Polycom 8020/8030 SRP Release Notes

Version: 122.025
Based on: 122.024
Build date: 1/6/2012

Versions

Component	Version	Filename
USBDL	113.010	pd14udsp.bin
OTADL	119.088	pd14odsp.bin
SHIM	119.088	pd14shsp.bin
Functional Code	122.025	pd14csp.bin
Phintl	123.025	pi1400sp.bin

New Features

- Added support for new Spansion flash/ram part.

Fixes

Bug	Description
WTC-1683	Move manufacturing code into shim.
WTC-1894	Selftest power down keytone, audio routing, and DL icon bugs.
WTC-2425	Page Mode compatible SRP has issues which will block release to manufacturing
WTC-2550	New Flash/RAM memory chip support
WTC-2592	Display goes all dark in selftest

Known Issues

Bug	Description

Polycom 8020/ 8030 SRP Release Notes

Version: 122.024
Based on: 122.023
Build date: 9/12/2011

Versions

Component	Version	Filename
USBDL	113.009	pd14udsp.bin
OTADL	119.086	pd14odsp.bin
SHIM	119.086	pd14shsp.bin
Functional Code	122.024	pd14csp.bin
Phintl	123.024	pi1400sp.bin

New Features

- Support for Rev C phone hardware
- OTADL SHIM renamed pd14shsp.bin.

Fixes

Bug	Description
WTC-1894	Selftest power down keytone, audio routing, and DL icon bugs.
WTC-1927	Translations need to be in all columns of the given language.
WTC-2056	Phones locking up after about 5 minutes in self test mode

Known Issues

Bug	Description

Polycom SRP Release Notes Version 122.023. Built on 10/29/2009.

This is a release load based on version 122.021.

Versions

Component	Version	Filename
USBDL	113.007	pd14udsp.bin
OTADL	119.067	pd14odsp.bin
SHIM	119.067	pd14shim.bin
Functional Code	122.023	pd14csp.bin
Phintl	123.023	pi1400sp.bin

New Features

- OAI Graphics
- Emergency Call
- Enhancements to behavior when in a charger
  - Backlight comes on for 60 seconds when phone is placed in a charger
  - Phone beeps when placed in a charger and when removed
- 802.1X Authentication
  - EAP-FAST
    - Phase 0 Unauthenticated Provisioning (ease of use)
    - Phase 2 PAC Refresh
    - Manual Provisioning through HAT (more secure than Phase 0)
  - PEAP-MSCHAPv2
    - Full Certificate Authentication
    - Certificates from 512 bit to 4096 bit (512 or 1024 bit recommended for optimal performance)
    - Certificate enrollment through HAT
  - RADIUS Servers Validated

- Cisco Secure Access Control Server (ACS) ,v4.1
- Juniper Networks Steel-belted RADIUS Enterprise Edition, v6.1
- Microsoft Internet Security and Acceleration (ISA) Server 2003 and 2006 (recommended)
- FreeRADIUS, v2.0.1 (recommended) and v1.1.7
- Fast Roaming for 802.1X Security
  - Cisco Centralized Key Management (CCKM)
  - Opportunistic Key Caching (OKC)
- DSCP Tag customization
  - Voice Traffic
  - Control Traffic
- IP Fragmentation Support
- Enhanced diagnostics to support new security features
- Enhanced syslog reports to support new security features
- Enhanced site survey diagnostics to support new security features

