



# Release Notes for Cisco SIP and MGCP IP Phone 7940/7960 Release 3.1

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## Contents

This document lists the known problems in the Cisco Session Initiation Protocol (SIP) and Media Gateway Control Protocol (MGCP) IP Phone 7940/7960 Version 3.1 and contains information about the Cisco SIP and MGCP IP Phone 7940/7960 (hereafter referred to as the Cisco SIP IP phone or Cisco MGCP IP phone) that was not included in the most recent release of the phone documentation.

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# New and Changed Information

## New Software Features in Release 3.1

### Authentication Name Length

The length of the authentication name field has been changed from 31 characters to 50 characters.

**Note**

The display does not allow you to edit a 50-character string. The long authentication name must be maintained on the TFTP server configuration file only. Attempting to edit the authentication name from the display panel truncates the string at 31 characters. The phone must be rebooted to recover the original value.

### Semi-Attended Transfer Capability

The ability to disable semi-attended transfer using the `semi_attended_transfer` configuration parameter has been added.

### Telnet Capability

The ability to disable Telnet using the `telnet_level` configuration parameter has been added to provide greater security.

## Installation Notes

For both Cisco SIP IP phones and Cisco MGCP IP phones, follow the instructions in the “Upgrading the Cisco SIP IP Phone Firmware” section at the following URL:

[http://www.cisco.com/univercd/cc/td/doc/product/voice/c\\_ipphon/sip7960/sipadm30/maintain.htm](http://www.cisco.com/univercd/cc/td/doc/product/voice/c_ipphon/sip7960/sipadm30/maintain.htm)

For these instructions, use P0S3-03-1-00 as the image name for version 3.1.

## Caveats

### Open Caveats - Release 3.1

- **CSCds35841:** When in overview mode, the Cisco SIP IP phone soft keys do not work.

**Applies to:** SIP.

**Problem Description:** Pressing a line button during a call displays the overview screen on which there is located a Redial and NewCall soft key. However, these soft keys are ignored by the phone if pressed.

**Recommended Action:** Return to the call screen. Wait 8 seconds for the call screen to reappear or press the line button again.

- **CSCdu68091:** No support for configurable action tag in REGISTER Contact.  
**Applies to:** SIP.  
**Problem Description:** When the phone sends a REGISTER message it does not attach an action= tag to the Contact header. This can lead to mismatched registrations when another client registers with the same user ID because the 7960/7940 is always treated as action=none.  
**Recommended Action:** Configure the other client to have action=none to avoid mismatched registrations.
- **CSCdv90788:** MWI/Ringer lamp lights briefly when answering call waiting call.  
**Applies to:** SIP and MGCP.  
**Problem Description:** When more than one call is active or on hold and a new call comes in on a different line, the message waiting indicator (MWI) lamp lights briefly after answering the call.  
**Recommended Action:** None.
- **CSCdw40309:** Multiple hookflashes cause speaker pops.  
**Applies to:** SIP and MGCP.  
**Problem Description:** Multiple instances of onhook and offhook with the handset causes the speaker to pop or sometimes be enabled.  
**Recommended Action:** None.
- **CSCdu02920—**Address Resolution Protocol (ARP) cache does not update correctly.  
**Applies to:** SIP and MGCP.  
**Problem Description:** During a phone call, the control server is failed over to the backup. The new Active control server sends a RQNT message to the Cisco IP phone, but the Cisco IP phone still has the MAC address of the old control server so it replies to the old control server.  
**Recommended Action:** None.

## Resolved Caveats - Release 3.1

- **CSCdw59439—**Contact header should not be used prior to 200 Rec.
- **CSCdw80802—**When the phone sends an invite (or any message with Session Description Protocol [SDP]) there should be one attribute line for the codec specified in the m: line.
- **CSCdw59431—**User authname and password are limited to 31 characters.
- **CSCdw72263—**Transfer while ringing (semi-attended) needs to be configurable.
- **CSCdw61930—**Multiple duplicate entries in personal directory.
- **CSCdw17617—**Backup proxy display message occurs while using primary proxy.
- **CSCdw72253—**Need to add 7940 audit string.
- **CSCdw68518/CSCdw68516—**Anonymous Call Block fails due to case sensitive anonymous.
- **CSCdw71694—**Telnet cannot be disabled.
- **CSCdw75223—**Cisco MGCP IP phone reboots with extensive User Datagram Protocol (UDP) traffic.
- **CSCdw74640—**Cannot hang up after call fails with Cisco MGX8850.
- **CSCdv89740—**Telnet session may close prematurely.

