

USB4 1.0 ENGINEERING CHANGE NOTICE FORM

Title: Buffer Allocation Request Operation
Applied to: USB4 Specification Version 1.0

Brief description of the functional changes:

Makes the Buffer Allocation Request Router Operation mandatory.

Benefits as a result of the changes:

Connection Manager will not have to guess the amount needed for a Router.

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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Implement the Operation

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 8.3.1.3.4 Buffer Allocation Request

8.3.1.3.4 Buffer Allocation Request (~~Optional~~Required)

A Router ~~may optionally~~shall support this Router Operation.

(b). Section 5.3.2.1.1 Buffer Allocation

CONNECTION MANAGER NOTE

If a Router supports the Buffer Allocation Request Operation defined in Section 8.3.1.3.4, then a ~~A~~ Connection Manager uses the parameters provided by the Buffer Allocation Request Operation defined in Section 8.3.1.3.4 to allocate Buffers for each Path. If a Router does not support the Operation, a Connection Manager allocates the buffers according to the guidelines in the Connection Manager Guide. The ~~A~~ Connection Manger can allocate buffer space up to what ~~is defined in~~ it reads from the Total Buffers field.