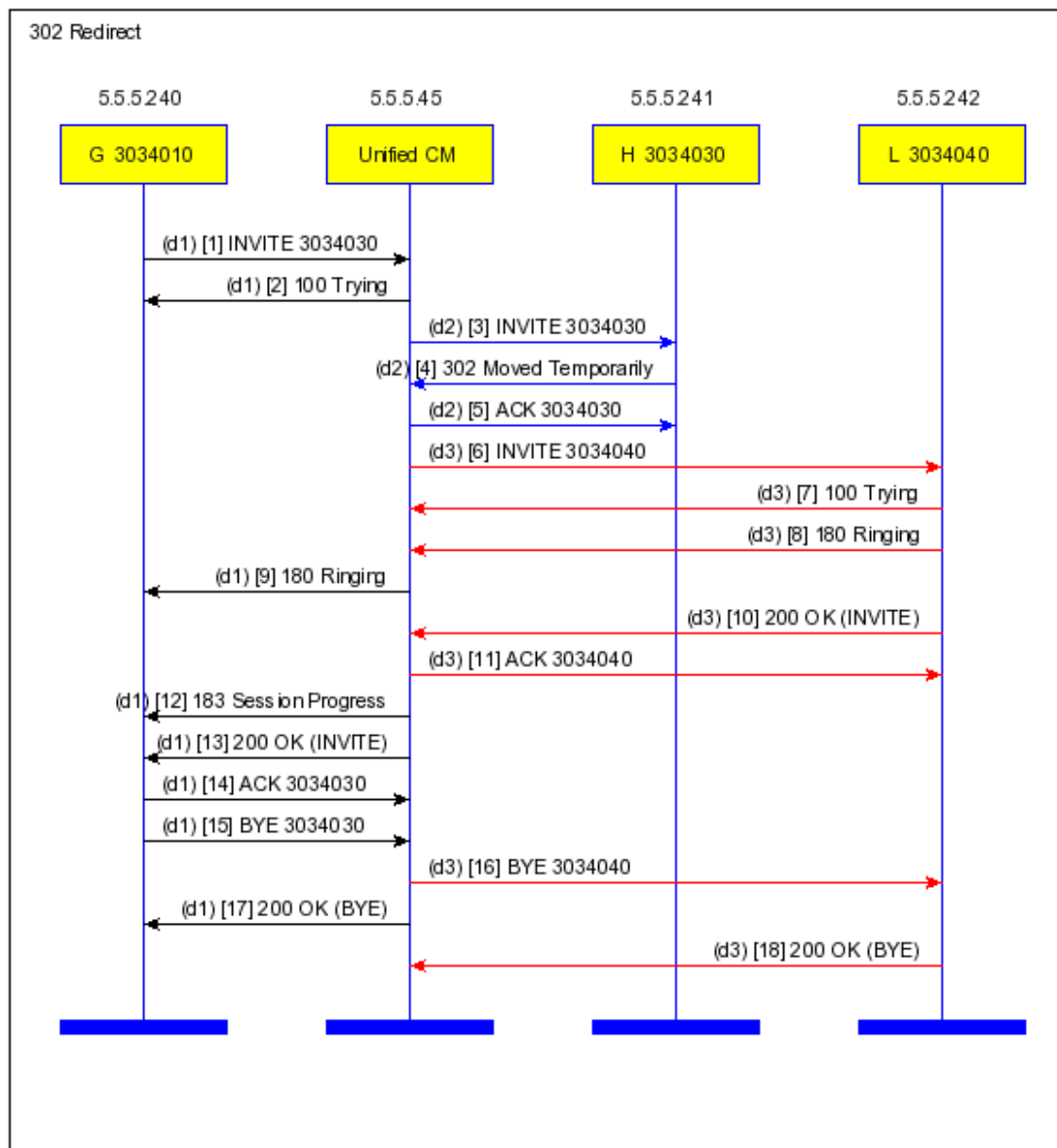
3034030 responds with "302 Moved Temporarily"

3034040 rings

3034040 answers

3034010 and 3034040 are connected

3034010 goes onhook



[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[1] INVITE sip:30340300@5.5.5.45 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK7da10b88
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f00240e97b9eb-234849c5
 To: <sip:30340300@5.5.5.45>
 Call-ID: 001a2f8d-f17f0006-5a8f08bd-22d3ec07@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 22:02:40 GMT
 CSeq: 101 INVITE
 User-Agent: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Expires: 180
 Accept: application/sdp
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 13254 0 IN IP4 5.5.5.240
 s=SIP Call
 t=0 0
 m=audio 20510 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.240
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[2] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK7da10b88
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f00240e97b9eb-234849c5
 To: <sip:30340300@5.5.5.45>
 Date: Wed, 13 Jun 2007 22:02:40 GMT
 Call-ID: 001a2f8d-f17f0006-5a8f08bd-22d3ec07@5.5.5.240
 CSeq: 101 INVITE
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[3] INVITE sip:30340300@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf407da4259c
 Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992630
 To: <sip:30340300@5.5.5.241>
 Date: Wed, 13 Jun 2007 22:02:40 GMT
 Call-ID: cc4f0580-67016980-15ac-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 101 INVITE
 Expires: 180
 Allow-Events: presence
 Alert-Info: <file://Bellcore-dr1/>
 Contact: <sip:30340300@5.5.5.45:5060>
 Max-Forwards: 69
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[4] SIP/2.0 302 Moved Temporarily

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf407da4259c
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992630
 To: <sip:30340300@5.5.5.241>;tag=001a2fcb77d600152e3858cf-2cd5f5fe
 Call-ID: cc4f0580-67016980-15ac-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 22:02:40 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034040@5.5.5.45:5060>
 Diversion: <sip:3034040@5.5.5.45:5060>;reason=unconditional
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[5] ACK sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf407da4259c
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992630
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d600152e3858cf-2cd5f5fe
 Date: Wed, 13 Jun 2007 22:02:40 GMT
 Call-ID: cc4f0580-67016980-15ac-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 101 ACK
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[6] INVITE sip:3034040@5.5.5.242:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf412b59d248
 Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992633
 To: <sip:3034040@5.5.5.242>
 Date: Wed, 13 Jun 2007 22:02:40 GMT
 Call-ID: cc4f0580-67016980-15ad-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 101 INVITE
 Expires: 180
 Allow-Events: presence
 Alert-Info: <file://Bellcore-dr1/>
 Contact: <sip:3034040@5.5.5.45:5060>
 Diversion: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;reason=unconditional;privacy=off;screen=yes
 Diversion: "SIP Alerting 3034030" <sip:3034030@5.5.5.45>;reason=unconditional;privacy=off;screen=yes
 Max-Forwards: 69
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[7] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf412b59d248
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992633
 To: <sip:3034040@5.5.5.242>
 Call-ID: cc4f0580-67016980-15ad-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 22:02:40 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034040@5.5.5.242:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[8] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf412b59d248
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992633
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e00040dc1a36f-70300bf0
 Call-ID: cc4f0580-67016980-15ad-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 22:02:40 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034040@5.5.5.242:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[9] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK7da10b88
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f00240e97b9eb-234849c5
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992629
 Date: Wed, 13 Jun 2007 22:02:40 GMT
 Call-ID: 001a2f8d-f17f0006-5a8f08bd-22d3ec07@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[10] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf412b59d248
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992633

To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e00040dc1a36f-70300bf0
 Call-ID: cc4f0580-67016980-15ad-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 22:02:43 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034040@5.5.5.242:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034040" <sip:3034040@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 14277 0 IN IP4 5.5.5.242
 s=SIP Call
 t=0 0
 m=audio 22258 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.242
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[11] ACK sip:3034040@5.5.5.242:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf4217eaf661
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992633
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e00040dc1a36f-70300bf0
 Date: Wed, 13 Jun 2007 22:02:40 GMT
 Call-ID: cc4f0580-67016980-15ad-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 101 ACK
 Allow-Events: presence
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.240
 t=0 0
 m=audio 20510 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[12] SIP/2.0 183 Session Progress

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK7da10b88
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f00240e97b9eb-234849c5
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992629
 Date: Wed, 13 Jun 2007 22:02:40 GMT
 Call-ID: 001a2f8d-f17f0006-5a8f08bd-22d3ec07@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.242
 t=0 0
 m=audio 22258 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[13] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK7da10b88
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f00240e97b9eb-234849c5

To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992629
 Date: Wed, 13 Jun 2007 22:02:40 GMT
 Call-ID: 001a2f8d-f17f0006-5a8f08bd-22d3ec07@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034040" <sip:3034040@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Supported: replaces
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.242
 t=0 0
 m=audio 22258 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[14] ACK sip:3034030@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK626bc296
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f00240e97b9eb-234849c5
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992629
 Call-ID: 001a2f8d-f17f0006-5a8f08bd-22d3ec07@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 22:02:44 GMT
 CSeq: 101 ACK
 User-Agent: Cisco-CP7960G/7.5
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[15] BYE sip:3034030@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK3c8af4e8
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f00240e97b9eb-234849c5
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992629
 Call-ID: 001a2f8d-f17f0006-5a8f08bd-22d3ec07@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 22:02:51 GMT
 CSeq: 102 BYE
 User-Agent: Cisco-CP7960G/7.5
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[16] BYE sip:3034040@5.5.5.242:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf433e327530
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992633
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e00040dc1a36f-70300bf0
 Date: Wed, 13 Jun 2007 22:02:40 GMT
 Call-ID: cc4f0580-67016980-15ad-2d050505@5.5.5.45
 User-Agent: Cisco-CCM6.0
 Max-Forwards: 70
 CSeq: 102 BYE
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[17] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK3c8af4e8
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f00240e97b9eb-234849c5
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992629
 Date: Wed, 13 Jun 2007 22:02:51 GMT
 Call-ID: 001a2f8d-f17f0006-5a8f08bd-22d3ec07@5.5.5.240
 CSeq: 102 BYE
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[18] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf433e327530
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992633
 To: <sip:3034040@5.5.5.242>;tag=0018b93bb53e00040dc1a36f-70300bf0
 Call-ID: cc4f0580-67016980-15ad-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 22:02:51 GMT
 CSeq: 102 BYE
 Server: Cisco-CP7960G/7.5
 Content-Length: 0

7. Call Forking

7.1 Call Forking

Title: Call Forking

Description:

A SIP Basic phone make a call to a DN which exists on two other SIP Basic phones.

Configuration:

Node = Unified CM, IP = 5.5.5.45

Phone = G, Line = 3034010, IP = 5.5.5.240, Model = SIP Basic

Phone = H, Line = 3034050, IP = 5.5.5.241, Model = SIP Basic

Phone = L, Line = 3034050, IP = 5.5.5.242, Model = SIP Basic

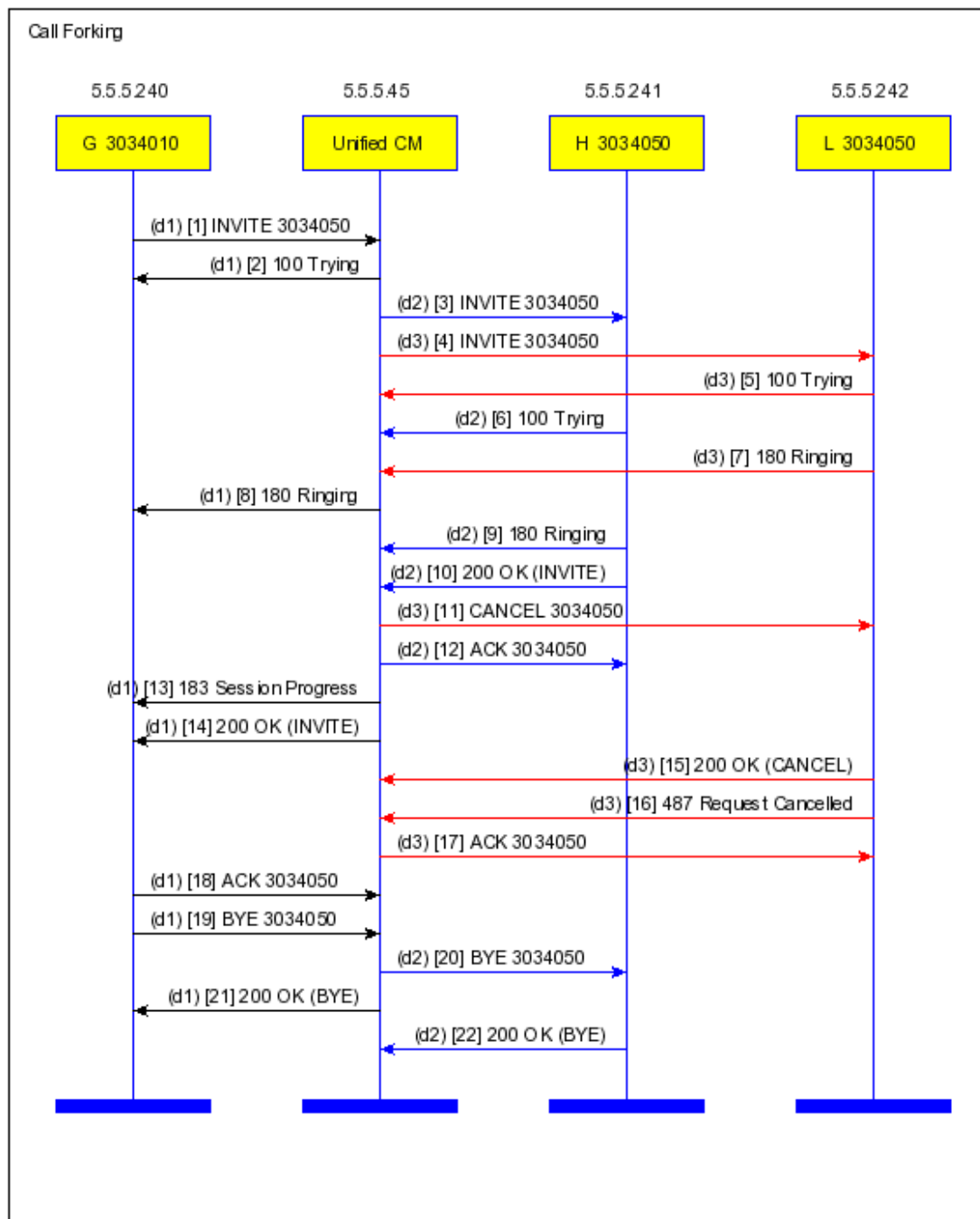
Scenario:

