USB4 1.0 ENGINEERING CHANGE REQUEST FORM

Title: Inter-Domain Time Stamp Packet Routing
Applied to: USB4 Specification Version 1.0

Brief description of the functional changes:
Adds routing rules for Inter-Domain Time Stamp Packet. When generated or received by a Device Router it should be transmitted to the UFP.

Benefits as a result of the changes:
There was no requirement for routing and only a note indicating how the packet will arrive to the Host Router.

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). Section 7.3.2 – Inter-Domain Time Sync

To Text:

If the *TSInterDomainInterval* field in Router Configuration Space is 0, the IDTI Port shall send the Inter-Domain Time Stamp Packet after each Inter-Domain Time Sync Handshake. If the *TSInterDomainInterval* field in Router Configuration Space is not 0, the IDTI Port shall send the Inter-Domain Time Stamp Packet at time intervals equal to (*TSInterDomainInterval* + 1) * *TSPacketInterval* number of microseconds. In a Device Router, the Inter-Domain Time Stamp Packet, whether it was generated in the TMU or received in the TMU from a DFP, shall be sent to the UFP.