# Protocols Device Path Protocol Test

## Device Path Node Conformance Test

Reference Document:

*UEFI Specification*, Device Path Nodes Section.

|  |  |  |  |
| --- | --- | --- | --- |
| Number | GUID | Assertion | Test Description |
| 5.4.1.1.1 | 0x91064ab1, 0x5408, 0x48c1, 0xbb, 0xd9, 0x2a, 0x49, 0xee, 0xe2, 0x1d, 0xc9 | EFI\_DEVICE\_PATH\_PROTOCOL - Check End of Hardware Device Path - End This Device Path. | Verify the device path nodes. Type: 0x7F or 0xFF. Sub-Type: 0xFF. Length: 4 bytes. |
| 5.4.1.1.2 | 0xb5a0ee55, 0x0070, 0x472d, 0x84, 0xcd, 0xbc, 0xb1, 0xe2, 0xbc, 0x25, 0xc0 | EFI\_DEVICE\_PATH\_PROTOCOL - Check Hardware Device Path - PCI Device Path. | Verify the device path nodes. Type: 1.Sub-Type: 1.Length: 6 bytes. |
| 5.4.1.1.3 | 0x2902b389, 0xe4e7, 0x43cd, 0x9e, 0xff, 0xdc, 0x3f, 0xaa, 0xff, 0x12, 0xfa | EFI\_DEVICE\_PATH\_PROTOCOL - Check Hardware Device Path - PCCARD Device Path. | Verify the device path nodes. Type: 1.Sub-Type: 2.Length: 5 bytes |
| 5.4.1.1.4 | 0x745df5f1, 0x7d97, 0x4297, 0xaf, 0x5a, 0xc5, 0xca, 0x67, 0x28, 0x39, 0x18 | EFI\_DEVICE\_PATH\_PROTOCOL - Check Hardware Device Path - Memory Mapped Device Path. | Verify the device path nodes. Type: 1.Sub-Type: 3.Length: 24 bytes. Memory Type < EfiMaxMemoryType, or Memory Type > 0x7FFFFFFF.End Address >= Start Address. |
| 5.4.1.1.5 | 0xc8f02111, 0x1de9, 0x4df2, 0x8f, 0x17, 0xbb, 0x12, 0x9b, 0xa6, 0x4d, 0xfe | EFI\_DEVICE\_PATH\_PROTOCOL - Check Hardware Device Path - Vendor Device Path. | Verify the device path nodes. Type: 1.Sub-Type: 4.Length>=20 bytes. |
| 5.4.1.1.6 | 0x1c206e49, 0x6638, 0x469d, 0x8c, 0x9c, 0x26, 0x13, 0x85, 0x8e, 0x4d, 0x77 | EFI\_DEVICE\_PATH\_PROTOCOL - Check Hardware Device Path - Controller Device Path. | Verify the device path nodes. Type: 1.Sub-Type: 5.Length: 8 bytes. |
| 5.4.1.1.7 | 0xcedef0c0, 0x24cc, 0x4d36, 0x9d, 0x31, 0x9b, 0x9a, 0xf4, 0x63, 0xe6, 0x95 | EFI\_DEVICE\_PATH\_PROTOCOL - Check ACPI Device Path - ACPI Device Path. | Verify the device path nodes. Type: 2.Sub-Type: 1.Length: 12 bytes. |
| 5.4.1.1.8 | 0xf497a21b, 0x8bb4, 0x4310, 0xba, 0xcf, 0xf6, 0xfc, 0x18, 0xda, 0x46, 0x9e | EFI\_DEVICE\_PATH\_PROTOCOL - Check ACPI Device Path - Expanded ACPI Device Path. | Verify the device path nodes. Type: 2.Sub-Type: 2.Length>=19 bytes. |
| 5.4.1.1.9 | 0xc3b2ba41, 0x7126, 0x4b7a, 0xab, 0xdc, 0x7d, 0x1b, 0x46, 0x3d, 0x9b, 0xd7 | EFI\_DEVICE\_PATH\_PROTOCOL - Check ACPI \_ADR Device Path - ACPI \_ADR Device Path. | Verify the device path nodes. Type*:* 2.Sub-Type*:* 3. Length>=8 bytes. |
| 5.4.1.1.10 | 0xf52ef05c, 0x4a10, 0x4857, 0xb9, 0x8c, 0x01, 0xd8, 0x15, 0x6e, 0xf8, 0x3f | EFI\_DEVICE\_PATH\_PROTOCOL - Check Messaging Device Path - ATAPI Device Path. | Verify the device path nodes. Type: 3.Sub-Type: 1.Length: 8 bytes. PrimarySecondary: 0 or 1.SlaveMaster: 0 or 1. |
| 5.4.1.1.11 | 0x3e3eaf27, 0xf811, 0x4060, 0x97, 0xe1, 0x13, 0xfc, 0x5a, 0x51, 0x6c, 0x0c | EFI\_DEVICE\_PATH\_PROTOCOL - Check Messaging Device Path - SCSI Device Path. | Verify the device path nodes. Type: 3.Sub-Type: 2.Length: 8 bytes. |
| 5.4.1.1.12 | 0x8f24a32d, 0xb167, 0x42df, 0x85, 0xc3, 0xa3, 0xec, 0x68, 0x4a, 0x79, 0x80 | EFI\_DEVICE\_PATH\_PROTOCOL - Check Messaging Device Path - Fibre Channel Device Path. | Verify the device path nodes. Type: 3.Sub-Type: 3.Length: 24 bytes. |
| 5.4.1.1.13 | 0xfd1e18a9, 0x0fd6, 0x4ea4, 0xac, 0xea, 0xe6, 0xc4, 0xd1, 0x73, 0x97, 0x52 | EFI\_DEVICE\_PATH\_PROTOCOL - Check Messaging Device Path - 1394 Device Path. | Verify the device path nodes. Type: 3.Sub-Type: 4.Length: 16 bytes. |
| 5.4.1.1.14 | 0x758cfe7a, 0x1463, 0x4f29, 0x8c, 0x5b, 0x0e, 0x3a, 0x04, 0x17, 0x5d, 0xf8 | EFI\_DEVICE\_PATH\_PROTOCOL - Check Messaging Device Path - USB Device Path. | Verify the device path nodes. Type: 3.Sub-Type: 5.Length: 6 bytes. |
| 5.4.1.1.15 | 0xd1527a5c, 0xc1bd, 0x4585, 0x93, 0x23, 0xa5, 0xea, 0xc7, 0xd5, 0x12, 0x7b | EFI\_DEVICE\_PATH\_PROTOCOL - Check Messaging Device Path - USB Device Path (WWID). | Verify the device path nodes.Type*:* 3.Sub-Type*:* 16. Length *>=*10bytes. |
| 5.4.1.1.16 | 0x50e59956, 0x46fd, 0x4b21, 0xb5, 0x57, 0x9a, 0x33, 0xb2, 0x08, 0xd3, 0x41 | EFI\_DEVICE\_PATH\_PROTOCOL - Check Messaging Device Path - Device Logical Unit. | Verify the device path nodes.Type*:* 3.Sub-Type*:* 17. Length: 5 bytes. |
| 5.4.1.1.17 | 0x2eb2da32, 0x351d, 0x4743, 0x80, 0x55, 0xea, 0x23, 0x75, 0x69, 0x61, 0xc2 | EFI\_DEVICE\_PATH\_PROTOCOL - Check Messaging Device Path – USB Device Path (Class). | Verify the device path nodes. Type: 3.Sub-Type: 15.Length: 11 bytes. |
| 5.4.1.1.18 | 0xba91dcd7, 0x719d, 0x4803, 0xaf, 0xe2, 0x61, 0x02, 0x1b, 0x31, 0x9b, 0x1f | EFI\_DEVICE\_PATH\_PROTOCOL - Check Messaging Device Path - I2O Device Path. | Verify the device path nodes. Type: 3.Sub-Type: 6.Length: 8 bytes. |
| 5.4.1.1.19 | 0xb10c12a3, 0x8faa, 0x408a, 0x83, 0x63, 0x35, 0x6c, 0x74, 0x95, 0xe6, 0x80 | EFI\_DEVICE\_PATH\_PROTOCOL - Check Messaging Device Path - MAC Address Device Path. | Verify the device path nodes. Type: 3.Sub-Type: 11.Length: 37 bytes. |
| 5.4.1.1.20 | 0xdd68e9c3, 0x28e1, 0x44c7, 0x9c, 0x31, 0xba, 0xcc, 0x80, 0x4e, 0xe4, 0xb3 | EFI\_DEVICE\_PATH\_PROTOCOL - Check Messaging Device Path - IPv4 Device Path. | Verify the device path nodes. Type: 3.Sub-Type: 12.Length: 19 bytes. StaticIPAddress: 0x00 or 0x01. |
| 5.4.1.1.21 | 0x2da145c3, 0x7d26, 0x4715, 0x8e, 0xfb, 0xf2, 0x35, 0xd5, 0x51, 0xe0, 0x77 | EFI\_DEVICE\_PATH\_PROTOCOL - Check Messaging Device Path - IPv6 Device Path. | Verify the device path nodes. Type: 3.Sub-Type: 13.Length: 43 bytes. StaticIPAddress: 0x00 or 0x01. |
| 5.4.1.1.22 | 0xfcac17d1, 0xc792, 0x417a, 0x86, 0x99, 0x26, 0x11, 0xd0, 0xae, 0xc5, 0xba | EFI\_DEVICE\_PATH\_PROTOCOL - Check Messaging Device Path - InfiniBand Device Path. | Verify the device path nodes. Type: 3.Sub-Type: 9.Length: 48 bytes. |
| 5.4.1.1.23 | 0x5f832ee4, 0x1d93, 0x42bf, 0x94, 0xea, 0xf8, 0x1b, 0x30, 0x1a, 0x9e, 0xf7 | EFI\_DEVICE\_PATH\_PROTOCOL - Check Messaging Device Path - UART Device Path. | Verify the device path nodes. Type: 3.Sub-Type: 14.Length: 19 bytes. Parity: 0x00~0x05.Stop Bits: 0x00~0x03. |
| 5.4.1.1.24 | 0x86499222, 0x650a, 0x4492, 0x92, 0x2d, 0x46, 0x84, 0x4b, 0x1e, 0xb2, 0x0f | EFI\_DEVICE\_PATH\_PROTOCOL - Check Messaging Device Path - Vendor-Defined Device Path. | Verify the device path nodes. Type: 3.Sub-Type: 10.Length>=20 bytes. |
