



## **Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52**

### **Release Notes**

August 25, 2015

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## **INTRODUCTION**

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Prepared for Netapp BSA release (20150825)

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## **CUSTOMER SUPPORT PORTAL (CSP)**

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

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Critical

**BLTH03377953**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.34.00

**Version Found:** BSA0106\_01.18.00

**Version(s) Released:** BSA0106\_01.34.00

**Headline:**

BSA server would be dead if SPP(DG) MTU size is bigger than 660 bytes.

**Release Note:**

The root cause of this issue is using RFCOMM\_CMD\_POOL\_ID GKI buffer.  
It's from GKI buffer 2 and the size is 660 bytes.  
It should be RFCOMM\_DATA\_POOL\_ID which will handle 4096 bytes.

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**BLTH03432209**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.32.00

**Version Found:** BSA0106\_01.30.00

**Version(s) Released:** BSA0106\_01.32.00

**Headline:**

BSA Server crashes when tvselect server is started from app\_ble\_tvselect using  
ltaddress 2

**Release Note:**

na

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

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Critical

**BLTH03436393**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.37.00

**Version Found:** BSA0106\_01.34.00

**Version(s) Released:** BSA0106\_01.37.00

**Headline:**

AVK/AV Relay does not work with headsets with MTU smaller than audio data size

**Release Note:**

AVK/AV Relay does not work with headsets with MTU smaller than audio data size

Engineering Check-in DO NOT BUILD.

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**BLTH03436618**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.34.00

**Version Found:** BSA0106\_NIGHTLY\_2014-10-29

**Version(s) Released:** BSA0106\_01.34.00

**Headline:**

Build error caused by bta\_pbs\_co.c

**Release Note:**

PBAP 1.2 flag is not set in some custom builds. Made sure the code build correctly with and without this flag being enabled.

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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<b>Resolved Defects</b>	<b>Critical</b>
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**BLTH03441048**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.37.00

**Version Found:** BSA0106\_NIGHTLY\_2014-11-24

**Version(s) Released:** BSA0106\_01.37.00

**Headline:**

[BSA] [Coverity] Fix for coverity IDs 72045 and 71771

**Release Note:**

Resolved coverity issues - 72045 and 71771

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**BLTH03443898**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.39.00

**Version Found:** BSA0106\_NIGHTLY\_2014-12-11

**Version(s) Released:** BSA0106\_01.39.00

**Headline:**

fix A2DP mtu size calculation in btusb\_lite\_av

**Release Note:**

fix A2DP mtu size calculation in btusb\_lite\_av

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

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Critical

**BLTH03444971**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.41.00

**Version Found:** BSA0106\_NIGHTLY\_2014-12-21

**Version(s) Released:** BSA0106\_01.41.00

**Headline:**

BSA compile error

**Release Note:**

BSA QT app compile error fixed.

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**BLTH03449886**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.46.00

**Version Found:** BSA0106\_01.30.00

**Version(s) Released:** BSA0106\_01.46.00

**Headline:**

Coverity fixes

**Release Note:**

Fixed Coverity issues for uninitialized variables, unreachable code and NULL checks.

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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<b>Resolved Defects</b>	<b>Critical</b>
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<b>BLTH03450006</b>	<b>Subsystem:</b> BSA
<b>Version Found:</b>	N/A
<b>Version(s) Released:</b>	BSA0106_01.46.00
<b>Version Found:</b>	BSA0106_NIGHTLY_2015-02-02
<b>Version(s) Released:</b>	BSA0106_01.46.00
<b>Headline:</b>	
Multi HOGP device was not connected	
<b>Release Note:</b>	
Fixed wrong connection ID during cache load routine	

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<b>BLTH03450580</b>	<b>Subsystem:</b> BSA
<b>Version Found:</b>	N/A
<b>Version(s) Released:</b>	BSA0106_01.47.00
<b>Version Found:</b>	BSA0106_NIGHTLY_2015-02-05
<b>Version(s) Released:</b>	BSA0106_01.47.00
<b>Headline:</b>	
dequeue buffer when BTUSB open/suspend/resume	
<b>Release Note:</b>	
dequeue buffer when BTUSB open/suspend/resume	

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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Resolved Defects	Critical
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**BLTH03455894**

**Subsystem:** BLE

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.50.00

**Version Found:** BSA0106\_01.47.00

**Version(s) Released:** BSA0106\_01.50.00

**Headline:**

BSA\_DiscStart bsa\_send\_receive\_message fails status:900

**Release Note:**

Cleared dev\_disc\_in\_use flag when app\_ble was disconnected.

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**BLTH03456790**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.49.00

**Version Found:** BSA0106\_NIGHTLY\_2015-03-22

**Version(s) Released:** BSA0106\_01.49.00

**Headline:**

Compile error

**Release Note:**

Compile error fixed.

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

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Major

**BLTH03235329**

**Subsystem:** BLE

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.32.00

**Version Found:** BSA0106\_01.09.00

**Version(s) Released:** BSA0106\_01.32.00

**Headline:**

app\_ble\_wifi returns and empty list for devices found in last discovery

**Release Note:**

BLE scan resp value was changed

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**BLTH03425306**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.32.00

**Version Found:** BSA0106\_NIGHTLY\_2014-09-22

**Version(s) Released:** BSA0106\_01.32.00

**Headline:**

Enable TBFC\_BI\_DIR feature for find me RCU

**Release Note:**

Enable TBFC\_BI\_DIR feature for find me RCU

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

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Major

**BLTH03431628**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.31.00

**Version Found:** BSA0106\_NIGHTLY\_2014-09-29

**Version(s) Released:** BSA0106\_01.31.00

**Headline:**

Implement menus to send two VSCs Set\_headless\_scan\_interval and Set\_headless\_BLE\_adv\_interval

**Release Note:**

Implement menus to send two VSCs - Set\_headless\_scan\_interval and Set\_headless\_BLE\_adv\_interval

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**BLTH03431808**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.32.00