Fixes

Bug	Description
ESCWIRE-17	Svc Esc (469840): A root certificate was loaded on the phone but was not able to correctly ID a cert from that CA that was generated for the radius servers (was WTC-1464)
ESCWIRE-18	Svc Esc (473391): syslog times reported by phones may be off. Trace seen on Alpha network phone (was WTC-1504)
ESCWIRE-31	Spectralink 8020 SIP: No speech path between handset and station IP-PBX-
ESCWIRE-37	Assert memory.c ln 576 in USB
ESCWIRE-62	WT powers on in charger or does not charge WT consistently
WTC-112	PTT Roaming Issues
WTC-172	Speaker Phone Softkey Active with Headset on Power Up
WTC-197	When phone is in charger, display is sometimes only battery bars
WTC-284	The OTADL no longer uses the profile settings to determine when to generate a key press tone in the OTADL menus or warning tones on failures in the OTADL...
WTC-358	arb.c Line: 00863
WTC-535	memory.c line 00968 assert error displayed on WT's screen
WTC-548	Svc Esc (423433): Audio gaps when roaming A-radio OEM (Q01919459)
WTC-587	dial plan options set from handset admin menus allow out of range value to be set
WTC-607	Add functionality to prevent phones that are unregistered from continuously checking in to the OAI
WTC-609	Incorrect DSCP tag value for DHCP traffic
WTC-685	Assert: keys.c line 249
WTC-701	Channel 13 mistakenly removed from reg domain 5
WTC-704	src/dialer.c line 00620 displayed on WT's screen.

WTC-731	Dropped calls and Lost AP handoffs when stationary
WTC-789	When set "^" as protected speed dial character and use down volume button, it shows "V" instead of "^"
WTC-797	Default power setting is 5mw, should be 30mw
WTC-801	tspec.c line 1128 or memory 966 assert during high SVP utilization
WTC-802	Phone had high clear talk count, improved by a restore defaults
WTC-813	Beep sound heard continuously while coming out from CFG menu by pressing END key.
WTC-883	Phone is not displaying "No Reg Domain Set" on performing Restore Defaults on the phone
WTC-887	Call gets disconnected and WT shows "No Net Found".
WTC-940	Intermittent "Can't Renew DHCP"
WTC-992	Svc Esc (441476): PTT audio issue using Cisco lightweight APs
WTC-1009	Phone cannot connect sometimes in DHCP and WPA or WPA2
WTC-1011	LCD code not rendering icon correctly.
WTC-1013	PTT makes key tone while in cfg menus; should make no sound
WTC-1026	Audio frames sent in AC3 (voice) prior to an acceptance of ADDTS
WTC-1084	Writing character "0" to a softkey with OAI causes rest of softkeys not to be displayed
WTC-1085	ASSERT: memory.c line 994
WTC-1088	PTT Becomes Disconnected
WTC-1100	Phone transmitting PTT traffic stops transmission after a handoff and reboots
WTC-1114	PTT Priority while in Cfg menu leaves a remnant on the screen
WTC-1117	AP Controlled Tx Power result reported on diagnostic screen is incorrect
WTC-1159	Demo screens for OAI capabilities
WTC-1173	Svc Esc (452956): Phone responds to ARP request before it recieves in IP from the DHCP server with host address of 0.0.0.0
WTC-1191	PTT: Handoff Audio Gap
WTC-1195	PTT: PTT packets sent with DSCP value of 46
WTC-1197	Svc Esc (452255): OAI message not displayed and call back not working after recieving alert in voice active call
WTC-1198	OAI: Softkeys from OAI session are retained on display once phone transitions to standby after OAI session
WTC-1204	OAI ring indicator icon does not turn off when send End Call
WTC-1211	DSCP tagging in SVP mode does not use the administered DSCP tags (In Call, Standby)
WTC-1250	Svc Esc (456674) I2C battery errors
WTC-1258	OTADL: Run Site Survey hangs with message "Waiting..."
WTC-1264	IP phones should not re-register when getting heartbeat ACK code 0 (which means App Pgm not logged in)
WTC-1265	IP phones incorrectly send PT Event 0x84 if get OAI Send Keys or Set Softkeys

