

# Release notes for GenSIP, version BSV03.06B6/HSV03.06B6

## Release Information

<b>Project</b> .....	GenSIP
<b>Milestone</b> .....	SW
<b>Software Version</b> .....	BSV03.06B6/HSV03.06B6
<b>Software Life Cycle Stage</b> .....	Release Candidate (RC)
<b>Release Date</b> .....	30 October 2013

RC software is the software delivered for e.g. product acceptance testing. It is the software that the project promotes as a candidate for the final software that fulfills the goals for this software product (for this feature revision of the product).

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## What's new

This release in includes new features and bug fixes.

## Changes in this release

### Development

#### Notes and new:

- None

#### Requests which are fixed:

- None

#### Bug Fixes Base:

- 44938 F-key issue: SIP info last digit is not send
- 44870 Runtime error found and audio is missing after reboot (cause by csv phonebook load issue)

#### Bug Fixes Handset:

- 42719 [Umbler] HS speaker ON after attended transfer is completed (regression on HSV306B3 only)
- 44227 HS unable to enter central directory again if LSK pressed when entering central directory:

#### Known Bugs:

- Handset FWU: Disable handset fwu field with "0" followed by save. In case it is not "0" FWU can start and interfere with normal call activities
- Handset FWU: It is not possible to firmware update type Raffle and type Razor handset at the same time. Firmware upgrade must be done serial, first one type, then second type.
- **DO NOT DOWNGRADE TO V25x ON HANDSET. HS V25x should not be used anymore.**
- **Note: Upgrade from V127 must follow the procedure V127 -> V242 -> Vnew**

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## Outstanding issues

#### New: Network

- IPv6 support
- QoS
- TLS

#### New: Other features

- Full duplex
- Password protect registration
- Information menu

#### New: Security

- HTTPS
- SRTP

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## Known limitations

#### System Maximum

- Maximum 8 simultaneous calls
- Maximum 39 slave bases can be registered to the master
- Maximum 30 handsets can be registered to one base
- Maximum 12 slaves in a chain
- Maximum 8 simultaneous handovers

- Maximum number of RTP is 18 on one base
- Maximum 3 repeaters can be registered to one base
- Maximum 100 repeaters can be registered to a system
- Maximum 5 simultaneous calls on a repeater

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## Installation / Upgrading

Please use the firmware upgrade procedure described in the SME VoIP System Guide\_SIP\_V1.8\_rtx.pdf.

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## Contact information

For further information and support contact: [kmr@rtx.dk](mailto:kmr@rtx.dk)

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## Release History

### Version BSV306B3/HSV306B4

#### Development

##### Notes and new:

- None

##### Requests which are fixed:

- None

##### Bug Fixes Base:

- 43639. HS enter searching state permanent after Primary shift if static IP (Regression on V306 compared to V290)
- 43568. RFP: Forwarding on Busy Number not working if HS busy with 2 active calls - WB
- 36189. SQA : G729 : Base reboot when having maximum audio
- 42836: Risk for config. two servers SIP transport UDP and TCP - HS cannot make/receive call or RFP reset.
- 43032. Support of Configuration file handling

##### Bug Fixes Handset:

- 43054 HS: Noise played 2,5 sec. after counter part terminates call in repeater setup

##### Known Bugs:

- Handset FWU: Disable handset fwu field with "0" followed by save. In case it is not "0" FWU can start and interfere with normal call activities
- Handset FWU: It is not possible to firmware update type Raffle and type Razor handset at the same time. Firmware upgrade must be done serial, first one type, then second type.
- **DO NOT DOWNGRADE TO V25x ON HANDSET. HS V25x should not be used anymore.**
- **Note: Upgrade from V127 must follow the procedure V127 -> V242 -> Vnew**

### Version BSV306B1/HSV306B2

#### Development

##### Notes and new:

- Security enabled for RTX generic (alpha trial version -> not to be used for customer deployment)

- 9455 Add wideband codec indication
- 41679 Menu to enable/disable idle screen saver
- 41196 Password change with double confirm
- 41321 Statistical data reset after reboot
- 41880 Repeater Statistics added (alpha version)
- 42311 Base Improved Boot time
- 28871 ALL - MMI provider change from handset using unique customer key
  - By menu \*key\*
- Handset screen saver in charger mode changed to dimmed screen.
- Extension table sort option added
- LDAP default search mode
- Call Waiting tone level reduced for better user experience.