**Version Found:** BSA0106\_NIGHTLY\_2014-10-01

**Version(s) Released:** BSA0106\_01.32.00

**Headline:**

Add configuration to change scheduler policy and priority of HCI RX thread for customer project

**Release Note:**

Add configuration to change scheduler policy and priority of HCI RX thread for customer project

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

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Major

**BLTH03432356**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.32.00

**Version Found:** BSA0106\_NIGHTLY\_2014-10-01

**Version(s) Released:** BSA0106\_01.32.00

**Headline:**

Firmware could not respond minidrv download command at H5 UART interface

**Release Note:**

[BT firmware could not respond minidrv download command at H5 UART interface.  
So, need a workaround in BSA and Stack

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**BLTH03433856**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.32.00

**Version Found:** BSA0106\_NIGHTLY\_2014-10-13

**Version(s) Released:** BSA0106\_01.32.00

**Headline:**

Added DG menu to app\_camera

**Release Note:**

Added DG menu to app\_camera

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

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Major

**BLTH03433862**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.32.00

**Version Found:** BSA0106\_NIGHTLY\_2014-10-13

**Version(s) Released:** BSA0106\_01.32.00

**Headline:**

Added SSBI and build environment for customer system

**Release Note:**

Added SSBI and build environment for customer system

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**BLTH03434427**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.34.00

**Version Found:** BSA0106\_01.31.00

**Version(s) Released:** BSA0106\_01.34.00

**Headline:**

Use macro for reopen call in `userial_read_thread`

**Release Note:**

Use macro for in `userial_read_thread` for `USERIAL_Reopen` call.

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

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Major

**BLTH03434881**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.33.00

**Version Found:** BSA0106\_01.32.00

**Version(s) Released:** BSA0106\_01.33.00

**Headline:**

BSA PBAP - Distinguish between connection close events from user-initiated and link-loss events

**Release Note:**

Modified BSA API to provide resolution between close events received from link-loss and user-initiated disconnections.

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**BLTH03435049**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.33.00

**Version Found:** BSA0106\_01.33.00

**Version(s) Released:** BSA0106\_01.33.00

**Headline:**

BSA Fix build error

**Release Note:**

Resolved build error

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

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Major

**BLTH03435179**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.34.00

**Version Found:** BSA0106\_NIGHTLY\_2014-10-20

**Version(s) Released:** BSA0106\_01.34.00

**Headline:**

clear all data in rx queue before Main CPU goes to suspend mode

**Release Note:**

clear all data in rx queue when btusb\_suspend function was called

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**BLTH03435692**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.34.00

**Version Found:** BSA0106\_NIGHTLY\_2014-10-22

**Version(s) Released:** BSA0106\_01.34.00

**Headline:**

Modify cusomter's RCU firmware upgrade routine(DS address changed and fastboot added)

**Release Note:**

Modify cusomter's RCU firmware upgrade routine(DS address changed and fastboot added)

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

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Major

**BLTH03435974**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.34.00

**Version Found:** BSA0106\_NIGHTLY\_2014-10-23

**Version(s) Released:** BSA0106\_01.34.00

**Headline:**

Change Headless out command of HID device

**Release Note:**

Change Headless out commands of HID device

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**BLTH03436148**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.34.00

**Version Found:** BSA0106\_NIGHTLY\_2014-10-23

**Version(s) Released:** BSA0106\_01.34.00

**Headline:**

Add routine to support extended linear address type of intel hex format on firmware upgrade function

**Release Note:**

Add routine to support extended linear address type of intel hex format on firmware upgrade function

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

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Major

**BLTH03436648**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.35.00

**Version Found:** BSA0106\_NIGHTLY\_2014-10-29

**Version(s) Released:** BSA0106\_01.35.00

**Headline:**

Coverity issues

**Release Note:**

Fixed coverity issues CID 72010, 72011, 72012, 72013, 60914, 63548, 71890, 71908, 71909, 63551.

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**BLTH03437349**

**Subsystem:** SBC

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.35.00

**Version Found:** BSA0106\_01.34.00

**Version(s) Released:** BSA0106\_01.35.00

**Headline:**

Generate obfuscated files for CR BLTH03153989

**Release Note:**

Obfuscation files have been regenerated for changes in CR BLTH03153989

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

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Major

**BLTH03439692**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.37.00

**Version Found:** BSA0106\_NIGHTLY\_2014-11-17

**Version(s) Released:** BSA0106\_01.37.00

**Headline:**

Implement Read RSSI API on app\_tm

**Release Note:**

Implement Read RSSI API on app\_tm

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**BLTH03441363**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.38.00

**Version Found:** BSA0106\_NIGHTLY\_2014-11-24

**Version(s) Released:** BSA0106\_01.38.00

**Headline:**

Modify btusb driver to send notification when btusb was disconnected

**Release Note:**

Modify btusb driver to send notification when btusb was disconnected.

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

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Major

**BLTH03441365**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.38.00

**Version Found:** BSA0106\_01.36.00

**Version(s) Released:** BSA0106\_01.38.00

**Headline:**

BSA PBAP Server : Change directory to mch, ich, och is not working

**Release Note:**

PBAP server now supports all folders required by PBAP spec.

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**BLTH03441372**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.38.00

**Version Found:** BSA0106\_NIGHTLY\_2014-11-24

**Version(s) Released:** BSA0106\_01.38.00

**Headline:**

fix kernel warning message when rmmod btusb driver

**Release Note:**

When rmmod btusb, remove sub-directory and data of "proc/driver/btusb"

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

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Major

**BLTH03441721**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.38.00

**Version Found:** BSA0106\_NIGHTLY\_2014-12-01

**Version(s) Released:** BSA0106\_01.38.00

**Headline:**

Create open and close API for BLE server

**Release Note:**

Create open and close API for BLE server

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**BLTH03441805**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.38.00

**Version Found:** BSA0106\_01.37.00

**Version(s) Released:** BSA0106\_01.38.00

**Headline:**

BSA-Nucleus: GKI\_Exception occurs while handling DG UIPC open event

**Release Note:**

Fixed the issue causing GKI\_Exception while handling DG uipc open event.