3034010 dials 3034050

H.3034050 and L.3034050 rings

H.3034050 answers

3034010 goes onhook



[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[1] INVITE sip:3034050@5.5.5.45 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK62173c76
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f005a506b3d6d-17d3a7f9
 To: <sip:3034050@5.5.5.45>
 Call-ID: 001a2f8d-f17f0006-19393135-43529163@5.5.5.240
 Max-Forwards: 70
 Date: Fri, 15 Jun 2007 19:47:42 GMT
 CSeq: 101 INVITE
 User-Agent: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Expires: 180
 Accept: application/sdp
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 247
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 809 0 IN IP4 5.5.5.240
 s=SIP Call
 t=0 0
 m=audio 23084 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.240
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[2] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK62173c76
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f005a506b3d6d-17d3a7f9
 To: <sip:3034050@5.5.5.45>
 Date: Fri, 15 Jun 2007 19:47:42 GMT
 Call-ID: 001a2f8d-f17f0006-19393135-43529163@5.5.5.240
 CSeq: 101 INVITE
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[3] INVITE sip:3034050@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bK8f7c5ef3ad
 Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-29826452
 To: <sip:3034050@5.5.5.241>
 Date: Fri, 15 Jun 2007 19:47:42 GMT
 Call-ID: 4659c880-6721ecde-a25-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 101 INVITE
 Expires: 180
 Allow-Events: presence
 Alert-Info: <file://Bellcore-dr1/>
 Contact: <sip:3034050@5.5.5.45:5060>
 Max-Forwards: 69
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[4] INVITE sip:3034050@5.5.5.242:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bK907ddc0458
 Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-29826452
 To: <sip:3034050@5.5.5.242>
 Date: Fri, 15 Jun 2007 19:47:42 GMT
 Call-ID: 4659c880-6721ecde-a26-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 101 INVITE
 Expires: 180
 Allow-Events: presence
 Alert-Info: <file://Bellcore-dr1/>

Contact: <sip:3034050@5.5.5.45:5060>
 Max-Forwards: 69
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[5] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bK907ddc0458
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-29826452
 To: <sip:3034050@5.5.5.242>
 Call-ID: 4659c880-6721ecde-a26-2d050505@5.5.5.45
 Date: Fri, 15 Jun 2007 19:47:42 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034050@5.5.5.242:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034050" <sip:3034050@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[6] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bK8f7c5ef3ad
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-29826452
 To: <sip:3034050@5.5.5.241>
 Call-ID: 4659c880-6721ecde-a25-2d050505@5.5.5.45
 Date: Fri, 15 Jun 2007 19:47:42 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034050@5.5.5.241:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034050" <sip:3034050@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[7] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bK907ddc0458
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-29826452
 To: <sip:3034050@5.5.5.242>;tag=0018b93bb53e0005160d1233-3a1af9c6
 Call-ID: 4659c880-6721ecde-a26-2d050505@5.5.5.45
 Date: Fri, 15 Jun 2007 19:47:42 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034050@5.5.5.242:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034050" <sip:3034050@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[8] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK62173c76
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f005a506b3d6d-17d3a7f9
 To: <sip:3034050@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-29826451
 Date: Fri, 15 Jun 2007 19:47:42 GMT
 Call-ID: 001a2f8d-f17f0006-19393135-43529163@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034050" <sip:3034050@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034050@5.5.5.45:5060>
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[9] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bK8f7c5ef3ad
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-29826452
 To: <sip:3034050@5.5.5.241>;tag=001a2fcb77d6006e1a4b88e7-0eff4899
 Call-ID: 4659c880-6721ecde-a25-2d050505@5.5.5.45
 Date: Fri, 15 Jun 2007 19:47:42 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034050@5.5.5.241:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034050" <sip:3034050@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[10] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bK8f7c5ef3ad
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-29826452
 To: <sip:3034050@5.5.5.241>;tag=001a2fcb77d6006e1a4b88e7-0eff4899
 Call-ID: 4659c880-6721ecde-a25-2d050505@5.5.5.45

Date: Fri, 15 Jun 2007 19:47:47 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034050@5.5.5.241:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034050" <sip:3034050@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 247
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 807 0 IN IP4 5.5.5.241
 s=SIP Call
 t=0 0
 m=audio 29278 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.241
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[11] CANCEL sip:3034050@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bK907ddc0458
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-29826452
 To: <sip:3034050@5.5.5.242>
 Date: Fri, 15 Jun 2007 19:47:42 GMT
 Call-ID: 4659c880-6721ecde-a26-2d050505@5.5.5.45
 CSeq: 101 CANCEL
 Max-Forwards: 70
 Reason: Q.850;cause=31
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[12] ACK sip:3034050@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bK91413fc42b
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-29826452
 To: <sip:3034050@5.5.5.241>;tag=001a2fcb77d6006e1a4b88e7-0eff4899
 Date: Fri, 15 Jun 2007 19:47:42 GMT
 Call-ID: 4659c880-6721ecde-a25-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 101 ACK
 Allow-Events: presence
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.240
 t=0 0
 m=audio 23084 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[13] SIP/2.0 183 Session Progress

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK62173c76
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f005a506b3d6d-17d3a7f9
 To: <sip:3034050@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-29826451
 Date: Fri, 15 Jun 2007 19:47:42 GMT
 Call-ID: 001a2f8d-f17f0006-19393135-43529163@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034050" <sip:3034050@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034050@5.5.5.45:5060>
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.241
 t=0 0

```
m=audio 29278 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[14] SIP/2.0 200 OK

```
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK62173c76
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f005a506b3d6d-17d3a7f9
To: <sip:3034050@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-29826451
Date: Fri, 15 Jun 2007 19:47:42 GMT
Call-ID: 001a2f8d-f17f0006-19393135-43529163@5.5.5.240
CSeq: 101 INVITE
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
Allow-Events: presence
Remote-Party-ID: "SIP Basic 3034050" <sip:3034050@5.5.5.45>;party=called;screen=yes;privacy=off
Contact: <sip:3034050@5.5.5.45:5060>
Supported: replaces
Content-Type: application/sdp
Content-Length: 205
```

```
v=0
o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.241
t=0 0
m=audio 29278 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[15] SIP/2.0 200 OK

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bK907ddc0458
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-29826452
To: <sip:3034050@5.5.5.242>;tag=0018b93bb53e0005160d1233-3a1af9c6
Call-ID: 4659c880-6721ecde-a26-2d050505@5.5.5.45
Date: Fri, 15 Jun 2007 19:47:47 GMT
CSeq: 101 CANCEL
Server: Cisco-CP7960G/7.5
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[16] SIP/2.0 487 Request Cancelled

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bK907ddc0458
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-29826452
To: <sip:3034050@5.5.5.242>;tag=0018b93bb53e0005160d1233-3a1af9c6
Call-ID: 4659c880-6721ecde-a26-2d050505@5.5.5.45
Date: Fri, 15 Jun 2007 19:47:47 GMT
CSeq: 101 INVITE
Server: Cisco-CP7960G/7.5
Contact: <sip:3034050@5.5.5.242:5060>
Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
Remote-Party-ID: "3034050" <sip:3034050@5.5.5.242>;party=called;id-type=subscriber;privacy=off;screen=yes
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[17] ACK sip:3034050@5.5.5.242:5060 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bK907ddc0458
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-29826452
To: <sip:3034050@5.5.5.242>;tag=0018b93bb53e0005160d1233-3a1af9c6
Date: Fri, 15 Jun 2007 19:47:42 GMT
Call-ID: 4659c880-6721ecde-a26-2d050505@5.5.5.45
Max-Forwards: 70
CSeq: 101 ACK
Allow-Events: presence
Content-Length: 0
```

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[18] ACK sip:3034050@5.5.5.45:5060 SIP/2.0

