

# USB4 1.0 ENGINEERING CHANGE NOTICE FORM

**Title: Link Management Packets Routing Rules**  
**Applied to: USB4 Specification Version 1.0**

<b>Brief description of the functional changes:</b>
---

Clarifies the Link Management Packet routing rules for Path Credit Sync Packets.
--

<b>Benefits as a result of the changes:</b>
---

Fixes an ambiguity in the specification.
--

<b>An assessment of the impact to the existing revision and systems that currently conform to the USB specification:</b>
--

None
------

<b>An analysis of the hardware implications:</b>
--

None
------

<b>An analysis of the software implications:</b>
--

None
------

<b>An analysis of the compliance testing implications:</b>
--

None
------

# USB4 1.0 ENGINEERING CHANGE NOTICE FORM

## Actual Change

### (a). 5.2.4.2 Link Management Packets

#### 5.2.4.2 Link Management Packets

Link Management Packets use HopIDs 1 through 7 (inclusive). If the SuppID bit is set to 1b, Link Management Packets also use HopIDs greater than 7. Only Lane Adapters route Link Management Packets – a Protocol Adapter does not send or receive Link Management Packets.

The following rules determine how a Lane Adapter routes a ~~Transport Layer Packet with HopID 1 through 7~~Link Management Packet:

- A Transport Layer Packet with a HopID value of 1 shall be forwarded to the Transport Layer for credit management processing. It shall not be forwarded to an Egress Adapter.
- A Transport Layer Packet with a HopID value of 2 shall be dropped and no further action shall be taken on its behalf.
- A Transport Layer Packet with a HopID value of 3 shall be forwarded to the TMU. It shall not be forwarded to an Egress Adapter.
- A Transport Layer Packet with a HopID value of 4 through 7 shall be dropped and no further action shall be taken on its behalf.
- A Transport Layer Packet with a HopID value greater than 7 and the SuppID bit set to 1b shall be forwarded to the Transport Layer for credit management processing. It shall not be forwarded to an Egress Adapter.