Iuh Release Note for R3.4 (Cisco)

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1 Scope

This document describes the Cisco Universal Small Cell software product release for R3.4.

Important: Software for the major, minor and maintenance releases of the Universal Small Cell 3000, 5000, 7000 and 9000 product families are available from CloudBase™, not from cisco.com Software Center.

2 Release Information and Product Status

This release is for use with the Universal Small Cell 3000, 5000 and 7000 product families.

2.1 Software

Bootloader: BV3.4.1
Recovery-kernel: 2.6.29.6-ubi-fac-BV3.4.1
Software version: BV3.4.2.14
Database version: 1.0.17

3 Feature Support

3.1 New/Additional Features

The features which are supported by BV 3.4 are detailed in the following document:

- USC-91-16-013 R3.4 Cisco Software Release Specification

3.2 Database

The database version that supports this load is UBS-21-23-311 Ubi FAP Database Specification v1.0.281, from which the TR-69/HMS visible UBS-21-23-326 CSCO HMS FAP Database Specification (Auto Generated) is derived.

4 Resolved Issues in Software Load BV 3.4.2.14

The following issues have been resolved and are included in this release:

4.1 SW Changes from BV3.4.2.14

Key	Summary	Priority	Component/s	Linked Issues
SW-17488	Alarm History events sometimes has unrelated "Additional text"	Major	SC	CSCul10310
SW-17495	SC ERROR SC: Recursive FSM: fsm=N3SSM12StateMachineI9ScCnHmsSmEE state=1 evt=N9ScCnHmsSm10InformRespE	Major	SC	CSC-1001, SW-17566

4.2 SW Changes from BV3.4.2.10 to BV3.4.2.13

Key	Summary	Priority	Component/s	Linked Issues
SW-17483	RS/RLC cored during CS/PS call attempts	Blocker	GAN	SW-17305
SW-17461	LAC changed during FAP registration causes FAP to stay out of service - RANC state mismatch	Blocker	OAMPC	CSB-542
SW-17458	Resource allocation incorrectly reports resource available and causes core	Blocker	RS-UAS	SW-16765, SW-17482
SW-17447	LAC changed during FAP registration causes FAP to stay out of service - RANC state mismatch	Blocker	OAMPC	CSB-542
SW-17486	RRM core : FAP timing off IPT and idle state - reverts SW-17106	Critical	GAN, IPT	SW-17106
SW-17441	RRM_RRMC_core with different Signals (11, 10 and 6) on same AP	Critical	RRM	
SW-17436	FAP not starting 'CN_HMS_MANAGER' after FAP movement FGW1 to FGW2 back to FGW2 (within 15 min)	Critical	OAMPC	CSB-540, SW-17442, CSB-535, CSB-537, CSB-534
SW-17492	Enumeration DB mismatch and RTBD elements	Major	Database	
SW-17485	many reported warnings from database parsing scripts	Major	Database	
SW-17428	Unsupported perceived severity level cleared [2] from db, using APM_MAJOR	Major	Database	
SW-17406	SC gets stuck in loop for a second or so when Periodic DLMM timer expires with calls on progress	Major	SC	

Key	Summary	Priority	Component/s	Linked Issues
SW-17404	ostimer magic number indicates timer deleted after call to mmgmm_clear_periodic_data() and ASSERTS	Major	RS-NAS	CSC-981, SW-17467
SW-17305	Failure moving from CS to MultiRAB CS_HS	Major	RS-UAS	CSC-957, SW-17483
SW-17260	Counter Mismatching for INTRARAT CS Handover Scenario	Major	RS-UAS	CSB-509
SW-17106	FAP selects 2G Macro Timing Source even when there are no 2G Cell Detected during reboot.	Major	IPT	SW-17486
OS-1100	OTP4 is not read correctly - results in RSA errors	Major	Drivers	
SW-17455	SEGW Idx is not updated in Database if HMS sets the reboot parameter	Minor	OAMPC	SW-17364, CSB-533
SW-17015	Invalid ZSID being sent for hand-in events	Minor	RS-UAS	
SW-17444	QqualMinMacroBias parameter description	Trivial	Database	
OS-1108	CCITT CRC16 code rework	N/A	Apps	
OS-1105	Update zapplat for BCRF (BCM61630) support, including primary IDs 50 and 51	N/A	Apps	SW-17365, SW-17462, OS-1054

5 Operating Issues and Limitations of Use

5.1 CloudBase Support

HMS is fully supported from the management server. It is dependent upon the proper HMS server application having suitable written and tested configuration scripts.

CloudBase (formerly the ZoneGate Deployment Server (ZDS) (https://beta-zds.ubiquisys.com) must be used to configure the small cell from initial start-up. CloudBase is used to give a small cell its default network connection parameters and licences and relies upon the default connection parameters and security certificates to have been provided to Cisco prior to needing the small cell to be used. Once configured in CloudBase the small cell will contact it over the public Internet and receive its configuration and licences. After which it will start up on a default R3.3 load and await connectivity to an HMS system for provisioning of its database parameters and final Software Load. If an HMS is not used then the small cell will wait to be manually provisioned. The default CloudBase load must be specified and can be changed by contacting small-cell-support@cisco.com.

Annex A – Change History

Version	Authors	Date	Status	Comment
1.0	Simon Hughes	01 Nov 2013	Released	
1.1	Simon Hughes	02 Dec 2013	Released	Added build .14 release details