

# USB4 2.0 ENGINEERING CHANGE NOTICE FORM

**Title: Reset Router Operation Index**  
**Applied to: USB4 Specification Version 2.0**

<b>Brief description of the functional changes:</b>
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Clarify that the Router Operation Index is reset when transition to the Enumerated state.
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<b>Benefits as a result of the changes:</b>
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Greater clarity on Router Operations that has special behavior in relation to the “first time” it is executed:
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| <ul style="list-style-type: none"><li>➤ Get Connectors Information</li><li>➤ Get PCIe Downstream Entry Mapping</li></ul> |
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<b>An assessment of the impact to the existing revision and systems that currently conform to the USB specification:</b>
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None
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<b>An analysis of the hardware implications:</b>
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None
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<b>An analysis of the software implications:</b>
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None
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<b>An analysis of the compliance testing implications:</b>
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None
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## Actual Change

### (a). 8.3.1.3.1 Get PCIe Downstream Entry Mapping (Conditional)

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The first time this Operation is executed after transition to the Enumerated state, a Router shall respond with the entry for Entry Index = 0h. On each subsequent execution of the Operation, the Router shall respond with the next entry (*Entry Index* = 01h, *Entry Index* = 02h, etc. ). After the last entry is retrieved, the Router shall restart at the first entry (*Entry Index* = 0h) the next time the Operation is executed.

### (b). 8.3.1.3.6 Get Connectors Information (Conditional)

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