```
Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK7d0a6df6
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f005a506b3d6d-17d3a7f9
To: <sip:3034050@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-29826451
Call-ID: 001a2f8d-f17f0006-19393135-43529163@5.5.5.240
Max-Forwards: 70
Date: Fri, 15 Jun 2007 19:47:47 GMT
CSeq: 101 ACK
User-Agent: Cisco-CP7960G/7.5
```

Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[19] BYE sip:3034050@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK4a2fddaa
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f005a506b3d6d-17d3a7f9
To: <sip:3034050@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-29826451
Call-ID: 001a2f8d-f17f0006-19393135-43529163@5.5.5.240
Max-Forwards: 70
Date: Fri, 15 Jun 2007 19:47:49 GMT
CSeq: 102 BYE
User-Agent: Cisco-CP7960G/7.5
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[20] BYE sip:3034050@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bK924899f1e4
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-29826452
To: <sip:3034050@5.5.5.241>;tag=001a2fcb77d6006e1a4b88e7-0eff4899
Date: Fri, 15 Jun 2007 19:47:42 GMT
Call-ID: 4659c880-6721ecde-a25-2d050505@5.5.5.45
User-Agent: Cisco-CCM6.0
Max-Forwards: 70
CSeq: 102 BYE
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[21] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK4a2fddaa
From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f005a506b3d6d-17d3a7f9
To: <sip:3034050@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-29826451
Date: Fri, 15 Jun 2007 19:47:49 GMT
Call-ID: 001a2f8d-f17f0006-19393135-43529163@5.5.5.240
CSeq: 102 BYE
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[22] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bK924899f1e4
From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-29826452
To: <sip:3034050@5.5.5.241>;tag=001a2fcb77d6006e1a4b88e7-0eff4899
Call-ID: 4659c880-6721ecde-a25-2d050505@5.5.5.45
Date: Fri, 15 Jun 2007 19:47:49 GMT
CSeq: 102 BYE
Server: Cisco-CP7960G/7.5
Content-Length: 0

8. Distinctive Ringing

8.1 Alert Info - Internal

Title: Alert Info - Internal

Description:

SIP Basic phone calls a SIP Basic phone.

Configuration:

Node = Unified CM, IP = 5.5.5.45

Phone = G, Line = 3034010, IP = 5.5.5.240, Model = SIP Basic

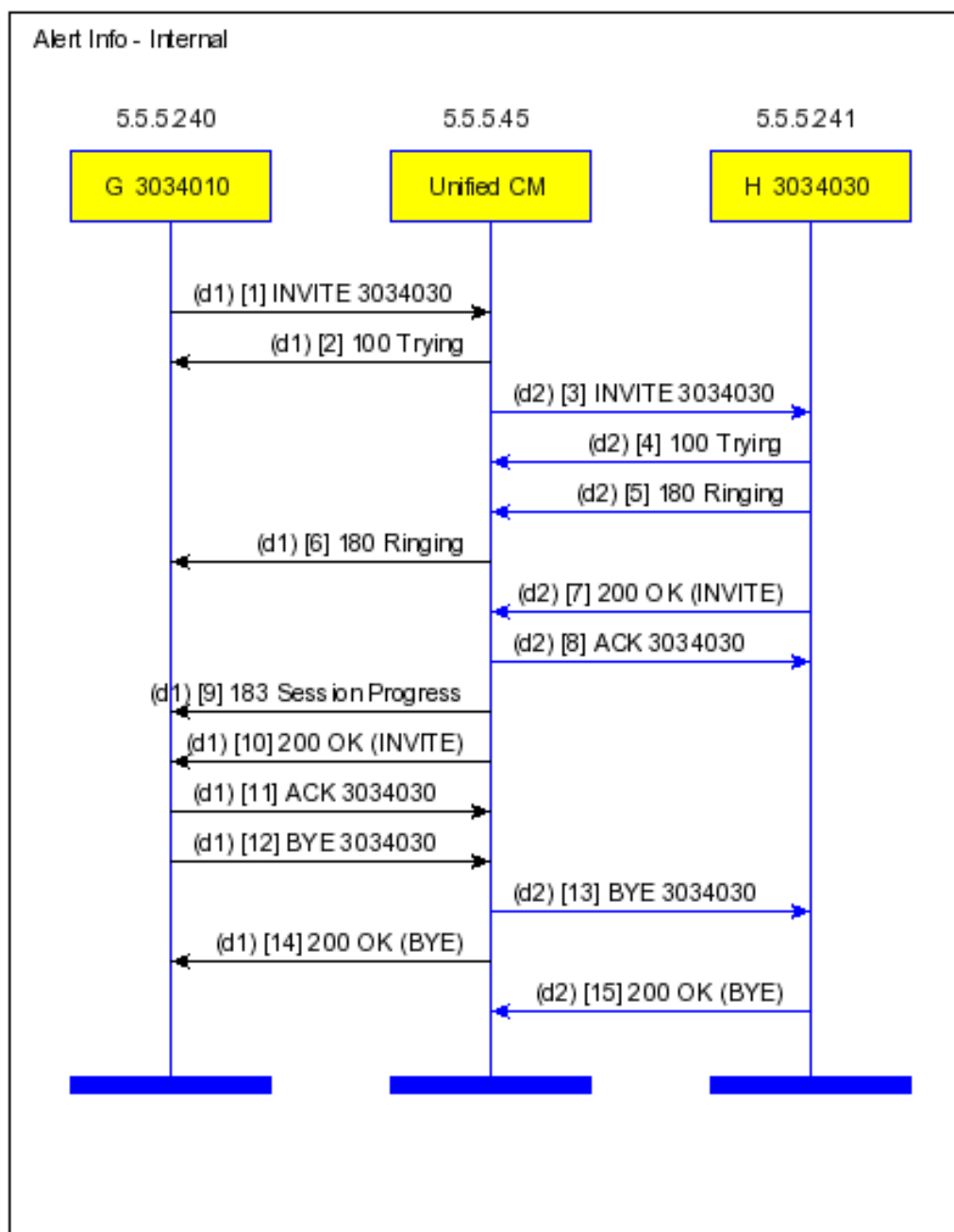
Phone = H, Line = 3034030, IP = 5.5.5.241, Model = SIP Basic

Scenario:

3034010 calls 3034030

3034030 answers the call

3034030 goes onhook



[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[1] INVITE sip:3034030@5.5.5.45 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK02032f92
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0018103d8b03-7d4c16cb
 To: <sip:3034030@5.5.5.45>
 Call-ID: 001a2f8d-f17f0005-11678bfb-1a4e47aa@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 21:46:31 GMT
 CSeq: 101 INVITE
 User-Agent: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Expires: 180
 Accept: application/sdp
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 21482 0 IN IP4 5.5.5.240
 s=SIP Call
 t=0 0
 m=audio 20502 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.240
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[2] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK02032f92
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0018103d8b03-7d4c16cb
 To: <sip:3034030@5.5.5.45>
 Date: Wed, 13 Jun 2007 21:46:31 GMT
 Call-ID: 001a2f8d-f17f0005-11678bfb-1a4e47aa@5.5.5.240
 CSeq: 101 INVITE
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[3] INVITE sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf301ef85d20
 Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992616
 To: <sip:3034030@5.5.5.241>
 Date: Wed, 13 Jun 2007 21:46:31 GMT
 Call-ID: 8abd5b00-670165b7-1581-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 101 INVITE
 Expires: 180
 Allow-Events: presence
 Alert-Info: <file://Bellcore-dr1/>
 Contact: <sip:3034030@5.5.5.45:5060>
 Max-Forwards: 69
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[4] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf301ef85d20
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992616
 To: <sip:3034030@5.5.5.241>
 Call-ID: 8abd5b00-670165b7-1581-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 21:46:31 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK, BYE, CANCEL, INVITE, NOTIFY, OPTIONS, REFER, REGISTER, UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[5] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf301ef85d20
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992616
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d600073322da90-6aaeb91a
 Call-ID: 8abd5b00-670165b7-1581-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 21:46:31 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[6] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK02032f92
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0018103d8b03-7d4c16cb
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992615
 Date: Wed, 13 Jun 2007 21:46:31 GMT
 Call-ID: 001a2f8d-f17f0005-11678bfb-1a4e47aa@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Alerting 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[7] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf301ef85d20
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992616
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d600073322da90-6aaeb91a
 Call-ID: 8abd5b00-670165b7-1581-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 21:46:32 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034030@5.5.5.241:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034030" <sip:3034030@5.5.5.241>;party=called;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 12397 0 IN IP4 5.5.5.241
 s=SIP Call
 t=0 0
 m=audio 29346 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.241
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[8] ACK sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf316d1efaaf
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992616
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d600073322da90-6aaeb91a
 Date: Wed, 13 Jun 2007 21:46:31 GMT
 Call-ID: 8abd5b00-670165b7-1581-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 101 ACK
 Allow-Events: presence
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.240
 t=0 0
 m=audio 20502 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[9] SIP/2.0 183 Session Progress

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK02032f92
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0018103d8b03-7d4c16cb
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992615
 Date: Wed, 13 Jun 2007 21:46:31 GMT
 Call-ID: 001a2f8d-f17f0005-11678bfb-1a4e47aa@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Alerting 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.241
 t=0 0
 m=audio 29346 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[10] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK02032f92
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0018103d8b03-7d4c16cb
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992615
 Date: Wed, 13 Jun 2007 21:46:31 GMT
 Call-ID: 001a2f8d-f17f0005-11678bfb-1a4e47aa@5.5.5.240
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034030" <sip:3034030@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034030@5.5.5.45:5060>
 Supported: replaces
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.241
 t=0 0
 m=audio 29346 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[11] ACK sip:3034030@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK32318e92
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0018103d8b03-7d4c16cb
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992615
 Call-ID: 001a2f8d-f17f0005-11678bfb-1a4e47aa@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 21:46:33 GMT
 CSeq: 101 ACK
 User-Agent: Cisco-CP7960G/7.5
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[12] BYE sip:3034030@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK0f01b57c
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0018103d8b03-7d4c16cb
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992615
 Call-ID: 001a2f8d-f17f0005-11678bfb-1a4e47aa@5.5.5.240
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 21:46:35 GMT
 CSeq: 102 BYE
 User-Agent: Cisco-CP7960G/7.5
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[13] BYE sip:3034030@5.5.5.241:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf3248ecec44
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992616
