USB4 1.0 ENGINEERING CHANGE NOTICE FORM

Title: Hot-Plug Notification Packet from DFP
Applied to: USB4 Specification Version 1.0

Brief description of the functional changes:
Hot Plug Notification Packet is required only on Lane Adapters that are part of DFP.

Benefits as a result of the changes:
Reduces requirements and adds simplicity.

An assessment of the impact to the existing revision and systems that currently conform to the USB specification:
None

An analysis of the hardware implications:
None

An analysis of the software implications:
None

An analysis of the compliance testing implications:
None

USB4 1.0 ENGINEERING CHANGE NOTICE FORM

Actual Change

(a). Section 4.2.1.3.3 Exit from State, Page 140

From Text:
A Hot Plug Event Packet shall be sent on transition to CL0 state if the Adapter entered Training state from a CLd state.

To Text:
A Hot Plug Event Packet shall be sent on transition to CL0 state if the Adapter is part of a Downstream Facing Port and it entered Training state from a CLd state.

(b). 4.4.2 Error Cases and Recovery, Page 176

From Text:
An Adapter reports Logical Layer errors in the Logical Layer Errors field in the Lane Adapter Configuration Capability. The Logical Layer Errors Enable field in the Lane Adapter Configuration Capability controls which Logical Layer errors are reported by Notification Packets. A Router may hardwire a Logical Layer Errors Enable bit (other than the OSE bit) to 0b to permanently disable reporting of an error by Notification Packets.

To Text:
An Adapter reports Logical Layer errors in the Logical Layer Errors field in the Lane Adapter Configuration Capability. The Logical Layer Errors Enable field in the Lane Adapter Configuration Capability controls which Logical Layer errors are reported by Notification Packets. A Router may hardwire a Logical Layer Errors Enable bit (other than the OSE bit) to 0b to permanently disable reporting of an error by Notification Packets. If the response to the error case is a transition to Training state and the Logical Errors Enable field for the error case is set to 1b, a Lane Adapter that is part of the Upstream Facing Port sends a Notification Packet after it transitions back to CL0.