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

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Major

**BLTH03441825**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.38.00

**Version Found:** BSA0106\_01.37.00

**Version(s) Released:** BSA0106\_01.38.00

**Headline:**

Implement AVRCP Relay for pass thru commands for AVK/AV Relay scenario

**Release Note:**

Added sample code to QT sample application to perform AVRCP Relay for pass thru commands for AVK/AV Relay scenario.  
Customers need to adapt based on their specific requirements.

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**BLTH03441830**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.38.00

**Version Found:** BSA0106\_NIGHTLY\_2014-12-02

**Version(s) Released:** BSA0106\_01.38.00

**Headline:**

BSA Coverity fix

**Release Note:**

Coverity fixes.

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

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Major

**BLTH03442358**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.40.00

**Version Found:** BSA0106\_NIGHTLY\_2014-12-05

**Version(s) Released:** BSA0106\_01.40.00

**Headline:**

Simultaneous 15 BLE connection as client, 3 BLE connection as server, and 7 SPP connections

**Release Note:**

Simultaneous 15 BLE connection as client, 3 BLE connection as server, and 7 SPP connections

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**BLTH03442419**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.38.00

**Version Found:** BSA0106\_01.37.00

**Version(s) Released:** BSA0106\_01.38.00

**Headline:**

Client couldn't get peer device's feature (AVRCP 1.3 or more)

**Release Note:**

Implemented the code to deliver AV FEAT event from BSA server to client

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

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Major

**BLTH03443162**

**Subsystem:** A2DP

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.39.00

**Version Found:** BSA0106\_NIGHTLY\_2014-12-10

**Version(s) Released:** BSA0106\_01.39.00

**Headline:**

Add AAC data Passthrough to AVK for BSA

**Release Note:**

Enabled AAC SEP endpoint exposure for AVK and data capture.

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**BLTH03443963**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.39.00

**Version Found:** BSA0106\_01.38.00

**Version(s) Released:** BSA0106\_01.39.00

**Headline:**

Fix UIPC Nucleus delete task issue

**Release Note:**

Resolved the UIPC Nucleus delete task issue

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

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Major

**BLTH03444463**

**Subsystem:** USB

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.40.00

**Version Found:** BSA0106\_NIGHTLY\_2014-12-17

**Version(s) Released:** BSA0106\_01.40.00

**Headline:**

Fix ACL endpoint is not working in the case of common USB module unplug and plug behavior.

**Release Note:**

Added condition to btusb\_submit retry if urb submit is failed with protocol error(71)

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**BLTH03444495**

**Subsystem:** A2DP

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.40.00

**Version Found:** BSA0106\_NIGHTLY\_2014-12-17

**Version(s) Released:** BSA0106\_01.40.00

**Headline:**

Set defaults for AAC streaming to FALSE in platform specific text files

**Release Note:**

Update bsa\_server.txt and libbsa.txt configuration files to disable AAC capabilities by default in the stack and app

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

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Major

**BLTH03444684**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.41.00

**Version Found:** BSA0106\_NIGHTLY\_2014-12-17

**Version(s) Released:** BSA0106\_01.41.00

**Headline:**

Create a API to read/write BD address to 4339 OTP

**Release Note:**

Create a API to read/write BD address to 4339 OTP

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**BLTH03444932**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.42.00

**Version Found:** BSA0106\_NIGHTLY\_2014-12-19

**Version(s) Released:** BSA0106\_01.42.00

**Headline:**

Reply BLE write command from ble client when it needs

**Release Note:**

Reply to BLE write command from ble client when it needs

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

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Major

**BLTH03445475**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.43.00

**Version Found:** BSA0106\_NIGHTLY\_2014-12-26

**Version(s) Released:** BSA0106\_01.43.00

**Headline:**

Add a menu to configure ADV interval on customer project

**Release Note:**

Add a menu to configure ADV interval on customer project

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**BLTH03446247**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.44.00

**Version Found:** BSA0106\_NIGHTLY\_2015-01-01

**Version(s) Released:** BSA0106\_01.44.00

**Headline:**

Implement 43569 fail safe firmware upgrade routine

**Release Note:**

Implement 43569 fail safe firmware upgrade routine on btdl tool

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

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Major

**BLTH03446725**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.44.00

**Version Found:** BSA0106\_01.43.00

**Version(s) Released:** BSA0106\_01.44.00

**Headline:**

Add BSA API support to request remote name for a given BDA

**Release Note:**

Added support to get remote name and added null value check for device discover sdp database.

app\_manager example has been updated to demonstrate get remote name.

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**BLTH03449972**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.46.00

**Version Found:** BSA0106\_NIGHTLY\_2015-02-02

**Version(s) Released:** BSA0106\_01.46.00

**Headline:**

implement AVK send get capability & AVK send register notification

**Release Note:**

implement AVK send get capability & AVK send register notification

---

## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

---

### Resolved Defects

---

Major

**BLTH03450180**

**Subsystem:** USB

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.46.00

**Version Found:** BSA0106\_NIGHTLY\_2015-02-02

**Version(s) Released:** BSA0106\_01.46.00

**Headline:**

Reinforce GKI buufer handling in BTUSB driver

**Release Note:**

Insert buffer status configure into critical section

---

**BLTH03450406**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.48.00

**Version Found:** BSA0106\_01.45.00

**Version(s) Released:** BSA0106\_01.48.00

**Headline:**

[UPF-50] MAP Disconnect cause bsa\_server crash

**Release Note:**

Fixed a bsa\_server crash caused by MAP Disconnect.

---

## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

---

### Resolved Defects

---

Major

**BLTH03450462**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.49.00

**Version Found:** BSA0106\_01.45.00

**Version(s) Released:** BSA0106\_01.49.00

**Headline:**

[UPF-50] PBAP - Per spec folder path should not be included in the vcard listing request

**Release Note:**

Fixed PBAP client UI set path error and removed full path from get vCard listing request.

