

USB4 2.0 ENGINEERING CHANGE REQUEST FORM

Title: Inter-Domain Time Stamp Packet Routing
Applied to: USB4 Specification Version 2.0

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.

USB4 2.0 ENGINEERING CHANGE REQUEST FORM

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.