

USB4 1.0 ENGINEERING CHANGE NOTICE FORM

Title: Credit Grant Packets for HopID 0 are Only Required on Lane 0

Applied to: USB4 Specification Version 1.0

Brief description of the functional changes:

Only requires that Credit Grant Packets for HopID 0 are sent on Lane 0 after the Link becomes Active. Credit Grant Packets are neither required nor prohibited on Lane 1.

Benefits as a result of the changes:

Allows for less traffic on Lane 1, since Credit Grant Packets are no longer required.

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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None

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 5.3.2.1.3 Credit Grant Packets

From Text:

When a Link first becomes Active, an Ingress Adapter shall send a Credit Grant Packet with a Credit Grant Record for HopID 0.

To Text:

When a Link first becomes Active, an Ingress Adapter that is a Lane 0 Adapter shall send a Credit Grant Packet with a Credit Grant Record for HopID 0.