USB4 1.0 ENGINEERING CHANGE NOTICE FORM

Title: Changes Certain Reserved bits in TMU_ADP_CS_6 to Vendor Defined
Applied to: USB4 Specification Version 1.0

Brief description of the functional changes:
Changes some bits in TMU_ADP_CS_6 from reserved to vendor defined.

Benefits as a result of the changes:
Better compatibility with existing eco-system.

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 8-11, TMU Adapter Configuration Capability Fields

From Text:

6	TMU_ADP_CS_6	0	**Reserved**	RsvdZ	0
		1	**Disable Time Sync (DTS)** A Connection Manager uses this bit to disable Time Synchronization Handshake initiation. If set to 1b, the Adapter shall not send any Delay Requests or Delay Responses. If set to 0b, the Adapter may send Delay Requests or Delay Responses.	R/W	0
		15:2	**Reserved**	RsvdZ	0
		31:16	**Vendor Defined**	VD	Vendor Defined

To Text:

6	TMU_ADP_CS_6	0	~~Reserved~~**Vendor Defined**	~~RsvdZ~~VD	Vendor Defined~~0~~
		1	**Disable Time Sync (DTS)** A Connection Manager uses this bit to disable Time Synchronization Handshake initiation. If set to 1b, the Adapter shall not send any Delay Requests or Delay Responses. If set to 0b, the Adapter may send Delay Requests or Delay Responses.	R/W	0
		3:2	**Vendor Defined**	VD	Vendor Defined~~0~~
		15:~~2~~4	**Reserved**	RsvdZ	0
		31:16	**Vendor Defined**	VD	Vendor Defined

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(b). Figure 8-8, Structure of the TMU Adapter Configuration Capability

From Text:

31		0	
Reserved	Capability ID	Next Capability Pointer	0
TxTimeToWire			1
RxTimeToWire			2
IDS / IDM / UDM — Reserved			3
TX TSNOS counter	RX TSNOS counter		4
TX Packet counter	RX Packet counter		5
Vendor Defined — Reserved — DTS — Rsvd			6
Rsvd — Bad Packet Counter — Lost Packet Counter — Lost TSNOS Counter			7

To Text:

31		0	
Reserved	Capability ID	Next Capability Pointer	0
TxTimeToWire			1
RxTimeToWire			2
IDS / IDM / UDM — Reserved			3
TX TSNOS counter	RX TSNOS counter		4
TX Packet counter	RX Packet counter		5
Vendor Defined — Reserved — Vendor Defined — DTS — VD			6
Rsvd — Bad Packet Counter — Lost Packet Counter — Lost TSNOS Counter			7