| 5.4.1.1.25 | 0x4c19f495, 0x7214, 0x48da, 0xb4, 0xc5, 0x2e, 0x6c, 0xae, 0xd2, 0x8f, 0xc9 | EFI\_DEVICE\_PATH\_PROTOCOL - Check Messaging Device Path - UART Flow Control Messaging Path. | Verify the device path nodes. Type: 3.Sub-Type: 10.Length: 24 bytes. Vendor\_GUID: DEVICE\_PATH\_MESSAGING\_UART\_FLOW\_CONTROL. Flow\_Control\_Map: 0 or 1. |
| 5.4.1.1.26 | 0x8e637c03, 0xa1df, 0x4ab6, 0xae, 0x29, 0x5b, 0x9c, 0xd8, 0x6c, 0x6d, 0x1e | EFI\_DEVICE\_PATH\_PROTOCOL - Check Messaging Device Path - Serial Attached SCSI (SAS) Device Path. | Verify the device path nodes.Type*:* 3.Sub-Type*:* 10.*Length*: 44 bytes.Vendor\_GUID*:* DEVICE\_PATH\_MESSAGING\_SAS |
| 5.4.1.1.27 | 0x885db334, 0x940b, 0x4ec3, 0x82, 0xe5, 0xc5, 0xf1, 0x1d, 0xdb, 0x2a, 0x42 | EFI\_DEVICE\_PATH\_PROTOCOL - Check Messaging Device Path - iSCSI Device Path. | Verify the device path nodes.Type: 3.Sub-Type*:* 19.*Length>=18* bytes. Options*:* Bit0=0x0, Bit2=0x0, Bit10=0x0 |
| 5.4.1.1.28 | 0x1856d9b9, 0x57db, 0x49eb, 0x97, 0x35, 0x68, 0x8a, 0xee, 0x43, 0x76, 0xf6 | EFI\_DEVICE\_PATH\_PROTOCOL - Check Media Device Path - Hard Drive Media Device Path. | Verify the device path nodes. Type: 4.Sub-Type: 1.Length: 42 bytes. MBR Type: 0x01 or 0x02.Signature Type: 0x00, 0x01 or 0x02. |
| 5.4.1.1.29 | 0x8b53dc1e, 0xb9be, 0x49d7, 0x86, 0xad, 0xd5, 0x12, 0x8e, 0x1f, 0x08, 0x34 | EFI\_DEVICE\_PATH\_PROTOCOL - Check Media Device Path - CD-ROM Media Device Path. | Verify the device path nodes. Type: 4.Sub-Type: 2.Length: 24 bytes. |
| 5.4.1.1.30 | 0x4c60bb0c, 0x8c00, 0x40f8, 0xa7, 0x35, 0x13, 0x4a, 0x56, 0x28, 0xe5, 0x21 | EFI\_DEVICE\_PATH\_PROTOCOL - Check Media Device Path - Vendor-Defined Media Device Path. | Verify the device path nodes. Type: 4.Sub-Type: 3.Length>=20 bytes. |
| 5.4.1.1.31 | 0xde41b8cb, 0x401f, 0x4b7f, 0xb2, 0x34, 0xf8, 0xfb, 0x29, 0x3f, 0xc5, 0x23 | EFI\_DEVICE\_PATH\_PROTOCOL - Check Media Device Path - File Path Media Device Path. | Verify the device path nodes. Type: 4.Sub-Type: 4.Length>=4 bytes. |
| 5.4.1.1.32 | 0xc9969745, 0x6507, 0x4695, 0xb1, 0x26, 0xc3, 0xf8, 0xe6, 0xd2, 0x86, 0xec | EFI\_DEVICE\_PATH\_PROTOCOL - Check Media Device Path - Media Protocol Device Path. | Verify the device path nodes. Type: 4.Sub-Type: 5.Length: 20 bytes. |
| 5.4.1.1.33 | 0x014988e5, 0xc211, 0x478d, 0x90, 0x6d, 0xf1, 0x6a, 0xb0, 0x73, 0x85, 0x0c | EFI\_DEVICE\_PATH\_PROTOCOL - Check BIOS Boot Specification Device Path. | Verify the device path nodes. Type: 5.Sub-Type: 1.Length>=8 bytes. |
| 5.4.1.1.34 | 0x3152ee5d, 0xd161, 0x4916, 0xa4, 0x13, 0x44, 0xa7, 0x79, 0x39, 0x16, 0x7f | EFI\_DEVICE\_PATH\_PROTOCOL - Check End of Hardware Device Path - End Entire Device Path. | Verify the device path nodes. Type: 0x7F or 0xFF.Sub-Type: 0xFF.Length: 4 bytes. |
| 5.4.1.1.35 | 0xab5c791b, 0x015c, 0x41b2, 0x93, 0xdf, 0x70, 0xf5, 0xc8, 0xaf, 0x3a, 0xec | EFI\_DEVICE\_PATH\_PROTOCOL – Check SATA Device Path. | Verify the device path nodes. Type: 3. SubType: 18. Length: 10 bytes |
| 5.4.1.1.36 | 0x2bbca783, 0x4c23, 0x477d, 0xa7, 0x50, 0xf3, 0xda, 0xfa, 0xbc, 0x38, 0xf6 | EFI\_DEVICE\_PATH\_PROTOCOL – Check PIWG Fireware Volume | Verify the device path nodes. Type: 4. SubType: 6. Length >= 4 bytes. |
| 5.4.1.1.37 | 0xbaaf24e1, 0x0c59, 0x4494, 0xaf, 0xef, 0x53, 0x02, 0xc1, 0x90, 0x57, 0x29 | EFI\_DEVICE\_PATH\_PROTOCOL – Check PIWG Fireware File | Verify the device path nodes. Type: 4. SubType: 7. Length >= 4 bytes. |
| 5.4.1.1.38 | 0xbe55aaa6, 0x7510, 0x4904, 0x98, 0x65, 0x8c, 0xa7, 0x16, 0x34, 0xd2, 0x03 | EFI\_DEVICE\_PATH\_PROTOCOL - Controller Device Path Node. | Verify the device path nodes. Type: 3. SubType: 20. 0 < VlanId < 4095 |
| 5.4.1.1.39 | 0x5658c849, 0xd7ed, 0x4780, 0x8e, 0xe7, 0x6d, 0xf2, 0x62, 0x48, 0x1d, 0xdb | EFI\_DEVICE\_PATH\_PR  OTOCOL – Check Fibre Channel Ex | Verify the device path nodes. Type: 3. SubType: 21. |
| 5.4.1.1.40 | 0x3f412961, 0x4872, 0x4aa9, 0xbe, 0xd2, 0x2b, 0x03, 0x5f, 0xbc, 0xcc, 0xb6 | EFI\_DEVICE\_PATH\_PR  OTOCOL – Check Serial Attached SCSI(SAS) Ex. | Verify the device path nodes. Type: 3. SubType: 22. |
| 5.4.1.1.41 | 0x2ed116cb, 0x1ec7, 0x468a, 0x9c, 0xf8, 0x0f, 0xf4, 0x41, 0x2a, 0x4b, 0xb1 | EFI\_DEVICE\_PATH\_PROTOC  OL– Check NVM  Express. | Verify the device path nodes.  Type: 3. SubType: 23, Length = 16 bytes. |
| 5.4.1.1.42 | 0x64770fbb, 0x280f, 0x40d5, 0x80, 0x33, 0x7, 0x82, 0x44, 0x7b, 0x3a, 0x2b | EFI\_DEVICE\_PATH\_PROTOCOL -  Check Hardware Device Path - BMC Device Path. | Verify the device path nodes. Type: 1. Sub-Type: 6. Length: 13 bytes. InterfaceType >= 0 and InterfaceType <= 3 |
| 5.4.1.1.43 | 0x88882137, 0x4e4d, 0x445a, 0xa1, 0xae, 0x11, 0xd8, 0xc2, 0xe1, 0xcf, 0xac | EFI\_DEVICE\_PATH\_PROTOCOL -  Check Messaging Device Path - Uniform Resource Identifiers (URI) Device Path | Verify the device path nodes. Type: 3. Sub-Type: 24. Length: >= 4 bytes. |
| 5.4.1.1.44 | 0xda928c4a, 0x6d22, 0x4091, 0x95, 0x8c, 0xe, 0xde, 0xa5, 0x3b, 0xc8, 0x2e | EFI\_DEVICE\_PATH\_PROTOCOL -  Check Messaging Device Path - Universal Flash Storage (UFS) Device Path | Verify the device path nodes. Type: 3. Sub-Type: 25. Length: 6 bytes |
| 5.4.1.1.45 | 0x71e0582d, 0x983, 0x468e, 0x9a, 0x5d, 0xd2, 0xe5, 0xbb, 0x8c, 0x52, 0x6c | EFI\_DEVICE\_PATH\_PROTOCOL -  Check Messaging Device Path - Secure Digital (SD) Device Path | Verify the device path nodes. Type: 3. Sub-Type: 26. Length: 5 bytes |
| 5.4.1.1.46 | 0x3d20f5d0, 0x670a, 0x4923, 0x91, 0x78, 0xb0, 0x1e, 0x6d, 0xe8, 0xee, 0x13 | EFI\_DEVICE\_PATH\_PROTOCOL -  Check Messaging Device Path - Bluetooth Device Path | Verify the device path nodes. Type: 3. Sub-Type: 27. Length: 10 bytes |
| 5.4.1.1.47 | 0x136c50de, 0xb2d4, 0x4416, 0xb4, 0x90, 0xe, 0x32, 0x85, 0xf1, 0x6a, 0x7 | EFI\_DEVICE\_PATH\_PROTOCOL -  Check Messaging Device Path - WIFI Device Path | Verify the device path nodes. Type: 3. Sub-Type: 28. Length: 36 bytes |
| 5.4.1.1.48 | 0x973269de, 0xdca6, 0x4ad9, 0x9b, 0x9b, 0x6, 0x40, 0xfa, 0x4d, 0xbd, 0xf5 | EFI\_DEVICE\_PATH\_PROTOCOL -  Check Relative Offset Range Device Path | Verify the device path nodes. Type: 4. Sub-Type: 8. Length: 24 bytes |
| 5.4.1.1.49 | 0x6e817459, 0x21fd, 0x4923, 0x89, 0xe7, 0xca, 0xf9, 0x7d, 0x9d, 0xc2, 0x27 | EFI\_DEVICE\_PATH\_PROTOCOL -  Check RAM Disk Device Path | Verify the device path nodes. Type: 4. Sub-Type: 9. Length: 38 bytes |
| 5.4.1.1.50 | 0xdf69547d, 0xd032, 0x44bd, 0xb0, 0x54, 0x7f, 0x34, 0x3c, 0x2c, 0x7d, 0x95 | EFI\_DEVICE\_PATH\_PROTOCOL –  Check eMMC Device Path. | Verify the device path node. Type: 3. Sub-Type: 29. Length: 5 bytes |

