

USB4 1.0 ENGINEERING CHANGE NOTICE FORM

Title: Response to Control Adapter Access
Applied to: USB4 Specification Version 1.0

Brief description of the functional changes:

Adds definition for a response when a TBT3 Connection Manager access to a Control Adapters Adapter CS. This access is disallowed for USB4 Connection Manager
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Benefits as a result of the changes:

Ensures interoperability with TBT3 Connection Manager

An assessment of the impact to the existing revision and systems that currently conform to the USB specification:
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None

An analysis of the hardware implications:
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If Control Adapter is implemented in HW – needs to response with ERR_ADP
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An analysis of the software implications:
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None

An analysis of the compliance testing implications:
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None

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Actual Change

(a). Section 13.6.2 (Adapter Configuration Space)

Add at the end of the section:

A TBT3 Connection Manager may initiate several Read Requests to the Basic Configuration Registers in the Adapter Configuration Space of the Control Adapter. A Device Router shall respond to those accesses in one of the following two ways:

1. Send a Notification Packet with Event Code = ERR ADP, as defined in Table 6-11.
2. Send a Read Response with the following values:
 - a. For ADP CS 2, respond with value 0x01000001
 - b. For any other address respond with any value