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d600073322da90-6aaeb91a
 Date: Wed, 13 Jun 2007 21:46:31 GMT
 Call-ID: 8abd5b00-670165b7-1581-2d050505@5.5.5.45
 User-Agent: Cisco-CCM6.0
 Max-Forwards: 70
 CSeq: 102 BYE
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[14] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.240:5060;branch=z9hG4bK0f01b57c
 From: "3034010" <sip:3034010@5.5.5.45>;tag=001a2f8df17f0018103d8b03-7d4c16cb
 To: <sip:3034030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992615
 Date: Wed, 13 Jun 2007 21:46:36 GMT
 Call-ID: 001a2f8d-f17f0005-11678bfb-1a4e47aa@5.5.5.240
 CSeq: 102 BYE
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[15] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf3248ecec44
 From: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992616
 To: <sip:3034030@5.5.5.241>;tag=001a2fcb77d600073322da90-6aaeb91a
 Call-ID: 8abd5b00-670165b7-1581-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 21:46:35 GMT
 CSeq: 102 BYE
 Server: Cisco-CP7960G/7.5
 Content-Length: 0

8.2 Alert Info - External

Title: Alert Info - External

Description:

A phone from another cluster calls a SIP Basic phone over a SIP-ICT trunk.

Configuration:

Node = Unified CM1, IP = 5.5.5.45

Node = Unified CM2, IP = 5.5.5.48

Phone = G, Line = 3034010, IP = 5.5.5.240, Model = SIP Basic

Phone = X, Line = 4251030, IP = 5.5.5., Model = SCCP

SIP-ICT trunk configured

Scenario:

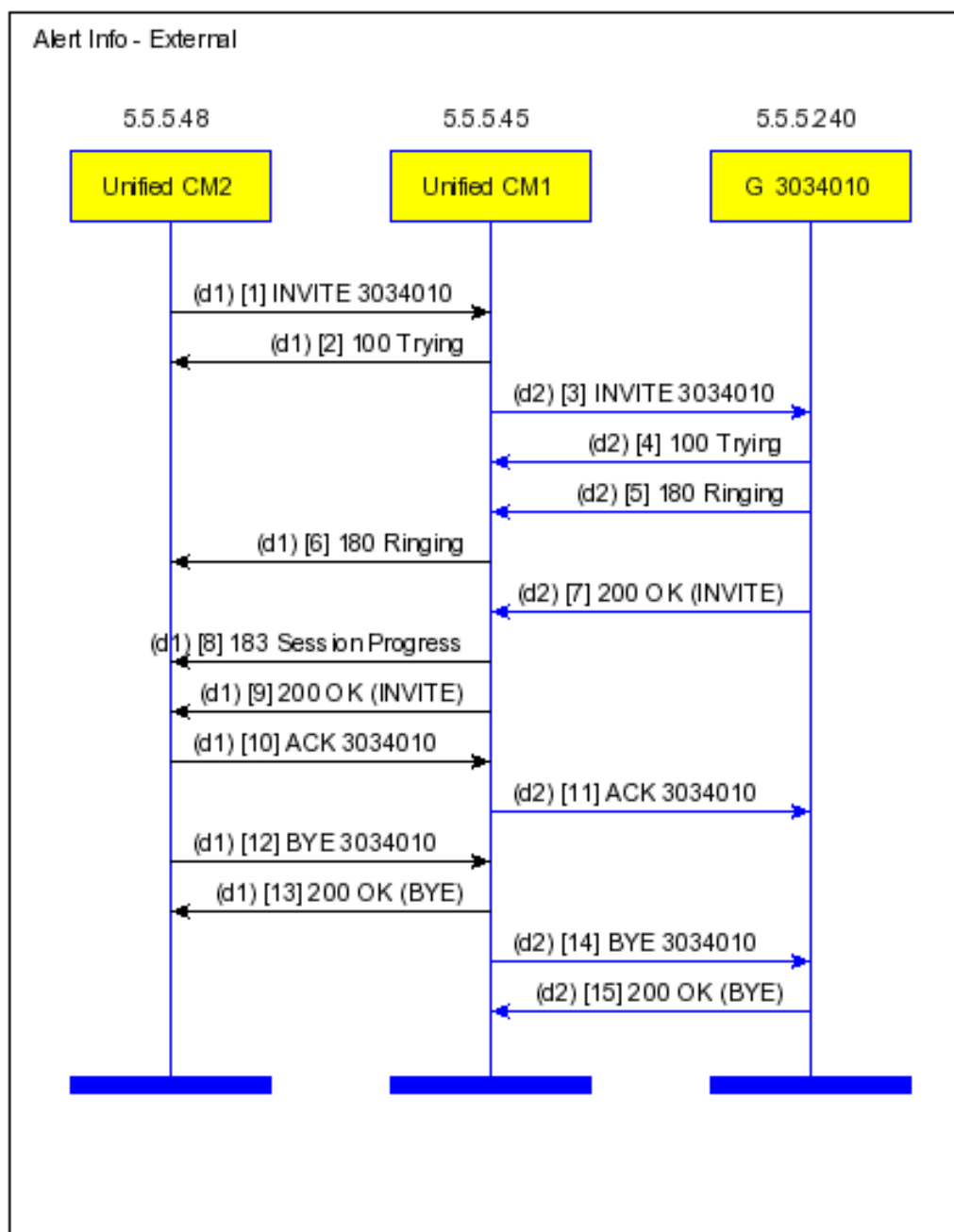
4251030 calls 3034010

Call arrives over a SIP-ICT trunk from Unified CM2

3034010 rings

3034010 answers

4251030 goes onhook



[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[1] INVITE sip:3034010@titan-pub.sipnet5.com:5080 SIP/2.0

Via: SIP/2.0/TCP 5.5.5.48:5080;branch=z9hG4bK10779cdd39
 Remote-Party-ID: "Craig" <sip:4251030@5.5.5.48>;party=calling;screen=yes;privacy=off
 From: "Craig" <sip:4251030@5.5.5.48>;tag=ccdbb47a-2106-4cb4-9cb4-f3b0a7c6d6d7-27318722
 To: <sip:3034010@titan-pub.sipnet5.com>
 Date: Wed, 13 Jun 2007 21:37:28 GMT
 Call-ID: 47162180-67016398-3fe7-30050505@5.5.5.48
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 101 INVITE
 Contact: <sip:4251030@5.5.5.48:5080;transport=tcp>
 Expires: 180
 Allow-Events: presence, kpml
 Call-Info: <sip:5.5.5.48:5080>;method="NOTIFY;Event=telephone-event;Duration=500"
 Session-Expires: 1800
 Max-Forwards: 70
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[2] SIP/2.0 100 Trying

Via: SIP/2.0/TCP 5.5.5.48:5080;branch=z9hG4bK10779cdd39
 From: "Craig" <sip:4251030@5.5.5.48>;tag=ccdbb47a-2106-4cb4-9cb4-f3b0a7c6d6d7-27318722
 To: <sip:3034010@titan-pub.sipnet5.com>
 Date: Wed, 13 Jun 2007 21:37:28 GMT
 Call-ID: 47162180-67016398-3fe7-30050505@5.5.5.48
 CSeq: 101 INVITE
 Allow-Events: presence
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[3] INVITE sip:3034010@5.5.5.240:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf289f12f0a
 Remote-Party-ID: "Craig" <sip:4251030@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: "Craig" <sip:4251030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992613
 To: <sip:3034010@5.5.5.240>
 Date: Wed, 13 Jun 2007 21:37:28 GMT
 Call-ID: 47162180-67016398-156f-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 101 INVITE
 Expires: 180
 Allow-Events: presence
 Alert-Info: <file://Bellcore-dr2/>
 Contact: <sip:3034010@5.5.5.45:5060>
 Max-Forwards: 69
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[4] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf289f12f0a
 From: "Craig" <sip:4251030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992613
 To: <sip:3034010@5.5.5.240>
 Call-ID: 47162180-67016398-156f-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 21:37:29 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[5] SIP/2.0 180 Ringing

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf289f12f0a
 From: "Craig" <sip:4251030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992613
 To: <sip:3034010@5.5.5.240>;tag=001a2f8df17f00117411fbe2-4a73f370
 Call-ID: 47162180-67016398-156f-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 21:37:29 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=called;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[6] SIP/2.0 180 Ringing

Via: SIP/2.0/TCP 5.5.5.48:5080;branch=z9hG4bK10779cdd39
 From: "Craig" <sip:4251030@5.5.5.48>;tag=ccdabb47a-2106-4cb4-9cb4-f3b0a7c6d6d7-27318722
 To: <sip:3034010@titan-pub.sipnet5.com>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992612
 Date: Wed, 13 Jun 2007 21:37:28 GMT
 Call-ID: 47162180-67016398-3fe7-30050505@5.5.5.48
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Alerting 3034010" <sip:3034010@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034010@5.5.5.45:5080;transport=tcp>
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[7] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf289f12f0a
 From: "Craig" <sip:4251030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992613
 To: <sip:3034010@5.5.5.240>;tag=001a2f8df17f00117411fbe2-4a73f370
 Call-ID: 47162180-67016398-156f-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 21:37:31 GMT
 CSeq: 101 INVITE
 Server: Cisco-CP7960G/7.5
 Contact: <sip:3034010@5.5.5.240:5060>
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "3034010" <sip:3034010@5.5.5.240>;party=called;id-type=subscriber;privacy=off;screen=yes
 Supported: replaces
 Content-Length: 249
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 26582 0 IN IP4 5.5.5.240
 s=SIP Call
 t=0 0
 m=audio 20498 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.240
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[8] SIP/2.0 183 Session Progress

Via: SIP/2.0/TCP 5.5.5.48:5080;branch=z9hG4bK10779cdd39
 From: "Craig" <sip:4251030@5.5.5.48>;tag=ccdabb47a-2106-4cb4-9cb4-f3b0a7c6d6d7-27318722
 To: <sip:3034010@titan-pub.sipnet5.com>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992612
 Date: Wed, 13 Jun 2007 21:37:28 GMT
 Call-ID: 47162180-67016398-3fe7-30050505@5.5.5.48
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Alerting 3034010" <sip:3034010@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034010@5.5.5.45:5080;transport=tcp>
 Content-Type: application/sdp
 Content-Length: 279

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.240
 t=0 0
 m=audio 20498 RTP/AVP 0 8 18 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:8 PCMA/8000
 a=ptime:20
 a=rtpmap:18 G729/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[9] SIP/2.0 200 OK

Via: SIP/2.0/TCP 5.5.5.48:5080;branch=z9hG4bK10779cdd39
 From: "Craig" <sip:4251030@5.5.5.48>;tag=ccdabb47a-2106-4cb4-9cb4-f3b0a7c6d6d7-27318722
 To: <sip:3034010@titan-pub.sipnet5.com>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992612
 Date: Wed, 13 Jun 2007 21:37:28 GMT

Call-ID: 47162180-67016398-3fe7-30050505@5.5.5.48
 CSeq: 101 INVITE
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 Allow-Events: presence
 Remote-Party-ID: "SIP Basic 3034010" <sip:3034010@5.5.5.45>;party=called;screen=yes;privacy=off
 Contact: <sip:3034010@5.5.5.45:5080;transport=tcp>
 Supported: replaces
 Session-Expires: 1800;refresher=uas
 Require: timer
 Content-Type: application/sdp
 Content-Length: 279

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.240
 t=0 0
 m=audio 20498 RTP/AVP 0 8 18 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:8 PCMA/8000
 a=ptime:20
 a=rtpmap:18 G729/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[10] ACK sip:3034010@5.5.5.45:5080;transport=tcp SIP/2.0

Via: SIP/2.0/TCP 5.5.5.48:5080;branch=z9hG4bK108726dd23f
 From: "Craig" <sip:4251030@5.5.5.48>;tag=ccdbb47a-2106-4cb4-9cb4-f3b0a7c6d6d7-27318722
 To: <sip:3034010@titan-pub.sipnet5.com>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992612
 Date: Wed, 13 Jun 2007 21:37:28 GMT
 Call-ID: 47162180-67016398-3fe7-30050505@5.5.5.48
 Max-Forwards: 70
 CSeq: 101 ACK
 Allow-Events: presence, kpml
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.48
 s=SIP Call
 c=IN IP4 5.5.5.221
 t=0 0
 m=audio 32272 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[11] ACK sip:3034010@5.5.5.240:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf2970ecadc6
 From: "Craig" <sip:4251030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992613
 To: <sip:3034010@5.5.5.240>;tag=001a2f8df17f00117411fbc2-4a73f370
 Date: Wed, 13 Jun 2007 21:37:28 GMT
 Call-ID: 47162180-67016398-156f-2d050505@5.5.5.45
 Max-Forwards: 70
 CSeq: 101 ACK
 Allow-Events: presence
 Content-Type: application/sdp
 Content-Length: 205

v=0
 o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
 s=SIP Call