#### Requests which are fixed:

- None

#### Bug Fixes:

- 41580 Call Terminated due to deregistration/roaming
- 41680 HS state removed but still SIP reg. and DECT online.
- 40691 xml phonebook - mobile icon not matching mobile no.
- 41240 No digits are displayed when press numbers during conversation
- 42358 WEB: Checkbox in TimeDate.html and Country.html incorrect initialized
- 41974 Chain: When secondary RFP becomes primary, some HS indicates searching once in a while.
- 41839 Base reset if SIP Server address contains hidden special char.
- 41816 Hold/Transfer/Reset issue with 3CX Proxy Manager
- 40651 HS: Handsfree ringback tone with low volume.
- 40753 SQA : HS1 not able to make outgoing call to HS2 when only using G.722 codec (problem with V303)
- 40729 Razor: Mute icon is overlap on volume bar when change ring volume to " Mute "

#### Known Bugs:

- Handset FWU: Disable handset fwu field with "0" followed by save. In case it is not "0" FWU can start and interfere with normal call activities
- Handset FWU: It is not possible to firmware update type Raffle and type Razor handset at the same time. Firmware upgrade must be done serial, first one type, then second type.
- **DO NOT DOWNGRADE TO V25x ON HANDSET. HS V25x should not be used anymore.**
- **Note: Upgrade from V127 must follow the procedure V127 -> V242 -> Vnew**

## Version BSV303/HSV303

### Development

#### Notes and new:

- 35995 HS MMI provider controlled registration, which will block for cross registration between different handset suppliers (This feature requires new handsets to be loaded with V303 to be able to register to the system)
- Security enabled for RTX generic (alpha trial version -> not to be used for customer deployment)
- 36643 LDAP part 2.9 New search algorithm and configuration option for SN+givenName, cn, and phonenumbers
- 39427:Multi Line: cannot select Line using LDAP
- 35095 Call statistics
- 23473 Control call forwarding from handset

- 36122 SIP/Call diversion
- 36138 Automatic DST time setting option (new country settings parameters)
- 36158 Get Daylight Saving Time from NTP server
- 37010 Get NTP server from DHCP option
- 36159 Support NTP broadcast (new time settings parameter)
- 37008 Force handset language to specific language through configfile
- 36409 (36410) Coverage warning tone
- 32313 (32553) Support local/remote codec
- 34206 (36045) Allow to use ipei - user instead of slot - user to provision the handset
- 37135 (37509) Call waiting sound mixed with voice.
- 38430 (38560) CID, support of 30 char string (previous 20) at header "From":
- 39704:Updated russian text file for Raffle RTX8630
- 39849:Cradle - Auto hook off / hook on (active when "any key" is selected).
- 40562:PeerPeerIP fall back if PeerPeerIP base is lost
- 39921:Chain id = phone number is NOT allowed
  - Handle PhoneNumber equal to ChainID.warning added to SysLog and Status in Extension site

#### **Requests which are fixed:**

- 38314 (38443) Raffle2UTF8 mapping function for LDAP search in German

#### **Bug Fixes:**

- 38500 grammatical error in german version receiving a call with number
- 33764 Broadsoft: Conference initiator drops the call after received session update from broadsoft
- 33765 Broadsoft: No audio established after attended transfer by caller
- 36646 3/multiple numbers support in XML format when loaded:
- 39421 Extension idx. 0 overwritten when adding new extension if Broadsoft feature enabled.
- 37161 RTX ethernet unstable results in 5 bases permanent down - LED steady RED
- 38816 WEB: Security site can sometimes not be shown
- 38608 RFP: Reset error 50, 1C 43 and 41.
- 37754 RFP reset error 43 when sending digits during call
- 40331 Wrong codec list is send to PP in multiline mode

#### **Known Bugs:**

- Handset FWU: Disable handset fwu field with "0" followed by save. In case it is not "0" FWU can start and interfere with normal call activities
- Handset FWU: It is not possible to firmware update type Raffle and type Razor handset at the same time. Firmware upgrade must be done serial, first one type, then second type.
- **DO NOT DOWNGRADE TO V25x ON HANDSET. HS V25x should not be used anymore.**

## **Version BS290B5/HSV290B4**

### **Development**

#### **Notes and new:**

- Handset fwu status shown in handset extension list.
- #36048:Enable function key and multiline feature in RTX Generic mode
- #33373 (36150): Enable 10 handset registrations for RTX Generic mode

