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Joint Interoperability Test Command
 P.O. Box 12798
 2001 Brainard Rd.
 Fort Huachuca, AZ 85670

Attn: Capt Duncan
 Subject: Dell PowerConnect 6200 Series Layer 3 Switches

To whom it may concern,

The Dell PowerConnect 6200 Series of switches have been tested for conformance and to the best of our knowledge complies with the DoD standard for an IPv6 Layer 3 Switch operating as an Interior Node, as outlined in the August 2007 version of DoD's IPv6 Standard Profiles for IPv6 Capable Products Version 2.0. Please note that the test results generated by the the JITC are considered the proprietary confidential information of the Dell Computer Corporation and Broadcom Corporation.

The following platforms, as a part of the family identified in the table below, are compliant to the RFC list that immediately follows the product table.

Product Family	Platforms
Dell PowerConnect 6200 Series Switches	PC6224, PC6224F, PC6224P, PC6248, PC6248P

The listed platforms are compliant to the RFC's below based on the Dell PowerConnect 6200 Series, Software Version 3.0.0.x.

Supported	Layer-3 (L3) Switch Requirements (Intermediate Node)	Notes
IPv6 Base		
Yes	RFC 1981 - Path MTU Discovery for IPv6	
Yes	RFC 2460 - Internet Protocol v6 (IPv6) Specification	
Yes	RFC 2461 - Neighbor Discovery for IPv6	
Yes	RFC 2462 - IPv6 Stateless Address Auto-configuration or RFC 3315 Dynamic Host Configuration Protocol for IPv6 (DHCPv6) or both.	SLAAC
Yes	RFC 2462 - IPv6 Stateless Address Auto-configuration (Section 5.5 only)	
Yes	RFC 4007 - IPv6 Scoped Address Architecture	We support the notion of address scoping, but do not provide the ability to define multicast zone boundaries.
Yes	RFC 4193 - Unique Local IPv6 Unicast Addresses	We believe there nothing in our software that prevents the user from following the procedures described in this RFC.

Supported	Layer-3 (L3) Switch Requirements (Intermediate Node)	Notes
Yes	RFC 4213 - Basic Transition Mechanisms for IPv6 Hosts and Routers	
Yes	RFC 4291 - IP Version 6 Addressing Architecture	
Yes	RFC 4443 - Internet Control Message Protocol (ICMPv6)	
Yes	RFC 2710 - Multicast Listener Discovery (MLD) for IPv6	
Yes	RFC 3810 - Multicast Listener Discovery Version 2 (MLDv2) for IPv6 (Required support for at least one of the below)	
Yes	RFC 2464 - Transmission of IPv6 Packets over Ethernet Networks	
No	RFC 2467 - Transmission of IPv6 Packets over FDDI Networks	n/a
No	RFC 2472 - IP Version 6 over PPP	n/a
No	RFC 3572 - IPv6 over MAPOS (Multiple Access Protocol over SONET/SDH) (JITC Recommended)	n/a
<i>(Optional additional connection technologies)</i>		
No	RFC 2491 - IPv6 Over Non-Broadcast Multiple Access (NBMA) Networks	n/a
No	RFC 2492 - IPv6 over ATM Networks January 1999	n/a
No	RFC 2497 - Transmission of IPv6 Packets over ARCnet Networks	n/a
No	RFC 2590 - Transmission of IPv6 Packets over Frame Relay Networks Specification	n/a
No	RFC 3146 - Transmission of IPv6 over IEEE 1394 Networks	n/a
No	RFC 4338 - Transmission of IPv6, IPv4, and Address Resolution Protocol (ARP) Packets over Fibre Channel	n/a

Net Management

Yes	RFC 3411 - An Architecture for Describing Simple Network Management Protocol (SNMP) Management Frameworks	
Yes	RFC 3412 - Message Processing and Dispatching for the Simple Network Management Protocol (SNMP)	
Yes	RFC 3413 - SNMP Applications	

Sincerely,

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