



April 18, 2008

Capt. Richard J. Duncan
Joint Interoperability Test Command
Ft. Huachuca, AZ

Captain Duncan:

This letter states that Dell, Inc.'s **Dell Precision M6400 64-bit** desktop computer, to the best of our knowledge, complies with the August 2007 version 3, Section 1.6 of DoD's IPv6 Standard Profiles for IPv6 Capable Products, as a "Host/Workstation" End Node running the following services:

HTTP (HyperText Transfer Protocol)
SMTP (Simple Mail Transfer Protocol)
FTP (File Transfer Protocol)

The Dell Precision M6400 64-bit is an x86-based notebook computer designed to deliver optimal performance and graphics in a mobile package.

Please note that any testing conducted by JITC pursuant to IPv6 Certification, and the results thereof, are proprietary confidential information of Dell, Inc., and constitute a Dell trade secret.

Dell's Precision M6400 64-bit supports the following RFCs as indicated in Appendix (C) of the document "DoD IPv6 Standard Profiles for IPv6 Capable Products, Version 3.0", dated August 1, 2007:

Section 2.1: Base Requirements

RFC 1981 – Path MTU Discovery for IPv6
RFC 2460 – Internet Protocol v6 (IPv6) Specification
RFC 2461 – Neighbor Discovery for IPv6
RFC 2462 – IPv6 Stateless Address Auto-configuration
RFC 4007 – IPv6 Scoped Address Architecture
RFC 4193 – Unique Local IPv6 Unicast Addresses
RFC 4291 – IP Version 6 Addressing Architecture
RFC 4443 – Internet Control Message Protocol (ICMPv6)
RFC 2710 – Multicast Listener Discovery (MLD) for IPv6
RFC 3810 – Multicast Listener Discovery, version 2 (MLDv2) for IPv6
RFC 2464 – Transmission of IPv6 packets over Ethernet networks
RFC 3315 – Dynamic Host Configuration Protocol for IPv6

Section 2.2: IP Security Layer (IPSec) Functional Requirements

RFC 4301 – Architecture
RFC 4302 – IP Authentication Header (AH)
RFC 4303 – Encapsulating Security Payload (ESP)



RFC 4305 – Cryptographic Algorithm Implementation Requirements for Encapsulating Security Payload (ESP) and Authentication Header (AH)
RFC 3041 – Privacy Extensions for Stateless Address Autoconfiguration in IPv6

Section 2.3: Transition Mechanism (TM) Functional Requirements

RFC 4213 – Transition Mechanisms for IPv6 Hosts and Routers

Section 3.1.1: Host/Workstation Product Class Profile

RFC 3484 – Default Address Selection for IPv6
RFC 3596 – DNE Extensions to Support IPv6 (Hosts must be capable of using IPv6 DNS)
RFC 3986 – Uniform Resource Identifier (URI): Generic Syntax

Other Requirements

The following IKEv1 (Internet Key Exchange, version 1) RFCs are currently supported:

RFC 2407 - The Internet IP Security Domain of Interpretation for ISAKMP
RFC 2408 - Internet Security Association and Key Management Protocol (ISAKMP)
RFC 2409 - The Internet Key Exchange (IKE)
RFC 4109 - Algorithms for IKEv1

The planned operating system software for IPv6 support on Dell's Precision M6400 64-bit family is: Microsoft Windows Vista, 64-bit version.

Other RFCs are listed as "optional" or "N/R"; it is not Dell's intention to support those RFCs at this time.

Sincerely,



Jim Leftwich
Director, Engineering