---

**BLTH03450473**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.48.00

**Version Found:** BSA0106\_01.45.00

**Version(s) Released:** BSA0106\_01.48.00

**Headline:**

[UPF-50] MAP Client push email headers do not match BT specification

**Release Note:**

Added header fields for MAP push email message.

---

## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

---

### Resolved Defects

---

Major

**BLTH03451146**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.50.00

**Version Found:** BSA0106\_01.46.00

**Version(s) Released:** BSA0106\_01.50.00

**Headline:**

BSA sent sniff mode when there's 2 or more connections

**Release Note:**

This issue happened because ptim\_get\_remaining\_ticks function returned the 10 time bigger value.

I inserted log and confirmed it should return 5000 but it returned 50000.

BSA\_trace 12263@ 01/22 10h:34m:05s:189ms: ptim\_get\_remaining\_ticks

GKI\_TICKS\_TO\_MS=50000 get remaining=5000

BSA\_trace 12264@ 01/22 10h:34m:05s:189ms: bta\_dm\_act dm\_pm\_timer  
remain\_ticks=5000

Remove GKI\_TICKS\_TO\_MS macro.

---

**BLTH03454235**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.51.00

**Version Found:** BSA0106\_NIGHTLY\_2015-03-04

**Version(s) Released:** BSA0106\_01.51.00

**Headline:**

Implement feature to receive VSE for common USB WLAN reset notification

**Release Note:**

Implement feature to receive VSE for common USB WLAN reset notification

---

## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

---

### Resolved Defects

---

Major

**BLTH03455263**

**Subsystem:** BTA HH

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.49.00

**Version Found:** BTE0323\_NIGHTLY\_2015-03-06

**Version(s) Released:** BSA0106\_01.49.00

**Headline:**

BLE buffer leakage in BTA HH for LE HID data.

**Release Note:**

BLE buffer leakage in BTA HH for LE HID data.

Release the buffer after its content is copied to a buffer allocated in function BTA\_GATTC\_WriteCharValue(...).

---

**BLTH03455936**

**Subsystem:** BLE

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.49.00

**Version Found:** BSA0106\_NIGHTLY\_2015-03-16

**Version(s) Released:** BSA0106\_01.49.00

**Headline:**

Add configure BLE local privacy BSA API

**Release Note:**

Add configure BLE local privacy BSA API. To use BLE local privacy, BTM\_BLE\_PRIVACY\_SPT should be defined bsa\_server.txt

---

## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

---

### Resolved Defects

---

Major

**BLTH03456118**

**Subsystem:** BLE

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.49.00

**Version Found:** BSA0106\_NIGHTLY\_2015-03-16

**Version(s) Released:** BSA0106\_01.49.00

**Headline:**

LE\_KEY\_LENC key data is not stored at pair with LE device and LENC key is not added at host startup

**Release Note:**

Added routine for LE\_KEY\_LENC key store to bt\_devices.xml file.  
Added LE\_KEY\_LENC le key add routine at host startup procedure.

---

**BLTH03456362**

**Subsystem:** BLE

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.49.00

**Version Found:** BSA0106\_NIGHTLY\_2015-03-18

**Version(s) Released:** BSA0106\_01.49.00

**Headline:**

Store and load BLE local key on stack startup.

**Release Note:**

Added routine for LE\_KEY\_LENC key store to bt\_devices.xml file.  
Added LE\_KEY\_LENC le key add routine at host startup procedure.

---



## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

---

### Resolved Defects

---

Major

**BLTH03457035**

**Subsystem:** BTE

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.50.00

**Version Found:** BSA0106\_NIGHTLY\_2015-03-24

**Version(s) Released:** BSA0106\_01.50.00

**Headline:**

Modify to support the BLE read characteristic with 128 bits UUID

**Release Note:**

Fix BSA BLE read characteristic UUID128 bits error

---

**BLTH03457300**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.50.00

**Version Found:** BSA0106\_NIGHTLY\_2015-03-25

**Version(s) Released:** BSA0106\_01.50.00

**Headline:**

Implement Find My RCU

**Release Note:**

Have created findmyrcu application

---

## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

---

### Resolved Defects

---

Major

**BLTH03457439**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.50.00

**Version Found:** BSA0106\_01.49.00

**Version(s) Released:** BSA0106\_01.50.00

**Headline:**

Merge GKI\_timer changes to BSA nucleus code

**Release Note:**

Merged GKI\_timer changes to BSA nucleus code

---

**BLTH03457460**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.50.00

**Version Found:** BSA0106\_01.49.00

**Version(s) Released:** BSA0106\_01.50.00

**Headline:**

Handle Peer connection for AVRCP SDP info

**Release Note:**

Ported fixes to handle the case where the Peer creates the connection so the SDP info is not known until checked after the open.

---

## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

---

### Resolved Defects

---

Major

**BLTH03457489**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.50.00

**Version Found:** BSA0106\_01.48.00

**Version(s) Released:** BSA0106\_01.50.00

**Headline:**

build error

**Release Note:**

na

---

**BLTH03458062**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.50.00

**Version Found:** BSA0106\_NIGHTLY\_2015-03-31

**Version(s) Released:** BSA0106\_01.50.00

**Headline:**

Ceate a definition to block additional discovery when BSA\_SEC\_AUTH\_CMPL\_EVT received

**Release Note:**

Ceate a definition to block additional discovery when BSA\_SEC\_AUTH\_CMPL\_EVT received

---

## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

---

### Resolved Defects

---

Major

**BLTH03458488**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.51.00

**Version Found:** BSA0106\_NIGHTLY\_2015-04-02

**Version(s) Released:** BSA0106\_01.51.00

**Headline:**

Implement Audio streaming from DTV to RCU through HID channel

**Release Note:**

Have implemented audio streaming through HID channel.

