ADOPTION PROPOSAL FORM

**STA/SDV/OP/04/F1**

**KENYA BUREAU OF STANDARDS**

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| **Document Type:** | **Adoption proposal** | |
| **Dates:** | Circulation date | Closing date |
| 2021-10-12 | 2021-11-11 |
| **TC Secretary** | **This form shall be filled, signed and returned to Kenya Bureau of Standards for the attention of Daniel Kitui (kituid@kebs.org)** | |

The Kenya Bureau of Standards intends to adopt the international standards as detailed here below:

1. **Number:** IEC 62680-1-1:2015

**Title:** Universal serial bus interfaces for data and power - Part 1-1: Common components - USB Battery Charging Specification, Revision 1.2

**Scope:** The Battery Charging Working Group is chartered with creating specifications that define limits as well as detection, control and reporting mechanisms to permit devices to draw current in excess of the USB 2.0 specification for charging and/or powering up from dedicated chargers, hosts, hubs and charging downstream ports. These mechanisms are backward compatible with USB 2.0 compliant hosts and peripherals.

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1. **Number:** IEC 62680-1-2:2021

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

**Scope:** This specification is intended as an extension to the existing [USB 2.0], [USB 3.2], [USB Type-C 2.0] and [USBBC 1.2] specifications. It addresses only the elements required to implement USB Power Delivery. It is targeted at power supply vendors, manufacturers of [USB 2.0], [USB 3.2], [USB Type-C 2.0] and [USBBC 1.2] Platforms, Devices and cable assemblies.

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1. **Number:** IEC 62680-1-3:2021

**Title:** Universal serial bus interfaces for data and power - Part 1-3: Common components - USB Type-C® Cable and Connector Specification

**Scope:** IEC 62680-1-3:2021 defines the USB Type-C™ receptacles, plug and cables.  
The USB Type-C Cable and Connector Specification defines a new receptacle, plug, cable and detection mechanisms that are compatible with existing USB interface electrical and functional specifications. This specification covers the following aspects that are needed to produce and use this new USB cable/connector solution in newer platforms and devices, and that interoperate with existing platforms and devices:

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1. **Number:** IEC 62680-1-4:2018

**Title:** Universal Serial Bus interfaces for data and power - Part 1-4: Common components - USB Type-C™ Authentication Specification

**Scope:** This specification defines the architecture and methodology for unilateral Product Authentication. It is intended to be fully compatible with and extend existing PD and USB infrastructure. Information is provided to allow for Policy enforcement, but individual Policy decisions are not specified. The Authentication of USB Type-C products that support Alternate Modes is allowed. However, the methods to do so are outside the scope of this specification.

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1. **Number:** IEC 62680-2-1:2015

**Title:** Universal serial bus interfaces for data and power - Part 2-1: Universal Serial Bus Specification, Revision 2.0

**Scope:** The specification is primarily targeted to peripheral developers and system OEMs, but provides valuable information for platform operating system/ BIOS/ device driver, adapter IHVs/ISVs, and platform/adapter controller vendors. This specification can be used for developing new products and associated software.

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1. **Number:** IEC 62680-2-2:2015

**Title:** Universal serial bus interfaces for data and power - Part 2-2: Micro-USB Cables and Connectors Specification, Revision 1.01

**Scope:** USB has become a popular interface for exchanging data between cell phone and portable devices. Many of these devices have become so small it is impossible to use standard USB components as defined in the USB 2.0 specification. In addition the durability requirements of the Cell Phone and Portable Devices market exceed the specifications of the current interconnects. Since Cell Phones and other small Portable Devices are the largest market potential for USB, this specification is addressing this very large market while meeting all the requirements for electrical performance within the USB 2.0 specification.

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1. **Number:** IEC 62680-3-1:2017

**Title:** Universal Serial Bus interfaces for data and power - Part 3-1: Universal Serial Bus 3.1 Specification

**Scope:** The specification is primarily targeted at peripheral developers and platform/adapter developers, but provides valuable information for platform operating system/BIOS/device driver, adapter IHVs/ISVs, and system OEMs. This specification can be used for developing new products and associated software. Product developers using this specification are expected to know and understand the USB 2.0 Specification. Specifically, USB 3.1 devices must implement device framework commands and descriptors as defined in the USB 2.0 Specification. Devices operating at the new 10 Gbps (Gen 2) speed must implement the SuperSpeedPlus enhancements defined in this version of the specification.

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1. **Number:** IEC 60884-3-1:2021

**Title:** Plugs and socket-outlets for household and similar purposes - Part 3-1: Particular requirements for socket-outlets incorporating USB power supply

**Scope:** This part of IEC 60884 applies to fixed or portable socket-outlets for AC only, with or without earthing contact, with a rated voltage greater than 50 V but not exceeding 440 V and a rated current not exceeding 32 A, intended for household and similar purposes, either indoors or outdoors, incorporating a USB power supply. This document defines the safety and EMC requirements for socket-outlets incorporating a USB power supply. Specifications, performance and dimensional requirements of the USB technologies are not covered by this document; these are defined in the relevant part(s) of IEC 62680.

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1. **Number:** IEC 62684:2018

**Title:**  Interoperability specifications of common external power supply (EPS) for use with data-enabled mobile telephones

**Scope:** This document specifies the interoperability of common external power supplies for use with data-enabled mobile telephones. It defines the common charging capability and specifies interface requirements for the external power supply.

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1. **Number:** IEC 63002:2021

**Title:** Interoperability specifications and communication method for external power supplies used with computing and consumer electronics devices

**Scope:** This document defines common charging interoperability guidelines for power sources (external power supplies (EPSs) and other Sources) used with computing and consumer electronics devices that implement IEC 62680-1-3 (USB Type-C Cable and Connector Specification).

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We are therefore seeking views from potential users in respect of the same. The Standards are available at the Kenya Bureau of Standards Information Centre. Please tick and fill your preference of the table below. (If the spaces provided are not enough, please attach a separate sheet of paper).

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| No. | Standard Number | Adoption Accepted | Adoption not Acceptable | Recommendation |
|  | IEC 62680-1-1:2015 |  |  |  |
|  | IEC 62680-1-2:2021 |  |  |  |
|  | IEC 62680-1-3:2021 |  |  |  |
|  | IEC 62680-1-4:2018 |  |  |  |
|  | IEC 62680-2-1:2015 |  |  |  |
|  | IEC 62680-2-2:2015 |  |  |  |
|  | IEC 62680-3-1:2017 |  |  |  |
|  | IEC 60884-3-1:2021 |  |  |  |
|  | IEC 62684:2018 |  |  |  |
|  | IEC 63002:2021 |  |  |  |

Name and Signature (of respondent): ................................................

Position (of respondent): .....................................

On behalf of ......................................................................................... (Name of organization)

Date .........................................................................

**NOTE:** Absence of any reply or comments shall be deemed to be an acceptance of the proposal for adoption and **shall constitute an approval vote**.