## Whole Device Path Conformance Test

|  |  |  |  |
| --- | --- | --- | --- |
| Number | GUID | Assertion | Test Description |
| 5.4.2.1.1 | 0x4d36889a, 0x938a, 0x45ae, 0xaa, 0x79, 0x89, 0x7f, 0xa3, 0x7e, 0x15, 0x99 | EFI\_DEVICE\_PATH\_PROTOCOL - BIOS Root Specification Device Path. | A Device Path containing the BIOS Boot Specification Device Path should contain only the required End Device Path structure and no other Device Path structures. |
| 5.4.2.1.2 | 0xf141747c, 0xf5f8, 0x43b9, 0x99, 0x9e, 0x45, 0xad, 0x37, 0xe1, 0x2a, 0x49 | EFI\_DEVICE\_PATH\_PROTOCOL - PCI Root Bus Device Path Node. | The device path node for PCI root bus is: ACPI Device Path: \_HID PNP0A03. It must be the first device path node. |
| 5.4.2.1.3 | 0xc44987b4, 0x9a29, 0x4b10, 0x82, 0xd3, 0xe9, 0x46, 0x81, 0x7e, 0x3c, 0x02 | EFI\_DEVICE\_PATH\_PROTOCOL - ACPI Device Path Node. | ACPI \_CRS Device Path Node must include  Floppy – ACPI Device Path: \_HID PNP0604  Keyboard – ACPI Device Path: \_HID PNP0301  Serial Port – ACPI Device Path: \_HID PNP0501  Parallel Port – ACPI Device Path: \_HID PNP0401.  EISA Device Path Nodes other than PCI Root Bus must be preceded by an ACPI Device Path Node. |
| 5.4.2.1.4 | 0xb28b09c6, 0x3b60, 0x48ce, 0xbf, 0x66, 0xac, 0xa1, 0xf6, 0x20, 0x6b, 0x01 | EFI\_DEVICE\_PATH\_PROTOCOL - PCI Device Path Node. | The PCI Device Path Node must be preceded by an ACPI Device Path Node that uniquely identifies the PCI root bus (Acpi(PNP0A03,0)) or another PCI Device Path Node. |
| 5.4.2.1.5 | 0x47f98975, 0x2945, 0x4198, 0x99, 0xa0, 0x7b, 0x07, 0xfe, 0xe0, 0x9b, 0x85 | EFI\_DEVICE\_PATH\_PROTOCOL - Memory Mapped Device Path Node. | The Memory Mapped Device Path Node must be the first device path node. |
| 5.4.2.1.6 | 0xfc86d0ef, 0xb3da, 0x4377, 0x99, 0x36, 0x56, 0x85, 0xb4, 0x59, 0x9e, 0x24 | EFI\_DEVICE\_PATH\_PROTOCOL - ATAPI Device Path Node. | The ATAPI Device Path Node must be preceded by a PCI Device Path Node. |
| 5.4.2.1.7 | 0x390d6af3, 0x78a8, 0x41ed, 0x99, 0x78, 0x16, 0x4d, 0xfe, 0x2b, 0x30, 0xc8 | EFI\_DEVICE\_PATH\_PROTOCOL - SCSI Device Path Node. | The SCSI Device Path Node must be preceded by a PCI Device Path Node. |
| 5.4.2.1.8 | 0xd456e708, 0x5b3c, 0x4f72, 0xae, 0xbb,0x7f, 0x94, 0x92, 0x76, 0x7b, 0xe1 | EFI\_DEVICE\_PATH\_PROTOCOL - USB Device Path Node. | The USB Device Path Node must be preceded by a PCI Device Path Node. |
| 5.4.2.1.9 | 0x436486e1, 0x4426, 0x427f, 0xa5, 0xc5, 0x45, 0xf2, 0x13, 0xef, 0x15, 0x88 | EFI\_DEVICE\_PATH\_PROTOCOL - PCI Option ROM Device Path Node. | The PCI Option ROM Device Path Node must be preceded by a PCI Device Path Node |
| 5.4.2.1.10 | 0x9619e2ad, 0x0358, 0x4aef, 0x98, 0x60, 0xb9, 0x08, 0xa3, 0xcc, 0x08, 0x7e | EFI\_DEVICE\_PATH\_PROTOCOL - Device Path must be terminated. | The Device Path must be terminated by an End of Device Path node with a sub-type of End the Entire Device Path. A NULL Device Path consists of a single End Device Path Node. A Device Path that contains a NULL pointer and no Device Path structures is illegal. |
| 5.4.2.1.11 | 0x59116d82, 0xaf34, 0x48a2, 0xaa, 0x22, 0xe4, 0x83, 0x7a, 0xd8, 0xe5, 0x8d | EFI\_DEVICE\_PATH\_PROTOCOL - Controller Device Path Node. | The Controller Device Path Node must be preceded by a PCI Device Path Node. |

## Device Path Utilities Protocol Interface Function Test

### CreatDeviceNode Functionality

|  |  |  |  |
| --- | --- | --- | --- |
| Number | GUID | Assertion | Test Description |
| 5.4.3.1.1 | 0x9831dfbb, 0x008e, 0x4b37, 0xb2, 0x3c, 0x76, 0x43, 0x7c, 0xa4, 0xee, 0x91 | EFI\_DEVICE\_PATH\_UTILITIES\_PROTOCOL. CreatDeviceNode - CreatDeviceNode()must set Type, SubType and Length correctly, return EFI\_DEVICE\_PATH. | 1. Call CreatDeviceNode() with a NodeType value of 1, a NodeSubType value of 1, and a NodeLength value of 6.  2. The return **EFI\_DEVICE\_PATH** structure should have Type, SubType and Length values that are the same as the ones set in **CreatDeviceNode()**. |
| 5.4.3.1.2 | 0xf7c1a5dd, 0x3683, 0x43a6, 0x8d, 0x90, 0x6b, 0x79, 0x12, 0xbd, 0x32, 0x1d | EFI\_DEVICE\_PATH\_UTILITIES\_PROTOCOL. CreatDeviceNode - CreatDeviceNode()must set Type, SubType and Length correctly, return EFI\_DEVICE\_PATH (another case). | 1. Call **CreatDeviceNode()** with a NodeType value of 2, a NodeSubType value of 1 and a NodeLength value of 12.  2. The return **EFI\_DEVICE\_PATH** structure should have Type, SubType and Length values the same as the ones set in **CreatDeviceNode()**. |

### AppendDeviceNode Functionality

|  |  |  |  |
| --- | --- | --- | --- |
| Number | GUID | Assertion | Test Description |
| 5.4.3.2.1 | 0x0deb01c9, 0x16db, 0x42ac, 0x99, 0x99, 0x27, 0x7b, 0x61, 0x96, 0xf4, 0xb8 | EFI\_DEVICE\_PATH\_UTILITIES\_PROTOCOL. AppendDeviceNode -AppendDeviceNode() called by the End of Device Path node must set Type, SubType and Length correctly in the first device path node, return EFI\_DEVICE\_PATH structure. | 1. Call CreatDeviceNode() to create an End of Device Path node.  2. Call CreatDeviceNode() with a NodeType value of 2,a NodeSubType value of 1 and a NodeLength value of 12.  3. Call AppendDeviceNode() with a DeviceNode value of the return pointer of CreatDeviceNode().  4. The first device path node in the return EFI\_DEVICE\_PATH structure should have Type, SubType and Length values the same as the ones set in CreatDeviceNode(). |
| 5.4.3.2.2 | 0xc2fa4f0f, 0xd2f0, 0x44b1, 0xa8, 0x69, 0x04, 0xeb, 0xc8, 0x88, 0xa6, 0xb6 | EFI\_DEVICE\_PATH\_UTILITIES\_PROTOCOL. AppendDeviceNode -AppendDeviceNode() must set Type, SubType and Length correctly in the last but the End of Device Path node in the return EFI\_DEVICE\_PATH structure. | 1. Call CreatDeviceNode(), AppendDeviceNode() repeatedly to create a new device path.  2. The last but the end-of-device-path node in the return EFI\_DEVICE\_PATH structure should have Type, SubType and Length values the same as set in the last CreatDeviceNode(). |

### GetDevicePathSize Functionality

|  |  |  |  |
| --- | --- | --- | --- |
| Number | GUID | Assertion | Test Description |
| 5.4.3.3.1 | 0x4257efa5, 0xd844, 0x4361, 0x98, 0xb9, 0x0d, 0x0e, 0x09, 0xf6, 0x8f, 0x78 | EFI\_DEVICE\_PATH\_UTILITIES\_PROTOCOL. GetDevicePathSize - GetDevicePathSize() should return the correct value and the return status should increase after AppendDeviceNode() is called. | 1. Call **CreatDeviceNode()** to create an End of Device Path node.  2. Call GetDevicePathSize().  3. Call **AppendDeviceNode()** with a DeviceNode value of a return pointer of **CreatDeviceNode()**.  4. Call GetDevicePathSize() again.  5. The return status should be 4 after **GetDevicePathSize()** was called the first time.  6. The return status should show an increase of the new device path node’s length after **GetDevicePathSize()** was called the second time. |

### DuplicateDevicePath Functionality

|  |  |  |  |
| --- | --- | --- | --- |
| Number | GUID | Assertion | Test Description |
| 5.4.3.4.1 | 0x065a0a89, 0x3594, 0x440e, 0x82, 0xe6, 0x9e, 0xaf, 0x74, 0xc7, 0xb7, 0x2f | EFI\_DEVICE\_PATH\_UTILITIES\_PROTOCOL. DuplicateDevicePath - DuplicateDevicePath() must correctly set the return EFI\_DEVICE\_PATH structure the same as the original one. | 1. Call **CreatDeviceNode()**, **AppendDeviceNode()** repeatedly to create a new device path.  2. Call GetDevicePathSize() first.  3. Call DupilicateDevicePath().  4. Call GetDevicePathSize() with a DevicePath value of the return value of DupilicateDevicePath().  5. The return value of **GetDevicePathSize()** should keep the same as the first return value, and the two device paths should be identical. |

