



July 31, 2008
Captain Richard J. Duncan, USMC
Joint Interoperability Test Command
Fort Huachuca, Arizona

Subject: Dell LoC based on Marvell's ROS-7.47 SW stream for IPv6 DoD Compliance

Captain Duncan,

Dell has reviewed the DoD IPv6 Standard Profiles for IPv6 Capable Products Version 2.0, 01 August 2007 and used it as the basis for this Letter of Compliance.

The ROS Software package from Marvell is used in Dell PowerConnect Managed Layer2 switches incorporating the Marvell Prestera-DX family of ASICs, specifically the PowerConnect 5424, 5448, 3524, 3524P, 3548 and 3548P.

All such Managed Layer2 Switches share the same architecture and inherit the capabilities of the ROS SW package, along with the switching capabilities of the Prestera-DX Silicon family. In this regard, these Managed Layer2 switch products all have the same IPv6 capabilities and consequently need to be tested only once.

Marvell's Software package, ROS-7.47, along with Prestera-DX family, is in compliance with the RFCs listed below, based on the Network Appliance class of product.

Base requirement:

RFC 2460 - Internet Protocol v6 (IPv6) Specification
RFC 5095 - Deprecation of Type 0 Routing Header
RFC 4861 - Neighbor Discovery for IPv6
RFC 2462 - IPv6 Stateless Address Auto-configuration
RFC 4443 - Internet Control Message Protocol (ICMPv6)
RFC 1981 - Path MTU Discovery for IPv6
RFC 4007 - IPv6 Scoped Address Architecture
RFC 4193 - Unique Local IPv6 Unicast Addresses
RFC 4291 - IP Version 6 Addressing Architecture

Transition Mechanism

RFC 421 3 (section 2) - Transition Mechanisms for Hosts and Routers: Dual Stack

Multicast

RFC 271 0 - Multicast listener Discovery (MLD) for IPv6

Connection Technologies (a single Technology is sufficient)

RFC 2464 - Transmission of IPv6 over Ethernet networks

Network Management

RFC 341 1 - Architecture for Describing SNMPv3
RFC 3412 - Message Processing and Dispatching for SNMP
RFC 341 3 - SNMP Applications

Best regards,

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