#### **Requests which are fixed:**

- None

#### **Bug Fixes:**

- 38325 LDAP: Search list names without no

- 37758 RFP: WB call without audio and web page cannot be accessed - RFP stuck.
- 37888. MultiCell Primary reboot do not DECT lock to the existing running system
- 35989 [Beatus] Line key LED flashing frequency is different for incoming call when missed call is received before
- 35987 [Beatus] Multi Line SIP registration cannot be distributed evenly in multi cell
- 35798 RFP reset: Register HS at MultiLine base - Error 41
- 30995 WEB: Cannot access web page after LDAP central dir. conn. timeout.
- 35980 [Beatus] Display name is not shown after deregistration and registration again
- 31150 Chain: 3 of 34 bases not sync - part 2
- 29182 RFP: Eeprom overwritten after "Force reboot" from web

#### Known Bugs:

- Handset FWU: Disable handset fwu field with "0" followed by save. In case it is not "0" FWU can start and interfere with normal call activities
- Handset FWU: It is not possible to firmware update type Raffle and type Razor handset at the same time. Firmware upgrade must be done serial, first one type, then second type.
- **DO NOT DOWNGRADE TO V25x ON HANDSET. HS V25x should not be used anymore.**

## Version BSV287/HSV287

### Development

#### Notes and new:

- Handset fwu progress status shown in handset extension list.
- Handset FWU downgrade from V287 is not possible because of the fast handset fwu feature, which is using compressed files. In future versions downgrade to V287 is possible.

#### Requests which are fixed:

- None

#### Bug Fixes:

- 35709:HS: Cannot select Multi reg. above network 4
- 35595:Call forwarding when Busy does not work in case call waiting is disabled
- 35514:MemLeak in Web Server
- 35050:HS11 cannot make call and gets "insuf. res."
- 35009:[Beatus] "128" message is displayed on call end screen
- 34936:SQA : Incoming call cannot answered by pressing left navigation key when auto answer is set to " any key " (Not issue in V242)
- 34300 Audio: No audio for a period and later call dropped.
- 33716 When ending an ongoing call a short noise burst is heard
- 31262 Call: Call drop caused of [ Eth TX restarted]
- 35010 [Beatus] Incorrect display name is shown on screen
- 35050 HS11 cannot make call and gets "insuf. res."
- 35498 EmSIP timer C (cancel timer) is not always stopped when INVITE transaction fails
- 35514 MemLeak in Web Server
- 35545 FpCtrl\_SyncHandsetTime sent with wrong PMID
- 35597 Startup DECT Frequency in Multi Cell is not correct.
- 29182 RFP: Eeprom overwritten after "Force reboot" from web.
- 31150 Chain: 3 of 34 bases not sync - part 2
- 35980 [Beatus] Display name is not shown after deregistration and registration again
- 35731 no CTI function

- 32583 REP reset: Load central dir. file - Error 41
- 33558 SIP - FWU progress of Repeater is still shown as "Restarting" even FWU is succeed for whole system under version v272
- 34034 RFP stuck: Web interface lost and cpu 100%
- 34121 WB: No audio after 3rd. party terminates conf.
- 33842 Issue with codec after REFER
- 34347 Sync: "Maximum Digits" & "Prefix for Outgoing Calls" not chained sync.
- 18234 Handset: Multiple networks, display name and number in idle not updated
- 23960 RPNs does not always correspond in Local automatical mode
- 34290 HS: Auto select system not working.
- 34328 SQA: G729: No audio on the call after attended transfer
- 34443 HS reset: Type 29 digits during call
- 34519 HS deregistered after new base joins multi cell

#### **Known Bugs:**

- Handset FWU: Disable handset fwu field with "0" followed by save. In case it is not "0" FWU can start and interfere with normal call activities
- Handset FWU: It is not possible to firmware update type Raffle and type Razor handset at the same time. Firmware upgrade must be done serial, first one type, then second type.
- **DO NOT DOWNGRADE TO V25x ON HANDSET. HS V25x should not be used anymore.**

## **Version BSV273\_B0005/HSV273\_B0001**

### **Development**

#### **Notes and new:**

- #34219: base german language translation update
- #34408: RFC2833 not working and INFO problems after 7 digits
- #34679 ptime config enable

#### **Requests which are fixed:**

- None

#### **Bug Fixes:**

- #34121 WB: No audio after 3rd. party terminates conf.
- #33844 HS audio crash after hold and retrieve
- #34347 Sync: "Maximum Digits" & "Prefix for Outgoing Calls" not chained sync

#### **Known Bugs:**

- Handset FWU: Disable handset fwu field with "0" followed by save. In case it is not "0" FWU can start and interfere with normal call activities
- Handset FWU: It is not possible to firmware update type Raffle and type Razor handset at the same time. Firmware upgrade must be done serial, first one type, then second type.
- **DO NOT DOWNGRADE TO V25x ON HANDSET. HS V25x should not be used anymore.**