	while phone is ringing for OAI call
WTC-1283	Assert: vmac_isr.c line 471
WTC-1304	Phone displays No SVP Response instead of Service Rejected
WTC-1325	Display problems when WT shows "Cert invalid" or "Cert expired"
WTC-1345	Standby softkeys retained when answer priority OAI call that was received while in a PBX call
WTC-1355	dhcp_saveSname() in dhcp.c has a memory leak
WTC-1397	Svc Esc (469259): Phone lockup in standby
WTC-1401	DHCP_GetOption() len variable not initialized and memory leak in dhcpSktDataAction()
WTC-1410	Add OAI Graphics support to SRP handset
WTC-1426	Add 60 second backlight on for charger insertion
WTC-1445	Svc Esc (469847): SLL Sweden fixes for WTC-548 were not included in Peoria loads
WTC-1489	Svc Esc (472895): Phone behavior is unfriendly when phone can't find the network while in the charger
WTC-1507	Add audible tone when phone is placed in charger
WTC-1538	Charger Error with extremely low battery in charger
WTC-1546	Set Graphics Area command on SRP always writes a multiple of 8 pixels, padding with 0s, even when user asks for less
WTC-1588	During an OAI Session, Incoming PBX ring icon continues to flash on PT after incoming call has been terminated
WTC-1595	Time display is off by an hour
WTC-1598	Assert memory.c line 576 caused by OAI
WTC-1601	In OAI, text boxes in layout for large font are incorrect and overlay the separator line for the icons
WTC-1605	Retry of PSPOLL should not have retry bit set in frame control word
WTC-1626	After WTA transmits a Priority PTT, the 5th line displays an Ext.
WTC-1657	Handsets with PTT enabled tend to hand off with reason 25 Lost AP
WTC-1685	Need to add Graphics, Healthcare and Alerts Demos to SRP

Known Issues

Bug	Description

Polycom SRP Release Notes (v122.021) – 01/08/09

This is a release load.

Versions

USBDL	113.005	pd14udsp.bin

OTADL   119.049   pd14odsp.bin
Functional Code   122.021   pd14csp.bin
Phintl   122.021   pi1400sp.bin

New Features

- Supports time zones not on full hour increments.
- Phone will vibrate three times at the start of a PTT call if configured to do so.
- Regulatory domain 8 support

Fixes

- WTC-75: When assigning a speed dial with an empty phone book, get memory.c assert line 579.
- WTC-82: Phones stops sending and responding to packets for 400ms when in call
- WTC-106: Protected Speed Dial ^ (volume up/down button) doesn't work.
- WTC-204: Audio gaps and not handing off to better AP.
- WTC-217: TC WT will not associate when Information Element 255 with 0 length exists in beacon/probe response.
- WTC-221: RTLS phrases not translated for Italian.
- WTC-266: Still some problems with phonebook search matching artificial entry <new> WT-45
- WTC-276: Phonebook accepts a new entry with no phone number set AVPU-03.
- WTC-289: Regulatory domain fixes to latest specification.
- WTC-314: Phone displays No PBX Reponse when attempting to checkin in with Meru AP 208.
- WTC-337: Enhancement: Support time zones that are not at an hour offset.
- WTC-358: arb.c Line: 00863.
- WTC-368: Syslog output of SRP phone inaccuratly displaying missed count,
- WTC-405: Certain Time Zone Settings result in 2 or even 3 time zones being selected as the active time zone. Time displays in the format set to the hour.
- WTC-479: Distorted voice when using PTT,
- WTC-548: Audio gaps when roaming on A-radio.
- WTC-601: Problems with including current AP as a DCA candidate.
- WTC-607: Add functionality to prevent phones that are unregistered from continuously checking in to the OAI.
- WTC-611: PTT does not roam well.
- WTC-678: Phone should vibrate before PTT call could start.
- WTC-742: The Volume Up/Down buttons do not scroll through the Speed Dial menu.
- WTC-763: memory.c Line 00575 000000d6 000XXXXX received on 4 phones while running Buffered Multicast Capacity Testing.
- WTC-789: When set "^" as protected speed dial character and use down volume button, it shows "V" instead of "^".
- WTC-790: memory.c Line: 00575.
- WTC-861: Timestamps on received packets are inaccurate.
- WTC-875: Phones are having too many handoffs in capacity tests.
- WTC-905: Locked Message No Longer On display when keys are locked.