- **CSCdw86448**—Audio/Video Transport (AVT) packets being sent at 10 ms while duration reflects 20 ms.
- **CSCdw93758**—AVT marker bit set multiple times when using the G.729 codec.
- **CSCdx01732**—Conference call with voice activity detection (VAD) enabled causes digital signal processor (DSP) problems.
- **CSCdx00609**—The \*\*\*\* in password hiding varies in length.
- **CSCdx00780**—Phone gets into a continuous reboot loop after reset.
- **CSCdw91038**—Reset should be under privileged Telnet access.
- **CSCdx04477**—The first G.729A & VAD call after a conference call results in no RTP.

## Documentation Updates

### New Configuration Parameters

These new configuration parameters apply to the following documents:

- “Modifying the Phone’s SIP Settings” section in the “Managing Cisco SIP IP Phones” chapter of the *Cisco SIP IP Phone 7940/7960 Administrator Guide, Version 3.0*.
- “Using Configuration Files” section in the “Configuring the Cisco MGCP IP Phone” chapter of the *Cisco MGCP IP Phone Reference Guide*.

The following rows are added to Table 3-2 in the *Cisco SIP IP Phone 7940/7960 Administrator Guide, Version 3.0*:

Configuration File	SIP Configuration Menu	Network Configuration Menu	Services Menu
semi_attended_transfer	NA	NA	NA
telnet_level	NA	NA	NA

The following rows are added to Table 3-3 in the *Cisco SIP IP Phone 7940/7960 Administrator Guide, Version 3.0*, and Table 4-2 in the *Cisco MGCP IP Phone Reference Guide*:

Parameter	Required or Optional	Description
semi_attended_transfer	Optional	<p>Specifies if a semi-attended transfer is allowed. In a semi-attended transfer, Phone A calls Phone B. Phone B answers, and decides to transfer the call to Phone C. If Phone B completes the transfer while phone C is still ringing, it is called a semi-attended transfer.</p> <p>Some proxies do not handle this transaction properly; if necessary, you can disable this parameter.</p> <p>Set to <b>1</b> to enable (default) and <b>0</b> to disable.</p>
telnet_level	Optional	<p>Enables or disables telnet access to the IP phone.</p> <p>Valid values are:</p> <ul style="list-style-type: none"> <li>• 0—disabled (the default value)</li> <li>• 1—enabled</li> <li>• 2—privileged. The difference between enabled and privileged is that the following CLI commands are only available in the privileged mode: <ul style="list-style-type: none"> <li>– <b>test</b></li> <li>– <b>reset</b></li> <li>– <b>show dump</b></li> <li>– <b>show strpool</b></li> <li>– <b>show personaldir</b></li> </ul> </li> </ul> <p>To see which mode the phone is using, enter the <b>tty</b> command.</p> <p><b>Note</b> The phone must be rebooted after changing this parameter in order for it to take effect.</p>

## Related Documentation

- [Cisco SIP IP Phone Administrator Guide Version 3.0](#)
- [Cisco MGCP IP Phone Reference Guide](#)
- [Cisco IP Phone 7960 and 7940 Series at a Glance](#)
- [Regulatory Compliance and Safety Information for the Cisco IP Phone 7960, 7940, and 7910 Series](#)
- [Installing the Wall Mount Kit for the Cisco IP Phone](#)

# Obtaining Documentation

The following sections explain how to obtain documentation from Cisco Systems.

## World Wide Web

You can access the most current Cisco documentation on the World Wide Web at the following URL:

<http://www.cisco.com>

Translated documentation is available at the following URL:

[http://www.cisco.com/public/countries\\_languages.shtml](http://www.cisco.com/public/countries_languages.shtml)

## Documentation CD-ROM

Cisco documentation and additional literature are available in a Cisco Documentation CD-ROM package, which is shipped with your product. The Documentation CD-ROM is updated monthly and may be more current than printed documentation. The CD-ROM package is available as a single unit or through an annual subscription.