 c=IN IP4 5.5.5.221
 t=0 0
 m=audio 32272 RTP/AVP 0 101
 a=rtpmap:0 PCMU/8000
 a=ptime:20
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[12] BYE sip:3034010@5.5.5.45:5080;transport=tcp SIP/2.0

Via: SIP/2.0/TCP 5.5.5.48:5080;branch=z9hG4bK10956a85fe6
 From: "Craig" <sip:4251030@5.5.5.48>;tag=ccdbb47a-2106-4cb4-9cb4-f3b0a7c6d6d7-27318722
 To: <sip:3034010@titan-pub.sipnet5.com>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992612

Date: Wed, 13 Jun 2007 21:37:28 GMT
 Call-ID: 47162180-67016398-3fe7-30050505@5.5.5.48
 User-Agent: Cisco-CCM6.0
 Max-Forwards: 70
 CSeq: 102 BYE
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[13] SIP/2.0 200 OK

Via: SIP/2.0/TCP 5.5.5.48:5080;branch=z9hG4bK10956a85fe6
 From: "Craig" <sip:4251030@5.5.5.48>;tag=ccdbb47a-2106-4cb4-9cb4-f3b0a7c6d6d7-27318722
 To: <sip:3034010@titan-pub.sipnet5.com>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992612
 Date: Wed, 13 Jun 2007 21:37:37 GMT
 Call-ID: 47162180-67016398-3fe7-30050505@5.5.5.48
 CSeq: 102 BYE
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[14] BYE sip:3034010@5.5.5.240:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf2a742ccc4b
 From: "Craig" <sip:4251030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992613
 To: <sip:3034010@5.5.5.240>;tag=001a2f8df17f00117411fbe2-4a73f370
 Date: Wed, 13 Jun 2007 21:37:28 GMT
 Call-ID: 47162180-67016398-156f-2d050505@5.5.5.45
 User-Agent: Cisco-CCM6.0
 Max-Forwards: 70
 CSeq: 102 BYE
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[15] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf2a742ccc4b
 From: "Craig" <sip:4251030@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992613
 To: <sip:3034010@5.5.5.240>;tag=001a2f8df17f00117411fbe2-4a73f370
 Call-ID: 47162180-67016398-156f-2d050505@5.5.5.45
 Date: Wed, 13 Jun 2007 21:37:38 GMT
 CSeq: 102 BYE
 Server: Cisco-CP7960G/7.5
 Content-Length: 0

9. Message Waiting Indicator

9.1 Message Waiting Indication On

Title: Message Waiting Indication On

Description:

Line 3033100 on phone F has voicemail configured but no messages currently waiting and is configured via Unified CM for Call Forward All to voicemail.

Note phone F may have lines other than 3033100. However this scenario focuses on Line 3033100.

Line 3033110 on phone A calls line 3033100 on phone F and is forwarded to the voicemail server. The user at phone A leaves a message.

The voicemail server will inform Unified CM and Unified CM will inform phone F of the new message waiting on state.

Notice the "NOTIFY" sent to phone F with a "Messages-Waiting: yes" body.

Configuration:

Node = Unified CM, IP = 5.5.5.45

Phone = E, Line = 3033110, IP = 5.5.5.230, Model = Cisco Unified IP Phone 7960 (SIP)

Phone = F, Line = 3033100, IP = 5.5.5.226, Model = Cisco Unified IP Phone 7960 (SIP)

Node = Voicemail Server, IP = 5.5.5.72

Scenario:

3033110 calls 3033100

3033100 does not ring

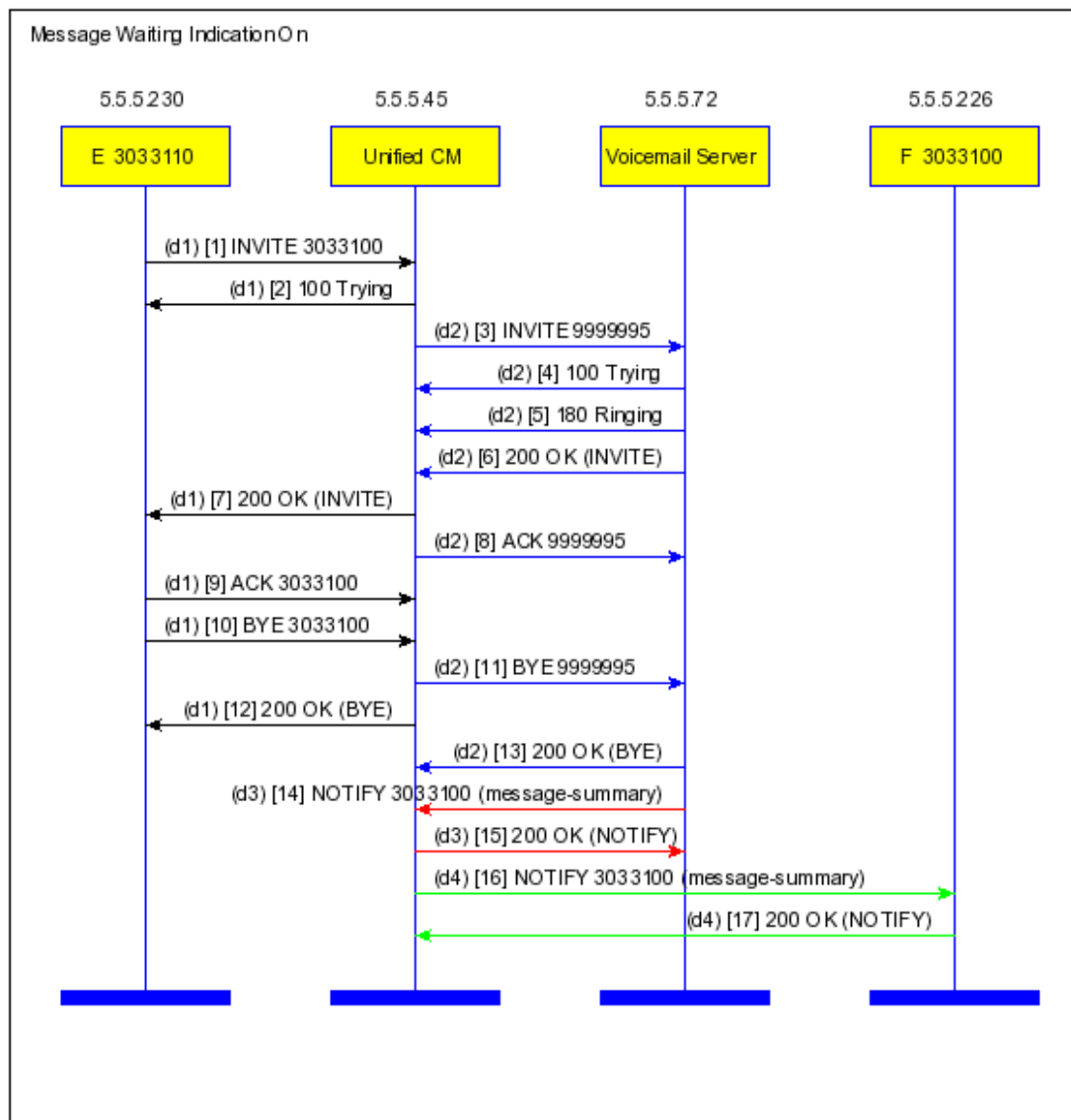
Voicemail server rings and answers

3033110 leaves message

3033110 goes onhook

Voicemail server notifies Unified CM of Phone F's MWI state

Unified CM notifies phone F of its MWI state



[diagram] Call-ID: [prev] [next]

[1] INVITE sip:3033100@titan-pub SIP/2.0

Via: SIP/2.0/UDP 5.5.5.230:5060;branch=z9hG4bK141fd84c
 From: "Vicky" <sip:3033110@titan-pub>;tag=000ab8f5aa21000b065f47f3-45a78ec9
 To: <sip:3033100@titan-pub>
 Call-ID: 000ab8f5-aa21000f-3f8cf089-2858e491@5.5.5.230
 Max-Forwards: 70
 CSeq: 101 INVITE
 User-Agent: Cisco-CP7960G/8.0
 Contact: <sip:3033110@5.5.5.230:5060;transport=udp>
 Expires: 180
 Accept: application/sdp
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "Vicky" <sip:3033110@titan-pub>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 270
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 24333 0 IN IP4 5.5.5.230
 s=SIP Call
 t=0 0
 m=audio 20448 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.230
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=fmtp:18 annexb=no
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[diagram] Call-ID: [prev] [next]

[2] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.230:5060;branch=z9hG4bK141fd84c
 From: "Vicky" <sip:3033110@titan-pub>;tag=000ab8f5aa21000b065f47f3-45a78ec9
 To: <sip:3033100@titan-pub>
 Date: Wed, 13 Jun 2007 20:53:18 GMT
 Call-ID: 000ab8f5-aa21000f-3f8cf089-2858e491@5.5.5.230
 CSeq: 101 INVITE
 Allow-Events: presence
 Content-Length: 0

[diagram] Call-ID: [prev] [next]

[3] INVITE sip:9999995@janus-unity.sipnet5.com:5090 SIP/2.0

Via: SIP/2.0/TCP 5.5.5.45:5090;branch=z9hG4bKf122831a500
 Remote-Party-ID: "Vicky" <sip:3033110@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: "Vicky" <sip:3033110@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992603
 To: <sip:9999995@janus-unity.sipnet5.com>
 Date: Wed, 13 Jun 2007 20:53:18 GMT
 Call-ID: 1b903880-6701593e-153b-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 101 INVITE
 Contact: <sip:3033110@5.5.5.45:5090;transport=tcp>
 Expires: 180
 Allow-Events: presence
 Session-Expires: 1800
 Diversion: "Tripti" <sip:3033100@5.5.5.45>;reason=unconditional;privacy=off;screen=yes
 Max-Forwards: 69
 Content-Length: 0

[diagram] Call-ID: [prev] [next]

[4] SIP/2.0 100 Trying

From: "Vicky" <sip:3033110@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992603
 To: <sip:9999995@janus-unity.sipnet5.com>;tag=450D4339CA884D5AA49BCE8B99B64515
 Via: SIP/2.0/TCP 5.5.5.45:5090;branch=z9hG4bKf122831a500
 Call-ID: 1b903880-6701593e-153b-2d050505@5.5.5.45
 CSeq: 101 INVITE
 Content-Length: 0

[diagram] Call-ID: [prev] [next]

[5] SIP/2.0 180 Ringing

From: "Vicky" <sip:3033110@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992603
 To: <sip:9999995@janus-unity.sipnet5.com>;tag=450D4339CA884D5AA49BCE8B99B64515
 Via: SIP/2.0/TCP 5.5.5.45:5090;branch=z9hG4bKf122831a500
 Via: SIP/2.0/TCP 5.5.5.45:5090;branch=z9hG4bKf122831a500
 Call-ID: 1b903880-6701593e-153b-2d050505@5.5.5.45

CSeq: 101 INVITE
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[6] SIP/2.0 200 OK

From: "Vicky" <sip:3033110@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992603
To: <sip:9999995@janus-unity.sipnet5.com>;tag=450D4339CA884D5AA49BCE8B99B64515
Via: SIP/2.0/TCP 5.5.5.45:5090;branch=z9hG4bKf122831a500
Contact: sip:9999995@5.5.5.72:5090
Call-ID: 1b903880-6701593e-153b-2d050505@5.5.5.45
CSeq: 101 INVITE
Content-Length: 247
Content-Type: application/sdp

v=0
o=5.5.5.72 189477876 189477876 IN IP4 5.5.5.72
s=No Subject
c=IN IP4 5.5.5.72
t=0 0
m=audio 22812 RTP/AVP 0 18 101
a=rtpmap:0 pcmu/8000
a=ptime:20
a=rtpmap:18 G729/8000
a=ptime:20
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[7] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.230:5060;branch=z9hG4bK141fd84c
From: "Vicky" <sip:3033110@titan-pub>;tag=000ab8f5aa21000b065f47f3-45a78ec9
To: <sip:3033100@titan-pub>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992600
Date: Wed, 13 Jun 2007 20:53:18 GMT
Call-ID: 000ab8f5-aa21000f-3f8cf089-2858e491@5.5.5.230
CSeq: 101 INVITE
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
Allow-Events: presence
Remote-Party-ID: <sip:9999995@5.5.5.45>;party=called;screen=yes;privacy=off
Contact: <sip:3033100@5.5.5.45:5060>
Supported: replaces
Content-Type: application/sdp
Content-Length: 204

v=0
o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.72
t=0 0
m=audio 22812 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[8] ACK sip:9999995@5.5.5.72:5090 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5090;branch=z9hG4bKf13239e1cd4
From: "Vicky" <sip:3033110@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992603
To: <sip:9999995@janus-unity.sipnet5.com>;tag=450D4339CA884D5AA49BCE8B99B64515
Date: Wed, 13 Jun 2007 20:53:18 GMT
Call-ID: 1b903880-6701593e-153b-2d050505@5.5.5.45
Max-Forwards: 70
CSeq: 101 ACK
Allow-Events: presence
Content-Type: application/sdp
Content-Length: 205

v=0
o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.230
t=0 0
m=audio 20448 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[9] ACK sip:3033100@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.230:5060;branch=z9hG4bK231e351c
 From: "Vicky" <sip:3033110@titan-pub>;tag=000ab8f5aa21000b065f47f3-45a78ec9
 To: <sip:3033100@titan-pub>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992600
 Call-ID: 000ab8f5-aa21000f-3f8cf089-2858e491@5.5.5.230
 Max-Forwards: 70
 CSeq: 101 ACK
 User-Agent: Cisco-CP7960G/8.0
 Remote-Party-ID: "Vicky" <sip:3033110@titan-pub>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[[diagram](#)] Call-ID: [[prev](#)][[next](#)]

