Ethernet Routing Switch 4500
Software Release 5.1.1

1. Release Summary

Release Date: 06-February-2008
Purpose: Software patch release to address customer 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 "Release Notes for the Ethernet Routing Switch 4500 " (Part No. 322818-C, available at
http://www.nortel.com/support, select Ethernet Routing Switch family, then select the appropriate Ethernet Routing
Switch 4500 model) for details on how to upgrade your Switch.

File Names For This Release:

File Name	Module or File Type	File Size (bytes)
4500_511004.img	Agent code image	5,308,008
4500_511005s.img	Agent code secure image (SSH)	5,551,800
4500_5107_diag.bin	Diagnostic image	1,580,460

5. Version of Previous Release

Software Version 5.1.0

6. Compatibility

This software release is managed with Java Device Manager (JDM) release 6.0.9.

7. Changes in This Release

New Features in This Release
None.

Old Features Removed From This Release
None.

Problems Resolved in This Release

Reference Number	Description
Q01770094	802.3ad LAGs now operate the same on the ERS4500 as on the ERS5500 and ES470. Now when a single link remains in a LAG, the switch continues to treat the LAG as an aggregation group. This means that if a LAG with 2 or more members is reduced to 1 link, then no longer will a STP or RSTP state change occur, which would have resulted in network reconvergence.
Q01773986	Appletalk user defined protocol-vlans are now supported on the ERS4500.
Q01781349	The snmp-server host configuration is now correctly saved to the configuration file if autosave to NVRAM is disabled and the 'copy config nvram' command is used.
Q01781360	When operating an ERS4500 stack with MAC security enabled, if the power is simultaneously removed from all but one non-base unit in the stack, then traffic on the remaining unit may be impacted. Depending on where the MAC addresses were previously learnt within the stack, they were intermittently treated as intruders by the MAC security application.
Q01781385	When operating in a stack of 3 or more ERS4500 switches with autosave disabled, if the base unit and other non-base units, with DMLT configured, were powered down simultaneously immediately after issuing the 'copy config nvram' command, then the DMLT configuration may become corrupted.
Q01788992, Q01788992-01, Q01812612	When an IGMP query was received across a DMLT connection and the IGMP query was not received on the first link in the DMLT, then the IGMP query was reflected back across the DMLT links.
Q01793281	When issuing the show mac-address-table command, the number of MAC addresses reported in the summary header would sometimes not equal the number of addresses displayed in the table. The list of MAC addresses displayed in the table was always correct.
Q01795339	If autosave to NVRAM was disabled and the switch was then loaded with a binary configuration file, then sometimes the switch configuration may be reset to factory defaults. This did not occur if autosave was enabled (the default setting).
Q01815923	When operating an ERS4500 stack with MAC security enabled, if the power is simultaneously removed from all but one non-base unit in the stack, then MAC security may not correctly relearn addresses if devices are moved to different ports during this outage.

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 .