

TEST SUITE: Chapter 9 Tests.cvtests
REVISION: 3668
REVISION DATE: 2010-08-31 22:20:38 -0700 (Tue, 31 Aug 2010)
WORKSTATION: SGH022SYHN
DATE: Friday, January 28, 2011
TIME: 02:44:13 PM
OPERATOR: kiunwong
NUMBER OF TESTS: 22
LOG NAME: Chapter 9 Tests 2011-01-28 14-43-08
RESULT: passed

InitializeTestSuite

```

INFO      Test log initialized.
INFO      User Input module initialized
INFO      Microsoft Windows XP (Build 2600)
INFO      Service Pack 3.0
INFO      CVExe.exe ver 1.3.0.0
INFO      CommandVerifierLog.dll ver 1.5.0.0
INFO      TSMFCGuiDialogHelperDLL.dll ver 1.5.0.0
INFO      TestUtilities.dll ver 1.2.0.0
INFO      TestSuiteEngine.dll ver 1.5.0.0
INFO      DevIOCTL.dll ver 1.4.3.0
INFO      TestServices.dll ver 1.4.3.0
INFO      USBUtilities.dll ver 1.4.3.0
INFO      USBCommandVerifier.dll ver 1.4.3.0
INFO      Host selected: PCI bus 0, device 29, function 7
INFO      DUT selected: HS Device Address : 1, VID=0957, PID=1301
  
```

GetNumberOfConfigurations

GetNumberOfConfigurations_Other

Device Descriptor Test - Configured State

Passed

```

INFO      Start time: Fri Jan 28 14:43:11 2011
INFO      Device descriptor length : 12
INFO      Device descriptor type : 1
INFO      Major version : 2
INFO      Minor version : 0
INFO      Each interface specifies its own device class type
INFO      Device sub class : 0
INFO      Device protocol : 0
INFO      Device MaxPacketSize0 : 40
WARNING   Could not open file 'usb.if'.
WARNING   Failed to get vendor information for VendorID : 957
INFO      Device ProductID : 1301
INFO      Device BCD : 100
INFO      ENGLISH_US language string descriptor is : Agilent
          Technologies
INFO      ENGLISH_US language string descriptor is : N1912A
INFO      ENGLISH_US language string descriptor is : MY12345678
  
```

```

INFO      Number of configurations device supports : 1
INFO      Stop time: Fri Jan 28 14:43:12 2011
INFO      Duration: 1 second.
INFO      Stopping Test [ Device Descriptor Test (Configuration
Index 0): Number of: Fails (0); Aborts (0); Warnings
(2) ]

```

Device Descriptor Test - Addressed State

Passed

```

INFO      Start time: Fri Jan 28 14:43:12 2011
INFO      Device descriptor length : 12
INFO      Device descriptor type : 1
INFO      Major version : 2
INFO      Minor version : 0
INFO      Each interface specifies its own device class type
INFO      Device sub class : 0
INFO      Device protocol : 0
INFO      Device MaxPacketSize0 : 40
WARNING   Could not open file 'usb.if'.
WARNING   Failed to get vendor information for VendorID : 957
INFO      Device ProductID : 1301
INFO      Device BCD : 100
INFO      ENGLISH_US language string descriptor is : Agilent
Technologies
INFO      ENGLISH_US language string descriptor is : N1912A
INFO      ENGLISH_US language string descriptor is : MY12345678
INFO      Number of configurations device supports : 1
INFO      Stop time: Fri Jan 28 14:43:13 2011
INFO      Duration: 1 second.
INFO      Stopping Test [ Device Descriptor Test (Configuration
Index 0): Number of: Fails (0); Aborts (0); Warnings
(2) ]

```

BOS Descriptor Test - Addressed state

Passed

```

INFO      Start time: Fri Jan 28 14:43:13 2011
INFO      USB Version number of device: 2.00
INFO      BOS Descriptors not supported in USB 2.0 and before.
INFO      Stop time: Fri Jan 28 14:43:14 2011
INFO      Duration: 1 second.
INFO      Stopping Test [ TD 9.7 BOS Descriptor Test: Number of:
Fails (0); Aborts (0); Warnings (0) ]