### DuplicateDevicePath Conformance

|  |  |  |  |
| --- | --- | --- | --- |
| Number | GUID | Assertion | Test Description |
| 5.4.3.2.6 | 0x97363972, 0x64cd, 0x4af8, 0xa7, 0x07, 0x41, 0x49, 0x81, 0xad, 0x4a, 0xb2 | EFI\_DEVICE\_PATH\_UTILITIES\_PROTOCOL. DuplicateDevicePath - DuplicateDevicePath() should return NULL if DevicePath is NULL | 1. Call DupilicateDevicePath()with a DevicePath value of NULL**.**  2. The return value should be NULL**.** |

### AppendDevicePath Functionality

|  |  |  |  |
| --- | --- | --- | --- |
| Number | GUID | Assertion | Test Description |
| 5.4.3.5.1 | 0x7da4d0e1, 0x2d1b, 0x4b60, 0xaa, 0xb2, 0xf3, 0xc1, 0x35, 0xf1, 0xf3, 0x21 | EFI\_DEVICE\_PATH\_UTILITIES\_PROTOCOL. **AppendDevicePath - AppendDevicePath**() must correctly set the return **EFI\_DEVICE\_PATH** structure as the new device path that appends the second device path to the first. | 1. Call **CreatDeviceNode()**, **AppendDeviceNode()** repeatedly to create a new device path.  2. Call **CreatDeviceNode()**, **AppendDeviceNode()** repeatedly to create another device path.  3. Call **AppendDevicePath()** with *Src1* and *Src2* set respectively.  4. Call **GetDevicePathSize()** with a *DevicePath* value of the return value of **AppendDevicePath ()**.  5. The return value of **GetDevicePathSize()** should show an increase of the new device path’s length with the size of *Src1*’s End of Device Path device node subtracted after **GetDevicePathSize()** is called the second time. |

### AppendDevicePathInstance Functionality

|  |  |  |  |
| --- | --- | --- | --- |
| Number | GUID | Assertion | Test Description |
| 5.4.3.6.1 | 0x8d72d028, 0x1e92, 0x4a79, 0x8d, 0xbe, 0xab, 0xc9, 0x3a, 0x47, 0xed, 0xee | EFI\_DEVICE\_PATH\_UTILITIES\_PROTOCOL. AppendDevicePathInstance - AppendDevicePathInstance() must correctly set the return EFI\_DEVICE\_PATH structure as the new device path that appends the specific device path instance to the specific device path. | 1. Call **CreatDeviceNode()**, **AppendDeviceNode()** repeatedly to create a new device path.  2. Call **CreatDeviceNode()**, **AppendDeviceNode()** repeatedly to create another device path as a new device path instance.  3. Call **AppendDevicePathInstance()** with a DevicePathInstance value of the new device path instance.  4. The last device path instance of the returned **EFI\_DEVICE\_PATH** structure should be the same as the newly created one. |

### GetNextDevicePathInstance Functionality

|  |  |  |  |
| --- | --- | --- | --- |
| Number | GUID | Assertion | Test Description |
| 5.4.3.7.1 | 0x4c914601, 0x681c, 0x48e5, 0xbe, 0xbd, 0x72, 0xdf, 0xfb, 0x1b, 0x42, 0x63 | EFI\_DEVICE\_PATH\_UTILITIES\_PROTOCOL. GetNextDevicePathInstance - GetNextDevicePathInstance() must get the next device path instance and return a pointer to the copy of the current device path instance. | 1. Call **CreatDeviceNode()**, **AppendDeviceNode()** repeatedly to create a new device path.  2. Call **CreatDeviceNode()**, **AppendDeviceNode()** repeatedly to create another device path as a new device path instance.  3. Call **AppendDevicePathInstance()** with a DevicePathInstance value of the new device path instance.  4. Call GetNextDevicePathInstance().  5. The return **EFI\_DEVICE\_PATH** structure should include a device path instance the same as the first instance of the new device path and *DevicePathInstanceSize* should become the size of the first instance, and at the same time, the *DevicePathInstance* should point to the second instance. |

### IsDevicePathMultiInstance Functionality

|  |  |  |  |
| --- | --- | --- | --- |
| Number | GUID | Assertion | Test Description |
| 5.4.3.8.1 | 0x2e9e1bb4, 0x5e2f, 0x4a26, 0xbb, 0x16, 0xf8, 0x0f, 0xf8, 0xdf, 0x6c, 0xdd | EFI\_DEVICE\_PATH\_UTILITIES\_PROTOCOL. IsDevicePathMultiInstance - IsDevicePathMultiInstance() must judge whether a device path is a  multi-instance. | 1. Call **CreatDeviceNode()** to create an End of Device Path node.  2. Call IsDevicePathMultiInstance().  3. Call **CreatDeviceNode()**, **AppendDeviceNode()** repeatedly to create a new device path that includes only one device path instance.  4. Call IsDevicePathMultiInstance().  5. Call **AppendDevicePathInstance()** with a *DevicePathInstance* value of a new device path instance.  6. Call IsDevicePathMultiInstance().  7. The return values of *IsDevicePathMultiInstance* should be **FALSE**, **FALSE** and **TRUE** respectively. |

## Device Path Utilities Protocol Interface Conformance Test

### CreatDeviceNode Conformance

|  |  |  |  |
| --- | --- | --- | --- |
| Number | GUID | Assertion | Test Description |
| 5.4.4.1.1 | 0x44a2c284, 0xb019, 0x441b, 0x9e, 0xe0, 0x15,  0x14, 0x96, 0x51, 0xc8, 0x1f | EFI\_DEVICE\_PATH\_UTILITIES\_PROTOCOL. CreatDeviceNode - CreatDeviceNode() should fail with an invalid NodeLength value | 1. Call CreatDeviceNode(**)** with a NodeLength value of 3.  2. The return pointer should be NULL. |

### AppendDeviceNode Conformance

|  |  |  |  |
| --- | --- | --- | --- |
| Number | GUID | Assertion | Test Description |
| 5.4.4.2.1 | 0x795510e5, 0xdd0e, 0x403e, 0xa3, 0x4c, 0x67, 0x64, 0x2f, 0xe6, 0x2b, 0x46 | EFI\_DEVICE\_PATH\_UTILITIES\_PROTOCOL. AppendDeviceNode -AppendDeviceNode() should return the copy of DeviceNode with a DevicePath value of NULL | 1. Call CreatDeviceNode() with a NodeType value of 1, a NodeSubType value of 1 and a NodeLength value of 6.  2. Call AppendDeviceNode() with DevicePath value of NULL and a DeviceNode value of the return pointer of CreatDeviceNode().  3. The return pointer should return the copy of the DeviceNode parameter . |
| 5.4.4.2.2 | 0x54f1f4cc, 0xa193, 0x4023, 0xa1, 0x68, 0x96, 0x9a, 0xa8, 0x2d, 0xdd, 0x13 | EFI\_DEVICE\_PATH\_UTILITIES\_PROTOCOL. AppendDeviceNode -AppendDeviceNode() should return the copy of DevicePath with DeviceNode set to NULL | 4. Call CreatDeviceNode() to create an End of Device Path node.  5. Call AppendDeviceNode() with a DeviceNode value of NULL.  6. The return should be the copy of DevicePath. |
| 5.4.4.2.3 | 0xbb6ae1b8, 0xb420, 0x4f94, 0xb7, 0x88, 0xc4, 0xcc, 0x3a, 0xda, 0x53, 0x05 | EFI\_DEVICE\_PATH\_UTILITIES\_PROTOCOL. AppendDeviceNode - AppendDeviceNode() should return end-of-device-path device node if both DevicePath and DeviceNode are NULL | 1. Call CreatDeviceNode(), AppendDeviceNode with both DevicePath and DeviceNode are NULL  2. The return EFI\_DEVICE\_PATH\_PROTOCOL structure should be end-of-device-path device node. |

### AppendDevicePath Conformance

|  |  |  |  |
| --- | --- | --- | --- |
| Number | GUID | Assertion | Test Description |
| 5.4.4.3.1 | 0xba53eab4, 0xa3b2, 0x4ed3, 0xae, 0x7e, 0x77, 0xa3, 0x6a, 0x86, 0x1d, 0xb0 | EFI\_DEVICE\_PATH\_UTILITIES\_PROTOCOL. AppendDevicePath - AppendDevicePath() should ignore Src1 when it is set to NULL. | 1. Call CreatDeviceNode() AppendDeviceNod() repeatedly to create a new device path.  2. Call GetDevicePathSize().  3. Call AppendDeviceNode() with a Src1 value of NULL and a valid Src2 value.  4. Call GetDevicePathSize() with a DevicePath value of the return value of AppendDeviceNode().  5. The return value of GetDevicePathSize() should be the same as the first return value. |
| 5.4.4.3.2 | 0x49fbe4f2, 0xb963, 0x4a01, 0xbb, 0xd0, 0xc2, 0x9d, 0x11, 0x17, 0x4f, 0x6d | EFI\_DEVICE\_PATH\_UTILITIES\_PROTOCOL. AppendDevicePath - AppendDevicePath() should ignore Src2 when it is set to NULL. | 1. Call CreatDeviceNode() AppendDeviceNode() repeatedly to create a new device path.  2. Call GetDevicePathSize().  3. Call AppendDeviceNode() with a valid Src1 value and a Src2 value of NULL.  4. Call GetDevicePathSize() with a DevicePath value of the return value of AppendDeviceNode().  5. The return value of GetDevicePathSize() should be the same as the first return value. |
| 5.4.4.3.3 | 0x546bd0e4, 0xd288, 0x461f, 0x8a, 0xac, 0x67, 0x75, 0xc6, 0x96, 0x83, 0xe4 | EFI\_DEVICE\_PATH\_UTILITIES\_PROTOCOL. AppendDeviceNode - AppendDeviceNode() should return end-of-device-path if both Src1 and Src2 are NULL | 1. Call CreatDeviceNode(), AppendDeviceNode with both Src1 and Src2 are NULL  2. The return EFI\_DEVICE\_PATH structure should be end-of-device-path. |

### AppendDevicePathInstance Conformance

|  |  |  |  |
| --- | --- | --- | --- |
| Number | GUID | Assertion | Test Description |
| 5.4.4.4.1 | 0xfe34dfb2, 0x7b8d, 0x42c7, 0x8a, 0x8a, 0x00, 0xea, 0x1b, 0xe6, 0xe5, 0x44 | EFI\_DEVICE\_PATH\_UTILITIES\_PROTOCOL. AppendDevicePathInstance - AppendDevicePathInstance() should fail with a DevicePathInstance value of NULL. | 1. Call CreatDeviceNode() with a DevicePathInstance value of NULL.  2. The return pointer should be NULL. |

