

USB4 2.0 ENGINEERING CHANGE NOTICE FORM

Title: Cable USB4 Version Change

Applied to: USB4 Specification Version 2.0

Brief description of the functional changes:
Since USB4 Cables have dedicated bits to indicate support of Gen 4 and Asymmetric, it's not relevant to have also the Cable USB4 Version except for knowing it's a USB4 or TBT3 Cable.

Benefits as a result of the changes:
Removing redundant information.

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 Requested

(a). Table 8-13 - USB4 Port Capability Fields

To Text:

DW	Register Name	Bit(s)	Field Name and Description	Type	Default Value
18	PORT_CS_18	7:0	Cable USB4 VersionSupport This field shall identify whether the USB Type-C® cable connected to the Port supports USB4, which version of the USB4 specification is supported by the USB Type-C® Cable where: Bits 7:4 identify the major version Bits 3:0 identify the minor version Allocated values: 0x0Xh – Reserved for TBT3Cable does not support USB4 1x010h – Version 1.0Cable supports USB4 2x0 – Version 2.0 <u>Note: all USB Full-Featured Type-C® cables other than a TBT3 Active cable support USB4 for the purposes of this field.</u> All other encodings are reserved. <u>The value in this field is only valid when a USB Type-C® cable connected to the Port.</u>	RO	10h