

USB4 1.0 ENGINEERING CHANGE NOTICE FORM

Title: Change Starting Phase after Sleep
Applied to: USB4 Specification Version 1.0

Brief description of the functional changes:

Changes the Phase on which Link Initialization starts after Sleep

Benefits as a result of the changes:

Faster Link Initialization with legacy devices
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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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Need to start link initialization from Phase 2 instead of Phase 4

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 4.2.1.1.2, Page 135

From Text:

A Lane Adapter that enters this state due to the Router entering Sleep state performs Lane Initialization after a Wake event. The Lane Adapter shall start Lane Initialization from Phase 5. It is recommended that the Adapter starts Lane Initialization with the last set of TxFFE parameters used prior to entry to sleep state. See Section 4.5 for more information on Router Sleep and Wake.

To Text:

A Lane Adapter that enters this state due to the Router entering Sleep state performs Lane Initialization after a Wake event. The Lane Adapter shall start Lane Initialization from Phase ~~5~~²⁵. It is recommended that the Adapter starts Lane Initialization with the last set of TxFFE parameters used prior to entry to sleep state. See Section 4.5 for more information on Router Sleep and Wake.