### GetNextDevicePathInstance Conformance

|  |  |  |  |
| --- | --- | --- | --- |
| Number | GUID | Assertion | Test Description |
| 5.4.4.5.1 | 0x25acf6b7, 0xd5c8,  0x4fb0, 0xa6, 0x89, 0xaf, 0x8c, 0x03, 0x4e, 0x5e, 0xdc | EFI\_DEVICE\_PATH\_UTILITIES\_PROTOCOL. GetNextDevicePathInstance - GetNextDevicePathInstance()should fail with *DevicePathInstance* set to NULL. | 1. Call GetNextDevicePathInstance() with a DevicePathInstance value of NULL.  2. The return pointer should be NULL. |

## Device Path To Text Protocol Interface Function Test

### ConvertDeviceNodeToText Functionality

|  |  |  |  |
| --- | --- | --- | --- |
| Number | GUID | Assertion | Test Description |
| 5.4.5.1.1 | 0x68d2e9f6, 0xb5f0, 0x4660, 0xbd, 0xf7, 0x74, 0x97, 0x43, 0xce, 0xb1, 0xb4 | EFI\_DEVICE\_PATH\_TO\_TEXT\_PROTOCOL. ConvertDeviceNodeToTexT -ConvertDeviceNodeToText() must set a string to describe the device node structure. | 1. Call **CreatDeviceNode()** and set the values of this device path node’s specific device path data to create a device path node of PCI Root Device Path.  2. Call ConvertDeviceNodeToText() with a DisplayOnly value of FALSE and a AllowShortcuts value of TRUE and FALSE respectively.  3. The return string should be the same as the expected one. |
| 5.4.5.1.2 | 0x09a4021d, 0x2804, 0x49fa, 0x82, 0x95, 0x30, 0xb1, 0xcf, 0x27, 0xf7, 0x88 | EFI\_DEVICE\_PATH\_TO\_TEXT\_PROTOCOL. ConvertDeviceNodeToTexT -ConvertDeviceNodeToText() must set a string to describe the device node structure. | 4. Call **CreatDeviceNode()** and set the values of this device path node’s specific device path data to create a device path node of PCI Device Path.  5. Call ConvertDeviceNodeToText() with a *DisplayOnly* value of FALSE and a AllowShortcuts value of TRUE and FALSE respectively.  6. The return string should be the same as the expected one. |
| 5.4.5.1.3 | 0x97deff32, 0xa4d0, 0x4909, 0xa7, 0xfa, 0x98, 0xcf, 0x3e, 0xcf, 0xf5, 0xf0 | EFI\_DEVICE\_PATH\_TO\_TEXT\_PROTOCOL. ConvertDeviceNodeToTexT -ConvertDeviceNodeToText() must set a string to describe the device node structure. | 7. Call **CreatDeviceNode()** and set the values of this device path node’s specific device path data to create a device path node of ATAPI Device Path.  8. Call ConvertDeviceNodeToText() with a DisplayOnly value of FALSE and a AllowShortcuts value of TRUE and FALSE respectively.  9. The return string should be the same as the expected one. |

### ConvertDevicePathToText Functionality

|  |  |  |  |
| --- | --- | --- | --- |
| Number | GUID | Assertion | Test Description |
| 5.4.5.2.1 | 0x11993701, 0x534b,  0x4804, 0xb9, 0x17, 0x72, 0x6b, 0xc9, 0x57, 0x43, 0x13 | EFI\_DEVICE\_PATH\_TO\_TEXT\_PROTOCOL. ConvertDevicePathToText - ConvertDevicePathToText() must set a string to describe the device path structure. | 1. Call **CreatDeviceNode()**, **AppendDeviceNode()** and **AppendDevicePathInstance()** repeatedly to create a legacy floppy device path.  2. Call ConvertDevicePathToText() with a DisplayOnly value of FALSE and a AllowShortcuts value of TRUE and FALSE respectively.  3. The return string should be the same as the expected one. |
| 5.4.5.2.2 | 0xdb90a554, 0xc75f, 0x409e, 0x9d, 0x40, 0xcc, 0xcd, 0x6a, 0xc6, 0xd0, 0x57 | EFI\_DEVICE\_PATH\_TO\_TEXT\_PROTOCOL. ConvertDevicePathToText - ConvertDevicePathToText() must set a string to describe the device path structure. | 1. Call **CreatDeviceNode()**, **AppendDeviceNode()** and **AppendDevicePathInstance()** repeatedly to create an IDE disk device path.  2. Call ConvertDevicePathToText() with a DisplayOnlyvalue of FALSE and a AllowShortcuts value of TRUE and FALSE respectively.  3. The return string should be the same as the expected one. |
| 5.4.5.2.3 | 0x532045b2, 0x8cb7, 0x4c27, 0x83, 0x72, 0xc2, 0x80, 0xe4, 0xe1, 0xf9, 0x29 | EFI\_DEVICE\_PATH\_TO\_TEXT\_PROTOCOL. ConvertDevicePathToText - ConvertDevicePathToText() must set a string to describe the device path structure. | 1. Call **CreatDeviceNode()**, **AppendDeviceNode()** and **AppendDevicePathInstance()** repeatedly to create a secondary root PCI bus with a PCI to PCI bridge device path.  2. Call ConvertDevicePathToText() with a DisplayOnly value of FALSE and a AllowShortcuts value of TRUE and FALSE respectively.  3. The return string should be the same as the expected one. |

## Device Path To Text Protocol Interface Conformance Test

### ConvertDeviceNodeToText Conformance

|  |  |  |  |
| --- | --- | --- | --- |
| Number | GUID | Assertion | Test Description |
| 5.4.6.1.1 | 0x945a93f7, 0xedac, 0x4893, 0xb2, 0xd2, 0x84, 0x0c, 0x39, 0xbb, 0x78, 0x24 | EFI\_DEVICE\_PATH\_TO\_TEXT\_PROTOCOL. ConvertDeviceNodeToText - ConvertDeviceNodeToText() should return NULL with DeviceNode set to NULL. | 1. Call ConvertDeviceNodeToText () with a DeviceNode value of NULL.  2. The return pointer should be NULL. |

### ConvertDevicePathToText Conformance

|  |  |  |  |
| --- | --- | --- | --- |
| Number | GUID | Assertion | Test Description |
| 5.4.6.2.1 | 0x2570911f, 0x1a08, 0x4f96, 0x92, 0xf5, 0x26, 0x7e, 0xc0, 0x8d, 0x75, 0xb0 | EFI\_DEVICE\_PATH\_TO\_TEXT\_PROTOCOL. ConvertDevicePathToText - ConvertDevicePathToText() should return NULL with DevicePath set to NULL. | 1. Call ConvertDevicePathToText () with a DevicePath value of NULL.  2. The return pointer should be NULL. |