## **Version BSV273\_B0001/HSV273\_B0001**

### **Development**

#### **Notes and new:**

- #33260: Add Servicemenu item to enable /disable headset trace
- #32945: Add support for CF data for Umber and Raffle (further improve FWU speed)
- #32546: LDAP filter must be configurable
- #32951: LDAP part 2 (Improve support for ms-AD, unicode and configurable filter)
- #28432: Polish translations base and handset improved

#### Requests which are fixed:

- None

#### Bug Fixes:

- 33735 gateway does not send INFO dtmf during progress
- 31964 SIP: Base and HS indicates SIP error.
- 31833 RFP reset: Configure RFP to chain loop makes all bases reset and chain DECT broken - error 43
- 31095 Call: Cannot get CW at second line and possible to get RFP reset error 11, 55, 50.
- 11027 Central phonebook: Bad display of central phonebook when using the search function
- 32368 RTP Relay with adaption to received packet size causes incorrect RTP timestamps
- 32338 Call: RFP hanging instanse if HS deregister during call.
- 32024 Alarm: HS resets few sec. after alarm arrives if Searching state.
- 30730 FP reset with error 11 during registration
- 32391 SIP - BS2 is shown "Sync Lost" during FWU under version v260\_B0001
- 32325 SIP - All BS and HS is shown "Searching" during FWU under version v260\_B0001
- 26437 RFP reset: Ethernet break during HS FWU results in Error:1c Address:db60c
- 32448 FWU: Typing none existing RFP FWU version stops HS FWU at every 2 min. and later RFP reset.
- 31834 G729: FP freezes then reset when making the 7th audio connection on a single base
- 32372 HS not able to hear music on hold if being held after handover
- 23180 Headset : Click sound still quite loud whenever Raffle HS off-hook when headset connected
- 33333 Base do not activate DECT Master/Primary mode even though it is told to.
- 33281 Incoming SIP call handling during Roaming or opposite can cause hanging call
- 31889 HS's soft key icon isn't disappear when triggered automatic keylock
- 31898 BS crashed on call hold with G729 codec

#### Known Bugs:

- Handset FWU: Disable handset fwu field with "0" followed by save. In case it is not "0" FWU can start and interfere with normal call activities
- **DO NOT DOWNGRADE TO V25x ON HANDSET. HS V25x should not be used anymore.**

## Version BSV260\_B0001/HSV260\_B0001

### Development

#### Notes and new:

- To prevent user to form a multi cell without data, the multi cell will only be able to be formed, if one base has been configured. You need to configure one server and one extension to allow the one base to join as primary.
- Handset FWU progress status improved
- 28653 Enable LDAP on the webpage
- 27984 Lock key (long \*)
- 27985 long key press on # must mute ringer (or enable ringer)
- 27983 VM Key long 1
- 29083. Enable support for Packed FWU handling in Raffle/UmberPP



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**Requests which are fixed:**

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**Bug Fixes:**

- 28795 V0242\_B0002 / V0242 - OWA occurs after handover, hang up and new call
- 31182 Base time is not synchronized when using the "Time PC" feature
- 31836 [Beatus] HS is deregistered and blanking yellow LED after FWU from v258 to v227
- 31892 HS crash after set maximum handset name then select " Automatic " in " auto answer "menu
- 31896 Transfer in alerting state with an existing call present
- Auto sync. tree: For larger systems (> 15 bases) autosync tree must be disabled to avoid bases going out of DECT lock
- Speeddial: Edit entry and save will delete entry
- 23680. HS FWU started again with same version
- 30184. IP: Power and Ethernet drop leads to inaccessible RFP
- 30299. REP: Delete repeater not. sync. to other bases in chain
- 29213 Centralphone book search fails with certain phonebooks
- 28818 SQA: HS displays wrong character on name editor when press digit 9 six times
- 24913 HS - Keypad - Editing with Abc input method , double key in normal speed cause to double small character in 1st alphabet of dial key

**Known Bugs:**

- Handset FWU: Disable handset fwu field with "0" followed by save. In case it is not "0" FWU can start and interfere with normal call activities
- **DO NOT DOWNGRADE TO V25x ON HANDSET. HS V25x should not be used anymore.**

## **Version BSV242\_B0005/HSV242\_B0001**

### **Development**

**Notes and new:**

- 29077 V227 -- blind transfer improvements

**Requests which are fixed:**

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**Bug Fixes:**

- 29113 VM: Extension with VM leads to base crash.
- 28751 Do not disturb feature is missed in setting menu