---

**BLTH03458553**

**Subsystem:** BTE

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.51.00

**Version Found:** BSA0106\_NIGHTLY\_2015-04-02

**Version(s) Released:** BSA0106\_01.51.00

**Headline:**

cannot configure LE scan parameters

**Release Note:**

fix cannot configure LE scan parameters issue

---

## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

---

### Resolved Defects

---

Major

BLTH03459758

Subsystem: BSA

Version Found: N/A

Version(s) Released: BSA0106\_01.52.00

Version Found: BSA0106\_NIGHTLY\_2015-04-14

Version(s) Released: BSA0106\_01.52.00

**Headline:**

Support audio streaming to multiple HID devices

**Release Note:**

Modified app\_hh to stream audio data to multi hid devices

---

## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

---

### Resolved Defects

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Minor

**BLTH03429208**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.34.00

**Version Found:** BSA0106\_NIGHTLY\_2014-09-24

**Version(s) Released:** BSA0106\_01.34.00

**Headline:**

Create menus to simulate wake up from headless mode

**Release Note:**

Add menus to send HID report to wake up DTV in headless mode

---

**BLTH03431365**

**Subsystem:** BTE

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.32.00

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.32.00

**Headline:**

Implement OTA firmware update Sflash with fastboot support

**Release Note:**

Implement app\_hh\_otafwdl\_fwupdate\_fastboot\_sflash function

---

## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

---

### Resolved Defects

---

Minor

**BLTH03431702**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.31.00

**Version Found:** BSA0106\_01.30.00

**Version(s) Released:** BSA0106\_01.31.00

**Headline:**

app changes for auto connect and SCO over HCI

**Release Note:**

In QT app, support auto connect of AVK and PBAP when HF connects (UI check box)  
For SCO over HCI, do not use WBS

---

**BLTH03434190**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.32.00

**Version Found:** BSA0106\_NIGHTLY\_2014-10-14

**Version(s) Released:** BSA0106\_01.32.00

**Headline:**

Add app\_ble\_wifi menu to customer application

**Release Note:**

Merge app\_ble\_wifi application to customer app\_dtv application

---

## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

---

### Resolved Defects

---

Minor

**BLTH03434588**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.33.00

**Version Found:** BSA0106\_01.30.00

**Version(s) Released:** BSA0106\_01.33.00

**Headline:**

AVRCP 1.4 TG enhancements

**Release Note:**

Added support for AVRCP 1.4 TG mandatory browsing commands.

---

**BLTH03435158**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.33.00

**Version Found:** BSA0106\_01.30.00

**Version(s) Released:** BSA0106\_01.33.00

**Headline:**

BSA Api for setting link policy

**Release Note:**

Added BSA API to set link policy (Master switch, hold, sniff, park), bsa\_dm\_api.h

---



## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

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Minor

**BLTH03435209**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.34.00

**Version Found:** BSA0106\_NIGHTLY\_2014-10-20

**Version(s) Released:** BSA0106\_01.34.00

**Headline:**

Add BLE feature on a customer project

**Release Note:**

Add BLE MENU on app\_dtv application

---

**BLTH03435513**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.34.00

**Version Found:** BSA0106\_01.33.00

**Version(s) Released:** BSA0106\_01.34.00

**Headline:**

fix coverity issues

**Release Note:**

fix coverity issues

---

## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

---

### Resolved Defects

---

Minor

**BLTH03437616**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.35.00

**Version Found:** BSA0106\_01.30.00

**Version(s) Released:** BSA0106\_01.35.00

**Headline:**

WBS not working on Mobis platform

**Release Note:**

Created configurable I2SPCM settings. Removed code which over-rides patch ram configuration

---

**BLTH03437693**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.35.00

**Version Found:** BSA0106\_NIGHTLY\_2014-11-03

**Version(s) Released:** BSA0106\_01.35.00

**Headline:**

Change memory map for Customer RCU Sflash usage to do FW OTA upgrade

**Release Note:**

Change memory map for Customer RCU Sflash usage to do FW OTA upgrade

---

## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

---

### Resolved Defects

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Minor

**BLTH03437720**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.35.00

**Version Found:** BSA0106\_NIGHTLY\_2014-11-03

**Version(s) Released:** BSA0106\_01.35.00

**Headline:**

CID 71583 & 71584

**Release Note:**

Resolved "negative returns" Coverity issue

---

**BLTH03437987**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.35.00

**Version Found:** BSA0106\_01.30.00

**Version(s) Released:** BSA0106\_01.35.00

**Headline:**

PCM configuration for dual SCO

**Release Note:**

When configuring 2 SCO connections (HF and AG), use VSC Write\_SCO\_Time\_Slot (OCF 0x022). This command is used to write the SCO time slot for the next SCO connection.

---

## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

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Minor

**BLTH03438101**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.35.00

**Version Found:** BSA0106\_NIGHTLY\_2014-11-07

**Version(s) Released:** BSA0106\_01.35.00

**Headline:**

Enable client to receive link type

**Release Note:**

Enable client to receive link type

---

**BLTH03438620**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.35.00

**Version Found:** BSA0106\_NIGHTLY\_2014-11-10

**Version(s) Released:** BSA0106\_01.35.00

**Headline:**

changed to enable '-r' cmd line option to support up to 4M

**Release Note:**

changed to enable '-r' cmd line option to support up to 4M

---

## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

---

### Resolved Defects

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Minor

**BLTH03438792**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.35.00

**Version Found:** BSA0106\_01.30.00

**Version(s) Released:** BSA0106\_01.35.00

**Headline:**

Fix compile error

**Release Note:**

Fix compile error

---

**BLTH03439084**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.37.00

**Version Found:** BSA0106\_NIGHTLY\_2014-11-13

**Version(s) Released:** BSA0106\_01.37.00

**Headline:**

Added tvselect sample app into customer project for customer's reference

**Release Note:**

Added tvselect sample app into customer project for customer's reference

---

## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

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Minor

**BLTH03441877**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.38.00

**Version Found:** BSA0106\_01.30.00

**Version(s) Released:** BSA0106\_01.38.00

**Headline:**

SCO PCM config at bsa server startup

**Release Note:**

- Option to configure SCO PCM config at bsa server startup
  - Added muti SCO fix
- 