## Ordering Documentation

Cisco documentation is available in the following ways:

- Registered Cisco.com users (Cisco direct customers) can order Cisco product documentation from the Networking Products MarketPlace:  
[http://www.cisco.com/cgi-bin/order/order\\_root.pl](http://www.cisco.com/cgi-bin/order/order_root.pl)
- Registered Cisco.com users can order the Documentation CD-ROM through the online Subscription Store:  
<http://www.cisco.com/go/subscription>
- Nonregistered Cisco.com users can order documentation through a local account representative by calling Cisco corporate headquarters (California, USA) at 408 526-7208 or, elsewhere in North America, by calling 800 553-NETS (6387).

## Documentation Feedback

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Cisco Systems  
Attn: Document Resource Connection  
170 West Tasman Drive  
San Jose, CA 95134-9883

We appreciate your comments.

## Obtaining Technical Assistance

Cisco provides Cisco.com as a starting point for all technical assistance. Customers and partners can obtain documentation, troubleshooting tips, and sample configurations from online tools by using the Cisco Technical Assistance Center (TAC) Web Site. Cisco.com registered users have complete access to the technical support resources on the Cisco TAC Web Site.

### Cisco.com

Cisco.com is the foundation of a suite of interactive, networked services that provides immediate, open access to Cisco information, networking solutions, services, programs, and resources at any time, from anywhere in the world.

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- Resolve technical issues with online support
- Download and test software packages
- Order Cisco learning materials and merchandise
- Register for online skill assessment, training, and certification programs

You can self-register on Cisco.com to obtain customized information and service. To access Cisco.com, go to the following URL:

<http://www.cisco.com>

## Technical Assistance Center

The Cisco TAC is available to all customers who need technical assistance with a Cisco product, technology, or solution. Two types of support are available through the Cisco TAC: the Cisco TAC Web Site and the Cisco TAC Escalation Center.

Inquiries to Cisco TAC are categorized according to the urgency of the issue:

- Priority level 4 (P4)—You need information or assistance concerning Cisco product capabilities, product installation, or basic product configuration.
- Priority level 3 (P3)—Your network performance is degraded. Network functionality is noticeably impaired, but most business operations continue.

- Priority level 2 (P2)—Your production network is severely degraded, affecting significant aspects of business operations. No workaround is available.
- Priority level 1 (P1)—Your production network is down, and a critical impact to business operations will occur if service is not restored quickly. No workaround is available.

Which Cisco TAC resource you choose is based on the priority of the problem and the conditions of service contracts, when applicable.

## Cisco TAC Web Site

The Cisco TAC Web Site allows you to resolve P3 and P4 issues yourself, saving both cost and time. The site provides around-the-clock access to online tools, knowledge bases, and software. To access the Cisco TAC Web Site, go to the following URL:

<http://www.cisco.com/tac>

All customers, partners, and resellers who have a valid Cisco services contract have complete access to the technical support resources on the Cisco TAC Web Site. The Cisco TAC Web Site requires a Cisco.com login ID and password. If you have a valid service contract but do not have a login ID or password, go to the following URL to register:

<http://www.cisco.com/register/>

If you cannot resolve your technical issues by using the Cisco TAC Web Site, and you are a Cisco.com registered, you can open a case online by using the TAC Case Open tool at the following URL:

<http://www.cisco.com/tac/caseopen>

If you have Internet access, it is recommended that you open P3 and P4 cases through the Cisco TAC Web Site.

## Cisco TAC Escalation Center

The Cisco TAC Escalation Center addresses issues that are classified as priority level 1 or priority level 2; these classifications are assigned when severe network degradation significantly impacts business operations. When you contact the TAC Escalation Center with a P1 or P2 problem, a Cisco TAC engineer will automatically open a case.

To obtain a directory of toll-free Cisco TAC telephone numbers for your country, go to the following URL:

<http://www.cisco.com/warp/public/687/Directory/DirTAC.shtml>

Before calling, please check with your network operations center to determine the level of Cisco support services to which your company is entitled; for example, SMARTnet, SMARTnet Onsite, or Network Supported Accounts (NSA). In addition, please have available your service agreement number and your product serial number.



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This document is to be used in conjunction with the documents listed in the [“Related Documentation”](#) section.

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