

# USB4 1.0 ENGINEERING CHANGE NOTICE FORM

**Title:** tReassemble timeout Start and End

**Applied to:** Applied to: USB4 Specification Version 1.0

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| <b>Brief description of the functional changes:</b>  |
| tReassemble timer shall be started first byte of Start DP Segment to the last byte of End DP Segment or last byte of Start DP Segment if DP length is less than 252 bytes. |

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| <b>Benefits as a result of the changes:</b>   |
| The definition of “tReassemble” is defined differently in two places. This affects simulation verification compliance tests. Make the definition consistent in both the places. Keep the definition in section 9.1.1.8. |
| Current Specification”  |
| Section 9.1.1.8:  |
| A Tunneled Packet of type End DP Segment is not received within tReassemble from the reception of the Tunneled Packet of type Start DP Segment  |
| Section 9.1.3:  |
| Time between Tunneled Packets which is used to determine loss of a USB3 Data Packet segment.  |

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| <b>An assessment of the impact to the existing revision and systems that currently conform to the USB specification:</b> |
| No Impact  |

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| <b>An analysis of the hardware implications:</b>                  |
| No HW interop issue expected even if devices implement either way |

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| <b>An analysis of the software implications:</b> |
| No Impact  |

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| <b>An analysis of the compliance testing implications:</b> |
| No Impact  |

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## Actual Change

### (a). Reference

#### From Text:

**Table 9.4 USB3 Adapter Timing Parameters**

| Parameter   | Description  | Min | Max | Units |
|-------------|--|-----|-----|-------|
| tReassemble | Time between Tunneled Packets which is used to determine loss of a USB3 Data Packet segment. | 100 |     | μs    |

#### To Text:

**Table 9.4 USB3 Adapter Timing Parameters**

| Parameter   | Description  | Min | Max | Units |
|-------------|--|-----|-----|-------|
| tReassemble | Time used to determine loss of a USB3 Data Packet segment. Measured from the beginning of Start DP segment to the end of End DP segment. | 100 |     | μs    |