Known Issues

None

Polycom SRP External Release Notes (v122.020 07/07/08)

This is a release load.

Versions

USBDL	113.005	pd14udsp.bin
OTADL	119.045	pd14odsp.bin
Functional Code	122.020	pd14csp.bin
Phintl	122.020	pi1400sp.bin

New Features

- None

Fixes

- Removed v3 reg domain changes – these will be added back in at a later date.

Known Issues

- WTC-268 OTADL fails to display "Wrong code type" message when it should
- WTC-141 Site Survey: Softkeys mislabeled/not labeled at entry into site survey
- WTC-86 Phone gets stuck during startup with incorrect license set OEM (WT-064)
- WTC-32 Incorrect License Selected, WT Sits at "Checking Code"
- Bug 5419 Letter C displays too large

Polycom SRP External Release Notes (v122.019 30/06/08)

This is a release load.

Versions

USBDL	113.005	pd14udsp.bin
OTADL	196.079	pd14odsp.bin
Functional Code	122.019	pd14csp.bin
Phintl	122.019	pi1400sp.bin

New Features

- Bug 5533 Regulatory domain (v3) changes
    - Added channel 13 to Korea (domain 05)
    - Added domain (domain 08) for Mexico

Fixes

- Bug 5387 Service Escalation (385231): Phones won't charge when placed in the cradle
- Bug 5453 Service Escalation (391393): Dropped calls / one-way choppy audio. Possibly tied to power levels inconsistent from channel to channel.
- Bug 5472 CR Q01801489 BCM-Set changed from idle mode to active mode unexpectedly after exit Line menu
- Bug 5483 Korean Reg Domain 05 has wrong range
- Bug 5489 Service Escalation (387024): Power differences between UNI1 and UNI3
- Bug 5502 Some phrases not translated – Twin Cities
- Bug 5551 Svc Esc (398093): Brand new 61xx's ringer sounds like a hiss, not loud ring when configured with HAT
- Bug 5690 Add idle time calculation
- Bug 5694 Exiting PTT by answering call or End call stops power save
- Bug 5716 DCA skips cycles during handoff
- WTC-36 WPA & WPA2 Handoffs slow
- WTC-37 Phones assert when starting Selftest – intermittent
- WTC-58 Svc Esc (404368) (crms00113659) assert isr.c line 396
- WTC-59 Phone in charger blinks /flashes charging (crms00114737)
- WTC-112 PTT Held Down on Cisco FSR, Rx Phone Becomes Unresponsive
- WTC-114 No Gateway Response message while in call
- WTC-124 Phone does not ack packets or uplink for ~68ms while in call
- WTC-135 "Space Invaders" sound when start key is pressed (intermittent)
- WTC-198 Cisco FSR in French is Cisco FSK – should be FSR
- WTC-210 Svc Esc (409925): 6120 TX packets are not WMM voice classified OEM (Q01854594)
- WTC-212 Phone does not ack first connect from oai box
- WTC-236 DTMF Changes in core (audio.c mostly) to support In-Band DTMF Generation.

Known Issues

- WTC-32 Incorrect License Selected, WT Sits at "Checking Code"
- WTC-86 Phone gets stuck during startup with incorrect license set OEM (WT-064)
- WTC-141 Site Survey: Softkeys mislabeled/not labeled at entry into site survey
- WTC-268 OTADL fails to display "Wrong code type" message when it should

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122.018

Release Date: 02/29/2008

This is a maintenance load to include new FLASH/RAM support for SRP. Also, a number of bug fixes are included as listed below.

OTADL: 119.040
Phintl: 123.013
Funct: 122.018
USBDL: 113.005

New Functionality

- o Moved to dev_2-0-0 core code. (Transparent to user – still no U-APSD support)
- o Fully supports new flash/ RAM hardware.