[10] BYE sip:3033100@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.230:5060;branch=z9hG4bK0b426a6a
 From: "Vicky" <sip:3033110@titan-pub>;tag=000ab8f5aa21000b065f47f3-45a78ec9
 To: <sip:3033100@titan-pub>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992600
 Call-ID: 000ab8f5-aa21000f-3f8cf089-2858e491@5.5.5.230
 Max-Forwards: 70
 CSeq: 102 BYE
 User-Agent: Cisco-CP7960G/8.0
 Content-Length: 0

[[diagram](#)] Call-ID: [[prev](#)][[next](#)]

[11] BYE sip:9999995@5.5.5.72:5090 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5090;branch=z9hG4bKf145031d2b2
 From: "Vicky" <sip:3033110@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992603
 To: <sip:9999995@janus-unity.sipnet5.com>;tag=450D4339CA884D5AA49BCE8B99B64515
 Date: Wed, 13 Jun 2007 20:53:18 GMT
 Call-ID: 1b903880-6701593e-153b-2d050505@5.5.5.45
 User-Agent: Cisco-CCM6.0
 Max-Forwards: 70
 CSeq: 102 BYE
 Content-Length: 0

[[diagram](#)] Call-ID: [[prev](#)][[next](#)]

[12] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.230:5060;branch=z9hG4bK0b426a6a
 From: "Vicky" <sip:3033110@titan-pub>;tag=000ab8f5aa21000b065f47f3-45a78ec9
 To: <sip:3033100@titan-pub>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992600
 Date: Wed, 13 Jun 2007 20:53:32 GMT
 Call-ID: 000ab8f5-aa21000f-3f8cf089-2858e491@5.5.5.230
 CSeq: 102 BYE
 Content-Length: 0

[[diagram](#)] Call-ID: [[prev](#)][[next](#)]

[13] SIP/2.0 200 OK

From: "Vicky" <sip:3033110@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992603
 To: <sip:9999995@janus-unity.sipnet5.com>;tag=450D4339CA884D5AA49BCE8B99B64515
 Via: SIP/2.0/UDP 5.5.5.45:5090;branch=z9hG4bKf145031d2b2
 Call-ID: 1b903880-6701593e-153b-2d050505@5.5.5.45
 CSeq: 102 BYE
 Content-Length: 0

[[diagram](#)] Call-ID: [[prev](#)][[next](#)]

[14] NOTIFY sip:3033100@5.5.5.45 SIP/2.0

From: sip:9999995@5.5.5.72:5090;tag=F7CCD57D6E9644968221EDF0CDD06DDC
 To: sip:3033100@5.5.5.45
 Via: SIP/2.0/UDP 5.5.5.72:5090;branch=z9hG4bK8C45BE58B0A3432CBEC289F365FC2EDB
 Max-Forwards: 70
 Contact: sip:9999995@5.5.5.72:5090
 Call-ID: 75697C33B8D940D0AE2184A60020BA2B@5.5.5.45
 CSeq: 300 NOTIFY
 Event: message-summary
 Content-Length: 23
 Content-Type: text/plain

Messages-Waiting: yes

[[diagram](#)] Call-ID: [[prev](#)][[next](#)]

[15] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.72:5090;branch=z9hG4bK8C45BE58B0A3432CBEC289F365FC2EDB
 From: sip:9999995@5.5.5.72:5090;tag=F7CCD57D6E9644968221EDF0CDD06DDC
 To: sip:3033100@5.5.5.45;tag=331547812
 Date: Wed, 13 Jun 2007 20:53:33 GMT
 Call-ID: 75697C33B8D940D0AE2184A60020BA2B@5.5.5.45
 CSeq: 300 NOTIFY
 Content-Length: 0

[[diagram](#)] Call-ID: [[prev](#)][[next](#)]

[16] NOTIFY sip:3033100@5.5.5.226:5060;transport=udp SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf15198a1db0

From: <sip:3033100@5.5.5.45>;tag=475480494
To: <sip:3033100@5.5.5.226>
Call-ID: 24810a00-6701594d-153c-2d050505@5.5.5.45
CSeq: 101 NOTIFY
Max-Forwards: 70
Date: Wed, 13 Jun 2007 20:53:33 GMT
User-Agent: Cisco-CCM6.0
Event: message-summary
Subscription-State: active
Contact: <sip:3033100@5.5.5.45:5060>
Content-Type: application/simple-message-summary
Content-Length: 23

Messages-Waiting: yes

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)
[17] SIP/2.0 200 OK
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf15198a1db0
From: <sip:3033100@5.5.5.45>;tag=475480494
To: <sip:3033100@5.5.5.226>
Call-ID: 24810a00-6701594d-153c-2d050505@5.5.5.45
CSeq: 101 NOTIFY
Content-Length: 0

9.2 Message Waiting Indication Off

Title: Message Waiting Indication Off

Description:

Line 3033100 on phone F has voicemail configured with one or more messages currently waiting. Note this phone may have lines other than 3033100. However this scenario focuses on Line 3033100.

Line 3033100 on phone F calls the voicemail server and accesses their voicemail account and listens to all new messages

The voicemail server will inform Unified CM and Unified CM will inform phone F of the new message waiting off state

Notice the "NOTIFY" sent to phone F with "Messages-Waiting: no" body for Line 3033100.

Configuration:

Node = Unified CM, IP = 5.5.5.45

Node = Voicemail Server, IP = 5.5.5.72

Phone = F, Line = 3033100, IP = 5.5.5.226, Model = Cisco Unified IP Phone 7960 (SIP)

Scenario:

3033100 calls voicemail server

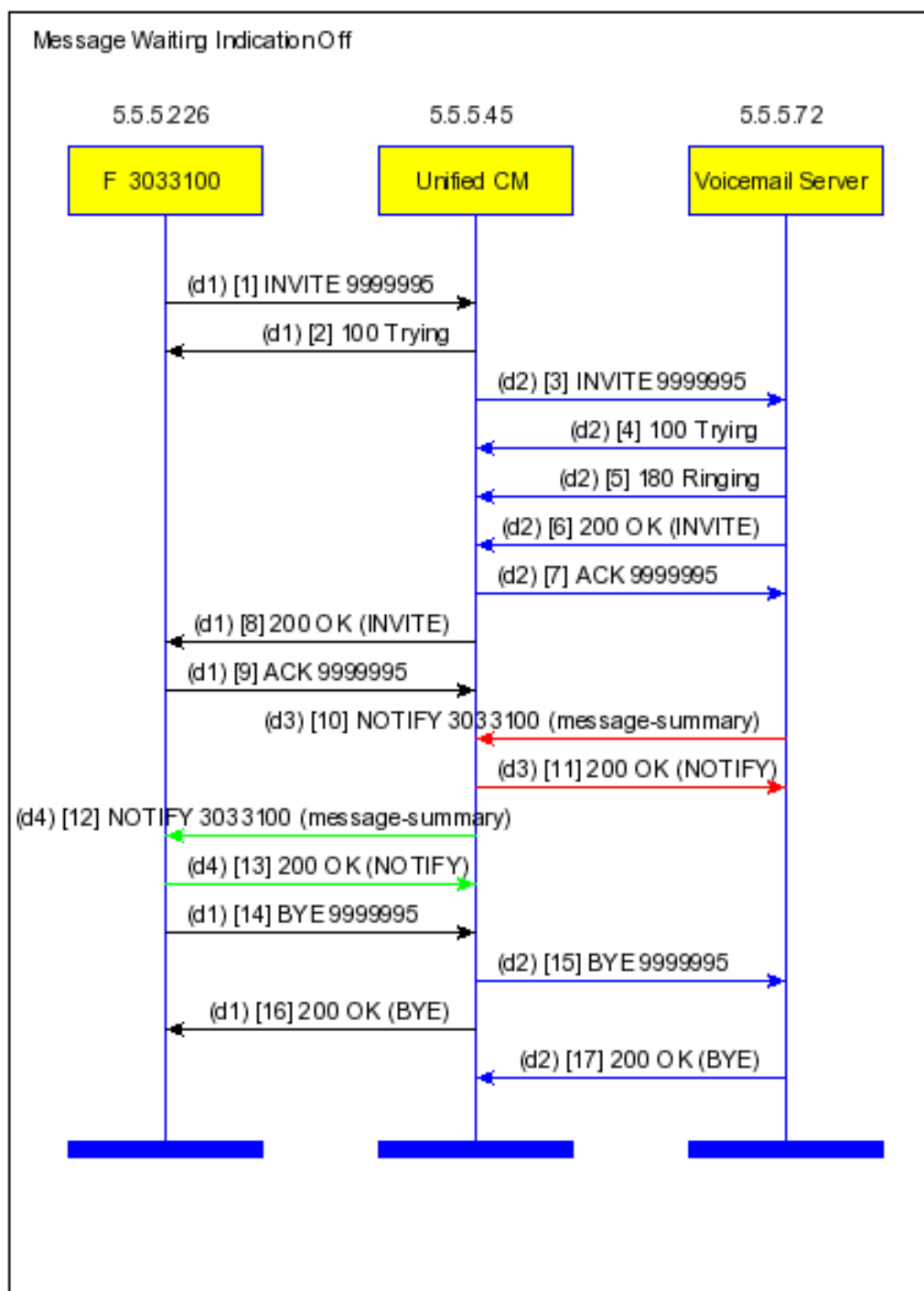
Voicemail server rings and answers

3033100 checks messages

Voicemail server notifies Unified CM of Phone F's MWI state

Unified CM notifies phone F of its MWI state

3033100 goes onhook



[diagram] Call-ID: [prev] [next]

[1] INVITE sip:9999995@titan-pub SIP/2.0

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK3757baca
 From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf000c7eca455c-28105222
 To: <sip:9999995@titan-pub>
 Call-ID: 000ab8f5-aadf000b-5aae5da3-0b59a4a4@5.5.5.226
 Max-Forwards: 70
 CSeq: 101 INVITE
 User-Agent: Cisco-CP7960G/8.0
 Contact: <sip:3033100@5.5.5.226:5060;transport=udp>
 Expires: 180
 Accept: application/sdp
 Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE
 Remote-Party-ID: "Tripti" <sip:3033100@titan-pub>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 270
 Content-Type: application/sdp
 Content-Disposition: session;handling=optional

v=0
 o=Cisco-SIPUA 15923 0 IN IP4 5.5.5.226
 s=SIP Call
 t=0 0
 m=audio 20854 RTP/AVP 0 8 18 101
 c=IN IP4 5.5.5.226
 a=rtpmap:0 PCMU/8000
 a=rtpmap:8 PCMA/8000
 a=rtpmap:18 G729/8000
 a=fmtp:18 annexb=no
 a=rtpmap:101 telephone-event/8000
 a=fmtp:101 0-15
 a=sendrecv

[diagram] Call-ID: [prev] [next]

[2] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK3757baca
 From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf000c7eca455c-28105222
 To: <sip:9999995@titan-pub>
 Date: Wed, 13 Jun 2007 21:06:06 GMT
 Call-ID: 000ab8f5-aadf000b-5aae5da3-0b59a4a4@5.5.5.226
 CSeq: 101 INVITE
 Allow-Events: presence
 Content-Length: 0

[diagram] Call-ID: [prev] [next]

[3] INVITE sip:9999995@janus-unity.sipnet5.com:5090 SIP/2.0

Via: SIP/2.0/TCP 5.5.5.45:5090;branch=z9hG4bKf1c8e99cf8
 Remote-Party-ID: "Tripti" <sip:3033100@5.5.5.45>;party=calling;screen=yes;privacy=off
 From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992608
 To: <sip:9999995@janus-unity.sipnet5.com>
 Date: Wed, 13 Jun 2007 21:06:06 GMT
 Call-ID: e553b880-67015c3e-154d-2d050505@5.5.5.45
 Supported: timer,replaces
 Min-SE: 1800
 User-Agent: Cisco-CCM6.0
 Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
 CSeq: 101 INVITE
 Contact: <sip:3033100@5.5.5.45:5090;transport=tcp>
 Expires: 180
 Allow-Events: presence
 Session-Expires: 1800
 Max-Forwards: 69
 Content-Length: 0

[diagram] Call-ID: [prev] [next]

[4] SIP/2.0 100 Trying

From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992608
 To: <sip:9999995@janus-unity.sipnet5.com>;tag=E661297A13B84AF8B2F6544DBCA39029
 Via: SIP/2.0/TCP 5.5.5.45:5090;branch=z9hG4bKf1c8e99cf8
 Call-ID: e553b880-67015c3e-154d-2d050505@5.5.5.45
 CSeq: 101 INVITE
 Content-Length: 0

[diagram] Call-ID: [prev] [next]

[5] SIP/2.0 180 Ringing

From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992608
 To: <sip:9999995@janus-unity.sipnet5.com>;tag=E661297A13B84AF8B2F6544DBCA39029
 Via: SIP/2.0/TCP 5.5.5.45:5090;branch=z9hG4bKf1c8e99cf8
 Call-ID: e553b880-67015c3e-154d-2d050505@5.5.5.45
 CSeq: 101 INVITE

Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[6] SIP/2.0 200 OK

From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992608
To: <sip:9999995@janus-unity.sipnet5.com>;tag=E661297A13B84AF8B2F6544DBCA39029
Via: SIP/2.0/TCP 5.5.5.45:5090;branch=z9hG4bKf1c8e99cf8
Contact: sip:9999995@5.5.5.72:5090
Call-ID: e553b880-67015c3e-154d-2d050505@5.5.5.45
CSeq: 101 INVITE
Content-Length: 247
Content-Type: application/sdp

v=0
o=5.5.5.72 190246172 190246172 IN IP4 5.5.5.72
s=No Subject
c=IN IP4 5.5.5.72
t=0 0
m=audio 22800 RTP/AVP 0 18 101
a=rtpmap:0 pcmu/8000
a=ptime:20
a=rtpmap:18 G729/8000
a=ptime:20
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[7] ACK sip:9999995@5.5.5.72:5090 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5090;branch=z9hG4bKf1d372a6b9a
From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992608
To: <sip:9999995@janus-unity.sipnet5.com>;tag=E661297A13B84AF8B2F6544DBCA39029
Date: Wed, 13 Jun 2007 21:06:06 GMT
Call-ID: e553b880-67015c3e-154d-2d050505@5.5.5.45
Max-Forwards: 70
CSeq: 101 ACK
Allow-Events: presence
Content-Type: application/sdp
Content-Length: 205

v=0
o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.226
t=0 0