```

Config Descriptor Test - Configured State

Passed

```

INFO      Start time: Fri Jan 28 14:43:14 2011
INFO      Number of interface descriptors found 1
INFO      Number of alternate interface descriptors found : 0
INFO      Number of endpoint descriptors found : 3
INFO      Configuration descriptor length : 9
INFO      Configuration descriptor type : 2
INFO      Configuration descriptor TotalLength : 27
INFO      Configuration descriptor NumInterfaces : 1

```

```

INFO      Configuration descriptor ConfigurationValue: 1
INFO      Configuration descriptor string descriptor index : 0
INFO      Configuration descriptor bmAttributes : 80
INFO      Device does not support remote wake up
INFO      Maximum power device requires : 0mA
WARNING   (1.2.32) A BUS POWERED device cannot draw zero power.
INFO      Device is currently SELF POWERED
INFO      Currently remote wakeup is DISABLED
INFO      Stop time: Fri Jan 28 14:43:15 2011
INFO      Duration: 1 second.
INFO      Stopping Test [ Configuration Descriptor Test
          (Configuration Index 0): Number of: Fails (0); Aborts
          (0); Warnings (1) ]

```

Config Descriptor Test - Addressed State

Passed

```

INFO      Start time: Fri Jan 28 14:43:15 2011
INFO      Number of interface descriptors found 1
INFO      Number of alternate interface descriptors found : 0
INFO      Number of endpoint descriptors found : 3
INFO      Configuration descriptor length : 9
INFO      Configuration descriptor type : 2
INFO      Configuration descriptor TotalLength : 27
INFO      Configuration descriptor NumInterfaces : 1
INFO      Configuration descriptor ConfigurationValue: 1
INFO      Configuration descriptor string descriptor index : 0
INFO      Configuration descriptor bmAttributes : 80
INFO      Device does not support remote wake up
INFO      Maximum power device requires : 0mA
WARNING   (1.2.32) A BUS POWERED device cannot draw zero power.
INFO      Device is currently SELF POWERED
INFO      Currently remote wakeup is DISABLED
INFO      Stop time: Fri Jan 28 14:43:16 2011
INFO      Duration: 1 second.
INFO      Stopping Test [ Configuration Descriptor Test
          (Configuration Index 0): Number of: Fails (0); Aborts
          (0); Warnings (1) ]

```

Interface Descriptor Test

Passed

```

INFO      Start time: Fri Jan 28 14:43:16 2011
INFO      Bandwidth check passed
INFO      Testing Interface number : 0 Alternate setting : 0
INFO      Interface descriptor length : 9
INFO      Interface descriptor bDescriptorType : 4
INFO      Interface descriptor bAlternateSetting : 0
INFO      Interface descriptor bNumEndpoints: 3
INFO      Interface descriptor bInterfaceClass reserved for
assignment by the USB-IF : fe
INFO      Interface class code indicates [Application-Specific]
Interface
INFO      Interface sub class : 3 (USB Test and Measurement Device)
INFO      Interface protocol : 1 (USB Test and Measurement Device)

```

```

(USBTMC USB488))
INFO      Interface descriptor bInterfaceSubClass : 3
INFO      Interface descriptor bInterfaceProtocol assigned by the
          USB-IF : 1
INFO      ENGLISH_US language string descriptor is : tmc488
WARNING   SetInterface with interface number : 0 failed.
INFO      Stop time: Fri Jan 28 14:43:17 2011
INFO      Duration: 1 second.
INFO      Stopping Test [ Interface Descriptor Test (Configuration
          Index 0): Number of: Fails (0); Aborts (0); Warnings
          (1) ]