Bugs Fixed

- Fixed an issue with assigning a speed dial with an empty phone book
- Fixed and issue while roaming during PTT transmit
- Fixed some choppy PTT audio issues
- Fixed a roaming issue where the phone was not choosing the best AP
- Fixed a cardbus.c assert
- Fixed a problem where the phone LCD could get into a mode where it was flashing in charge only mode in a charger.
- Fixed a problem in 802.11a where the phone was not properly associating on some channels at the top of 11a sub-bands

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122.017

Release Date: 01/15/2008

Changes from previous release:

- Regulatory domain additions and fixes.
- Various radio performance enhancements
- Added functionality to recover from some types of battery crc errors.
- Fixed an issue around reading the battery level that would sometimes cause a phone error.
- Fixed some issues around DHCP.
- Code to support changes in HW flash/ RAM parts.
- Modifications in LCD code that improve standby battery life.

Known issues/caveats:

None

122.013

Release Date: 4/27/2007

Changes from previous release:

- Bug fixes related to implementation of regulatory domain in 802.11(A) band.

Known issues/caveats:
None

122.012

Release Date: 2/21/2007

Changes from previous release:

- Continued improvement of radio performance, reducing retry rates and lost packets when running at capacity on all 802.11 bands.

Known issues/caveats:

None

122.011

Release Date: 2/17/2007

Changes from previous release:

- Improved radio performance, reducing retry rates and lost packets when running at capacity on all 802.11 bands.

Known issues/caveats:
None

122.010

Release Date: 2/14/2007

Changes from previous release:

- Improved radio performance, reducing retry rates and lost packets when running at capacity on all 802.11 bands.
- Added full support for North American and Europena regulatory domains across all 802.11 bands.
- Boosted in-ear handset/headset/speakerphone gain when operating in High and Severe noise modes.
- Tuned handset/headset/speakerphone gains to reduce distortion.

Known issues/caveats:

- None

122.003

Release Date: 11/17/2006 (Limited availability – SRP Beta customers only)

Changes from previous release:

- Resolved issue with handsets experiencing one-way audio during a call.
- Updates to improve radio sensitivity for select 802.11a frequencies.
- Change to menu soft key labels for more consistent handling of 4th soft key ("back" vs. "cncl" vs. "exit").
- Resolved issue with persistent radiotx.c error upon startup of handset.
- Resolve issues with crypto processing under WEP and WPA that could lead to crypto.c, ed.c, and/or memory.c asserts.

Known issues/caveats:

- Poor coverage can occasionally cause the handset to enter a state in which it indicates no access points are found and subsequently reboots. The handset will come back into service automatically following the reboot.
- Occasionally the handset may spontaneously reboot due to a software error. The handset will come back into service automatically following the reboot. If the reboot is not due to coverage problems, it is suggested to review the log server files and report any errors found (these log entries contain the string "[SW ERROR]").
- An extremely depleted battery occasionally will not charge while in the phone. The battery can be recovered by charging in the battery slot of a dual charger, or in a quad charger.
- Handsets configured for WPA security sometimes experience short (less than ¼ second) audio dropouts.

122.002

Release Date: 11/1/2006 (Limited availability – SRP Beta customers only)

Changes from previous release:

- Initial release to Beta customers

Known issues/caveats:

- Some handsets may experience one-way audio during a call both with and without a headset. Full audio may be restored after a few seconds; if not, recover by power-cycling the handset.
- Poor coverage can occasionally cause the handset to enter a state in which it indicates no access points are found and subsequently reboots. The handset will come back into service automatically following the reboot.
- Occasionally the handset may spontaneously reboot due to a software error. The handset will come back into service automatically following the reboot. If the reboot is not due to coverage problems, it is suggested to review the log server files and report any errors found (these log entries contain the string "[SW ERROR]").
- An extremely depleted battery occasionally will not charge while in the phone. The battery can be recovered by charging in the battery slot of a dual charger, or in a quad charger.
- Handsets configured for WPA security sometimes experience short (less than ¼ second) audio dropouts.