Avaya one-X® Deskphone H.323 Release 3.2.2 Readme

This file is the Readme for the Avaya one-X® Deskphone H.323 Release 3.2.1 (H.323 3.2.2) software for the 9620, 9620C, 9620L, 9630, 9630G, 9640, 9640G, 9650, 9650C and 9670G IP Deskphones. This file describes the contents of the February 2014 software distribution package.

H.323 3.2.2 software is supported on the 9620, 9620C, 9620L, 9630, 9630G, 9640, 9640G, 9650, 9650C and 9670G IP Deskphones. The software will not load or operate on any other models. **H.323 3.2.2 software is specifically not supported on the 9610 IP Deskphone.**

This release supersedes all previous Avaya one-X® Deskphone H.323 releases. Avaya recommends that all customers upgrade both new and installed IP Deskphones to this version at their earliest convenience.

### Avaya Servers Compatibility

<table>
<thead>
<tr>
<th>Servers</th>
<th>Supported versions</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Avaya Aura® Communication Manager (CM)</strong></td>
<td>5.2.1 and higher</td>
<td>Avaya recommends using the latest Communication Manager release with these models of IP Deskphones in order to take advantage of the greatest functionality and quality. See the “Communication Manager Software &amp; Firmware Compatibility Matrix” at <a href="http://support.avaya.com">http://support.avaya.com</a> for the supported software/firmware versions of the Media Server, Media Gateway, and circuit packs. The 9670 is not natively supported on CM. You must administer the 9670 as a 9630. For more details refer to the H.323 configuration section in the Communication Manager Administration Guide which can be downloaded from <a href="http://support.avaya.com">http://support.avaya.com</a>.</td>
</tr>
<tr>
<td><strong>Avaya IP Office (IPO)</strong></td>
<td>6.0 or later and IP500 V2 hardware only</td>
<td>Note that the H.323 3.2.1 software may not be included in the latest IP Office/B5800 Service Pack. IP Deskphone software is included in the IP Office software download available from <a href="http://support.avaya.com">http://support.avaya.com</a>. Refer to the IP Office Technical Bulletin(s) / B5800 Release Note(s) for details on specific IP Office software compatibility and the included version of IP Deskphone software.</td>
</tr>
<tr>
<td><strong>Avaya B5800 Branch Gateway (B5800)</strong></td>
<td>6.1 or later</td>
<td></td>
</tr>
</tbody>
</table>

**New features in H.323 3.2.2**

There is no new functionality with this release.
There are no changes to documentation with this release of software. The following documentation list is included for reference.

- Avaya one-X Deskphone Edition for 9600 IP Telephones Administrator Guide Release 3.2
- VPN Setup Guide for 9600 Series IP Telephones Releases 3.1 and 6.2
- Avaya one-X Deskphone H.323 for 9620, 9620C, and 9620L IP Deskphone User Guide
- Avaya one-X Deskphone H.323 for 9630 and 9630G IP Deskphone User Guide
- Avaya one-X Deskphone H.323 for 9640 and 9640G IP Deskphone User Guide
- Avaya one-X Deskphone H.323 for 9650 and 9650C IP Deskphone User Guide
- Avaya one-X Deskphone H.323 for 9670G IP Deskphone User Guide
- Avaya one-X Deskphone H.323 for 9620, 9620C, and 9620L IP Deskphone Quick Reference Guide
- Avaya one-X Deskphone H.323 for 9650 IP Deskphone Quick Reference Guide
- Avaya one-X Deskphone H.323 for 9670 IP Deskphone Quick Reference Guide

This documentation is available on http://support.avaya.com under “9600 Series IP Deskphones” -> “H.323 3.2.x” -> Documents.
# Issues resolved with H.323 3.2.2

H.323 3.2.2 provides fixes to issues not resolved in prior releases. This software release is based on H.323 3.2.1 and generally includes fixes for customer found issues.

Customers who are using interim patches must consult with Avaya prior to upgrading to this software to ensure that the content of their patch has been included with this version. Failure to take this precaution could lead to the re-appearance of a previously-resolved issue.

Issues resolved in this release include:

<table>
<thead>
<tr>
<th>External ID</th>
<th>Internal ID</th>
<th>Issue Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Reboot / Lockup</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NA</td>
<td>H32396X0-4860</td>
<td>9670G reboots if dns server provides incorrect IP address for <a href="http://www.worldweatheronline.com">www.worldweatheronline.com</a> and World Clock Application is accessed.</td>
</tr>
<tr>
<td>NA</td>
<td>H32396X0-4938</td>
<td>Phone in VPN mode reboots when the extension is taken over on IPO 9.0.</td>
</tr>
<tr>
<td>NA</td>
<td>H32396X0-4746</td>
<td>Phone in VPN mode reboots if MCIPADD is not configured.</td>
</tr>
<tr>
<td><strong>User Interface</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1-4465694255</td>
<td>H32396X0-4931</td>
<td>Search in WML App Metadir using dialpad is not working.</td>
</tr>
<tr>
<td>NA</td>
<td>H32396X0-4803</td>
<td>Contact is added, edited or deleted although station lock feature is active on phone.</td>
</tr>
<tr>
<td>1-4671348401</td>
<td>H32396X0-4993</td>
<td>Contact pairing does not work for Log Unseen calls.</td>
</tr>
<tr>
<td>1-25M2GIF</td>
<td>H32396X0-4995</td>
<td>9670G - WORLD CLOCK does not print accurate data for cities outside of U.S./Canada.</td>
</tr>
<tr>
<td><strong>Audio</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1-24HUE17</td>
<td>H32396X0-4979</td>
<td>Users with headsets sometimes report hearing a beep noise.</td>
</tr>
<tr>
<td><strong>Administration</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NA</td>
<td>H32396X0-4604</td>
<td>Call log is not restored when ENABLE_CALL_LOG is set to 0.</td>
</tr>
<tr>
<td>NA</td>
<td>H32396X0-4760</td>
<td>9670G ignores RINGTONESTYLE settings parameter.</td>
</tr>
<tr>
<td>NA</td>
<td>H32396X0-4892</td>
<td>HTTPS backup/restore failed after rebooting the phone.</td>
</tr>
<tr>
<td>1-4408594886</td>
<td>H32396X0-4937</td>
<td>Phone ignores DOT1XWAIT settings parameter.</td>
</tr>
<tr>
<td><strong>Security</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1-248SZ9L</td>
<td>H32396X0-4981</td>
<td>Login password is inadvertently displayed for milliseconds during Visiting User log in.</td>
</tr>
<tr>
<td>NA</td>
<td>H32396X0-4974</td>
<td>SHA2-signed certificates cannot be used.</td>
</tr>
<tr>
<td><strong>SA9120 – Turn On Mute for Remote Off-hook Attempt</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NA</td>
<td>H32396X0-4924</td>
<td>Mute incorrectly turns off without manual intervention if two calls are made and the second call is released. <strong>NOTE:</strong> Also requires CM : vcm-016-03.0.124.0 patch 21053</td>
</tr>
<tr>
<td>NA</td>
<td>H32396X0-4998</td>
<td>Mute LED remains when it should not be.</td>
</tr>
<tr>
<td>NA</td>
<td>H32396X0-4999</td>
<td>Mute LED remains on in case of multiple calls.</td>
</tr>
</tbody>
</table>

Avaya Aura Conferencing
### Release Notes for H.323 3.2.2

Customers who are using interim patches must consult with Avaya prior to upgrading to this software to ensure that the content of their patch has been included with this version. Failure to take this precaution could lead to the re-appearance of a previously-resolved issue.

<table>
<thead>
<tr>
<th>External ID</th>
<th>Issue Description</th>
<th>Solution, Remedy, Notes or Workaround (if exist)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA</td>
<td>When using Avaya Aura Conferencing 7.2.2 with SRTP, a user who dials into the conference bridge before the moderator arrives will hear noise when the moderator opens the bridge.</td>
<td></td>
</tr>
<tr>
<td>H32396X0-4942</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NA</td>
<td>Deskphones cannot download new Voice Initiated Dialing dictionary files, using HTTPS, if the user changes the Voice Initiated Dialing language.</td>
<td></td>
</tr>
<tr>
<td>H32396X0-4204</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NA</td>
<td>Phybridge adaptors reboot with phones upgraded to 3.2.1 software.</td>
<td></td>
</tr>
<tr>
<td>H32396X0-4953</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NA</td>
<td>RTCP Goodbye packets are not sent correctly.</td>
<td></td>
</tr>
<tr>
<td>H32396X0-4949</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Voice Initiated Dialing

- Deskphones cannot download new Voice Initiated Dialing dictionary files, using HTTPS, if the user changes the Voice Initiated Dialing language.

### Non-Avaya Products - Interworking

- Phybridge adaptors reboot with phones upgraded to 3.2.1 software.
- RTCP Goodbye packets are not sent correctly.

### Upgrades

- Using a Utility Server for upgrading IP Deskphones
  - ‘GOTO’ keywords in the 96xxupgrade.txt should all be in lower case. Refer to the 96xxupgrade.txt file packaged with the release, for an example.

