USB Enumeration Process on Windows Operating Systems
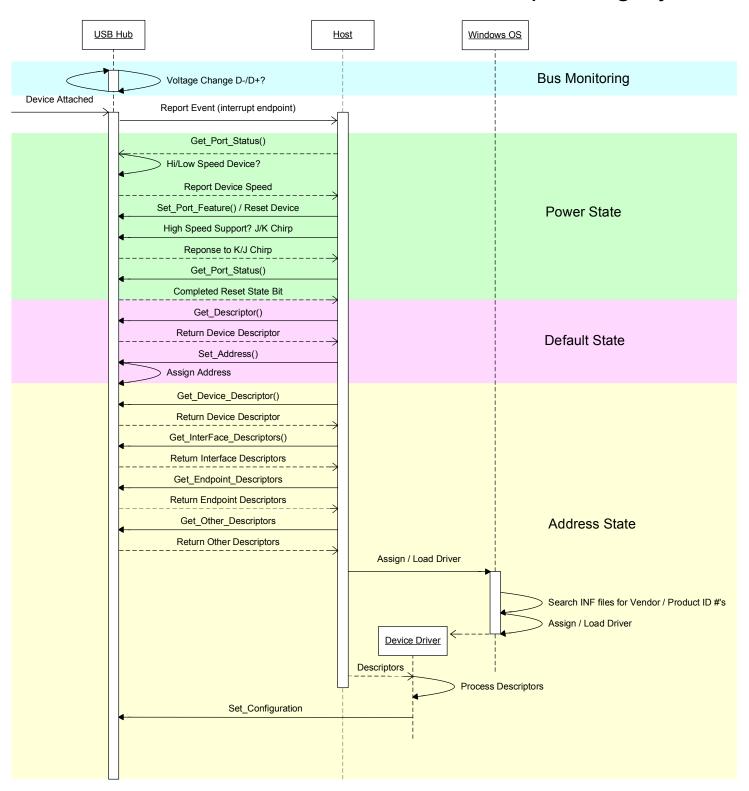
USB Hub	Host	Windows OS

Bus Monitoring

Voltage Change D-/D+?

Device Attached

Report Event (interrupt endpoint)

Power State

Get_Port_Status()

Hi/Low Speed Device?

Report Device Speed

Set_Port_Feature() / Reset Device

High Speed Support? J/K Chirp

Reponse to K/J Chirp

Get_Port_Status()

Completed Reset State Bit

Default State

Get_Descriptor()

Return Device Descriptor

Set_Address()

Assign Address

Address State

Get_Device_Descriptor()

Return Device Descriptor

Get_InterFace_Descriptors()

Return Interface Descriptors

Get_Endpoint_Descriptors

Return Endpoint Descriptors

Get_Other_Descriptors

Return Other Descriptors

Assign / Load Driver

Search INF files for Vendor / Product ID #'s

Assign / Load Driver

Device Driver

Descriptors

Process Descriptors

Set_Configuration

Configured State