## Device Path To Text Protocol Interface Coverage Test

### ConvertDeviceNodeToText Coverage

|  |  |  |  |
| --- | --- | --- | --- |
| Number | GUID | Assertion | Test Description |
| 5.4.7.1.1 | 0xca28d9a9, 0x6159, 0x4b70, 0xb5, 0xa0, 0x6f, 0xb3, 0x68, 0x63, 0x02, 0xd2 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe PcCard device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original. |
| 5.4.7.1.2 | 0x203b6963, 0x5013, 0x4683, 0x95, 0x8b, 0xd4, 0xa2, 0x1c, 0xcc, 0xbb, 0x8d | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the Memory Mapped device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.7.1.3 | 0xc05c7ebe, 0x69a4, 0x4fcc, 0xb8, 0x29, 0x25, 0x77, 0x54, 0xf3, 0xb4, 0x3e | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the Vendor defined device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.7.1.4 | 0x36de850b, 0xb28d, 0x4bfd, 0x9e, 0xff, 0xbc, 0xd8, 0x05, 0xa4, 0xa2, 0xf3 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the Controller device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.7.1.5 | 0xa20c1075, 0x9bde, 0x42db, 0x83, 0x28, 0x62, 0x6a, 0x18, 0xe6, 0x07, 0x9e | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the ACPI Expended device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.7.1.6 | 0xd448b8f6, 0x2d7e, 0x473d, 0xae, 0x66, 0x9e, 0xc7, 0xba, 0xa7, 0xf9, 0x9c | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a shortcut form of text string to describe the ACPI Expended device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.7.1.7 | 0xc4ef8ea1, 0x6fa7, 0x4e49, 0xa1, 0x7a, 0x30, 0xa0, 0xed, 0xd2, 0x3c, 0x6b | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertDeviceNodeToText - ConvertDeviceNodeToText() must recover the conversion ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the SCSI device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.7.1.8 | 0xac5859c4, 0x99a9, 0x43bc, 0xbd, 0x20, 0x76, 0xd4, 0x36, 0xa8, 0xf9, 0x71 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the Fibre Channel device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.7.1.9 | 0xd00934b4, 0x846e, 0x4f8b, 0xa6, 0xc9, 0x13, 0xb, 0x19, 0x13, 0x49, 0x3c | EFI\_DEVICE\_PATH\_TO\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode()has performed on the device node string. | 1. Set a text string to describe the AcpiAdr device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.7.1.10 | 0xe49fdcdb, 0xbadb, 0x48c7, 0xbe, 0x8b, 0xbc, 0xce, 0x19, 0x0f, 0x2b, 0x79 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the USB device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.7.1.11 | 0xb21543cc, 0x4090, 0x4e28, 0x88, 0xc5, 0x5b, 0xd6, 0x29, 0x17, 0x7b, 0xd9 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the I2O device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.7.1.12 | 0x4bf7bbff, 0x783f, 0x4ab0, 0xb5, 0x2a, 0x3e, 0xab, 0x1d, 0x6e, 0xdd, 0x02 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the Infiniband device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.7.1.13 | 0xd7a537b7, 0x96a2, 0x478d, 0xa2, 0xd3, 0x67, 0xca, 0x68, 0x93, 0x8e, 0xe2 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the PC-ANSI device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.7.1.14 | 0xeaba3b8d, 0x0aad, 0x4729, 0xb0, 0x2e, 0xb6, 0xa4, 0x89, 0xdc, 0x17, 0x4d | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the UartFlowCtrl device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.7.1.15 | 0xd751aa0e, 0xb0ea, 0x43ee, 0x89, 0x65, 0x5, 0x4c, 0x97, 0x1, 0xa, 0x32 | EFI\_DEVICE\_PATH\_TO\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode()has performed on the device node string. | 1. Set a text string to describe the AcpiExp device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.7.1.16 | 0x51a639b6, 0x878d, 0x4118, 0x88, 0x6b, 0x15, 0x4f, 0x84, 0x5e, 0xfd, 0xfd | EFI\_DEVICE\_PATH\_TO\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode()has performed on the device node string. | 1. Set a text string to describe the PciRoot device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.7.1.17 | 0xe23c5141, 0xac77, 0x42f4, 0xb4, 0x18, 0x9e, 0xd3, 0x76, 0xbc, 0xcf, 0xd7 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertDeviceNodeToText - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the MAC device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.7.1.18 | 0x77ebce11, 0x3621,  0x4900, 0xbd, 0xb2, 0x95, 0x01, 0x2a, 0xcd, 0xca, 0x46 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertDeviceNodeToText - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the IPv4 device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.7.1.19 | 0xef32be73, 0xf5b7, 0x4545, 0xaf, 0xd7, 0x5e, 0xfb, 0xdc, 0x01, 0x8f, 0x16 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the IPv6 device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.7.1.20 | 0xbdf0860e, 0x12b6, 0x4c2a, 0xa2, 0x6c, 0x8e, 0x25, 0x87, 0x99, 0xa8, 0xd6 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the UART device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.7.1.21 | 0x340f6746, 0x662f,  0x4613, 0x89, 0x5a, 0x16, 0x57, 0x7d, 0xe0, 0x76, 0x99 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the USB Class device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.7.1.22 | 0x16001709, 0x687d, 0x4880, 0x89, 0xc4, 0x1c, 0x63, 0x1e, 0xb5, 0x2e, 0x2d | EFI\_DEVICE\_PATH\_TO\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode()has performed on the device node string. | 1. Set a text string to describe the PcieRoot device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.7.1.23 | 0xf375ad05, 0xd5ae, 0x408f, 0x8a, 0xa5, 0x21, 0xb8, 0xd1, 0xe9, 0xfd, 0x75 | EFI\_DEVICE\_PATH\_TO\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode()has performed on the device node string. | 1. Set a text string to describe the Floppy device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.7.1.24 | 0xa4c0ed2e, 0x1438, 0x44cc, 0x97, 0x10, 0x1e, 0x2e, 0x29, 0xe3, 0xbd, 0xe6 | EFI\_DEVICE\_PATH\_TO\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode()has performed on the device node string. | 1. Set a text string to describe the Keyboard device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.7.1.25 | 0x2ccd0cbb, 0x395f,  0x4b76, 0x8a, 0xe8, 0x3f, 0x4a, 0x07, 0x98, 0x4f, 0x3a | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the Logical Unit device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.7.1.26 | 0x13625cd7, 0x79d1, 0x4f0b, 0x80, 0xe0, 0xb5, 0x54, 0x94, 0xae, 0xc6, 0xb6 | EFI\_DEVICE\_PATH\_TO\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode()has performed on the device node string. | 1. Set a text string to describe the Serial device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.7.1.27 | 0x2001ae80, 0x7309, 0x4b70, 0x9f, 0x4e, 0x7b, 0xad, 0x66, 0x9d, 0xc0, 0x43 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the Hard Drive with GUID device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.7.1.28 | 0xf37b8ee5, 0xfb01, 0x41e3, 0xa2, 0x6a, 0xa1, 0x99, 0xd9, 0x59, 0x24, 0x74 | EFI\_DEVICE\_PATH\_TO\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode()has performed on the device node string. | 1. Set a text string to describe the Parallel Port device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.7.1.29 | 0xe171c43f, 0x9aaf, 0x4133, 0x95, 0x80, 0xfb, 0xb5, 0xa7, 0x0b, 0x88, 0x72 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertDeviceNodeToText - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the CD-ROM device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as theoriginal one. |
| 5.4.7.1.30 | 0x596665ca, 0x74e6, 0x4f6e, 0x88, 0xd8, 0x6e, 0x26, 0xe5, 0x3a, 0x42, 0xab | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertDeviceNodeToText - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the FibreEx device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.7.1.31 | 0x5b136106, 0xcee0, 0x46d9, 0x87, 0xa9, 0x68, 0x1d, 0x70, 0xf7, 0x1f, 0x17 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertDeviceNodeToText - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the Media device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.7.1.32 | 0xdb0e6e8b, 0x1d57, 0x41e5, 0xb8, 0x74, 0x4c, 0xe8, 0x5a, 0xd5, 0x76, 0x4c | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertDeviceNodeToText - ConvertDeviceNodeToText() must recover the conversion ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the SAS device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.7.1.33 | 0x44f98053, 0xbbf7, 0x4002, 0x9a, 0x7e, 0x6b, 0x4d, 0x37, 0x3e, 0x18, 0xff | EFI\_DEVICE\_PATH\_TO\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode()has performed on the device node string. | 1. Set a text string to describe the Media Relative Offset Range device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.7.1.34 | 0x44ed02e4, 0x48c7, 0x42df, 0xbe, 0x12, 0x60, 0xc1, 0xb2, 0x7f, 0xe8, 0xab | EFI\_DEVICE\_PATH\_TO\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode()has performed on the device node string. | 1. Set a text string to describe the Vlan device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.7.1.35 | 0x4e3dfefc, 0xeebb, 0x46d0, 0xa1, 0xc3, 0x83, 0xaa, 0x2, 0x6d, 0xf1, 0x1b | EFI\_DEVICE\_PATH\_FR OM\_TEXT\_PROTOCOL. ConvertDeviceNodeT oText - ConvertDeviceNodeT oText() must recover the conversion that ConvertTextToDevic eNode() has performed on the device node string. | 1. Set a text string to describe the SASEx device path node. 2. Call ConvertTextToDeviceNode(). 3. Call ConvertDeviceNodeToText(). 4. The return string should be the same as the original one. |
| 5.4.7.1.36 | 0x21e74335, 0x50c9, 0x4deb, 0x8a, 0x9d, 0xf4, 0x2, 0x97, 0xfc, 0xa2, 0x26 | EFI\_DEVICE\_PATH\_FR OM\_TEXT\_PROTOCOL. ConvertDeviceNodeT oText - ConvertDeviceNodeT oText() must recover the conversion that ConvertTextToDevic eNode() has performed on the device node string. | 1. Set a text string to describe the NVMe device path node. 2. Call ConvertTextToDeviceNode(). 3. Call ConvertDeviceNodeToText(). 4. The return string should be the same as the original one. |
| 5.4.7.1.37 | 0x252df981, 0x416a, 0x486d, 0x8c, 0x78, 0xde, 0xae, 0x72, 0x4a, 0x68, 0xeb | EFI\_DEVICE\_PATH\_FR OM\_TEXT\_PROTOCOL. ConvertDeviceNodeT oText - ConvertDeviceNodeT oText() must recover the conversion that ConvertTextToDevic eNode() has performed on the device node string | 1. Set a text string to describe the BMC device path node. 2. Call ConvertTextToDeviceNode(). 3. Call ConvertDeviceNodeToText(). 4. The return string should be the same as the original one. |
| 5.4.7.1.38 | 0x77cdae2c, 0x642c, 0x4113, 0xb6, 0x59, 0x25, 0x23, 0x42, 0xb1, 0x16, 0xb6 | EFI\_DEVICE\_PATH\_FR OM\_TEXT\_PROTOCOL. ConvertDeviceNodeT oText - ConvertDeviceNodeT oText() must recover the conversion that ConvertTextToDevic eNode() has performed on the device node string | 1. Set a text string to describe the RamDisk device path node. 2. Call ConvertTextToDeviceNode(). 3. Call ConvertDeviceNodeToText(). 4. The return string should be the same as the original one. |
| 5.4.7.1.39 | 0xd823b4b, 0x58b4, 0x4882, 0x9f, 0x38, 0xb, 0xfb, 0x3, 0xa0, 0x29, 0xa3 | EFI\_DEVICE\_PATH\_FR OM\_TEXT\_PROTOCOL. ConvertDeviceNodeT oText - ConvertDeviceNodeT oText() must recover the conversion that ConvertTextToDevic eNode() has performed on the device node string | 1. Set a text string to describe the Uri device path node. 2. Call ConvertTextToDeviceNode(). 3. Call ConvertDeviceNodeToText(). 4. The return string should be the same as the original one. |
| 5.4.7.1.40 | 0x4136553e, 0x8284, 0x409c, 0x90, 0x56, 0xcb, 0xbc, 0x91, 0xc5, 0xea, 0xa1 | EFI\_DEVICE\_PATH\_FR OM\_TEXT\_PROTOCOL. ConvertDeviceNodeT oText - ConvertDeviceNodeT oText() must recover the conversion that ConvertTextToDevic eNode() has performed on the device node string | 1. Set a text string to describe the SD device path node. 2. Call ConvertTextToDeviceNode(). 3. Call ConvertDeviceNodeToText(). 4. The return string should be the same as the original one. |
| 5.4.7.1.41 | 0x23bcd190, 0x10b4, 0x4063, 0x95, 0x2, 0xea, 0x5c, 0x14, 0xfc, 0x72, 0x1e | EFI\_DEVICE\_PATH\_FR OM\_TEXT\_PROTOCOL. ConvertDeviceNodeT oText - ConvertDeviceNodeT oText() must recover the conversion that ConvertTextToDevic eNode() has performed on the device node string | 1. Set a text string to describe the BlueTooth device path node. 2. Call ConvertTextToDeviceNode(). 3. Call ConvertDeviceNodeToText(). 4. The return string should be the same as the original one. |
| 5.4.7.1.42 | 0x6faccc19, 0x7785, 0x49e6, 0xaf, 0x86, 0x9b, 0x5f, 0x69, 0x53, 0x60, 0x7d | EFI\_DEVICE\_PATH\_FR OM\_TEXT\_PROTOCOL. ConvertDeviceNodeT oText - ConvertDeviceNodeT oText() must recover the conversion that ConvertTextToDevic eNode() has performed on the device node string | 1. Set a text string to describe the Wi-Fi device path node. 2. Call ConvertTextToDeviceNode(). 3. Call ConvertDeviceNodeToText(). 4. The return string should be the same as the original one. |
| 5.4.7.1.43 | 0x60e2e2ac, 0xf5f9, 0x4ecf, 0xac, 0xb1, 0x79, 0xa1, 0xe5, 0xcc, 0xbc, 0xf6 | EFI\_DEVICE\_PATH\_FR OM\_TEXT\_PROTOCOL. ConvertDeviceNodeT oText - ConvertDeviceNodeT oText() must recover the conversion that ConvertTextToDevic eNode() has performed on the device node string | 1. Set a text string to describe the eMMC device path node. 2. Call ConvertTextToDeviceNode(). 3. Call ConvertDeviceNodeToText(). 4. The return string should be the same as the original one. |

