USB4 1.0 ENGINEERING CHANGE NOTICE FORM

Title: Wake on USB4 Depends on Enable Wake On USB4 Wake
Applied to: USB4 Specification Version 1.0

Brief description of the functional changes:
USB4 Wake event should only occur if USB4 Wake is enabled (i.e. Enable Wake on USB4 Wake bit is 1b).

Benefits as a result of the changes:
Describes the expected behavior

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:
Gate wake when not enabled

An analysis of the software implications:
None

An analysis of the compliance testing implications:
None

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Actual Change

(a). Section 4.5.3, Table 4-43, Page 186

From Text:

Wake on USB4	A Router shall issue a Wake on USB4 event if the *USB4 Port is Inter-Domain* bit is set to 0b, the *USB4 Port is Configured* bit is set to 1b, and the Router detects at least one transition of SBRX to logical low for tWake time after a Sleep Event occurs.

To Text:

Wake on USB4	A Router shall issue a Wake on USB4 event if the *USB4 Port is Inter-Domain* bit is set to 0b, the *USB4 Port is Configured* bit is set to 1b, the *Enable Wake on USB4 Wake* is set to 1b, and the Router detects at least one transition of SBRX to logical low for tWake time after a Sleep Event occurs.