```

Endpoint Descriptor Test - Configured State

Passed

```

INFO      Start time: Fri Jan 28 14:43:17 2011
INFO      Testing Interface number : 0 Alternate setting : 0
INFO      Endpoint descriptor length : 7
INFO      Endpoint descriptor type : 5
INFO      Endpoint Type : Bulk, Number : 1, Direction : OUT
INFO      Endpoint descriptor bmAttributes : 2
INFO      Endpoint descriptor raw MaxPacketSize : 200
INFO      Endpoint descriptor interval : 0
INFO      Endpoint descriptor length : 7
INFO      Endpoint descriptor type : 5
INFO      Endpoint Type : Bulk, Number : 2, Direction : IN
INFO      Endpoint descriptor bmAttributes : 2
INFO      Endpoint descriptor raw MaxPacketSize : 200
INFO      Endpoint descriptor interval : 0
INFO      Endpoint descriptor length : 7
INFO      Endpoint descriptor type : 5
INFO      Endpoint Type : Interrupt, Number : 3, Direction : IN
INFO      Endpoint descriptor bmAttributes : 3
INFO      Endpoint descriptor raw MaxPacketSize : 2
INFO      Endpoint descriptor interval : 1
INFO      Stop time: Fri Jan 28 14:43:18 2011
INFO      Duration: 1 second.
INFO      Stopping Test [ Endpoint Descriptor Test (Configuration
          Index 0): Number of: Fails (0); Aborts (0); Warnings
          (0) ]

```

Endpoint Descriptor Test - Addressed State

Passed

```

INFO      Start time: Fri Jan 28 14:43:18 2011
INFO      Testing Interface number : 0 Alternate setting : 0
INFO      Endpoint descriptor length : 7
INFO      Endpoint descriptor type : 5
INFO      Endpoint Type : Bulk, Number : 1, Direction : OUT
INFO      Endpoint descriptor bmAttributes : 2
INFO      Endpoint descriptor raw MaxPacketSize : 200
INFO      Endpoint descriptor interval : 0
INFO      Endpoint descriptor length : 7
INFO      Endpoint descriptor type : 5
INFO      Endpoint Type : Bulk, Number : 2, Direction : IN

```

```
INFO      Endpoint descriptor bmAttributes : 2
INFO      Endpoint descriptor raw MaxPacketSize : 200
INFO      Endpoint descriptor interval : 0
INFO      Endpoint descriptor length : 7
INFO      Endpoint descriptor type : 5
INFO      Endpoint Type : Interrupt, Number : 3, Direction : IN
INFO      Endpoint descriptor bmAttributes : 3
INFO      Endpoint descriptor raw MaxPacketSize : 2
INFO      Endpoint descriptor interval : 1
INFO      Stop time: Fri Jan 28 14:43:19 2011
INFO      Duration: 1 second.
INFO      Stopping Test [ Endpoint Descriptor Test (Configuration
Index 0): Number of: Fails (0); Aborts (0); Warnings
(0) ]
```

Halt Endpoint Test

Passed

```
INFO      Start time: Fri Jan 28 14:43:19 2011
INFO      Testing Interface number : 0 Alternate setting : 0
WARNING   SetInterface with interface number : 0 failed.
INFO      Testing EndPoint type : Bulk, Address : 1
INFO      Endpoint is currently not halted
INFO      Endpoint is halted
INFO      Cleared endpoint halt
INFO      Testing EndPoint type : Bulk, Address : 82
INFO      Endpoint is currently not halted
INFO      Endpoint is halted
INFO      Cleared endpoint halt
INFO      Testing EndPoint type : Interrupt, Address : 83
INFO      Endpoint is currently not halted
INFO      Endpoint is halted
INFO      Cleared endpoint halt
INFO      Stop time: Fri Jan 28 14:43:20 2011
INFO      Duration: 1 second.
INFO      Stopping Test [ Halt Endpoint Test (Configuration Index
0): Number of: Fails (0); Aborts (0); Warnings (1) ]
```

