

USB PD CTS ENGINEERING CHANGE NOTIFICATION FORM

NOTICE: Any Company or Companies submitting a USB Power Delivery ECR proposal must be one of the following: a Promoter or Contributor of the USB 3.0 and 2.0 Specifications who have completed the USB Power Delivery addendum. If a group of Companies is submitting an ECR proposal, each company must be either a Promoter or Contributor of the USB 3.0 and 2.0 Specifications who have completed the USB Power Delivery addendum.

SPECIFICATION REVISIONS AND ADDENDA: At any point in time, there shall only be one current version of the USB PD CTS, termed the production version. At the same time, there may also be proposed revisions to the specification's design which are not yet approved and shall be held confidential as deemed necessary by the USB 3.0 and USB 2.0 Promoters and within the Group of Working Committee(s).

PROCEDURES FOR SUBMITTING PROPOSALS: Both members of the USB Implementers Forum as a whole and members of the USB 3.0 and USB 2.0 Promoters may submit requests to revise the USB PD CTS Specification. Such a request may be rejected or may result in a USB PD Engineering Change Notice (ECN), which is the official way USB specifications may be changed.

FORMAT OF PROPOSAL: The originator of a request to alter the USB PD CTS Specification may do so by posting this to the USB Power Delivery Compliance working group for review. Once the proposal has been reviewed by the working group it will be passed to the USB 3.0 and 2.0 Promoters for approval to publish.

RESUBMISSION AND APPEAL: The originator of a request that was not approved can redraft the original request. Rewritten proposal will be treated as a new proposal and will be evaluated using the procedures described above. The originator of a request that was not approved can also submit an appeal to the USB 3.0 and 2.0 Promoters. The appeal must be made in writing and addressed to the Secretary of the USB Implementers Forum.

ABOUT THE ENGINEERING CHANGE REQUEST FORM:

The Purpose of this Engineering Change Request Form is to expedite the review process of the proposal by providing explanations, background information, and examples of the proposed changes at a high level. This form serves as an executive summary to the actual proposal.

STEPS ON HOW TO SUBMIT A USB PD ENGINEERING CHANGE REQUEST:

- 1) Please fill out the Engineering Change Request Form on the following pages completely:
 - a) Detail the names and contact details for each of the ECR contributors
 - b) Update the ECR Title
 - c) Give a minimum of 2-3 sentences for each description on the form outlining the background to the ECR
- 2) For each section/table/figure to be updated:
 - a) Detail the section number, starting page and figure/table number to be updated as appropriate.
 - b) Detail existing text under "From Text"
 - c) Detail changed text under "To Text"
- 3) Save the file as "USB PD CTS 1.0 R 1" followed by the ECR Title as per step 1)b)
- 4) Post the ECR in the USB PD CTS Documents section under "ECR | New ECRs".
 - a) This ECR will then be reviewed by the Power Delivery Compliance Working Group.
 - b) Revisions to the ECR originating from the review should be submitted as document revision of the original ECR using "Add new document".

USB PD CTS ENGINEERING CHANGE NOTIFICATION FORM

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Company: Intel Mailstop: _____

Address: _____

City: _____ State/Province: _____

Country: _____ Zip/Postal Code: _____

Phone: _____ FAX: _____

Name: _____ Email: _____

Company: _____ Mailstop: _____

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City: _____ State/Province: _____

Country: _____ Zip/Postal Code: _____

Phone: _____ FAX: _____

Name: _____ Email: _____

Company: _____ Mailstop: _____

Address: _____

City: _____ State/Province: _____

Country: _____ Zip/Postal Code: _____

Phone: _____ FAX: _____

Name: _____ Email: _____

Company: _____ Mailstop: _____

Address: _____

City: _____ State/Province: _____

Country: _____ Zip/Postal Code: _____

Phone: _____ FAX: _____

USB PD CTS ENGINEERING CHANGE NOTIFICATION FORM

Title: TEST.PD.PROT.SRC3.5

Applied to: USB PD CTS Specification Q3 2026

Brief description of the functional changes proposed:
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Fixing CTS: for the Battery related Alerts the Get_Battery_Status should be used instead of Get_Status. However, the state diagram in the base specification re-affirms that Get_Status is the correct message, but with tSenderResponse time. Further clarification is needed in the base specification.

Benefits as a result of the proposed changes:
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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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An analysis of the hardware implications:
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An analysis of the software implications:
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An analysis of the compliance testing implications:
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An analysis of the Vendor Info File (VIF) implications:
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USB PD CTS ENGINEERING CHANGE NOTIFICATION FORM

Actual Change Requested

(a). Section TEST.PD.PROT.SRC3.5, Page 152

From Text:

2. The Tester sends an *Alert* Message to the UUT
 - a. Type of *Alert* field = Battery Status Change Event (Bit 1)
 - b. Fixed Batteries = Battery 0 (B20)
3. The test passes if one of the following conditions happens[TEST.PD.PROT.SRC3.5#2]:
 - a. A *Not_Supported* Message is received as a response to the last *Alert* Message and the UUT as a Source has no source PPS APDO in VIF.
 - b. A *Get_Status* Message is not received within **Error! Reference source not found.** after the last *Alert* Message was sent.

To Text:

2. The Tester sends an *Alert* Message to the UUT
 - a. Type of *Alert* field = Battery Status Change Event (Bit 1)
 - b. Fixed Batteries = Battery 0 (B20)
3. The test passes if one of the following conditions happens[TEST.PD.PROT.SRC3.5#2]:
 - c. A *Not_Supported* Message is received as a response to the last *Alert* Message and the UUT as a Source has no source PPS APDO in VIF.
 - d. A *Get_Status* Message is not received within **tSenderResponse** after the last *Alert* Message was sent.

Otherwise, the test fails and it stops here.