**Known Bugs:**

- Speeddial: Edit entry and save will delete entry
- Auto sync. tree: For larger systems (> 15 bases) autosync tree must be disabled to avoid bases going out of DECT lock
- Handset FWU: Disable handset fwu field with "0" followed by save. In case it is not "0" FWU can start and interfere with normal call activities

## **Version BSV242\_B0004/HSV242**

### **Development**

**Notes and new:**

- #22940 3000 central phonebook entries for Beatus: Old phonebook will be deleted at update

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#### Requests which are fixed:

- 25181 V0227 - ALL MODES - Repeater DECT sync source field always shows RPN00
- 25182 V0227 - ALL MODES - Repeater RPN field does not indicate IPEI information
- 25211 V0227 - ALL MODES - Manual Add Repeater on RPN10 should show RPN11,12,13...

#### Bug Fixes:

- 24263 Repeater RPN not shown in hex on Repeaters page for Beatus
- #25099 RFP reset: Error 59 - Address:cd5de for Beatus
- #25267 FWU: HS cannot FWU from v0145 to v0227 on RFPv0227. for Beatus
- 
- #23973 ü cannot be displayed correctly in a error message in German for Beatus
- #26037 SQA: The French translation of the word (any) is incorrect for Beatus
- 9750 CentralPhonebook : Accessing central phonebook will lead to call hold
- 25177 HS - Failed to Access Central Directory after interrupt
- 26171 SQA : Bad icon in volume setting when setting the volume to mute
- 24910 HS Audio - make call from Central Directory barking sound generated
- 26033 Raffle handset - If Hold or transfer is pressed when being on hold, half way audio will occur when other end re-enable call
- 26037 SQA: The French translation of the word (any) is incorrect
- 
- #25184 V0227 - 0x50 - Register Repeater(s) link displays "No extensions selected" if one does not select Idx first
- 
- Uneven slot problem
- #26540. RFP reset: Call and detach/registration provokes base reset Error:54 Address:d7bf
- 
- 27248 No error reported in web-interface of base station in case of incorrect or missing file on TFTP server during upgrade
- 
- 23611 ACCESS-RIGHTS-REJ not sent to repeater when base is in PP reg. mode
- 27847 Delayed Media and attended transfer results in no audio
- 
- #27803 REP: Delete repeater doesn't delete registration
- Fix for crossing sent BYE and INVITE transaction timer expiry which could cause reset with "Heap not allocated"
- 
- #28689. Support for Being Transfer Target in Alerting State

#### Known Bugs:

- Speeddial: Edit entry and save will delete entry
- Auto sync. tree: For larger systems (> 15 bases) autosync tree must be disabled to avoid bases going out of DECT lock
- Handset FWU: Disable handset fwu field with "0" followed by save. In case it is not "0" FWU can start and interfere with normal call activities.

## Version BSV227\_B0001/HSV227

### Development

#### Notes:

- #23690 Repeater: Configuring manual mode is not very elegant for Beatus

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**Requests which are fixed:**

- Repeater: Configuring manual mode is not very elegant for Beatus

**Bug Fixes:**

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- 22860 [Beatus][Contact] No guide is displayed for the contact with multiple numbers
- 23794 Insufficient resources ends an ongoing call
- 23797 Cisco mode: No audio after many HO
- 23840 Unhandled situation -- Outgoing call with no response from SI

**Known Bugs:**

- Speeddial: Edit entry and save will delete entry
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## Appendix: RTX Standard Software Lifecycle Model

The software progresses through a series of life cycle stages as the software matures and quality is improved.

### **Development Stage**

Releases made during the development stages are mainly for internal purposes only but can to some degree be shared with external development partners. Development software contains defects and has missing or broken features and possibly unresolved performance issues.

### **Alpha Stage**

Alpha software is "Code Complete" thus all features are implemented for the planned feature release, integrated and functional. Alpha releases are the first releases made that enable measurement of overall product quality. Alpha software is verified against the product requirements with system testing. The alpha software contains defects but must at least live up to following conditions:

All planned features and functions are usable (no feature groups are blocked from testing)

Stability issues do not impact system testing significantly.

### **Beta Stage**

Beta software is software that has been matured during alpha stage to a level where e.g. field testing is possible. I.e. the software is of a quality where unsupervised end-user trials can be made. System verification and defect fixing continues in the Beta stage but other trials can be commenced that verify other aspects of the product.

### **Release Candidate (RC)**

RC software is the software delivered for e.g. product acceptance testing. It is the software that the project promotes as a candidate for the final software that fulfills the goals for this software product (for this feature revision of the product).

### **General Availability (GA)**

RC software can be raised to General Availability (GA) software when the software has been approved by the customer.