Set Configuration Test

Passed

```
INFO      Start time: Fri Jan 28 14:43:20 2011
INFO      SetConfiguration with configuration value : 1
INFO      Unconfigured the device
INFO      SetConfiguration with configuration value : 1
INFO      Stop time: Fri Jan 28 14:43:21 2011
INFO      Duration: 1 second.
INFO      Stopping Test [ SetConfiguration Test (Configuration
Index 0): Number of: Fails (0); Aborts (0); Warnings
(0) ]
```

Suspend/Resume Test

Passed

```
INFO      Start time: Fri Jan 28 14:43:21 2011
INFO      Suspended the parent port of the device
```

```
INFO      Stop time: Fri Jan 28 14:43:23 2011
INFO      Duration: 2 seconds.
INFO      Stopping Test [ Suspend/Resume Test (Configuration Index
0): Number of: Fails (0); Aborts (0); Warnings (0) ]
```

Remote Wakeup Test - Enabled

Passed

```
INFO      Start time: Fri Jan 28 14:43:23 2011
INFO      The device does not support remote wakeup
INFO      Stop time: Fri Jan 28 14:43:24 2011
INFO      Duration: 1 second.
INFO      Stopping Test [ Remote Wakeup Test (Configuration Index
0): Number of: Fails (0); Aborts (0); Warnings (0) ]
```

Remote Wakeup Test - Disabled

Passed

```
INFO      Start time: Fri Jan 28 14:43:24 2011
INFO      The device does not support remote wakeup
INFO      Stop time: Fri Jan 28 14:43:25 2011
INFO      Duration: 1 second.
INFO      Stopping Test [ Remote Wakeup Test (Configuration Index
0): Number of: Fails (0); Aborts (0); Warnings (0) ]
```

Other Speed Config Descriptor Test - Addressed State

Passed

```
INFO      Start time: Fri Jan 28 14:43:25 2011
INFO      Number of interface descriptors found 1
INFO      Number of alternate interface descriptors found : 0
INFO      Number of endpoint descriptors found : 3
INFO      Configuration descriptor length : 9
INFO      Configuration descriptor type : 7
INFO      Configuration descriptor TotalLength : 27
INFO      Configuration descriptor NumInterfaces : 1
INFO      Configuration descriptor ConfigurationValue: 1
INFO      Configuration descriptor string descriptor index : 0
INFO      Configuration descriptor bmAttributes : 80
INFO      Device does not support remote wake up
INFO      Maximum power device requires : 0mA
WARNING   (1.2.32) A BUS POWERED device cannot draw zero power.
INFO      Stop time: Fri Jan 28 14:43:26 2011
INFO      Duration: 1 second.
INFO      Stopping Test [ Other Speed Configuration Test
(Configuration Index 0 OtherSpeedConfiguration Index 0):
Number of: Fails (0); Aborts (0); Warnings (1) ]
```

Other Speed Interface Descriptor Test - Addressed State

Passed

```
INFO      Start time: Fri Jan 28 14:43:26 2011
INFO      Bandwidth check passed
INFO      Testing Interface number : 0 Alternate setting : 0
INFO      Interface descriptor length : 9
INFO      Interface descriptor bDescriptorType : 4
INFO      Interface descriptor bAlternateSetting : 0
```

```

INFO      Interface descriptor bNumEndpoints: 3
INFO      Interface descriptor bInterfaceClass reserved for
          assignment by the USB-IF : fe
INFO      Interface class code indicates [Application-Specific]
          Interface
INFO      Interface sub class : 3 (USB Test and Measurement Device)
INFO      Interface protocol : 1 (USB Test and Measurement Device
          (USBTMC USB488))
INFO      Interface descriptor bInterfaceSubClass : 3
INFO      Interface descriptor bInterfaceProtocol assigned by the
          USB-IF : 1
INFO      ENGLISH_US language string descriptor is : tmc488
INFO      Stop time: Fri Jan 28 14:43:27 2011
INFO      Duration: 1 second.
INFO      Stopping Test [ Interface Descriptor Test (Configuration
          Index 0 OtherSpeedConfiguration Index 0): Number of:
          Fails (0); Aborts (0); Warnings (0) ]

