

## Bus Enumeration (p243).

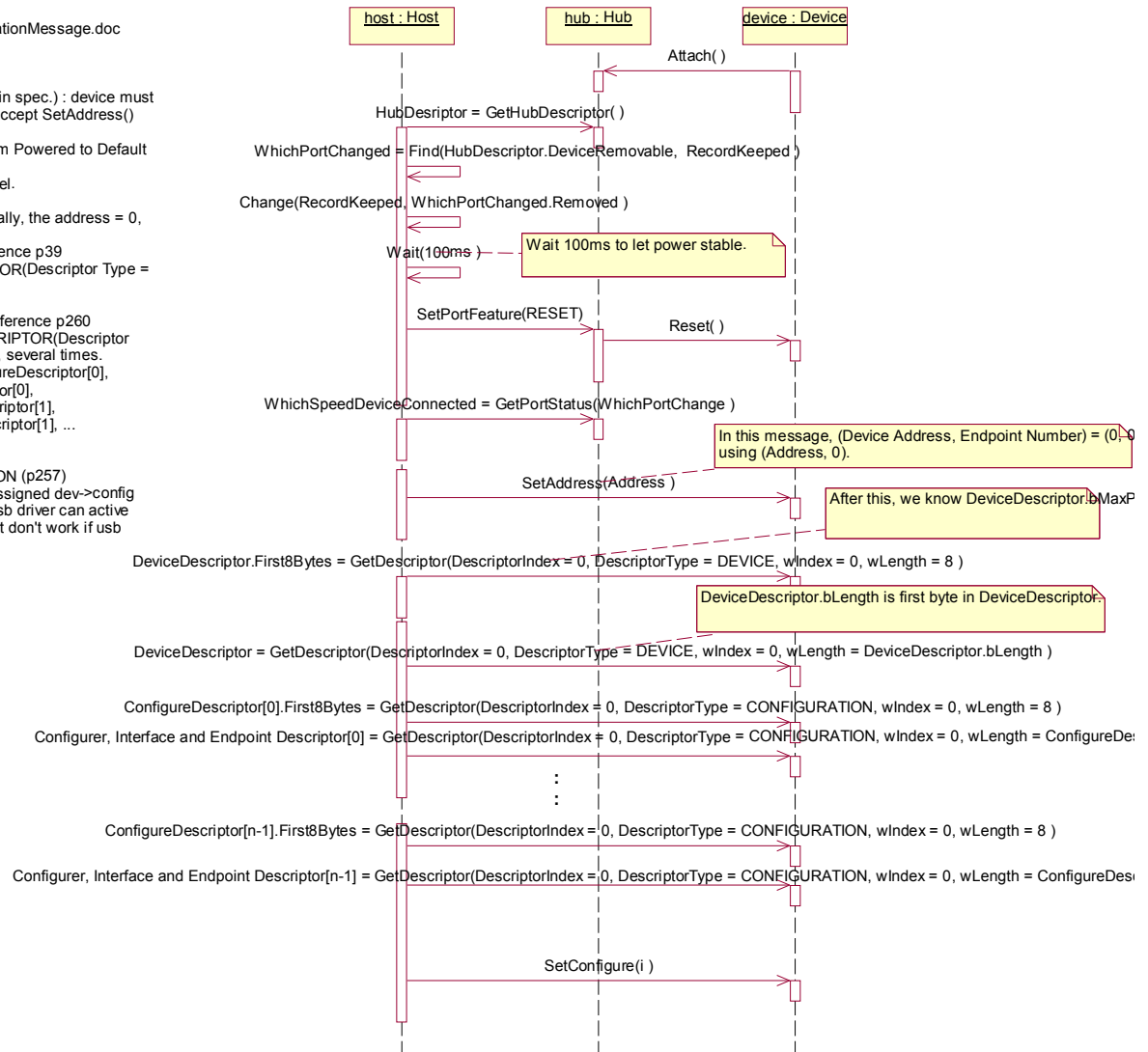
The Message contents ref. BusEnumerationMessage.doc