### ConvertDevicePathToText Coverage

|  |  |  |  |
| --- | --- | --- | --- |
| Number | GUID | Assertion | Test Description |
| 5.4.7.2.1 | 0x4af4f3cb, 0x4afa, 0x43b5, 0xb3, 0x83, 0x2e, 0x08, 0x57, 0x15, 0xf7, 0xa6 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertDevicePathToText - ConvertDevicePathToText() must recover the conversion that ConvertTextToDevicePath() has performed on the device node string. | 1. Set a text string to describe a device path with multiple device path instances.  2. Call ConvertTextToDevicePath().  3. Call ConvertDevicePathToText().  4. The return string should be the same as the original one. |

## Device Path From Text Protocol Interface Function Test

### ConvertTextToDeviceNode Functionality

|  |  |  |  |
| --- | --- | --- | --- |
| Number | GUID | Assertion | Test Description |
| 5.4.8.1.1 | 0x6ea38cc6, 0x6b02, 0x4ee7, 0x84, 0xcc, 0x37, 0xc0, 0x07, 0x55, 0xef, 0xa3 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertTextToDeviceNode() must set a device node structure. | 1. Set a text string to describe the PCI Root device path node.  2. Call ConvertTextToDeviceNode().  3. The return structure should be the same as the expected one. |
| 5.4.8.1.2 | 0xe025cd1b, 0xda51, 0x4496, 0xac, 0xa0, 0xf6, 0x18, 0x3e, 0x67, 0xb6, 0x78 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertTextToDeviceNode() must set a device node structure. | 1. Set a text string to describe the PCI device path node.  2. Call ConvertTextToDeviceNode().  3. The return structure should be the same as the expected one. |
| 5.4.8.1.3 | 0xe924b842, 0x2e27, 0x4d39, 0x98, 0x7d, 0x3a, 0x64, 0xd7, 0x45, 0x0e, 0xda | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertTextToDeviceNode() must set a device node structure. | 1. Set a text string to describe the ATAPI device path node.  2. Call ConvertTextToDeviceNode().  3. The return structure should be the same as the expected one. |

### ConvertTextToDevicePath Functionality

|  |  |  |  |
| --- | --- | --- | --- |
| Number | GUID | Assertion | Test Description |
| 5.4.8.2.1 | 0xa2215ca2, 0x965a, 0x4ae3, 0xae, 0x58, 0xca, 0xd1, 0x20, 0xb3, 0xf5, 0x87 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDevicePath - ConvertTextToDevicePath() must set a device node structure. | 1. Set a text string to describe the legacy floppy device path.  2. Call ConvertTextToDevicePath().  3. The return structure should be the same as the expected one. |
| 5.4.8.2.2 | 0x34dcb77c, 0x782f, 0x429a, 0x92, 0xfc, 0xa0, 0x02, 0xae, 0xfb, 0xcb, 0xd7 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDevicePath - ConvertTextToDevicePath() must set a device node structure. | 1. Set a text string to describe the IDE disk device path.  2. Call ConvertTextToDevicePath().  3. The return structure should be the same as the expected one. |
| 5.4.8.2.3 | 0xbf4b5c33, 0x7cc4, 0x412b, 0xb6, 0x88, 0x14, 0x0a, 0x17, 0x3f, 0x4f, 0x5a | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDevicePath - ConvertTextToDevicePath() must set a device node structure. | 1. Set a text string to describe the secondary root PCI bus with a PCI to PCI bridge device path.  2. Call ConvertTextToDevicePath().  3. The return structure should be the same as the expected one. |

## Device Path From Text Protocol Interface Conformance Test

### ConvertTextToDeviceNode Conformance

|  |  |  |  |
| --- | --- | --- | --- |
| Number | GUID | Assertion | Test Description |
| 5.4.9.1.1 | 0x112d380b, 0x1f72, 0x41d4, 0xa3, 0x5a, 0xd3, 0x61, 0x72, 0xce, 0x42, 0x60 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertTextToDeviceNode() should return NULL with TextDeviceNode set to NULL. | 1. Call ConvertTextToDeviceNode() with a TextDeviceNode value of NULL.  2. The return pointer should be NULL. |

### ConvertTextToDevicePath Conformance

|  |  |  |  |
| --- | --- | --- | --- |
| Number | GUID | Assertion | Test Description |
| 5.4.9.2.1 | 0x6de40774, 0x269d, 0x4c52, 0x9e, 0xce, 0xe4, 0x01, 0x95, 0xc4, 0x09, 0xed | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDevicePath - ConvertTextToDevicePath() should return NULL with TextDevicePath set to be NULL. | 1. Call ConvertTextToDevicePath() with a TextDevicePath value of NULL.  2. The return pointer should be NULL. |