m=audio 20854 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[8] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK3757baca
From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf000c7eca455c-28105222
To: <sip:9999995@titan-pub>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992607
Date: Wed, 13 Jun 2007 21:06:06 GMT
Call-ID: 000ab8f5-aadf000b-5aae5da3-0b59a4a4@5.5.5.226
CSeq: 101 INVITE
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, PUBLISH
Allow-Events: presence
Remote-Party-ID: <sip:9999995@5.5.5.45>;party=called;screen=yes;privacy=off
Contact: <sip:9999995@5.5.5.45:5060>
Supported: replaces
Content-Type: application/sdp
Content-Length: 204

v=0
o=CiscoSystemsCCM-SIP 2000 1 IN IP4 5.5.5.45
s=SIP Call
c=IN IP4 5.5.5.72
t=0 0
m=audio 22800 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=ptime:20
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[9] ACK sip:9999995@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK5d294e1f

From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf000c7eca455c-28105222
 To: <sip:9999995@titan-pub>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992607
 Call-ID: 000ab8f5-aadf000b-5aae5da3-0b59a4a4@5.5.5.226
 Max-Forwards: 70
 CSeq: 101 ACK
 User-Agent: Cisco-CP7960G/8.0
 Remote-Party-ID: "Tripti" <sip:3033100@titan-pub>;party=calling;id-type=subscriber;privacy=off;screen=yes
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[10] NOTIFY sip:3033100@5.5.5.45 SIP/2.0

From: sip:9999995@5.5.5.72:5090;tag=5D07731261164A77A59C48F1291A0D84
 To: sip:3033100@5.5.5.45
 Via: SIP/2.0/UDP 5.5.5.72:5090;branch=z9hG4bK62BF258CC25B4804B034476B603165E1
 Max-Forwards: 70
 Contact: sip:9999995@5.5.5.72:5090
 Call-ID: B02C6F48DC914CB09A5DD1BA65468F24@5.5.5.45
 CSeq: 300 NOTIFY
 Event: message-summary
 Content-Length: 22
 Content-Type: text/plain

Messages-Waiting: no

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[11] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.72:5090;branch=z9hG4bK62BF258CC25B4804B034476B603165E1
 From: sip:9999995@5.5.5.72:5090;tag=5D07731261164A77A59C48F1291A0D84
 To: sip:3033100@5.5.5.45;tag=211908509
 Date: Wed, 13 Jun 2007 21:06:28 GMT
 Call-ID: B02C6F48DC914CB09A5DD1BA65468F24@5.5.5.45
 CSeq: 300 NOTIFY
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[12] NOTIFY sip:3033100@5.5.5.226:5060;transport=udp SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf1e50a278c4
 From: <sip:3033100@5.5.5.45>;tag=1746528962
 To: <sip:3033100@5.5.5.226>
 Call-ID: f270a780-67015c54-154e-2d050505@5.5.5.45
 CSeq: 101 NOTIFY
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 21:06:28 GMT
 User-Agent: Cisco-CCM6.0
 Event: message-summary
 Subscription-State: active
 Contact: <sip:3033100@5.5.5.45:5060>
 Content-Type: application/simple-message-summary
 Content-Length: 22

Messages-Waiting: no

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[13] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf1e50a278c4
 From: <sip:3033100@5.5.5.45>;tag=1746528962
 To: <sip:3033100@5.5.5.226>
 Call-ID: f270a780-67015c54-154e-2d050505@5.5.5.45
 CSeq: 101 NOTIFY
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[14] BYE sip:9999995@5.5.5.45:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK702000b3
 From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf000c7eca455c-28105222
 To: <sip:9999995@titan-pub>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992607
 Call-ID: 000ab8f5-aadf000b-5aae5da3-0b59a4a4@5.5.5.226
 Max-Forwards: 70
 CSeq: 102 BYE
 User-Agent: Cisco-CP7960G/8.0
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[15] BYE sip:9999995@5.5.5.72:5090 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5090;branch=z9hG4bKf1f6c8bf4cd
 From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992608
 To: <sip:9999995@janus-unity.sipnet5.com>;tag=E661297A13B84AF8B2F6544DBCA39029
 Date: Wed, 13 Jun 2007 21:06:06 GMT
 Call-ID: e553b880-67015c3e-154d-2d050505@5.5.5.45
 User-Agent: Cisco-CCM6.0

Max-Forwards: 70
CSeq: 102 BYE
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[16] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK702000b3
From: "Tripti" <sip:3033100@titan-pub>;tag=000ab8f5aadf000c7eca455c-28105222
To: <sip:9999995@titan-pub>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992607
Date: Wed, 13 Jun 2007 21:06:47 GMT
Call-ID: 000ab8f5-aadf000b-5aae5da3-0b59a4a4@5.5.5.226
CSeq: 102 BYE
Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[17] SIP/2.0 200 OK

From: "Tripti" <sip:3033100@5.5.5.45>;tag=59767ab7-7931-49bc-8b8e-166d4f2cee02-28992608
To: <sip:9999995@janus-unity.sipnet5.com>;tag=E661297A13B84AF8B2F6544DBCA39029
Via: SIP/2.0/UDP 5.5.5.45:5090;branch=z9hG4bKf1f6c8bf4cd
Call-ID: e553b880-67015c3e-154d-2d050505@5.5.5.45
CSeq: 102 BYE
Content-Length: 0

9.3 Message Waiting Indication On at Registration

Title: Message Waiting Indication On at Registration

Description:

Line 3033100 on phone F has voicemail configured with one or more messages currently waiting. Note this phone may have lines other than 3033100. However this scenario focuses on Line 3033100.

When phone F first registers line 3033100 (either when it's created or after a power cycles, for example) Unified CM will inform the phone of line 3033100's MWI state.

In this case, Unified CM will send a NOTIFY containing a "Messages-Waiting: yes" body for Line 3033100.

Configuration:

Node = Unified CM, IP = 5.5.5.45

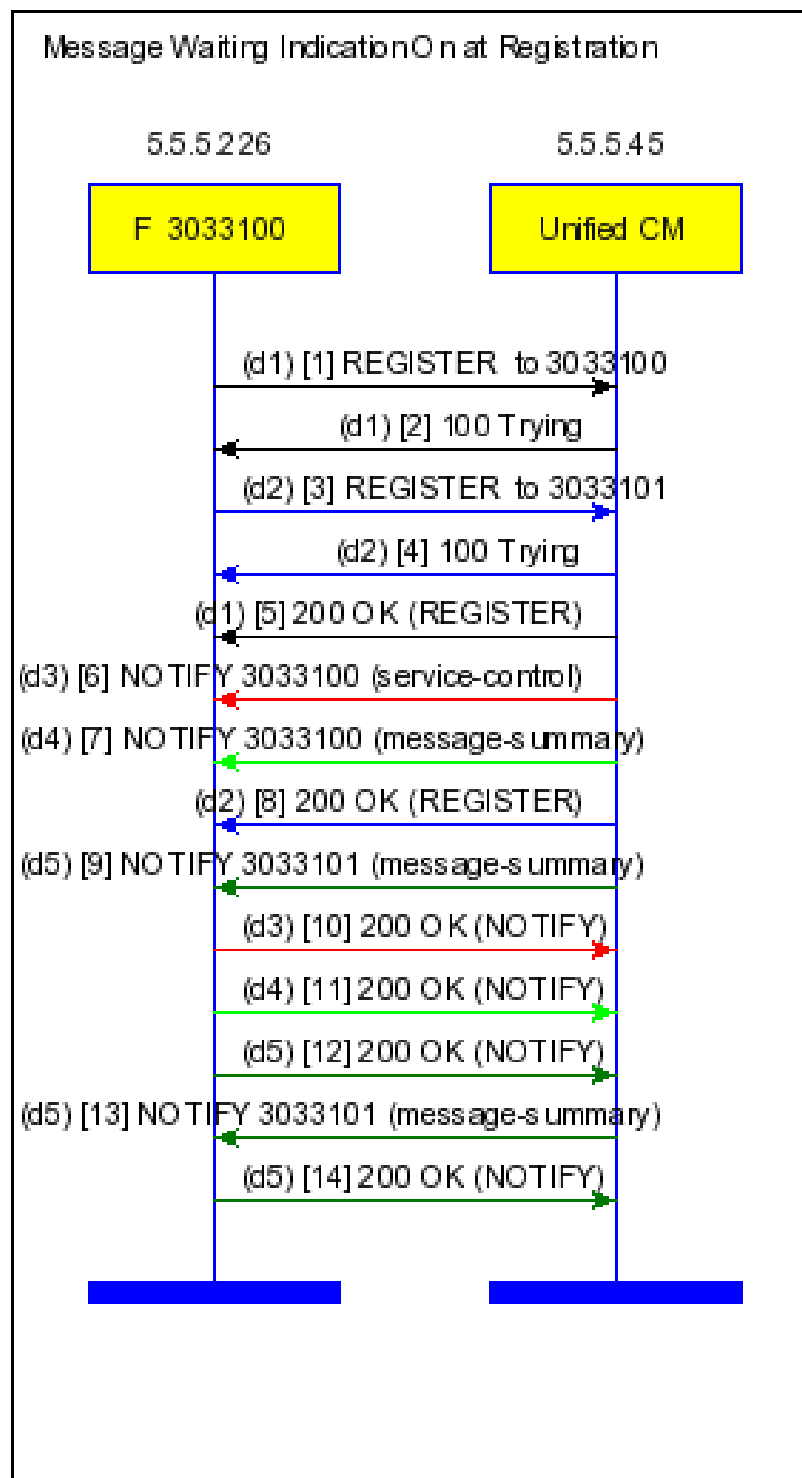
Phone = F, Line = 3033100, IP = 5.5.5.226, Model = Cisco Unified IP Phone 7960 (SIP)

Scenario:

Phone F is powered on

Phone F gets NOTIFY with "Messages-Waiting: yes" for line 3033100.

(See Registration section for complete details)



[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[1] REGISTER sip:titan-pub SIP/2.0

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK33df99ea
 From: <sip:3033100@titan-pub>;tag=000ab8f5aadf0002332f01b9-264ec9f6
 To: <sip:3033100@titan-pub>
 Call-ID: 000ab8f5-aadf0003-6ae62a1e-281a3955@5.5.5.226
 Max-Forwards: 70
 CSeq: 101 REGISTER
 User-Agent: Cisco-CP7960G/8.0
 Contact: <sip:3033100@5.5.5.226:5060;transport=udp>;+sip.instance="<urn:uuid:00000000-0000-0000-0000-000ab8f5aadf>";+u.sip!model.ccm.cisco.com="7"
 Supported: replaces,join,norefersub
 Content-Length: 0
 Expires: 3600

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[2] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK33df99ea
 From: <sip:3033100@titan-pub>;tag=000ab8f5aadf0002332f01b9-264ec9f6
 To: <sip:3033100@titan-pub>
 Date: Wed, 13 Jun 2007 21:02:51 GMT
 Call-ID: 000ab8f5-aadf0003-6ae62a1e-281a3955@5.5.5.226
 CSeq: 101 REGISTER
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[3] REGISTER sip:titan-pub SIP/2.0

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK53cc955c
 From: <sip:3033101@titan-pub>;tag=000ab8f5aadf00032b576e6a-2a0497bc
 To: <sip:3033101@titan-pub>
 Call-ID: 000ab8f5-aadf0004-4df16151-60dd376c@5.5.5.226
 Max-Forwards: 70
 CSeq: 101 REGISTER
 User-Agent: Cisco-CP7960G/8.0
 Contact: <sip:3033101@5.5.5.226:5060;transport=udp>;+sip.instance="<urn:uuid:00000000-0000-0000-0000-000ab8f5aadf>";+u.sip!model.ccm.cisco.com="7"
 Supported: replaces,join,norefersub
 Content-Length: 0
 Expires: 3600

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[4] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK53cc955c
 From: <sip:3033101@titan-pub>;tag=000ab8f5aadf00032b576e6a-2a0497bc
 To: <sip:3033101@titan-pub>
 Date: Wed, 13 Jun 2007 21:02:52 GMT
 Call-ID: 000ab8f5-aadf0004-4df16151-60dd376c@5.5.5.226
 CSeq: 101 REGISTER
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[5] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK33df99ea
 From: <sip:3033100@titan-pub>;tag=000ab8f5aadf0002332f01b9-264ec9f6
 To: <sip:3033100@titan-pub>;tag=187132146
 Date: Wed, 13 Jun 2007 21:02:51 GMT
 Call-ID: 000ab8f5-aadf0003-6ae62a1e-281a3955@5.5.5.226
 CSeq: 101 REGISTER
 Expires: 120
 Contact: <sip:3033100@5.5.5.226:5060;transport=udp>;+sip.instance="<urn:uuid:00000000-0000-0000-0000-000ab8f5aadf>";+u.sip!model.ccm.cisco.com="7"
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)

[6] NOTIFY sip:3033100@5.5.5.226:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf164dfb5a7a
 From: <sip:5.5.5.45>;tag=300963332
 To: <sip:3033100@5.5.5.226>
 Call-ID: 71b1ab80-67015b7c-1546-2d050505@5.5.5.45
 CSeq: 101 NOTIFY
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 21:02:52 GMT
 User-Agent: Cisco-CCM6.0
 Event: service-control
 Subscription-State: active
 Contact: <sip:5.5.5.45:5060>
 Content-Type: text/plain
 Content-Length: 179

action=check-version

