



SLOVENSKI STANDARD

oSIST prEN IEC 62680-1-2:2025

01-julij-2025

**Vmesniki univerzalnega serijskega vodila za prenos podatkov in napajanje - 1-2.
del: Skupne komponente - Specifikacija za zagotavljanje napajanja prek USB**

Universal serial bus interfaces for data and power - Part 1-2: Common components -
USB power delivery specification

Interfaces de bus universel en série pour les données et l'alimentation électrique - Partie
1-2: Composants communs - Spécification de l'alimentation électrique par port USB

Ta slovenski standard je istoveten z: prEN IEC 62680-1-2:2025

[oSIST prEN IEC 62680-1-2:2025](https://standards.iteh.ai/catalog/standards/sist/35d7a993-dfdf-4a2c-9229-da9f559ed353/osist-pren-iec-62680-1-2-2025)

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ICS:

35.200	Vmesniška in povezovalna oprema	Interface and interconnection equipment
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100/4327/CDV

COMMITTEE DRAFT FOR VOTE (CDV)

PROJECT NUMBER: IEC 62680-1-2 ED8	
DATE OF CIRCULATION: 2025-06-06	CLOSING DATE FOR VOTING: 2025-08-29
SUPERSEDES DOCUMENTS: 100/4319/RR	

IEC TA 18 : MULTIMEDIA HOME SYSTEMS AND APPLICATIONS FOR END-USER NETWORKS	
SECRETARIAT: Japan	SECRETARY: Mr Keisuke Koide
OF INTEREST TO THE FOLLOWING COMMITTEES:	HORIZONTAL FUNCTION(S):
ASPECTS CONCERNED:	
<input type="checkbox"/> SUBMITTED FOR CENELEC PARALLEL VOTING	<input checked="" type="checkbox"/> NOT SUBMITTED FOR CENELEC PARALLEL VOTING

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TITLE:

Universal serial bus interfaces for data and power - Part 1-2: Common components - USB Power Delivery specification

PROPOSED STABILITY DATE: 2030

NOTE FROM TC/SC OFFICERS:

I have attached the specification provided by USB-IF. I would like you to convert this document into IEC format and make it into a CDV.

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Universal Serial Bus

Power Delivery Specification

Revision: **3.2**

Version: **1.1**

Release Date: **2024-10**

iTeh Standards
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Document Preview

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Revision History

Revision	Version	Comments	Issue Date
1.0	1.0	Initial release Revision 1.0	5 July, 2012
1.0	1.1	Including errata through 31-October-2012	31 October 2012
1.0	1.2	Including errata through 26-June-2013	26 June, 2013
1.0	1.3	Including errata through 11-March-2014	11 March 2014
2.0	1.0	Initial release Revision 2.0	11 August 2014
2.0	1.1	Including errata through 7-May 2015	7 May 2015
2.0	1.2	Including errata through 25-March-2016	25 March 2016
2.0	1.3	Including errata through 11-January-2017	11 January 2017
3.0	1.0	Initial release Revision 3.0	11 December 2015
3.0	1.0a	Including errata through 25-March-2016	25 March 2016
3.0	1.1	Including errata through 12-January-2017	12 January 2017
3.0	1.2	Including errata through 21-June-2018	21 June 2018
3.0	2.0	Including errata through 29-August-2019	29 August 2019
3.1	1.0	Including errata through May 2021	May 2021
3.1	1.1	Including errata through July 2021 This version incorporates the following ECNs: <ul style="list-style-type: none"> • EPR Clarifications • Define AMS starting point 	July 2021
3.1	1.2	Including errata through October 2021 This version incorporates the following ECNs: <ul style="list-style-type: none"> • Clarify use of Retries • Battery Capabilities • FRS timing problem • PPS power rule clarifications • Peak current support for EPR AVS APDO 	October 2021
3.1	1.3	This version incorporates the following ECNs: <ul style="list-style-type: none"> • Robust EPR Source Operation • EPR Source Caps Editorial • SRC PPS behavior in low current request • Enter USB 	January 2022
3.1	1.4	Editorial changes This version incorporates the following ECNs: <ul style="list-style-type: none"> • Capabilities Mismatch Update • Chunking Timing Issue • OT Mitigation 	April 2022

Revision	Version	Comments	Issue Date
3.1	1.5	Editorial changes This version incorporates the following ECNs: <ul style="list-style-type: none"> • Timer Description Corrections • Change Source_Info Requirements • AMS Update 	July 2022
3.1	1.6	Editorial changes This version incorporates the following ECNs: <ul style="list-style-type: none"> • USB4® V2 Updates • Data Reset Issues • Increase tSenderResponse • PPS Power Limit Bit Update • Support for Asymmetric Mode • Timer Description Corrections Revisited 	October 2022
3.1	1.7	Editorial Changes This version incorporates the following ECNs: <ul style="list-style-type: none"> • Data Reset Invalid Reject Handling • Source request • Source Transition • EPR Entry 	January 2023
3.1	1.8	Editorial Changes This version incorporates the following ECNs: <ul style="list-style-type: none"> • Slew rate exemption for Power Role Swap. • EUDO cable speed clarification. • Update to PPS Requirements. • Deprecate Interruptibility. • Section 7.3 restructure and update. 	April 2023
3.1	1.9	Editorial Changes	July 2023