```

Other Speed Endpoint Descriptor Test - Addressed State

Passed

```

INFO      Start time: Fri Jan 28 14:43:27 2011
INFO      Testing Interface number : 0 Alternate setting : 0
INFO      Endpoint descriptor length : 7
INFO      Endpoint descriptor type : 5
INFO      Endpoint Type : Bulk, Number : 1, Direction : OUT
INFO      Endpoint descriptor bmAttributes : 2
INFO      Endpoint descriptor raw MaxPacketSize : 40
INFO      Endpoint descriptor interval : 0
INFO      Endpoint descriptor length : 7
INFO      Endpoint descriptor type : 5
INFO      Endpoint Type : Bulk, Number : 2, Direction : IN
INFO      Endpoint descriptor bmAttributes : 2
INFO      Endpoint descriptor raw MaxPacketSize : 40
INFO      Endpoint descriptor interval : 0
INFO      Endpoint descriptor length : 7
INFO      Endpoint descriptor type : 5
INFO      Endpoint Type : Interrupt, Number : 3, Direction : IN
INFO      Endpoint descriptor bmAttributes : 3
INFO      Endpoint descriptor raw MaxPacketSize : 2
INFO      Endpoint descriptor interval : 1
INFO      Stop time: Fri Jan 28 14:43:28 2011
INFO      Duration: 1 second.
INFO      Stopping Test [ Endpoint Descriptor Test (Configuration
          Index 0 OtherSpeedConfiguration Index 0): Number of:
          Fails (0); Aborts (0); Warnings (0) ]

```

Device Qualifier Descriptor Test - Addressed State

Passed

```

INFO      Start time: Fri Jan 28 14:43:28 2011
INFO      Device qualifier length : a
INFO      Device qualifier type : 6
INFO      Major version : 2
INFO      Minor version : 0

```

```

INFO      Device Qualifier device class : 0
INFO      Device qualifier device subclass : 0
INFO      Device qualifier device protocol : 0
INFO      Device qualifier MaxPacketSize0 : 40
INFO      Device qualifier bNumConfigurations : 1
INFO      Stop time: Fri Jan 28 14:43:29 2011
INFO      Duration: 1 second.
INFO      Stopping Test [ Device Qualifier Descriptor Test
      (Configuration Index 0): Number of: Fails (0); Aborts
      (0); Warnings (0) ]

```

Device Qualifier Descriptor Test - Configured State

Passed

```

INFO      Start time: Fri Jan 28 14:43:29 2011
INFO      Device qualifier length : a
INFO      Device qualifier type : 6
INFO      Major version : 2
INFO      Minor version : 0
INFO      Device Qualifier device class : 0
INFO      Device qualifier device subclass : 0
INFO      Device qualifier device protocol : 0
INFO      Device qualifier MaxPacketSize0 : 40
INFO      Device qualifier bNumConfigurations : 1
INFO      Stop time: Fri Jan 28 14:43:30 2011
INFO      Duration: 1 second.
INFO      Stopping Test [ Device Qualifier Descriptor Test
      (Configuration Index 0): Number of: Fails (0); Aborts
      (0); Warnings (0) ]

```

Other Speed Config Descriptor Test - Configured State

Passed

```

INFO      Start time: Fri Jan 28 14:43:30 2011
INFO      Number of interface descriptors found 1
INFO      Number of alternate interface descriptors found : 0
INFO      Number of endpoint descriptors found : 3
INFO      Configuration descriptor length : 9
INFO      Configuration descriptor type : 7
INFO      Configuration descriptor TotalLength : 27
INFO      Configuration descriptor NumInterfaces : 1
INFO      Configuration descriptor ConfigurationValue: 1
INFO      Configuration descriptor string descriptor index : 0
INFO      Configuration descriptor bmAttributes : 80
INFO      Device does not support remote wake up
INFO      Maximum power device requires : 0mA
WARNING   (1.2.32) A BUS POWERED device cannot draw zero power.
INFO      Stop time: Fri Jan 28 14:43:31 2011
INFO      Duration: 1 second.
INFO      Stopping Test [ Other Speed Configuration Test
      (Configuration Index 0 OtherSpeedConfiguration Index 0):
      Number of: Fails (0); Aborts (0); Warnings (1) ]

