



Wireless Driver Platform Lockout Proposal

Comms Wireless Development Engineering

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Note: Please refer to <http://cec.us.dell.com> to see if a newer version exists

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Document Revision History

Version	Date	Description	Name
0.1	04-02-2004	Initial Draft	Benjamin Kelley

DRAFT

1.0 Purpose

The purpose of this document is to outline an implementation that prevents a wireless driver from installing on predetermined platforms.

2.0 Implementation

Wireless NDIS 5.1/5.0 drivers and associated applications will be blocked from installing on predetermined systems based on a system PCI Device ID or *Regulatory ID*. The system Device ID and *Regulatory ID* are stored in the SMBIOS table. Because the SMBIOS information can not be read directly from Windows and not all information elements are exposed via WMI, Dell will provide a 16-bit DOS application that will query the appropriate SMBIOS tables and map the information into the Windows registry at

HKEY_LOCAL_MACHINE\SOFTWARE\Dell Computer Corporation\SysInfo

The vendor is responsible for architecting their Install Shield (MSI) package such that sysinfo.exe is executed (e.g. “launchappandwait()”) to generate the appropriate SMBIOS information in the registry. The Install Shield package is then required to query the following keys:

If “**System Manufacturer**” does not contain the string “Dell”
Then fail (“Installation not supported on non Dell platforms.”)
Else if “**SystemId**” is not found in SystemId map OR “**RegulatoryID**” is not found in
RegulatoryID map
Then fail (“Installation not supported on this platform.”)

The Install shield package is responsible for checking the SystemId and RegulatoryID against values stored in a separate file (e.g. .ini). The vendor is responsible for providing basic encryption/decryption tools that allow Dell to scramble the SystemID/RegulatoryID lists into the .ini file. This allows Dell to add support for new systems to existing Installer packages, and prevents the driver lock from being circumvented.

3.0 References

Dellinfo.zip (pw = “dell”)