**BLTH03442357**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.38.00

**Version Found:** BSA0106\_NIGHTLY\_2014-12-05

**Version(s) Released:** BSA0106\_01.38.00

**Headline:**

Changed customer sample app as app\_ble\_main.c

**Release Note:**

Changed customer sample app as app\_ble\_main.c

---

## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

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Minor

**BLTH03442548**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.38.00

**Version Found:** BSA0106\_01.37.00

**Version(s) Released:** BSA0106\_01.38.00

**Headline:**

BSA Coverity Fixes

**Release Note:**

Fixed coverity reported issues

---

**BLTH03443231**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.38.00

**Version Found:** BSA0106\_01.30.00

**Version(s) Released:** BSA0106\_01.38.00

**Headline:**

Fix compile error

**Release Note:**

Fix compile

---

## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

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Minor

**BLTH03444161**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.49.00

**Version Found:** BSA0106\_NIGHTLY\_2014-12-16

**Version(s) Released:** BSA0106\_01.49.00

**Headline:**

Changed BCM\_STRCPY\_S() and BCM\_STRCAT\_S() to avoid buffer overrun.

**Release Note:**

Changed BCM\_STRCPY\_S() and BCM\_STRCAT\_S() to avoid buffer overrun.

---

**BLTH03444162**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.40.00

**Version Found:** BSA0106\_NIGHTLY\_2014-12-16

**Version(s) Released:** BSA0106\_01.40.00

**Headline:**

BLE random address support

**Release Note:**

BLE random address support

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

---

### Resolved Defects

---

Minor

**BLTH03444931**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.41.00

**Version Found:** BSA0106\_NIGHTLY\_2014-12-19

**Version(s) Released:** BSA0106\_01.41.00

**Headline:**

Disabled XML\_INCLUDED for customer project

**Release Note:**

Disabled XML\_INCLUDED for customer project

---

**BLTH03445320**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.42.00

**Version Found:** BSA0106\_NIGHTLY\_2014-12-23

**Version(s) Released:** BSA0106\_01.42.00

**Headline:**

BLE initialization after bluetooth stop and restart

**Release Note:**

BLE initialization after bluetooth stop and restart

---

## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

---

### Resolved Defects

---

Minor

**BLTH03445884**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.44.00

**Version Found:** BSA0106\_01.30.00

**Version(s) Released:** BSA0106\_01.44.00

**Headline:**

Multi SCO fixes

**Release Note:**

Mutli SCO fixes for WBS

---

**BLTH03446407**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.44.00

**Version Found:** BSA0106\_01.30.00

**Version(s) Released:** BSA0106\_01.44.00

**Headline:**

Allow app\_avk to register for notification

**Release Note:**

app\_avk can register for notifications during initialization.

---

## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

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Minor

**BLTH03446569**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.44.00

**Version Found:** BSA0106\_01.30.00

**Version(s) Released:** BSA0106\_01.44.00

**Headline:**

Skip remote name request during SDP

**Release Note:**

API option to skip remote name during SDP with tBSA\_DISC\_START param  
skip\_name\_request = TRUE;

---

**BLTH03448507**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.45.00

**Version Found:** BSA0106\_01.30.00

**Version(s) Released:** BSA0106\_01.45.00

**Headline:**

WBS fixes for AG

**Release Note:**

For WBS with I2SPCM interface, send correct parameter for  
Write\_I2SPCM\_Interface\_Param VSC for sampling rate.  
Send the WBS event received by AG to app\_ag.

---

## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

---

Minor

**BLTH03448589**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.46.00

**Version Found:** BSA0106\_NIGHTLY\_2015-01-22

**Version(s) Released:** BSA0106\_01.46.00

**Headline:**

Add Object push server menu add in customer bsa application.

**Release Note:**

Add Object push server menu add in customer bsa application.

---

**BLTH03449257**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.46.00

**Version Found:** BSA0106\_01.30.00

**Version(s) Released:** BSA0106\_01.46.00

**Headline:**

Enable KeyboardDisplay IO capability. (0x04) in BSA

**Release Note:**

Enabled KeyboardDisplay IO capability. (0x04) in BSA

---

## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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<b>Resolved Defects</b>	<b>Minor</b>
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<b>BLTH03450414</b>	<b>Subsystem:</b> BSA
<b>Version Found:</b>	N/A
<b>Version(s) Released:</b>	BSA0106_01.48.00
<b>Version Found:</b>	BSA0106_01.45.00
<b>Version(s) Released:</b>	BSA0106_01.48.00
<b>Headline:</b>	
[UPF-50] QTAApp - MAP UI Issues	
<b>Release Note:</b>	
QTAApp MAP UI fixes.	

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<b>BLTH03453034</b>	<b>Subsystem:</b> BSA
<b>Version Found:</b>	N/A
<b>Version(s) Released:</b>	BSA0106_01.48.00
<b>Version Found:</b>	BSA0106_01.30.00
<b>Version(s) Released:</b>	BSA0106_01.48.00
<b>Headline:</b>	
Merge changes from BSA 106.2	
<b>Release Note:</b>	
Merge changes from 106.2 (CR BLTH03451006, BLTH03451166 and BLTH03451336)	

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

Resolved Defects		Minor
<hr/>		
<b>BLTH03455742</b>	<b>Subsystem:</b>	<b>BTA AVK</b>
<b>Version Found:</b>	N/A	
<b>Version(s) Released:</b>	BSA0106_01.49.00	
<b>Version Found:</b>	BSA0106_01.48.00	
<b>Version(s) Released:</b>	BSA0106_01.49.00	
<b>Headline:</b>	out of ccbs issue when called bta_avk_rc_listen	
<b>Release Note:</b>	Blocked rc_acp_handle re-init code. update peer_addr on tBTA_AVK_CB when AVRCP connected.	
<hr/>		
<b>BLTH03456007</b>	<b>Subsystem:</b>	<b>BSA</b>
<b>Version Found:</b>	N/A	
<b>Version(s) Released:</b>	BSA0106_01.49.00	
<b>Version Found:</b>	BSA0106_NIGHTLY_2015-03-16	
<b>Version(s) Released:</b>	BSA0106_01.49.00	
<b>Headline:</b>	Add one sec delay between firmware download and HCI_reset connamd	
<b>Release Note:</b>	Add one sec delay between firmware download and HCI_reset connamd in btdl tool.	

## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

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Minor

**BLTH03456504**

**Subsystem:** BLE

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.49.00

**Version Found:** BSA0106\_NIGHTLY\_2015-03-18

**Version(s) Released:** BSA0106\_01.49.00

**Headline:**

Enable BLE privacy feature and set IO CAP for customer printer project

**Release Note:**

Add define as below at bsa\_server.txt

```
# BLE device privacy support
BTM_BLE_PRIVACY_SPT = TRUE
...
BTA_IO_CAP = 0x01
```

---

**BLTH03456513**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.49.00

**Version Found:** BSA0106\_NIGHTLY\_2015-03-19

**Version(s) Released:** BSA0106\_01.49.00

**Headline:**

Changed IO capability and default BR/EDR and LE visibility

**Release Note:**

Changed IO capability and default BR/EDR and LE visibility  
IO capability to 3(NoInputNoOutput), BR/EDR visibility off, LE visibility on

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

Minor

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**BLTH03456830**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.50.00

**Version Found:** BSA0106\_NIGHTLY\_2015-03-22

**Version(s) Released:** BSA0106\_01.50.00

**Headline:**

Add snd\_card\_new function instead of snd\_card\_create for Kernel version 3.16 or higher

**Release Note:**

The function snd\_card\_create has obsoleted at kernel version 3.16.  
Add snd\_card\_new function instead of snd\_card\_create for Kernel version 3.16 or higher

---

**BLTH03457029**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.50.00

**Version Found:** BSA0106\_NIGHTLY\_2015-03-23

**Version(s) Released:** BSA0106\_01.50.00

**Headline:**

changed BCM\_STRCAT\_S/BCM\_STRCPY\_S definition for customer project

**Release Note:**

changed BCM\_STRCAT\_S/BCM\_STRCPY\_S definition for customer project

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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<b>Resolved Defects</b>	<b>Minor</b>
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**BLTH03460672**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.52.00

**Version Found:** BSA0106\_NIGHTLY\_2015-04-16

**Version(s) Released:** BSA0106\_01.52.00

**Headline:**

Modify scm build script to build findmyrcu project by build machine

**Release Note:**

Modified scm build script

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

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Cosmetic

**BLTH03444929**

**Subsystem:** BSA

**Version Found:** BSA0106\_NIGHTLY\_2014-12-19

**Version(s) Released:** BSA0106\_01.41.00

**Version Found:** BSA0106\_NIGHTLY\_2014-12-19

**Version(s) Released:** BSA0106\_01.41.00

**Headline:**

Wrong event name was displayed on BSA BLE server

**Release Note:**

Fixed bsa\_server to display BLE server event

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**BLTH03460631**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.52.00

**Version Found:** BSA0106\_NIGHTLY\_2015-04-16

**Version(s) Released:** BSA0106\_01.52.00

**Headline:**

Modify scm build script to build findmyrcu project by build machine

**Release Note:**

Modified scm build script

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

Resolved Defects		Enhancements
<hr/>		
<hr/>		
<b>BLTH03153988</b>		
<b>Subsystem:</b>		<b>BSA</b>
<b>Version Found:</b>		N/A
<b>Version(s) Released:</b>		BSA0106_01.35.00
<b>Version Found:</b>		BSA0106_01.07.00
<b>Version(s) Released:</b>		BSA0106_01.35.00
<b>Headline:</b>		
Add support for Voice over HOGP		
<b>Release Note:</b>		
Add support for Voice over HOGP		
<hr/>		
<hr/>		
<b>BLTH03153989</b>		
<b>Subsystem:</b>		<b>BTE</b>
<b>Version Found:</b>		N/A
<b>Version(s) Released:</b>		BSA0106_01.35.00
<b>Version Found:</b>		BSA0106_01.07.00
<b>Version(s) Released:</b>		BSA0106_01.35.00
<b>Headline:</b>		
Add support for mSBC codec		
<b>Release Note:</b>		
Add support for mSBC codec		
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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

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### Enhancements

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**BLTH03305528**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.52.00

**Version Found:** BSA0106\_01.14.00

**Version(s) Released:** BSA0106\_01.52.00

**Headline:**

Add support for RAM download via cUSB to btdl

**Release Note:**

Add support for RAM download over cUSB to btdl

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**BLTH03433700**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.32.00

**Version Found:** BSA0106\_NIGHTLY\_2014-10-07

**Version(s) Released:** BSA0106\_01.32.00

**Headline:**

PBAP 1.2 Client

**Release Note:**

Added PBAP 1.2 features support in BSA PBAP Client and test app.

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

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### Enhancements

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**BLTH03435978**

**Subsystem:** BTE

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.34.00

**Version Found:** BSA0106\_01.33.00

**Version(s) Released:** BSA0106\_01.34.00

**Headline:**

Modify cusomter's get RCU firmware version routine(support 2015 model)

**Release Note:**

Add code for 2015 model.

---

**BLTH03436205**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.34.00

**Version Found:** BSA0106\_NIGHTLY\_2014-10-27

**Version(s) Released:** BSA0106\_01.34.00

**Headline:**

PBAP Server to support version 1.2

**Release Note:**

PBAP Server version 1.2 support.

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

### Enhancements

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**BLTH03436355**

**Subsystem:** BTE

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.34.00

**Version Found:** BSA0106\_01.33.00

**Version(s) Released:** BSA0106\_01.34.00

**Headline:**

Add customer to have OTAFWU function for enabling fast boot with SFLASH

**Release Note:**

Add customer HH menu to support OTAFWU function for enabling fast boot with SFLASH

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**BLTH03437076**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.35.00

**Version Found:** BSA0106\_NIGHTLY\_2014-10-30

**Version(s) Released:** BSA0106\_01.35.00

**Headline:**

BTE0322 stack merge

**Release Note:**

Merged BTE0322 stack changes since July 23.

