Ethernet Routing Switch 4500 Series
Software Release 5.4.3

1. Release Summary

Release Date: 10-October-2011
Purpose: Software patch release to address customer and internally found software issues.

2. Important Notes Before Upgrading to This Release

None.

3. Platforms Supported

Ethernet Routing Switch 4500 (all models).

4. Notes for Upgrade

Please see "Ethernet Routing Switch 4500 Series, Configuration – System, Software Release 5.4" (available at http://www.avaya.com/support . Click Products, select Ethernet Routing Switch 4500 Series from the A-Z list, then select Documentation > View All Documents) for details on how to upgrade your Switch.

File Names for This Release

File Name	Module or File Type	File Size (bytes)
4500_5303_diag.bin	Diagnostic image	1,589,514
4500_543014.img	Agent code image	7,377,900
4500_543015s.img	Agent code image (SSH)	7,645,700

5. Version of Previous Release

Software Version 5.4.2.

6. Compatibility

This software release is managed with Enterprise Device Manager (EDM).

7. Changes in This Release

7.1. New Features in This Release
None.

7.2 Old Features Removed From This Release
None.

7.3 Problems Resolved in This Release

802.1AB (LLDP): Information is now correctly displayed for 802.1AB (LLDP) MED TX-TLV after a unit in the stack is powered down. (**wi00881821**)

802.1AB (LLDP): When the stack is operating in Temporary Base Unit mode, you can now correctly change 802.1AB (LLDP) TLV information on units within the stack. (**wi00928236**)

802.1AB (LLDP): If you reboot the Base Unit of a stack and then issue the "show lldp vendor-specific avaya dot1q-framing" on the Temporary Base Unit the switches in the stack will no longer reset. (**wi00881813**)

802.1AB (LLDP): A memory leak which would occur in certain scenarios where the switch is processing a lot of 802.1AB (LLDP) packets is now addressed. (**wi00864797, wi00862420**)

802.1AB (LLDP), Avaya TLV: The information pertaining to Avaya proprietary TLVs of dot1q-framing and poe-conservation-request-level are now correctly displayed after reset of a unit within the stack. (**wi00881470**)

802.1X, EAP, DHCP, Guest VAN: When the switch is booting DHCP requests are no longer forwarded until 802.1X authentication is established or the device is placed into the Guest VLAN. (**wi00827431**)

802.1X, EAP, DHCP, Guest VAN: Devices which are connected to the Non-Base unit in a stack will now correctly receive a DHCP address when they are assigned into the Guest VLAN. (**wi00931113**)

802.1X, EAP: During periods of high end device authentication (for example at commencement of the business day where a customer has a large number of users on a stack of 8 switches) the end devices are now correctly authenticated against the RADIUS server even if the RADIUS queue should become full awaiting responses from the server. (**wi00895233**)

802.1X, EAP: Entries for 802.1X / EAP clients are now correctly aged out of the switch as well as the Layer2 forwarding database (FDB) when devices are removed from the port or moved to a new port. (**wi00895688**)

ADAC: A memory leak which could occur when running ADAC in certain scenarios where IP Phones are repeatedly power cycled through disabling and then re-enabling PoE is now addressed. (**wi00882779**)

ADAC: When ADAC is configured to use one port of a MLT group as an uplink and the configuration is updated to add the other MLT links as an ADAC uplink, the Voice VAN is now correctly applied to all MLT ports rather than being removed from both MLT uplinks. (**wi00930103**)

MAC Security: MAC addresses are now correctly deleted when the "no mac-sec mac-address" command is issued. (**wi00869476, wi00928619**)

Management VLAN: Irrespective of the state of IP routing on the switch, as soon as a port in the Management VLAN is active the ifOperStatus and ipAdEntIfIndex will now correctly respond as UP. (**wi00875002**)

Non-Base Unit Reset, ARP: When the Non-Base Unit in a stack is reset, the ARP entries for end devices are now correctly refreshed and connectivity re-established without manual intervention. (**wi00907963**)

PoE, ESD: In certain situations when the Power over Ethernet (PoE) was reset due to excessive Electrostatic Discharge (ESD) power is now correctly re-applied to end devices. (**wi00877870**)

SFP: A third party Encryption SFP (EG1) from Infoguard now correctly works and performs auto-negotiation with an ERS 4500 switch. (**wi00866308**)

SFP: When performing a show of SFP vendor information, the switch will now perform a substitution for any Nortel vendor string to that of Avaya.

Shared port, SFP: New shared port functionality using the "shared-port auto-select" command is now supported on the 4526GTX, 4526GTX-PWR, 4548GT, and 4548GT-PWR which allows customers to force the selection of either the copper 10/100/1000 port or the SFP port. (**wi00934144, wi00491271**)

Shared Ports, EDM: If a SFP is inserted into a shared port, the port now shows correctly in Enterprise Device Manager (EDM) and the associated MIB entries as being active. (**wi00832588**)

Upgrade, Configuration Loss: An issue which was seen where some port/MLT setting were lost when upgrading to a private build versions of 5.4 software is now addressed. (**wi00898364)**

VLAN, CPU Utilisation: In some configurations with over 740 VLANs configured, the CPU utilization of the switch now no longer maintains 100% while performing a "show running-config" command. (**wi00907462**)

8. Outstanding Issues
None.

9. Known Limitations
None.

10. Documentation Corrections
For other known issues, please refer to the product release notes and technical documentation available from the Avaya Technical Support web site at: http://www.avaya.com/support .