

### 1. Release Summary

Release Date: Aug-13-2004

Purpose: Software maintenance release to address customer found software issues.

### 2. Platforms Supported

Passport 1600 L3 switch.

### 3. Notes for Upgrade

Please see Release Notes for the Passport 1600 Series Switch Software Release 1.1. (Part No 316859-E Rev 00, see <http://www.nortelnetworks.com/documentation>, select Passport family) and Release Notes document for Release 1.1 for details on how to upgrade your Passport 1600.

#### File names in this release

Module or file type	File name	File Size(Bytes)
1600 Series switch files		
MIB	p16a1110.mib.zip	376849
Run-time image	p16a1110.img	2981138
Run-time image with SSH Encryption	p16c1110.img	2984516

### 4. Version of Previous Release

Version 1.1

### 5. Compatibility

This software release is managed with Java Device Manager (JDM) release 5.7.8

### 6. Changes in This Release

#### New Features in This Release

- Passport 1600 series release 1.1.1 now supports configuring static ARP entries with multicast MAC addresses. (Q00944053)
- With Passport 1600 series release 1.1.1 the telnet banner is configurable. (Q00893786)

## Old Features Removed From This Release

None

## Problems Resolved in This Release

### Platform

#### General

- Using software release 1.1.1 Passport 1600 series will no longer go into an unstable condition randomly on which certain L3 functionalities were not possible. (Q00910146)

### Hardware

#### GBICs

- On certain SX GBICs, the Passport 1600 software will no longer see a link up event when no fiber is connected to the GBIC. (Q00885732-01)

### Bridge

- Passport 1600 release 1.1.1 will now bridge the traffic through the correct path when a downstream BS470 link fails. This condition is also true on a link recovery (Q00925622-01)
- Passport 1600 release 1.1.1 will now flood packets with unknown MAC destination address on all ports after a STP change. (Q00916207-01)

### MLT

- Passport 1600 release 1.1.1 will now add a static MAC address to all participating ports of an MLT. This will now guarantee that the traffic is redirected to other ports of the MLT if the forwarding port fails. (Q00943647-01)

### IP Unicast

#### General

## Bootp

- Passport 1600 series will no longer drop bootP packets with a broadcast destination address. (Q00877401)

## OSPF

- Using Passport 1600 release 1.1.1 the OSPF neighbor state will no longer stay at exchangedstart after the primary link fails. (Q00927373-01)

## TFTP

- Pass 1600 release 1.1.1 will now transfer config files to servers through TFTP successfully (Q00928287-01).

## 7. Known Limitations

- When using GBICs in MLT configurations, OSPF may take a long time to be stable if the MLTs are configured in "force mode 1000\_full" (Q00961939).
- The predefined protocol sna802dot2 option has been programmed to identify SNA frames by looking in the DSAP and SSAP fields of an LLC frame for the values 04 and 04.

This means that both fields have to be set to 04 in order for the frame to be accepted in sna802dot2 protocol based vlan.

In SNA a client initiates a session by sending out a test poll with DSAP and SSAP field set to 04 and 00 respectively. The Host then responds with a Test Poll Response with DSAP and SSAP fields set to 04 and 01 respectively. Furthermore as seen on traces taken of a SNA session between a host and a client, different control frames from the host may have DSAP and SSAP set for 04 and 05 respectively.

A workaround is possible by overlapping 3 protocol based vlans on top of the standard sna802dot2 as shown below:

```
config vlan default delete 1-8
#
```

```
create vlan SNA0404 vid 20 type protocol-sna802dot2
config vlan SNA0404 add untagged 1-8
#
create vlan SNA0004 vid 21 type protocol-userDefined 0x0004 enc llc
config vlan SNA0004 add untagged 1-8
#
create vlan SNA0401 vid 22 type protocol-userDefined 0x401 enc llc
config vlan SNA0401 add untagged 1-8
#
create vlan SNA0405 vid 23 type protocol-userDefined 0x405 enc llc
config vlan SNA0405 add untagged 1-8
```

In the example above ports 1-8 have been configured as part of the workaround protocol based SNA as long as the four vlans are treated as one, the Passport will be able to keep all the different types of SNA frames under control.  
(Q00912053, Q00912070)

- Passport 1600 displays a blank serial number. This is true on the Command Line Interface (CLI), Java Device Manager (JDM) and the Web Interface.(Q00887935)
- The uninstall feature on Java Device Manager version 5.7.8 does not work properly.
- IP subnet VLANs can be configured either with **all** the ports to be untagged or **all** the ports to be tagged. This means that no tagged/hybrid port can be a member of a subnet-based VLAN when it is configured with untagged ports. (Q00952328)

## **8. Documentation Additions**

None

For other known issues, please refer to version 1.1 release notes on the Nortel Networks web site at: <http://www.nortelnetworks.com/documentation>.