### Networking

- Customers running Avaya one-X® Deskphone H.323 Release 3.1 SP2 (R3.102S) software who use 802.1x for authenticating their IP Deskphones on their network, i.e. they have 802.1x Supplicant enabled on their phones, should NOT upgrade directly to H.323 3.2. Upgrading to H.323 3.2 will cause the Supplicant on their IP Deskphones to be turned OFF, with the result that they will no longer be able to connect to the data network. This advisory does NOT apply to customers who do not use 802.1x to authenticate IP Deskphones (i.e. the Supplicant on their phones is turned OFF) but instead use it to authenticate devices connected to the network via the secondary Ethernet port on the IP Deskphones. Such customers can safely upgrade to H.323 3.2.
- Customers running Avaya one-X® Deskphone H.323 Release 3.1 SP2 (3.102S) software and use 802.1x for authenticating the phones on their network require a two-step upgrade process:
  2. Upgrade next to Release 3.2.

### User Interface

- When in Edit Dialing Mode, a "#" gets added to the end of the dialed number.
<table>
<thead>
<tr>
<th>External ID</th>
<th>Internal ID</th>
<th>Issue Description</th>
<th>Solution, Remedy, Notes or Workaround (if exist)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA</td>
<td>NA</td>
<td>Dates and times specified in certificates are in Greenwich Mean or Universal Time (GMT/UT) but the deskphone does not know the offset of its local clock relative to GMT/UT, so renewal is initiated assuming that there is no offset, which may result in renewal starting up to 12 hours earlier or later than the specified time.</td>
<td>Certificate renewal is initiated when the date and time of the deskphone's local clock reaches (or exceeds, if the deskphone starts up after) the date and time that corresponds to the expiration of a percentage of the certificate's valid lifetime (as specified in the certificate's Validity object) that is equal to the value of MYCERTRENEW. Since certificate lifetimes are typically on the order of a year or more, ignoring the offset relative to GMT/UT is expected to be well within the precision of the value of MYCERTRENEW. However, if a certificate with a very short lifetime is used for testing purposes, it should be assumed that the local time is GMT/UT. Even though the value of MYCERTRENEW is allowed to be set to values that correspond to from 1% to 99% of the certificate's lifetime, SCEP servers typically do not expect, and may reject, renewal requests that are received before at least 50% of the certificate's lifetime has expired. Setting MYCERTRENEW to values less than 50 is supported for testing purposes, but corresponding server administration may be required.</td>
</tr>
<tr>
<td>NA</td>
<td>H32396X0-4634</td>
<td>Phone doesn’t renew certificate, if in unnamed registration since CM doesn’t send date/time updates to endpoints registered in unnamed mode.</td>
<td>This requires a CM enhancement tracked by GRIP 10143</td>
</tr>
<tr>
<td>NA</td>
<td>H32396X0-4826</td>
<td>Use of 802.1x authentication with EAP-TLS and a Microsoft RADIUS server and IP Deskphones with one-X® H.323 release 3.1.4 or later software will pass their MAC address as the identity when doing 802.1x authentication using EAP-TLS. Microsoft RADIUS servers require that the CN in the certificate of the supplicant match their identity.</td>
<td>Administrators should set the MYCERTCN parameter in the settings.txt file to the MAC address of the IP Deskphone using the $MACADDR macro. If the MYCERTCN is set to any other value, then 802.1x authentication using EAP-TLS will fail since the Microsoft RADIUS server will reject the identity certificate of the IP Deskphone.</td>
</tr>
</tbody>
</table>
H.323 3.2.2 Package Content

The H.323 3.2.2 package contains all the files necessary to upgrade Avaya new or previously installed IP Deskphones to the H.323 3.2.2 software release.

The following files are included in each package:

- hb96xxua3_2_2A.bin - signed binary for Boot Burner Application for all but 9670G IP Deskphone
- hb9670ua3_2_2A.bin - signed binary for Boot Burner Application for 9670G IP Deskphone
- ha96xxua3_2_2A.bin - signed binary for IP Deskphone Application for all but 9670G IP Deskphone
- ha9670ua3_2_2A.bin - signed binary for IP Deskphone Application for 9670G IP Deskphone
- ha96xxua3_1_05_S.bin - signed binary for Phone Application for 9610 model
- hb96xxua3_1_05_S.bin - signed binary for Boot Burner Application for 9610 model
- 96xxupgrade.txt – To upgrade to this release, you must change your 96xxupgrade.txt file.

The sample upgrade script that is included in this package is generic, in that it will upgrade all existing 9600 phones (except the 9610) to this maintenance release.

Any 9610 IP Deskphone will only upgrade to the 3.1.5 Maintenance Release, since that is the last supported software release on these phones.

If you have other phones that are using this script for other software upgrades and installations, ensure that you note the changes between the scripts.

Make a backup copy of your current upgrade script, and incorporate the binary name changes for this release into your 96xxupgrade.txt file.

If you are going to modify your 46xxsettings file, make a backup copy of this file, and incorporate the feature changes for this release.

