USB4 1.0 ENGINEERING CHANGE NOTICE FORM

Title: Upstream Adapter RO
Applied to: USB4 Specification Version 1.0

Brief description of the functional changes:
Changes the Upstream Adapter to be RO field and fix TBT3 compatibility.

Benefits as a result of the changes:
The Upstream Adapter field should have the right type – it shouldn't be allowed to change by the CM.

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

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Actual Change

(a). Table 8-3

Table 8-3. Router Configuration Space Basic Attributes

DW	Register Name	Bit(s)	Field Name and Description	Type	Default Value
1	ROUTER_CS_1	13:8	**Upstream Adapter** This field contains the Adapter number of the Adapter that routes Control Packets to and from the Connection Manager. For a Host Router, the Host Interface Adapter is the Upstream Adapter. For a Device Router, the Upstream Adapter is the Lane 0 Adapter in the Upstream Facing Port.	~~R/W~~ RO	Vendor Defined

(b). Section 13.6.1 Router Configuration Space

~~A Router shall support the Router Configuration Space Basic Attributes defined in Table 13-12.~~

~~Table 13-12. Router Configuration Space Basic Attributes~~

~~DW~~	~~Register Name~~	~~Bit(s)~~	~~Field Name and Description~~	~~Type~~	~~Default Value~~
~~1~~	~~ROUTER_CS_1~~	~~13:8~~	~~**Upstream Adapter**~~ ~~This field contains the Adapter number of the Adapter that routes Control Packets to and from the Connection Manager.~~ ~~The Connection Manager sets the value of this field. A value of 0 means the Upstream Adapter has not been set.~~	~~R/W~~	~~0 for Device Routers~~