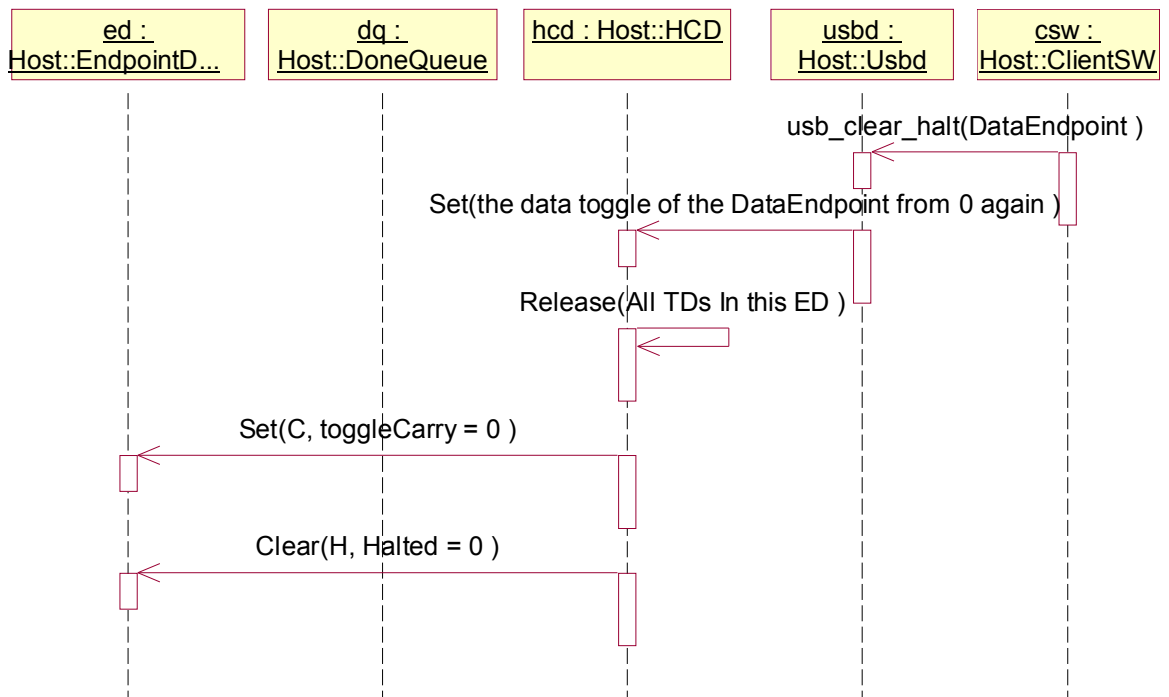
SetPortFeature(RESET) = Reset (using in spec.) : device must finish Reset in 10ms, and device must accept SetAddress() request after Reset. (p313, p153, p145)  
After Reset, the device change state from Powered to Default (p243) and hub enable this port (p313).  
Reset is done under Host Controller Level.

SetAddress() = SET\_ADDRESS : Normally, the address = 0, endpoint = 0 (p247, p256)  
GetDeviceDescriptorFirst8Bytes() : reference p39  
GetDeviceDescriptor() = GET\_DESCRIPTOR(Descriptor Type = DEVICE) (p251, p253)

