# USB4 2.0 ENGINEERING CHANGE NOTICE FORM

## Title: DPCD 0200Fh Handle
## Applied to: USB4 Specification Version 2.0

| **Brief description of the functional changes:** |
|---|
| As defined by the DP Spec, DPCD 0200Fh should be treated the same as 00205h. |

| **Benefits as a result of the changes:** |
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| Adds missing information to the specification. |

| **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:** |
|---|
| None |

| **An analysis of the software implications:** |
|---|
| None |

| **An analysis of the compliance testing implications:** |
|---|
| None |

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## Actual Change

## (a). Table 10-10. DPCD Internal Addresses

**Table 10-10. DPCD Internal Addresses**

| Functionality | Address | Name |
|---|---|---|
| Link Training Control | 00100h | LINK_BW_SET |
| | 00101h | LANE_COUNT_SET |
| | 00102h[1] | TRAINING_PATTERN_SET |
| | 00103-6h[1] | TRAINING_LANEx_SET |
| Link Status[1] | 00202h | LANE0_1_STATUS |
| | 00203h | LANE2_3_STATUS |
| | 00204h | LANE_ALIGN_STATUS_UPDATED |
| | 00205h[2] | SINK_STATUS |
| | 00206h | ADJUST_REQUEST_LANE0_1 |
| | 00207h | ADJUST_REQUEST_LANE2_3 |
| | 0200Ch | LANE0_1_STATUS_ESI |
| | 0200Dh | LANE2_3_STATUS_ESI |
| | 0200Eh | LANE_ALIGN_STATUS_UPDATED_ESI |
| | 0200Fh[2] | SINK_STATUS_ESI |
| Link Quality Control | 0010Bh | LINK_QUAL_LANE0_SET |
| | 0010Ch | LINK_QUAL_LANE1_SET |
| | 0010Dh | LINK_QUAL_LANE2_SET |
| | 0010Eh | LINK_QUAL_LANE3_SET |
| | 0010Fh | LINK_SQUARE_PATTERN_num_+_1 |
| DP Tunneling over USB4 | E0000h – E00FFh | DP Tunneling over USB4 field DPCDs |

Notes:

1. Link Status DPCD registers, TRAINING_PATTERN_SET, and TRAINING_LANEx_SET are Internal only during Link Training phase. Link Training phase starts when DPTX writes TRAINING_PATTERN_SELECT to a non-zero value and ends when it writes zero to TRAINING_PATTERN_SELECT.
2. When a DPTX reads addresses 00205h & 0200Fh during link training, a DP IN Adapter shall respond with value of 0h.