1. Release Summary

Release Date: 30-September-2009
Purpose: Software patch release to address customer found software issues.

2. Important Notes Before Upgrading to This Release

None.

3. Platforms Supported

Ethernet Switch 460/470/470-PWR

4. Notes for Upgrade

For customers upgrading from software versions older than 3.5.4, a series of upgrades are required to prevent configuration corruption under some circumstances. This upgrade path includes the following releases: 2.5, 3.0, 3.2.1, 3.5.4, and 3.7.4. The specific number of upgrades required depends on the currently loaded code version. For instance, if the current version is 3.2.1, one must upgrade to 3.5.4 first and then to 3.6.8. If the current version is for example 3.6.8, then an upgrade directly to 3.7.4 is possible. Alternatively if customers are running software release prior to 3.5.4, then can upgrade to 3.7.4 but should then perform a reset to factory defaults after the upgrade. It is also recommended to download the agent code before upgrading to the new diagnostic code, if this procedure is not followed the GBIC ports may not always functions properly.

Please see "Nortel Ethernet Switch 460/470 Release Notes - Software Release 3.7" (Part No. 217103-D, available at http://www.nortel.com/support, select Switches & Hubs, then your Ethernet Switch model) for details on how to upgrade your switch.

File Names for This Release

File Name	Module or File Type	File Size (bytes)
470_37414.img	Agent code image	2,572,153
470_37415s.img	Agent code image (SSH)	2,650,775
470_3607_diag.bin	Diagnostic image	457,760

5. Version of Previous Release

Software Version 3.7.3.

6. Compatibility

This software release is managed with Java Device Manager (JDM) release 6.0.2 or later.

7. Changes in This Release

New Features in This Release

None.

Old Features Removed From This Release

None.

Problems Resolved in This Release

The memory leak issue identified with 3.7.3 software which resulted in error messages such as: (tTopology): memPartAlloc: block too big - 1610 in partition; or (tIgmp): memPartAlloc: block too big - 1610 in partition is now resolved (**Q02027466**).

The memory leak issue identified with 3.7.3 software when SNMP polling is occurring has been rectified (**Q02014086**).

A Memory leak which occurred when performing a MIB walk on "entityMIB" has been rectified (**Q02015445**).

When two or more telnet sessions are connected to a switch and the IP address of the switch is changed, the new IP address now takes effect as expected. (**Q01812713-04**).

When upgrading from some 3.6.x releases the QoS default Role Combinations are now correctly retained as allBPSIfcs (**Q02016261**).

When non-EAP (NEAP) clients are connected on port with "allow-non-eap-enable" and "non-eap-pwd-fmt mac-addr" options enabled the switch now generates the RADIUS password without with periods at the start and end of the password **(Q01936857-01**).

Windows EAP clients are now correctly authenticated on the first attempt when MHMA is configured on the port (**Q01830845-02**).

When 802.1X (EAP) is globally disabled then re-enabled and the EAP port status is set to auto, the switch now correctly sends an EAP ID request when EAP is globally enabled (**Q01940988**).

An error message which was incorrectly displayed in certain situations when EAP was globally disabled and then enabled is no longer produced (**Q01941013**).

VLACP operation has been changed to match implementation on ERS modular and other stackable platforms with the latest software releases. A link for which VLACP is configured will remain in a blocked state until partnership is correctly formed with the VLACP partner (**Q01799355**).

When VLACP is globally disabled and enabled multiple times in succession on a stack of switches, VLACP now correctly remains operations (**Q01939117**).

When multicast traffic is being transmitted over a Distributed Multi-Link Trunk (D-MLT) if the first the link over which the multicast traffic was flowing is removed, the multicast traffic will now correctly move to other links in the D-MLT (**Q01944496**).

When multicast traffic is being transmitted over a Distributed Multi-Link Trunk (D-MLT) if all links are removed then the first link is reconnected, the multicast traffic will now correctly be forwarded across this link (**Q01938217**).

In some situations when a port in learning or forwarding state is removed from all VLANs in a STP group and is then added to a VLAN with STP disabled traffic will now be correctly forwarded. (**Q01770208**).

AUR now works correctly when the stack is operating with a Temporary Base Unit (TBU) (**Q01939817**).

When the Spanning Tree state and Spanning Tree compatibility mode of a replacement unit is different to that of an operational stack, AUR will now correctly perform an update on the replacement unit and allow that unit to join the stack (**Q01983055**).

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 Nortel Technical Support web site at: http://www.nortel.com/support .