## Device Path From Text Protocol Interface Coverage Test

### ConvertTextToDeviceNode Coverage

|  |  |  |  |
| --- | --- | --- | --- |
| Number | GUID | Assertion | Test Description |
| 5.4.10.1.1 | 0xabd4778e, 0xc1c5, 0x4dcb, 0xa5, 0x75, 0x4a, 0x2e, 0x83, 0x68, 0x01, 0x82 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe PcCard device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the one originally set. |
| 5.4.10.1.2 | 0x384a0f7f, 0x3aed, 0x4942, 0xbf, 0x29, 0xed, 0x70, 0x7c, 0xb8, 0x96, 0xc3 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the Memory Mapped device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.10.1.3 | 0x5ea2ddfd, 0xd264, 0x46d5, 0x99, 0x97, 0x17, 0xb2, 0x36, 0xe4, 0x46, 0xee | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the Vendor defined device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original onet. |
| 5.4.10.1.4 | 0xeeaad308, 0x9461, 0x42dc, 0x95, 0x2a, 0x25, 0xe3, 0xfb, 0x34, 0xc6, 0x4d | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the Controller device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.10.1.5 | 0x5adc74cf, 0x0a05, 0x4689, 0xa0, 0xd0, 0xf3, 0x71, 0x10, 0x05, 0x24, 0xf4 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the ACPI Expended device path node.  1. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.10.1.6 | 0xac15c6df, 0x10f5, 0x40f1, 0x9e, 0xdc, 0x16, 0xa4, 0x22, 0x86, 0xe2, 0xae | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a shortcut form of text string to describe the ACPI Expended device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.10.1.7 | 0xd6769fb3, 0x6f40, 0x441e, 0xbc, 0x16, 0xdb, 0xab, 0xc5, 0x1f, 0xbc, 0x8e | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the SCSI device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.10.1.8 | 0x5a6105d4, 0x6c72, 0x4842, 0xbb, 0xf9, 0x16, 0xb4, 0x63, 0xc5, 0x65, 0x21 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the Fibre Channel device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.10.1.9 | 0x370abd68, 0xd84c, 0x4247, 0xbd, 0xbd, 0xb4, 0xbc, 0x2a, 0x1f, 0x74, 0x9d | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the 1394 device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.10.1.10 | 0x4b30ff6b, 0x0495, 0x4a88, 0x89, 0x24, 0xed, 0x47, 0xb4, 0x70, 0x3a, 0xea | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the USB device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.10.1.11 | 0x7c010d41, 0x940f, 0x4ab7, 0x99, 0xb3, 0x56, 0x29, 0xfe, 0xe2, 0xb3, 0xe8 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the I2O device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.10.1.12 | 0x3aff77da, 0x5f86, 0x4145, 0x84, 0xfa, 0x7e, 0x24, 0x64, 0x1a, 0xef, 0x67 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the Infiniband device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.10.1.13 | 0x57945d65, 0x2cd1, 0x44cb, 0x95, 0xa2, 0x85, 0x3d, 0x6b, 0x45, 0xc2, 0x10 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has peformed on the device node string. | 1. Set a text string to describe the PC-ANSI device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.10.1.14 | 0x99fe3cd1, 0x9015, 0x4995, 0xb9, 0x6c, 0x03, 0x37, 0x1c, 0xc0, 0x26, 0xc5 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the UartFlowCtrl device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.10.1.15 | 0xbe92f84c, 0x3922, 0x426b, 0xa0, 0x2a, 0x1b, 0x1b, 0xeb, 0xf9, 0x9d, 0x7c | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the SAS device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.10.1.16 | 0x453b6f77, 0xd3bf, 0x4f23, 0x80, 0x35, 0x0f, 0x61, 0xdf, 0xe0, 0x16, 0xe1 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the DebugPort device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.10.1.17 | 0xdc026cfc, 0xc681, 0x43af, 0xb3, 0x73, 0xed, 0x8c, 0x1f, 0x7e, 0xaa, 0x6d | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the MAC device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original onet. |
| 5.4.10.1.18 | 0x94dca74e, 0xacdd, 0x4fc2, 0xab, 0xb8, 0x48, 0xb1, 0x1b, 0xe0, 0x77, 0x57 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the IPv4 device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.10.1.19 | 0x447fabae, 0x7a70, 0x43df, 0x9f, 0x07, 0xc3, 0x07, 0x85, 0x24, 0x87, 0xd5 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the IPv6 device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.10.1.20 | 0xba0fc861, 0xd2ce, 0x4c70, 0x8b, 0xec, 0xaa, 0x89, 0xbc, 0x7d, 0x11, 0x0f | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe UART device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.10.1.21 | 0x2eba02bb, 0xa904, 0x4949, 0xa4, 0x6a, 0x41, 0x1f, 0xd8, 0xa8, 0xdd, 0xaf | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe USB Class device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as theoriginal one. |
| 5.4.10.1.22 | 0x50cf1d50, 0xb560, 0x4a1a, 0x96, 0xc2, 0x01, 0x10, 0xf1, 0x25, 0xe3, 0x53 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the USB Video device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original onet. |
| 5.4.10.1.23 | 0xd77e99e4, 0xe619, 0x4773, 0xa4, 0xa0, 0xbe, 0x55, 0x21, 0x4b, 0x01, 0xf0 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the UsbTest And Measurement device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original onet. |
| 5.4.10.1.24 | 0xe5490e03, 0x83be, 0x4642, 0x98, 0xc5, 0x26, 0xae, 0x4f, 0xa4, 0x5d, 0xe4 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode()has performed on the device node string. | �1. Set a text string to describe the AcpiAdr device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.10.1.25 | 0xe1042ce4, 0x760e, 0x433d, 0xb1, 0x7b, 0x9d, 0x02, 0x14, 0xf3, 0x2a, 0x12 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the Logical Unit device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.10.1.26 | 0x1e3c0327, 0x7081, 0x4b7f, 0xab, 0xfa, 0xff, 0x01, 0xc2, 0x8c, 0xbe, 0x3f | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the iSCSI device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.10.1.27 | 0x37beed32, 0x165b, 0x480a, 0x91, 0x9b, 0xf5, 0xf2, 0x46, 0x07, 0xc7, 0x11 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the Hard Drive with GUID device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.10.1.28 | 0x20884e00, 0x4471, 0x4e65, 0x84, 0xae, 0x51, 0x5d, 0x92, 0xc1, 0xe4, 0xf6 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the Hard Drive with MBR device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.10.1.29 | 0xfdca47e4, 0x9965, 0x41dc, 0xbb, 0x01, 0x19, 0x10, 0x54, 0x41, 0x69, 0x60 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the covnersion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the CD-ROM device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.10.1.30 | 0xa0fc2a05, 0x01e1, 0x4a96, 0xb8, 0x8d, 0xa7, 0x73, 0x33, 0x25, 0xaf, 0x6e | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the File Path device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.10.1.31 | 0x0a0fc261, 0x193b, 0x4136, 0x82, 0xe3, 0x41, 0x32, 0x62, 0x36, 0xc6, 0x10 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the Media device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.10.1.32 | 0xb59ff699, 0x4dc5, 0x45b8, 0x8b, 0xe6, 0x25, 0x36, 0x2e, 0xda, 0x59, 0xf3 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode() has performed on the device node string. | 1. Set a text string to describe the BBS path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.10.1.33 | 0x2379a6e4, 0x3b61, 0x471c, 0x87, 0xb9, 0xff, 0xe6, 0x6a, 0x98, 0x79, 0x13 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode()has performed on the device node string. | 1. Set a text string to describe the Media Relative Offset Range device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.10.1.34 | 0x74f16d4f, 0xcbc4, 0x42f0, 0x99, 0x16, 0xae, 0x35, 0xa6, 0xd7, 0x5e, 0xb7 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode()has performed on the device node string. | 1. Set a text string to describe the Vlan device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.10.1.35 | 0xa6a5af57, 0xca9b, 0x42c1, 0x9b, 0xcd, 0xe3, 0xdb, 0xdf, 0x2, 0xf3, 0x8b | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode()has performed on the device node string. | 1. Set a text string to describe the �PciRoot device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.10.1.36 | 0x850d81ee, 0xe3d5, 0x468f, 0x83, 0x80, 0x25, 0x3e, 0xcb, 0xeb, 0xf2, 0x07 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode()has performed on the device node string. | 1. Set a text string to describe the PcieRoot device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.10.1.37 | 0x1f72c17d, 0x9f1a, 0x4f57, 0xac, 0xb5, 0x2b, 0xfb, 0x3d, 0xe, 0x5b, 0x67 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode()has performed on the device node string. | 1. Set a text string to describe the Floppy device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.10.1.38 | 0x64dbbe77, 0x819e, 0x4cd9, 0x90, 0x88, 0xd9, 0x3d, 0x8f, 0x99, 0x9, 0x33 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode()has performed on the device node string. | 1. Set a text string to describe the Keyboard device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.10.1.39 | 0x62970cad, 0xb9ae, 0x459e, 0x94, 0xc7, 0x97, 0x37, 0x3, 0xc5, 0xda, 0x43 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode()has performed on the device node string. | 1. Set a text string to describe the Serial device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.10.1.40 | 0x2c0e3e0c, 0x28f4, 0x4284, 0xbb, 0x54, 0x4, 0x2b, 0x6b, 0x26, 0xd3, 0x4e | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode()has performed on the device node string. | 1. Set a text string to describe the Parallel Port device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.10.1.41 | 0x826c2efe, 0xc377, 0x4594, 0x99, 0x42, 0xe1, 0xef, 0x07, 0x5d, 0xd1, 0x2f | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode()has performed on the device node string. | 1. Set a text string to describe the FIbreEx device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.10.1.42 | 0xad957706, 0xb29a, 0x4184, 0xb8, 0x42, 0xf6, 0xf1, 0xa4, 0xe0, 0x57, 0x9b | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDeviceNode - ConvertDeviceNodeToText() must recover the conversion that ConvertTextToDeviceNode()has performed on the device node string. | 1. Set a text string to describe the SasEx device path node.  2. Call ConvertTextToDeviceNode().  3. Call ConvertDeviceNodeToText().  4. The return string should be the same as the original one. |
| 5.4.10.1.43 | 0x5fda2be2, 0x242a, 0x4c81, 0xa9, 0x7c, 0xfb, 0x2e, 0xe9, 0x94, 0x14, 0xf6 | EFI\_DEVICE\_PATH\_FR  OM\_TEXT\_PROTOCOL.  ConvertTextToDevic  eNode -  ConvertDeviceNodeT  **oText()** must recover  the conversion that  ConvertTextToDevic  **eNode()** has performed  on the device node  string. | 1. Set a text string to describe the NVM express device path node.  2. Call  **ConvertTextToDeviceNode()**.  3. Call  **ConvertDeviceNodeToText()**.  4. The return string should be the  same as the original one. |
| 5.4.10.1.44 | 0x6bc6e55b, 0xaa2c, 0x4853, 0x88, 0xbd, 0x7e, 0x79, 0xc8, 0xd3, 0xae, 0x58 | EFI\_DEVICE\_PATH\_FR OM\_TEXT\_PROTOCOL. ConvertTextToDevic eNode - ConvertDeviceNodeT oText() must recover the conversion that ConvertTextToDevic eNode() has performed on the device node string. | 1. Set a text string to describe the BMC device path node. 2. Call ConvertTextToDeviceNode(). 3. Call ConvertDeviceNodeToText(). 4. The return string should be the same as the original one |
| 5.4.10.1.45 | 0x177fd920, 0xb733, 0x4841, 0x9a, 0x10, 0xdb, 0x7b, 0x37, 0x4b, 0x47, 0x7c | EFI\_DEVICE\_PATH\_FR OM\_TEXT\_PROTOCOL. ConvertTextToDevic eNode - ConvertDeviceNodeT oText() must recover the conversion that ConvertTextToDevic eNode() has performed on the device node string. | 1. Set a text string to describe the UFS device path node. 2. Call ConvertTextToDeviceNode(). 3. Call ConvertDeviceNodeToText(). 4. The return string should be the same as the original one |
| 5.4.10.1.46 | 0x84e9f8, 0x6b65, 0x48e1, 0x92, 0x32, 0x4, 0x6e, 0xb4, 0x56, 0xd1, 0xe3 | EFI\_DEVICE\_PATH\_FR OM\_TEXT\_PROTOCOL. ConvertTextToDevic eNode - ConvertDeviceNodeT oText() must recover the conversion that ConvertTextToDevic eNode() has performed on the device node string. | 1. Set a text string to describe the SD device path node. 2. Call ConvertTextToDeviceNode(). 3. Call ConvertDeviceNodeToText(). 4. The return string should be the same as the original one |
| 5.4.10.1.47 | 0x25c2071e, 0xedc, 0x403f, 0x89, 0x4a, 0xa4, 0x84, 0x25, 0xcc, 0xca, 0x80 | EFI\_DEVICE\_PATH\_FR OM\_TEXT\_PROTOCOL. ConvertTextToDevic eNode - ConvertDeviceNodeT oText() must recover the conversion that ConvertTextToDevic eNode() has performed on the device node string. | 1. Set a text string to describe the Bluetooth device path node. 2. Call ConvertTextToDeviceNode(). 3. Call ConvertDeviceNodeToText(). 4. The return string should be the same as the original one |
| 5.4.10.1.48 | 0x84a73ccc, 0x2468, 0x440a, 0x93, 0xa1, 0xe2, 0x37, 0x35, 0xe5, 0x9f, 0x66 | EFI\_DEVICE\_PATH\_FR OM\_TEXT\_PROTOCOL. ConvertTextToDevic eNode - ConvertDeviceNodeT oText() must recover the conversion that ConvertTextToDevic eNode() has performed on the device node string. | 1. Set a text string to describe the Wi-Fi device path node. 2. Call ConvertTextToDeviceNode(). 3. Call ConvertDeviceNodeToText(). 4. The return string should be the same as the original one |
| 5.4.10.1.49 | 0x671ecea, 0x309c, 0x4398, 0x8c, 0x1, 0xed, 0x15, 0x37, 0xed, 0xaa, 0x40 | EFI\_DEVICE\_PATH\_FR OM\_TEXT\_PROTOCOL. ConvertTextToDevic eNode - ConvertDeviceNodeT oText() must recover the conversion that ConvertTextToDevic eNode() has performed on the device node string. | 1. Set a text string to describe the RamDisk device path node. 2. Call ConvertTextToDeviceNode(). 3. Call ConvertDeviceNodeToText(). 4. The return string should be the same as the original one |
| 5.4.10.1.50 | 0x7e00edfb, 0x4ef8, 0x45da, 0x9e, 0x54, 0x8e, 0xf, 0x1b, 0xa5, 0xc3, 0xde | EFI\_DEVICE\_PATH\_FR OM\_TEXT\_PROTOCOL. ConvertTextToDevic eNode - ConvertDeviceNodeT oText() must recover the conversion that ConvertTextToDevic eNode() has performed on the device node string. | 1. Set a text string to describe the Uri device path node. 2. Call ConvertTextToDeviceNode(). 3. Call ConvertDeviceNodeToText(). 4. The return string should be the same as the original one |
| 5.4.10.1.51 | 0x882a6001, 0xae82, 0x4bb5, 0x83, 0xd, 0x6c, 0x2a, 0xd7, 0x68, 0x44, 0xec | EFI\_DEVICE\_PATH\_FR OM\_TEXT\_PROTOCOL. ConvertTextToDevic eNode - ConvertDeviceNodeT oText() must recover the conversion that ConvertTextToDevic eNode() has performed on the device node string. | 1. Set a text string to describe the eMMC device path node. 2. Call ConvertTextToDeviceNode(). 3. Call ConvertDeviceNodeToText(). 4. The return string should be the same as the original one |

### ConvertTextToDevicePath Coverage

|  |  |  |  |
| --- | --- | --- | --- |
| Number | GUID | Assertion | Test Description |
| 5.4.10.2.1 | 0x1759828d, 0x3377, 0x4473, 0x84, 0x8a, 0x1a, 0x92, 0x6f, 0x2e, 0x5b, 0xc5 | EFI\_DEVICE\_PATH\_FROM\_TEXT\_PROTOCOL. ConvertTextToDevicePath - ConvertDevicePathToText() must recover the conversion that ConvertTextToDevicePath() has performed on the device node string. | 1. Set a text string to describe a device path with multiple device path instances.  2. Call ConvertTextToDevicePath().  3. Call ConvertDevicePathToText().  4. The return string should be the same as the original one. |