

USB Type-C ENGINEERING CHANGE NOTICE

Title: Timing for USB BC 1.2 Rp

Applied to: USB Type-C Specification Release 1.2, March 25, 2016

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| Brief description of the functional changes proposed: |
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| The specification requires sources supporting BC1.2 to present 1.5A or 3.0A Rp, this clarifies from which point during the startup process this requirement applies. |
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| Benefits as a result of the proposed changes: |
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| Make it clear when the 1.5A or 3.0A Rp shall be presented. |
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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. |
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| An analysis of the hardware implications: |
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| None |
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| An analysis of the software implications: |
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| N/A |
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| An analysis of the compliance testing implications: |
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| This will make it clear when the compliance tester should check the Rp value. |
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Actual Change Requested

(a). Section 4.6.2.2 USB Battery Charging 1.2

From Text:

USB Type-C based BC 1.2 chargers that are capable of supplying at least 1.5A shall advertise USB Type-C Current at least at the 1.5A level, otherwise the charger shall advertise USB Type-C Current at the Default USB Power level. A USB Type-C based BC 1.2 charger that also supports USB Type-C Current at 3.0 A may advertise USB Type-C Current at 3.0 A.

To Text:

A USB Type-C port that implements BC 1.2 that is capable of supplying at least 1.5A shall advertise USB Type-C Current at least at the 1.5A level within tVbusOn of entering the Attached.SRC state, otherwise the port shall advertise USB Type-C Current at the Default USB Power level. A USB Type-C port that implements BC 1.2 that also supports USB Type-C Current at 3.0 A may advertise USB Type-C Current at 3.0 A.