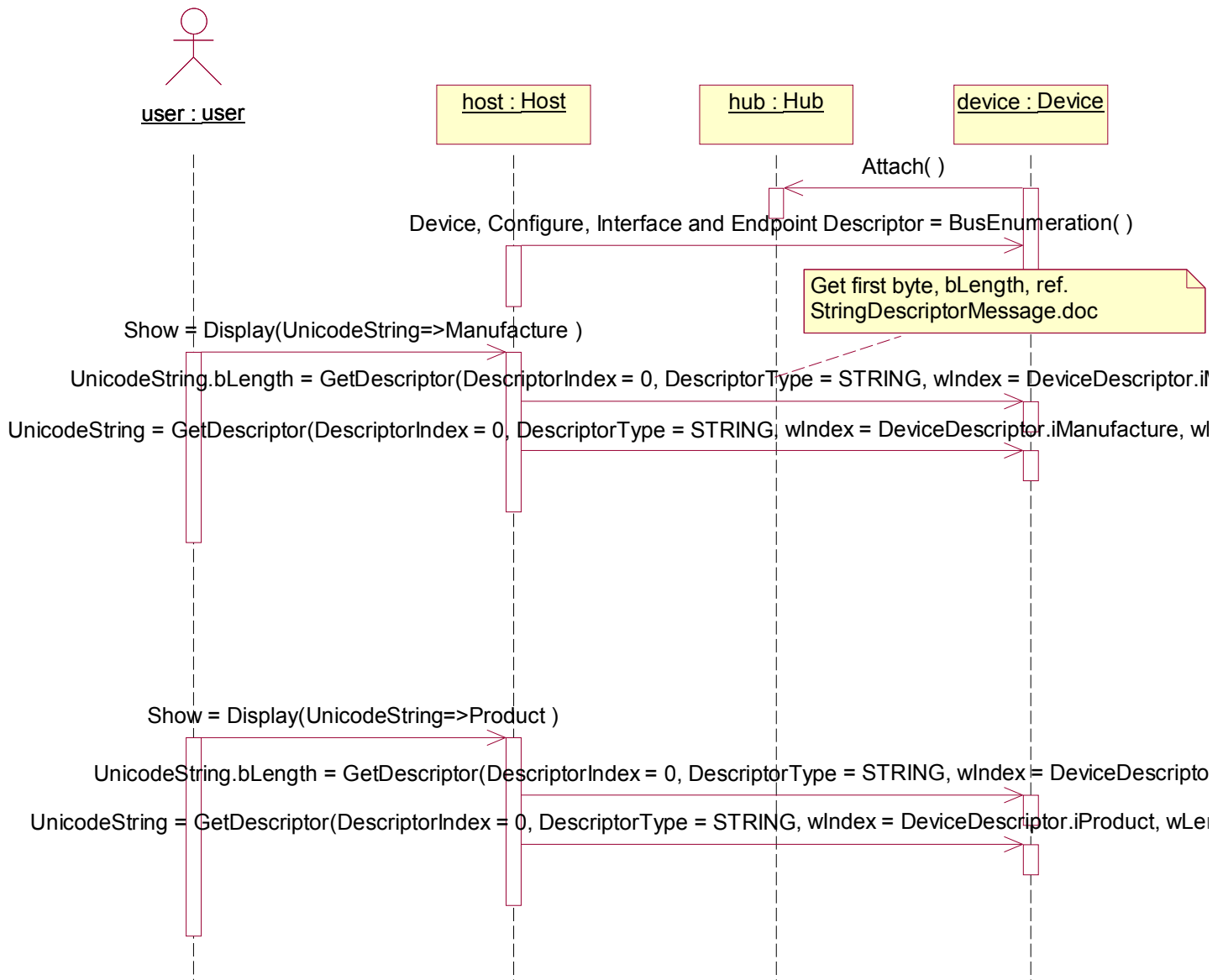
GetConfigureDescriptorFirst8Bytes() : reference p260  
GetConfigureDescriptor() = GET\_DESCRIPTOR(Descriptor Type = CONFIGURATION) (p251, p253), several times.  
appear sequence in contents is (ConfigureDescriptor[0], InterfaceDescriptor[0], EndpointDescriptor[0], ..., InterfaceDescriptor[1], EndpointDescriptor[0], ..., ConfigureDescriptor[1], ... reference p253