- Sixteen predefined language files for phone display:
  - mlf_S31_v76_arabic.txt
  - mlf_S31_v76_chinese.txt
  - mlf_S31_v76_dutch.txt
  - mlf_S31_v76_english_large.txt
  - mlf_S31_v76_french_can.txt
  - mlf_S31_v76_french_paris.txt
  - mlf_S31_v76_german.txt
  - mlf_S31_v76_hebrew.txt
  - mlf_S31_v76_italian.txt
  - mlf_S31_v76_japanese.txt
  - mlf_S31_v76_korean.txt
  - mlf_S31_v76_portuguese.txt
  - mlf_S31_v76_russian.txt
  - mlf_S31_v76_spanish.txt
  - mlf_S31_v76_spanish_latin.txt
  - mlf_S31_v76_template_english.txt

- Eight Language and Grammar files for Voice Initiated Dialing (VID) Feature
  - DUN_S20_v3.tar (Dutch).
  - ENG_S20_v3.tar (UK English)
  - ENU_S20_v3.tar (US English)
  - FRF_S20_v3.tar (Parisian French)
  - GED_S20_v3.tar (German)
  - ITI_S20_v3.tar (Italian)
  - PTB_S20_v3.tar (Brazilian Portuguese)
  - SPE_S20_v3.tar (Spanish)
NOTE - The VID files used with H.323 3.2 software and the VID files used with H.323 6.x software (for 9608/9611G/9621G/9641G IP Deskphones) are different. In a mixed environment, ensure that your 46xxsettings.txt file is configured to provide the correct files for the different models of IP Deskphones.

- av_prca_pem_2033.txt - Avaya Product Root CA certificate with an expiration date of 2033.
- release.xml

The signatures in the signatures subdirectory of the zipped distribution packages are only intended to be used by the file server, and the file server that is on the CM 6.x Utility Server is the only file server that currently supports this.

The current 46xxsettings.txt file is available for separate download at [http://support.avaya.com](http://support.avaya.com) and should be used if you want to set any of the new system specific parameters to non-default values.

The H.323 3.2.2 package is available in the following version:
- 96xx-IPT-H323-R3_2_2-122713.zip
- 96xx-IPT-H323-R3_2_2-122713.tar
Release History -  H.323 3.1.x/3.2.x Software

The following table provides a history of the H.323 3.1/3.2 software releases. The "ID" columns shows the identifier of this software which will be seen on the "About Avaya one-X" menu item.

<table>
<thead>
<tr>
<th>Release</th>
<th>ID</th>
<th>Date</th>
<th>Link to Readme file</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.1.1</td>
<td>S3.110b</td>
<td>March 2010</td>
<td><a href="http://support.avaya.com/css/P8/documents/100077293">http://support.avaya.com/css/P8/documents/100077293</a></td>
</tr>
<tr>
<td>3.1 Service Pack 1</td>
<td>S3.101S</td>
<td>September 2010</td>
<td><a href="http://support.avaya.com/css/P8/documents/100110607">http://support.avaya.com/css/P8/documents/100110607</a></td>
</tr>
<tr>
<td>3.1 Service Pack 2</td>
<td>S3.102S</td>
<td>March 2011</td>
<td><a href="http://support.avaya.com/css/P8/documents/100129848">http://support.avaya.com/css/P8/documents/100129848</a></td>
</tr>
<tr>
<td>3.1 Service Pack 3</td>
<td>S3.103S</td>
<td>November 2011</td>
<td><a href="http://support.avaya.com/css/P8/documents/100151332">http://support.avaya.com/css/P8/documents/100151332</a></td>
</tr>
<tr>
<td>3.1 Service Pack 4</td>
<td>S3.104S</td>
<td>March 2012</td>
<td><a href="http://support.avaya.com/css/P8/documents/100157813">http://support.avaya.com/css/P8/documents/100157813</a></td>
</tr>
<tr>
<td>3.1.5</td>
<td>S3.105S</td>
<td>August 2012</td>
<td><a href="http://support.avaya.com/css/P8/documents/100164663">http://support.avaya.com/css/P8/documents/100164663</a></td>
</tr>
<tr>
<td>3.2.0</td>
<td>S3.2</td>
<td>January 2013</td>
<td><a href="http://support.avaya.com/css/P8/documents/100169011">http://support.avaya.com/css/P8/documents/100169011</a></td>
</tr>
<tr>
<td>3.2.1</td>
<td>S3.210A</td>
<td>September 2013</td>
<td><a href="http://support.avaya.com/css/P8/documents/100173977">http://support.avaya.com/css/P8/documents/100173977</a></td>
</tr>
<tr>
<td>3.2.2</td>
<td>S3.220A</td>
<td>February 2014</td>
<td><a href="http://support.avaya.com/css/P8/documents/100178236">http://support.avaya.com/css/P8/documents/100178236</a></td>
</tr>
</tbody>
</table>
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