```

Other Speed Interface Descriptor Test - Configured State

Passed


```

INFO      Start time: Fri Jan 28 14:43:31 2011
INFO      Bandwidth check passed
INFO      Testing Interface number : 0 Alternate setting : 0
INFO      Interface descriptor length : 9
INFO      Interface descriptor bDescriptorType : 4
INFO      Interface descriptor bAlternateSetting : 0
INFO      Interface descriptor bNumEndPoints: 3
INFO      Interface descriptor bInterfaceClass reserved for
assignment by the USB-IF : fe
INFO      Interface class code indicates [Application-Specific]
Interface
INFO      Interface sub class : 3 (USB Test and Measurement Device)
INFO      Interface protocol : 1 (USB Test and Measurement Device
(USBTMC USB488))
INFO      Interface descriptor bInterfaceSubClass : 3
INFO      Interface descriptor bInterfaceProtocol assigned by the
USB-IF : 1
INFO      ENGLISH_US language string descriptor is : tmc488
INFO      Stop time: Fri Jan 28 14:43:32 2011
INFO      Duration: 1 second.
INFO      Stopping Test [ Interface Descriptor Test (Configuration
Index 0 OtherSpeedConfiguration Index 0): Number of:
Fails (0); Aborts (0); Warnings (0) ]

```

Other Speed Endpoint Descriptor Test - Configured State

Passed

```

INFO      Start time: Fri Jan 28 14:43:32 2011
INFO      Testing Interface number : 0 Alternate setting : 0
INFO      Endpoint descriptor length : 7
INFO      Endpoint descriptor type : 5
INFO      Endpoint Type : Bulk, Number : 1, Direction : OUT
INFO      Endpoint descriptor bmAttributes : 2
INFO      Endpoint descriptor raw MaxPacketSize : 40
INFO      Endpoint descriptor interval : 0
INFO      Endpoint descriptor length : 7
INFO      Endpoint descriptor type : 5
INFO      Endpoint Type : Bulk, Number : 2, Direction : IN
INFO      Endpoint descriptor bmAttributes : 2
INFO      Endpoint descriptor raw MaxPacketSize : 40
INFO      Endpoint descriptor interval : 0
INFO      Endpoint descriptor length : 7
INFO      Endpoint descriptor type : 5
INFO      Endpoint Type : Interrupt, Number : 3, Direction : IN
INFO      Endpoint descriptor bmAttributes : 3
INFO      Endpoint descriptor raw MaxPacketSize : 2
INFO      Endpoint descriptor interval : 1
INFO      Stop time: Fri Jan 28 14:43:33 2011
INFO      Duration: 1 second.
INFO      Stopping Test [ Endpoint Descriptor Test (Configuration
Index 0 OtherSpeedConfiguration Index 0): Number of:
Fails (0); Aborts (0); Warnings (0) ]

```

Enumeration Test

```

INFO      Start time: Fri Jan 28 14:43:33 2011

```

```
INFO      Device speed is High
INFO      Beginning enumeration test with 150
           enumerations. This may take several minutes to complete.
INFO      enumerated 30 times
INFO      enumerated 60 times
INFO      enumerated 90 times
INFO      enumerated 120 times
INFO      Enumerated 150 iterations.
INFO      Stop time: Fri Jan 28 14:44:13 2011
INFO      Duration: 40 seconds.
INFO      Stopping Test [ Enumeration Test (repeat 150 times):
           Number of: Fails (0); Aborts (0); Warnings (0) ]
```

Passed

Display Other Tests To Run

Summary

```
INFO      Summary Log Counts [ Fails (0); Aborts (0); Warnings
           (10) ]
```