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

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### Enhancements

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**BLTH03437617**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.35.00

**Version Found:** BSA0106\_NIGHTLY\_2014-11-03

**Version(s) Released:** BSA0106\_01.35.00

**Headline:**

[BSA][TM] Add feature to send Raw HCI commands in BSA\_TM

**Release Note:**

Enhanced BSA to handle raw HCI commands from BSA\_TM.

---

**BLTH03438523**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.36.00

**Version Found:** BSA0106\_NIGHTLY\_2014-11-10

**Version(s) Released:** BSA0106\_01.36.00

**Headline:**

MAP client to support multiple connections

**Release Note:**

MAP client is now able to connect both SMS/MMS and Email instances at the same time with peer device.

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

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### Enhancements

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**BLTH03440658**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.37.00

**Version Found:** BSA0106\_NIGHTLY\_2014-11-19

**Version(s) Released:** BSA0106\_01.37.00

**Headline:**

Qt-App needs to handle multiple MAP client connections

**Release Note:**

Qt-App now handles multiple MAP connections simultaneously.

---

**BLTH03441137**

**Subsystem:** BLE

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.37.00

**Version Found:** BSA0106\_NIGHTLY\_2014-11-24

**Version(s) Released:** BSA0106\_01.37.00

**Headline:**

Add ble server send indication menu on app\_ble

**Release Note:**

Add Send indication to ble client menu.

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

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### Enhancements

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**BLTH03444691**

**Subsystem:** BTE

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.42.00

**Version Found:** BSA0106\_01.39.00

**Version(s) Released:** BSA0106\_01.42.00

**Headline:**

OTA firmware update Sflash with Failsafe mode

**Release Note:**

Support 20734 Serial Flash OTA FW Upgrade with Failsafe mode.

---

**BLTH03445934**

**Subsystem:** BTE

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.43.00

**Version Found:** BSA0106\_01.42.00

**Version(s) Released:** BSA0106\_01.43.00

**Headline:**

Add OTAFWU Sflash with Failsafe mode on customer application

**Release Note:**

Support 20734 Serial Flash OTA FW Upgrade with Failsafe mode.

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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Resolved Defects	Enhancements
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**BLTH03447567**

**Subsystem:** BTE

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.45.00

**Version Found:** BSA0106\_01.44.00

**Version(s) Released:** BSA0106\_01.45.00

**Headline:**

Fix HCI logs string incorrect define

**Release Note:**

1. Add correct default display strings.
  2. Change the correct checking range.
- 

**BLTH03448552**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.45.00

**Version Found:** BSA0106\_NIGHTLY\_2015-01-21

**Version(s) Released:** BSA0106\_01.45.00

**Headline:**

Add remote voice data pacekt count mesurement function.

**Release Note:**

Add remote voice data pacekt count mesurement function.

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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

Resolved Defects		Enhancements
<hr/>		
<b>BLTH03448720</b>	<b>Subsystem:</b>	<b>BSA</b>
<b>Version Found:</b>	N/A	
<b>Version(s) Released:</b>	BSA0106_01.47.00	
<b>Version Found:</b>	BSA0106_01.45.00	
<b>Version(s) Released:</b>	BSA0106_01.47.00	
<b>Headline:</b>	New API functions needed for PBAP server to get phonebook data	
<b>Release Note:</b>	New PBAP server API functions and callback events implemented.	
<hr/>		
<b>BLTH03449497</b>	<b>Subsystem:</b>	<b>BTE</b>
<b>Version Found:</b>	N/A	
<b>Version(s) Released:</b>	BSA0106_01.46.00	
<b>Version Found:</b>	BSA0106_01.45.00	
<b>Version(s) Released:</b>	BSA0106_01.46.00	
<b>Headline:</b>	Audio routing module should depend on AV module	
<b>Release Note:</b>	To avoid build fail when setting BTA_AV_INCLUDED to FALSE in bsa_server.txt	

## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

Resolved Defects		Enhancements
<hr/>		
<hr/>		
<b>BLTH03449753</b>		
<b>Subsystem:</b>		<b>BTE</b>
<b>Version Found:</b>		N/A
<b>Version(s) Released:</b>		BSA0106_01.46.00
<b>Version Found:</b>		BSA0106_01.45.00
<b>Version(s) Released:</b>		BSA0106_01.46.00
<b>Headline:</b>		
Set device MITM Protection type during compile time		
<b>Release Note:</b>		
Customer can set device MITM Protection type value through define.		
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<hr/>		
<b>BLTH03450570</b>		
<b>Subsystem:</b>		<b>BTE</b>
<b>Version Found:</b>		N/A
<b>Version(s) Released:</b>		BSA0106_01.47.00
<b>Version Found:</b>		BSA0106_01.45.00
<b>Version(s) Released:</b>		BSA0106_01.47.00
<b>Headline:</b>		
Add more description string for Config Mask		
<b>Release Note:</b>		
Add more description string for Config Mask. Mostly for BLE.		
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## Release notes from BSA 1.6.1.31 thru BSA 1.6.1.52

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### Resolved Defects

### Enhancements

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**BLTH03450847**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.51.00

**Version Found:** BSA0106\_01.30.00

**Version(s) Released:** BSA0106\_01.51.00

**Headline:**

Add FM Rx support to BSA

**Release Note:**

Added BSA APIs for FM Rx. Added new sample app to exercise APIs.

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**BLTH03456920**

**Subsystem:** BSA

**Version Found:** N/A

**Version(s) Released:** BSA0106\_01.50.00

**Version Found:** BSA0106\_NIGHTLY\_2015-03-23

**Version(s) Released:** BSA0106\_01.50.00

**Headline:**

Add notification handling in MAP user mode UI

**Release Note:**

Added notification handling in MAP user mode UI.

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