April 7, 2008

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

Captain Duncan:

This letter states that Dell, Inc.'s **Latitude D630** notebook 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 Latitude D630 is a mainstream full-featured x86-based notebook computer designed to deliver a balanced mix of performance, graphics and mobility — all packed into a compact, lightweight 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.

The Latitude D630 is representative of a family of Dell products sharing identical networking stack, including same generation of Ethernet controller and same Ethernet controller driver, hereinafter referred to as "Dell's Latitude D630 family". Certification of the Latitude D630 shall also apply to these other members of this product family:

Latitude D630, 32-bit
Latitude D630C, 32-bit
Latitude D630ATG, 32-bit
Latitude D630XFR, 32-bit
Latitude D430, 32-bit
Latitude XT, 32-bit
Latitude D830, 32-bit
Latitude D530, 32-bit
Latitude D531, 32-bit
Precision M2300, 32-bit
Precision M4300, 32-bit
Precision M6300, 32-bit

Latitude D630, 64-bit
Latitude D630C, 64-bit
Latitude D630ATG, 64-bit

Latitude D430, 64-bit
Latitude XT, 64-bit
Latitude D830, 64-bit

Precision M2300, 64-bit
Precision M4300, 64-bit
Precision M6300, 64-bit

Dell's Latitude D630 family 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 Latitude D630 family is: Microsoft Windows Vista, in 32-bit or 64-bit version, as appropriate, by model.

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

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