```
RegisterCallId={000ab8f5-aadf0003-6ae62a1e-281a3955@5.5.5.226}
ConfigVersionStamp={1181166291-f66c9e7d-8c4b-4f61-ae70-3cde8c0f4f46}
DialplanVersionStamp={}
```

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)
[7] NOTIFY sip:3033100@5.5.5.226:5060;transport=udp SIP/2.0
 Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf1726ba422e
 From: <sip:3033100@5.5.5.45>;tag=807189001
 To: <sip:3033100@5.5.5.226>
 Call-ID: 71b1ab80-67015b7c-1547-2d050505@5.5.5.45
 CSeq: 101 NOTIFY
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 21:02:52 GMT
 User-Agent: Cisco-CCM6.0
 Event: message-summary
 Subscription-State: active
 Contact: <sip:3033100@5.5.5.45:5060>
 Content-Type: application/simple-message-summary
 Content-Length: 23

Messages-Waiting: yes

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)
[8] SIP/2.0 200 OK
 Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK53cc955c
 From: <sip:3033101@titan-pub>;tag=000ab8f5aadf00032b576e6a-2a0497bc
 To: <sip:3033101@titan-pub>;tag=1494399989
 Date: Wed, 13 Jun 2007 21:02:52 GMT
 Call-ID: 000ab8f5-aadf0004-4df16151-60dd376c@5.5.5.226
 CSeq: 101 REGISTER
 Expires: 900
 Contact: <sip:3033101@5.5.5.226:5060;transport=udp>;+sip.instance="urn:uuid:00000000-0000-0000-0000-000ab8f5aadf">;+u.sip!model.ccm.cisco.com="7"
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)
[9] NOTIFY sip:3033101@5.5.5.226:5060;transport=udp SIP/2.0
 Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf185464d96e
 From: <sip:3033101@5.5.5.45>;tag=30857015
 To: <sip:3033101@5.5.5.226>
 Call-ID: 71b1ab80-67015b7c-1548-2d050505@5.5.5.45
 CSeq: 101 NOTIFY
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 21:02:52 GMT
 User-Agent: Cisco-CCM6.0
 Event: message-summary
 Subscription-State: active
 Contact: <sip:3033101@5.5.5.45:5060>
 Content-Type: application/simple-message-summary
 Content-Length: 22

Messages-Waiting: no

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)
[10] SIP/2.0 200 OK
 Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf164dfb5a7a
 From: <sip:5.5.5.45>;tag=300963332
 To: <sip:3033100@5.5.5.226>
 Call-ID: 71b1ab80-67015b7c-1546-2d050505@5.5.5.45
 CSeq: 101 NOTIFY
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)
[11] SIP/2.0 200 OK
 Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf1726ba422e
 From: <sip:3033100@5.5.5.45>;tag=807189001
 To: <sip:3033100@5.5.5.226>
 Call-ID: 71b1ab80-67015b7c-1547-2d050505@5.5.5.45
 CSeq: 101 NOTIFY
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#) [\[next\]](#)
[12] SIP/2.0 200 OK
 Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf185464d96e
 From: <sip:3033101@5.5.5.45>;tag=30857015
 To: <sip:3033101@5.5.5.226>
 Call-ID: 71b1ab80-67015b7c-1548-2d050505@5.5.5.45
 CSeq: 101 NOTIFY
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)
[13] NOTIFY sip:3033101@5.5.5.226:5060;transport=udp SIP/2.0
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf185464d96e
From: <sip:3033101@5.5.5.45>;tag=30857015
To: <sip:3033101@5.5.5.226>
Call-ID: 71b1ab80-67015b7c-1548-2d050505@5.5.5.45
CSeq: 101 NOTIFY
Max-Forwards: 70
Date: Wed, 13 Jun 2007 21:02:52 GMT
User-Agent: Cisco-CCM6.0
Event: message-summary
Subscription-State: active
Contact: <sip:3033101@5.5.5.45:5060>
Content-Type: application/simple-message-summary
Content-Length: 22

Messages-Waiting: no

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)
[14] SIP/2.0 200 OK
Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf185464d96e
From: <sip:3033101@5.5.5.45>;tag=30857015
To: <sip:3033101@5.5.5.226>
Call-ID: 71b1ab80-67015b7c-1548-2d050505@5.5.5.45
CSeq: 101 NOTIFY
Content-Length: 0

9.4 Message Waiting Indication Off at Registration

Title: Message Waiting Indication Off at Registration

Description:

Line 3033100 on phone F has voicemail configured with no messages currently waiting. Note this phone may have lines other than 3033100. However this scenario focuses on Line 3033100.

When phone F first registers line 3033100 (either when it's created or after a power cycles, for example) Unified CM will inform the phone of line 3033100's MWI state.

In this case, Unified CM will send a NOTIFY containing a "Messages-Waiting: no" body for Line 3033100.

Configuration:

Node = Unified CM, IP = 5.5.5.45

Phone = F, Line = 3033100, IP = 5.5.5.226, Model = Cisco Unified IP Phone 7960 (SIP)

Scenario:

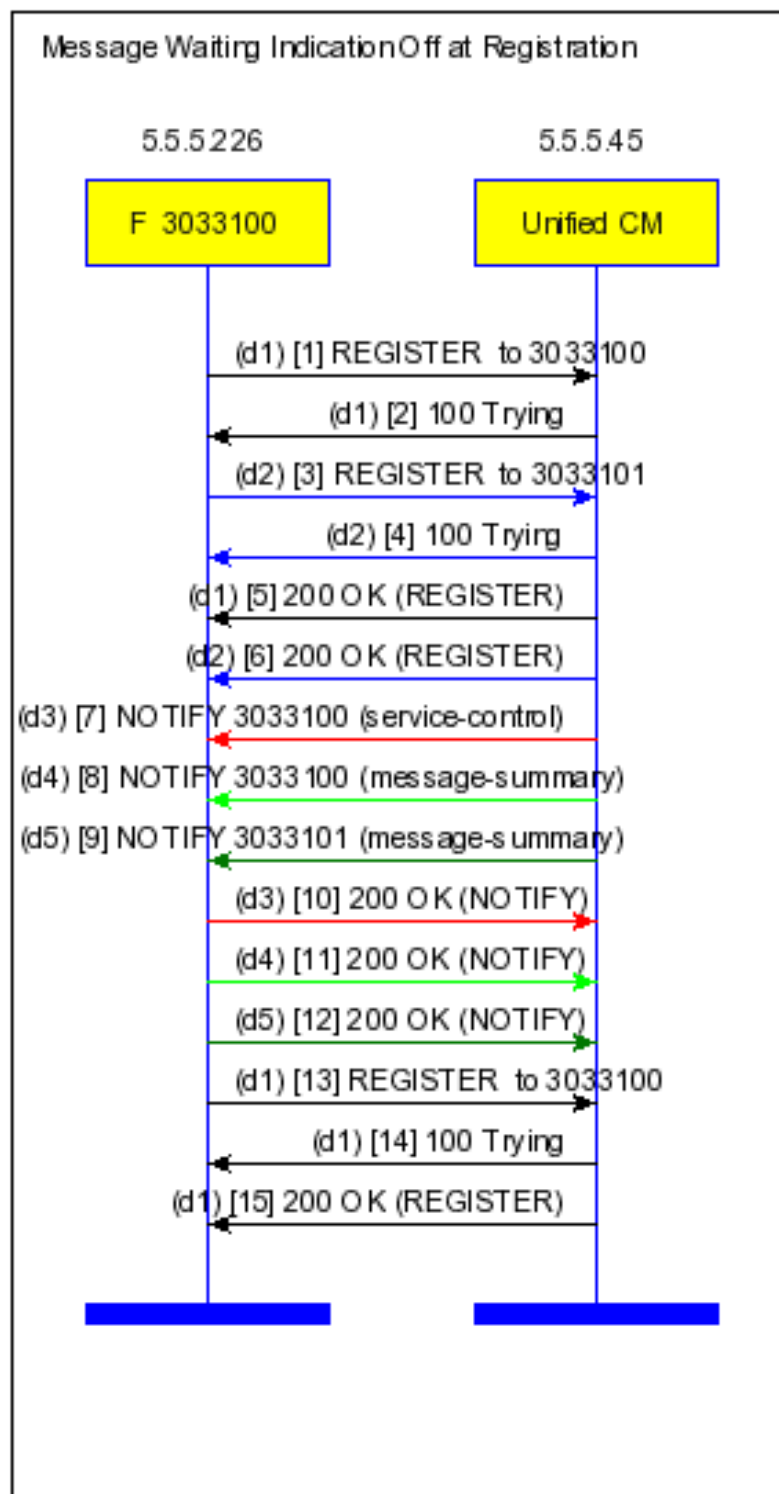
Phone F is powered on

Phone F gets NOTIFY with "Messages-Waiting: no"

(See Registration section for complete details)

Note:

The audio/telephone-event content type is binary. Currently, this content is not formatted into ASCII and displayed in the detailed messages. Instead, you will see "{binary content not shown}" in place of the actual binary content.



[\[diagram\]](#) [Call-ID: \[prev\]](#) [\[next\]](#)

[1] REGISTER sip:titan-pub SIP/2.0

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK6553eae2
 From: <sip:3033100@titan-pub>;tag=000ab8f5aadf00026cd0b2e3-7f6cb1af
 To: <sip:3033100@titan-pub>
 Call-ID: 000ab8f5-aadf0003-6067ff24-7dca309b@5.5.5.226
 Max-Forwards: 70
 CSeq: 101 REGISTER
 User-Agent: Cisco-CP7960G/8.0
 Contact: <sip:3033100@5.5.5.226:5060;transport=udp>;+sip.instance="<urn:uuid:00000000-0000-0000-0000-000ab8f5aadf>";+u.sip!model.ccm.cisco.com="7"
 Supported: replaces,join,norefersub
 Content-Length: 0
 Expires: 3600

[\[diagram\]](#) [Call-ID: \[prev\]](#) [\[next\]](#)

[2] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK6553eae2
 From: <sip:3033100@titan-pub>;tag=000ab8f5aadf00026cd0b2e3-7f6cb1af
 To: <sip:3033100@titan-pub>
 Date: Wed, 13 Jun 2007 20:43:09 GMT
 Call-ID: 000ab8f5-aadf0003-6067ff24-7dca309b@5.5.5.226
 CSeq: 101 REGISTER
 Content-Length: 0

[\[diagram\]](#) [Call-ID: \[prev\]](#) [\[next\]](#)

[3] REGISTER sip:titan-pub SIP/2.0

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK4de97657
 From: <sip:3033101@titan-pub>;tag=000ab8f5aadf00034eb8f934-131c9c10
 To: <sip:3033101@titan-pub>
 Call-ID: 000ab8f5-aadf0004-6aefc9de-680b7834@5.5.5.226
 Max-Forwards: 70
 CSeq: 101 REGISTER
 User-Agent: Cisco-CP7960G/8.0
 Contact: <sip:3033101@5.5.5.226:5060;transport=udp>;+sip.instance="<urn:uuid:00000000-0000-0000-0000-000ab8f5aadf>";+u.sip!model.ccm.cisco.com="7"
 Supported: replaces,join,norefersub
 Content-Length: 0
 Expires: 3600

[\[diagram\]](#) [Call-ID: \[prev\]](#) [\[next\]](#)

[4] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK4de97657
 From: <sip:3033101@titan-pub>;tag=000ab8f5aadf00034eb8f934-131c9c10
 To: <sip:3033101@titan-pub>
 Date: Wed, 13 Jun 2007 20:43:09 GMT
 Call-ID: 000ab8f5-aadf0004-6aefc9de-680b7834@5.5.5.226
 CSeq: 101 REGISTER
 Content-Length: 0

[\[diagram\]](#) [Call-ID: \[prev\]](#) [\[next\]](#)

[5] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK6553eae2
 From: <sip:3033100@titan-pub>;tag=000ab8f5aadf00026cd0b2e3-7f6cb1af
 To: <sip:3033100@titan-pub>;tag=148912339
 Date: Wed, 13 Jun 2007 20:43:09 GMT
 Call-ID: 000ab8f5-aadf0003-6067ff24-7dca309b@5.5.5.226
 CSeq: 101 REGISTER
 Expires: 120
 Contact: <sip:3033100@5.5.5.226:5060;transport=udp>;+sip.instance="<urn:uuid:00000000-0000-0000-0000-000ab8f5aadf>";+u.sip!model.ccm.cisco.com="7"
 Content-Length: 0

[\[diagram\]](#) [Call-ID: \[prev\]](#) [\[next\]](#)

[6] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK4de97657
 From: <sip:3033101@titan-pub>;tag=000ab8f5aadf00034eb8f934-131c9c10
 To: <sip:3033101@titan-pub>;tag=1489329750
 Date: Wed, 13 Jun 2007 20:43:09 GMT
 Call-ID: 000ab8f5-aadf0004-6aefc9de-680b7834@5.5.5.226
 CSeq: 101 REGISTER
 Expires: 900
 Contact: <sip:3033101@5.5.5.226:5060;transport=udp>;+sip.instance="<urn:uuid:00000000-0000-0000-0000-000ab8f5aadf>";+u.sip!model.ccm.cisco.com="7"
 Content-Length: 0

[\[diagram\]](#) [Call-ID: \[prev\]](#) [\[next\]](#)

[7] NOTIFY sip:3033100@5.5.5.226:5060 SIP/2.0

Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf0c6e72961a
 From: <sip:5.5.5.45>;tag=174597727

To: <sip:3033100@5.5.5.226>
 Call-ID: b0923200-670156dd-152d-2d050505@5.5.5.45
 CSeq: 101 NOTIFY
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 20:43:09 GMT
 User-Agent: Cisco-CCM6.0
 Event: service-control
 Subscription-State: active
 Contact: <sip:5.5.5.45:5060>
 Content-Type: text/plain
 Content-Length: 179

action=check-version
 RegisterCallId={000ab8f5-aadf0003-6067ff24-7dca309b@5.5.5.226}
 ConfigVersionStamp={1181166291-f66c9e7d-8c4b-4f61-ae70-3cde8c0f4f46}
 DialplanVersionStamp={}

[[diagram](#)] Call-ID: [[prev](#)][[next](#)]
[8] NOTIFY sip:3033100@5.5.5.226:5060;transport=udp SIP/2.0
 Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf0d1caf65dd
 From: <sip:3033100@5.5.5.45>;tag=90156378
 To: <sip:3033100@5.5.5.226>
 Call-ID: b0923200-670156dd-152e-2d050505@5.5.5.45
 CSeq: 101 NOTIFY
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 20:43:09 GMT
 User-Agent: Cisco-CCM6.0
 Event: message-summary
 Subscription-State: active
 Contact: <sip:3033100@5.5.5.45:5060>
 Content-Type: application/simple-message-summary
 Content-Length: 22

Messages-Waiting: no

[[diagram](#)] Call-ID: [[prev](#)][[next](#)]
[9] NOTIFY sip:3033101@5.5.5.226:5060;transport=udp SIP/2.0
 Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf0e57d65344
 From: <sip:3033101@5.5.5.45>;tag=959074941
 To: <sip:3033101@5.5.5.226>
 Call-ID: b0923200-670156dd-152f-2d050505@5.5.5.45
 CSeq: 101 NOTIFY
 Max-Forwards: 70
 Date: Wed, 13 Jun 2007 20:43:09 GMT
 User-Agent: Cisco-CCM6.0
 Event: message-summary
 Subscription-State: active
 Contact: <sip:3033101@5.5.5.45:5060>
 Content-Type: application/simple-message-summary
 Content-Length: 22

Messages-Waiting: no

[[diagram](#)] Call-ID: [[prev](#)][[next](#)]
[10] SIP/2.0 200 OK
 Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf0c6e72961a
 From: <sip:5.5.5.45>;tag=174597727
 To: <sip:3033100@5.5.5.226>
 Call-ID: b0923200-670156dd-152d-2d050505@5.5.5.45
 CSeq: 101 NOTIFY
 Content-Length: 0

[[diagram](#)] Call-ID: [[prev](#)][[next](#)]
[11] SIP/2.0 200 OK
 Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf0d1caf65dd
 From: <sip:3033100@5.5.5.45>;tag=90156378
 To: <sip:3033100@5.5.5.226>
 Call-ID: b0923200-670156dd-152e-2d050505@5.5.5.45
 CSeq: 101 NOTIFY
 Content-Length: 0

[[diagram](#)] Call-ID: [[prev](#)][[next](#)]
[12] SIP/2.0 200 OK
 Via: SIP/2.0/UDP 5.5.5.45:5060;branch=z9hG4bKf0e57d65344
 From: <sip:3033101@5.5.5.45>;tag=959074941
 To: <sip:3033101@5.5.5.226>
 Call-ID: b0923200-670156dd-152f-2d050505@5.5.5.45
 CSeq: 101 NOTIFY
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[13] REGISTER sip:titan-pub SIP/2.0

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK1540e798
 From: <sip:3033100@titan-pub>;tag=000ab8f5aadf000a75bd434d-7b9cdb84
 To: <sip:3033100@titan-pub>
 Call-ID: 000ab8f5-aadf0003-6067ff24-7dca309b@5.5.5.226
 Max-Forwards: 70
 CSeq: 102 REGISTER
 User-Agent: Cisco-CP7960G/8.0
 Contact: <sip:3033100@5.5.5.226:5060;transport=udp>;+sip.instance="urn:uuid:00000000-0000-0000-0000-000ab8f5aadf">;+u.sip!model.ccm.cisco.com="7"
 Supported: replaces,join,norefersub
 Content-Length: 0
 Expires: 3600

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[14] SIP/2.0 100 Trying

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK1540e798
 From: <sip:3033100@titan-pub>;tag=000ab8f5aadf000a75bd434d-7b9cdb84
 To: <sip:3033100@titan-pub>
 Date: Wed, 13 Jun 2007 20:45:05 GMT
 Call-ID: 000ab8f5-aadf0003-6067ff24-7dca309b@5.5.5.226
 CSeq: 102 REGISTER
 Content-Length: 0

[\[diagram\]](#) Call-ID: [\[prev\]](#)[\[next\]](#)

[15] SIP/2.0 200 OK

Via: SIP/2.0/UDP 5.5.5.226:5060;branch=z9hG4bK1540e798
 From: <sip:3033100@titan-pub>;tag=000ab8f5aadf000a75bd434d-7b9cdb84
 To: <sip:3033100@titan-pub>;tag=1794340294
 Date: Wed, 13 Jun 2007 20:45:05 GMT
 Call-ID: 000ab8f5-aadf0003-6067ff24-7dca309b@5.5.5.226
 CSeq: 102 REGISTER
 Expires: 120
 Contact: <sip:3033100@5.5.5.226:5060;transport=udp>;+sip.instance="urn:uuid:00000000-0000-0000-0000-000ab8f5aadf">;+u.sip!model.ccm.cisco.com="7"
 Content-Length: 0