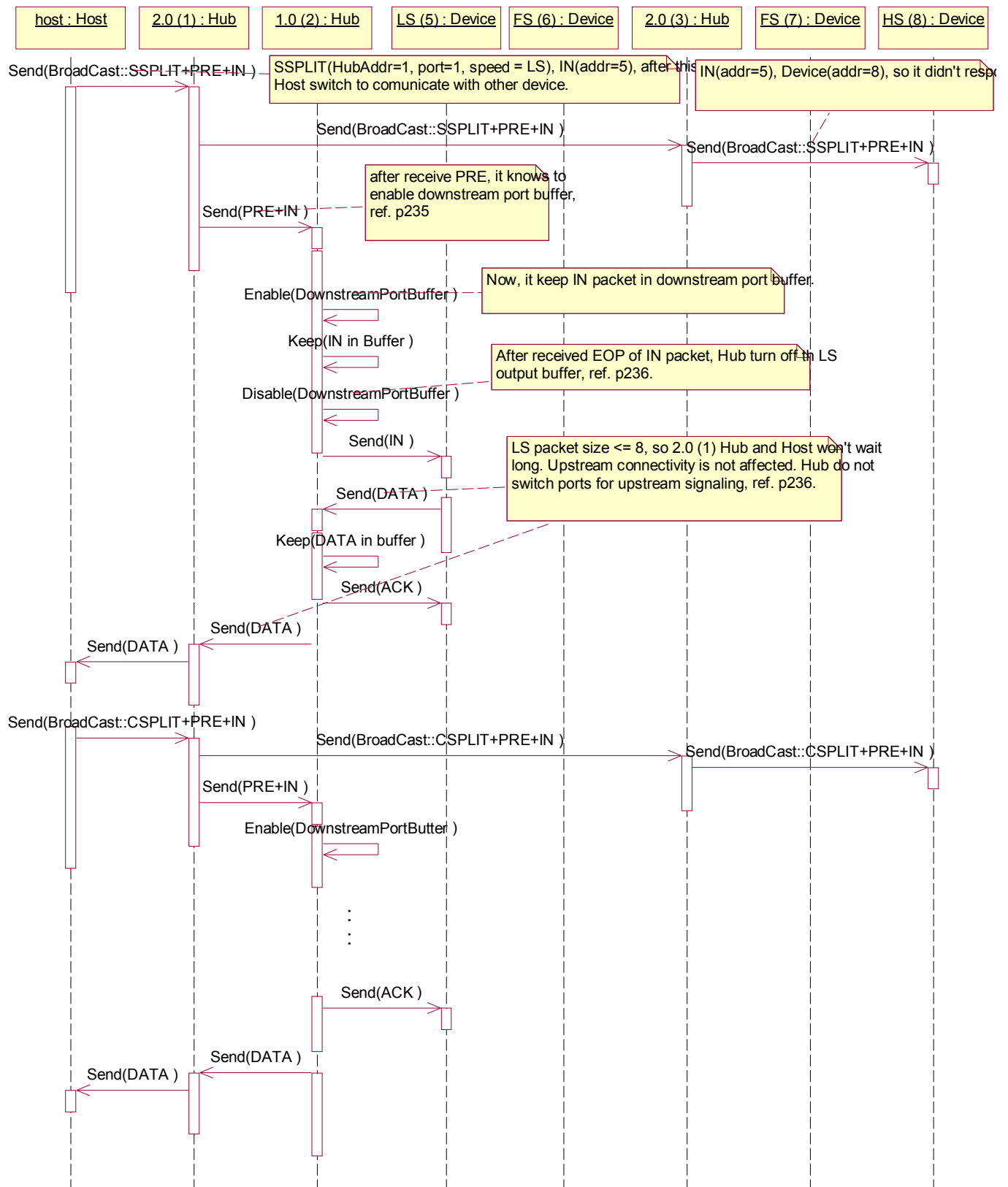
SetConfigure() = SET\_CONFIGURATION (p257)  
I think, linux-usb SystemSoftware has assigned dev->config[0].bConfigurationValue as default, so usb driver can active SetConfigure() before use (I think it's just don't work if usb driver didn't do SetConfigure().)

