

USB4 1.0 ENGINEERING CHANGE NOTICE FORM

Title: Target Link Speed Default Value
Applied to: USB4 Specification Version 1.0

Brief description of the functional changes:

Changes the default value of the Target Link Speed to match the maximum Supported Link Speed so Gen 3 Link could be established after resetting the Lane Adapter.

Benefits as a result of the changes:

Enables Gen 3 Link after Lane Adapter reset.

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 8-12 Contents of the Lane Adapter Configuration Capability

From Text:

1	LANE_ADP_CS_1	3:0	Target Link Speed A Connection Manager uses this field to indicate which Link speed the Router attempts to establish for the USB4 Port. Defined encodings are: 1000b – Router shall attempt Gen 2 speed 1100b – Router shall attempt Gen 3 speed All other encodings are reserved.	R/W	Vendor Defined
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To Text:

1	LANE_ADP_CS_1	3:0	Target Link Speed A Connection Manager uses this field to indicate which Link speed the Router attempts to establish for the USB4 Port. Defined encodings are: 1000b – Router shall attempt Gen 2 speed 1100b – Router shall attempt Gen 3 speed All other encodings are reserved.	R/W	<u>Host Router:</u> Vendor Defined <u>Device Router:</u> Shall match the highest speed supported by the Lane
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