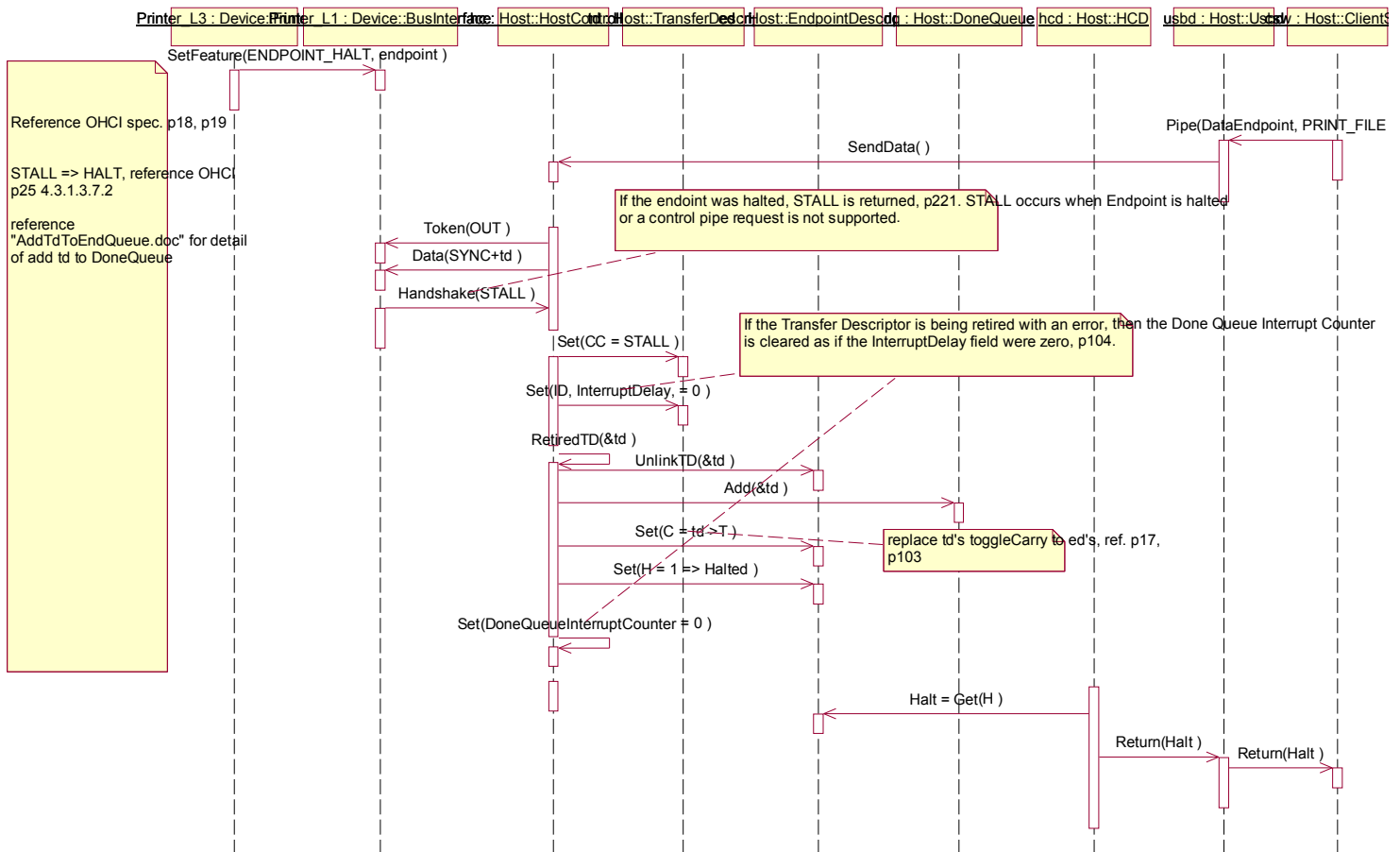






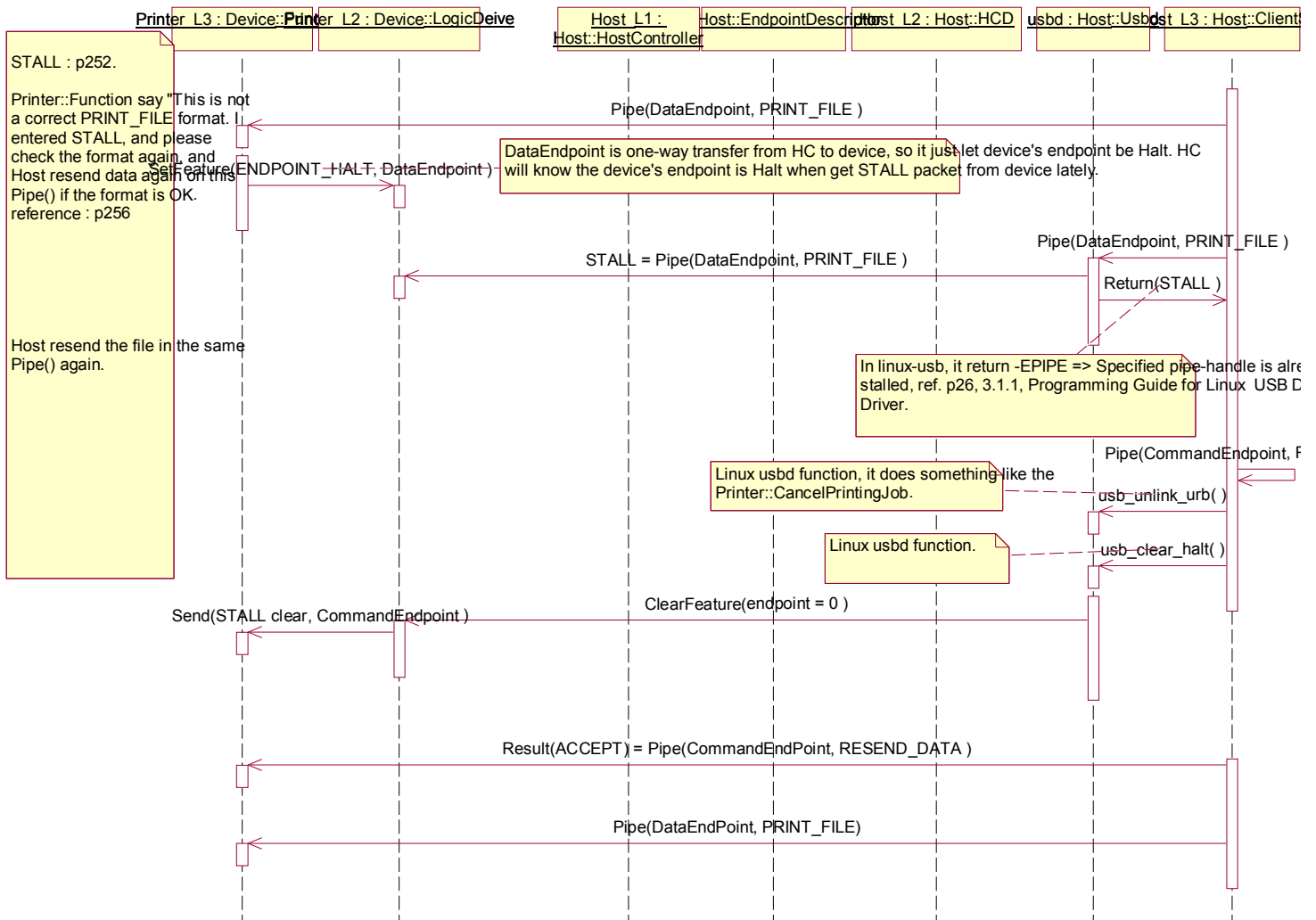


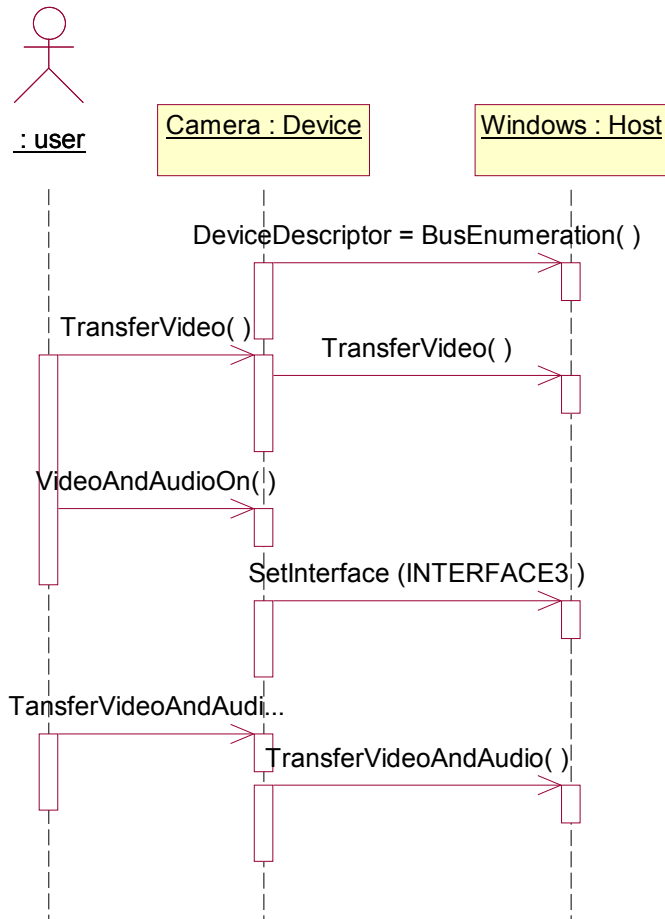








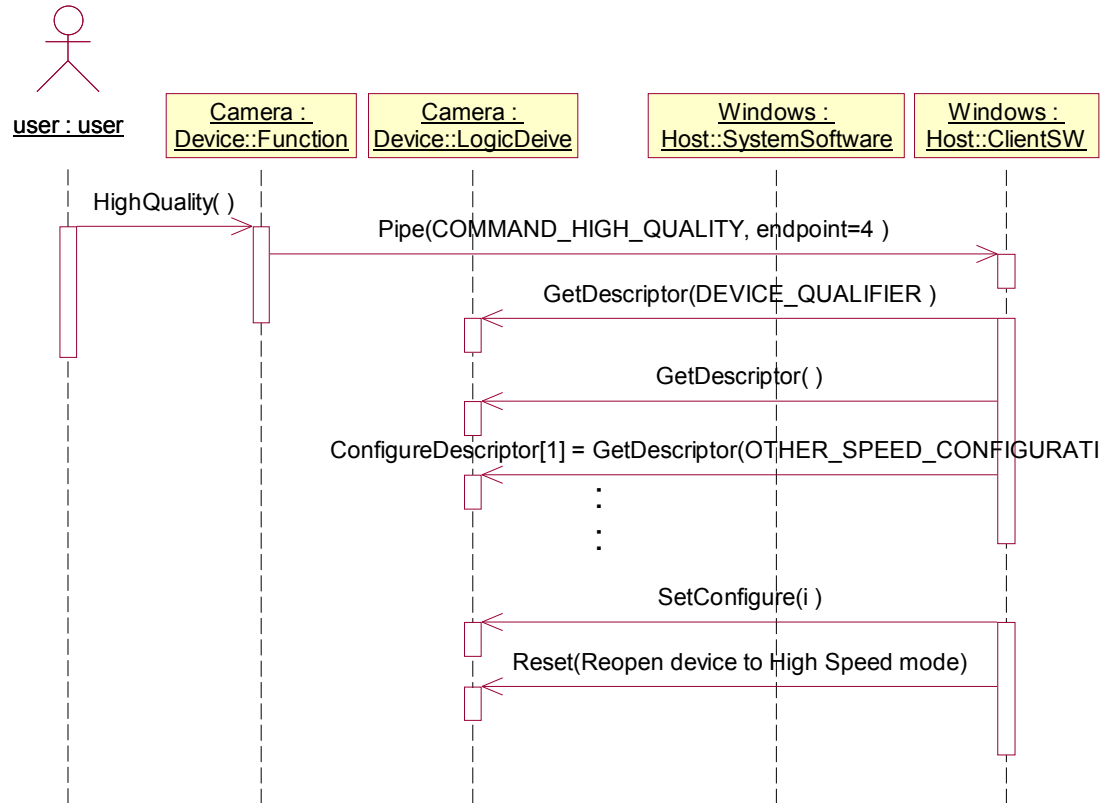




INTERFACE1 : Camera activated, endpoint 1.  
 INTERFACE2 : Microphone activated, endpoint 2  
 INTERFACE3 : Camera and microphone activated, endpoint 1 and 2

At beginning, TransferImage() using default interface, INTERFACE1.  
 INTERFACE1 has 1 endpoint to pipe Video Data.

INTERFACE3 has 2 endpoints, one for Video Data, the other for Audio Data.



Host::SystemSoftware  
decide weather change to  
HighSpeed.  
reference p247 9.2.6.6

