ADOPTION PROPOSAL FORM

**CPR183/F15**

**KENYA BUREAU OF STANDARDS**

|  |  |  |
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| **Document Type:** | **Adoption proposal** | |
| **Dates:** | Circulation date | Closing date |
| 2022-04-22 | 2021-05-22 |
| **TC Secretary** | **This form shall be filled, signed and returned to Kenya Bureau of Standards for the attention of Alex S Mboa (amboa@kebs.org)** | |

The Kenya Bureau of Standards intends to adopt the International Standards as detailed here below.

We are therefore seeking views from potential users in respect of the same. The Standards are available at the Kenya Bureau of Standards Information Resource Centre. Please tick and fill your preference of the listed option in the attached table against each of the standards.

Where the option is that the adoption is not acceptable, you MUST give a reason(s) and recommendation(s).

**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**.

1. **Number**: IEC 60076-3:2013+AMD1:2018 CSV to replace KS IEC 60076-3:2013

**Title**: Power transformers - Part 3: Insulation levels, dielectric tests and external clearances in air

**Scope**: Specifies the insulation requirements and the corresponding insulation tests with reference to specific windings and their terminals.

https://webstore.iec.ch/preview/info\_iec60076-3%7Bed3.1%7Db.pdf

1. **Number**: IEC 60076-5:2006

**Title**: Power transformers - Part 5: Ability to withstand short circuit

**Scope**: This part of IEC 60076 identifies the requirements for power transformers to sustain without damage the effects of over-currents originated by external short circuits. It describes the calculation procedures used to demonstrate the thermal ability of a power transformer to withstand such over-currents and both the special test and the theoretical evaluation method used to demonstrate the ability to withstand the relevant dynamic effects.

https://webstore.iec.ch/preview/info\_iec60076-5%7Bed3.0%7Db.pdf

1. **Number**: IEC 60076-13:2006

**Title**: Power transformers - Part 13: Self-protected liquid-filled transformers

**Scope**: This part of IEC 60076 applies to high-voltage/low-voltage self-protected liquid-filled and naturally cooled transformers for rated power 50 kVA to 1 000 kVA for indoor or outdoor use having a:

– primary winding (high-voltage) with highest voltage for equipment up to 24 kV;

– secondary winding (low-voltage) with highest voltage for equipment of 1,1 kV.

https://webstore.iec.ch/preview/info\_iec60076-13%7Bed1.0%7Db.pdf

1. **Number**: IEC 60076-15:2015 to replace IEC 60076-15:2008

**Title**: Power transformers - Part 15: Gas-filled power transformers

**Scope**: This part of IEC 60076 applies to three-phase and single-phase gas-filled power transformers (including auto-transformers).

https://webstore.iec.ch/preview/info\_iec60076-15%7Bed2.0%7Db.pdf

1. **Number**: IEC 62208:2011 to replace IEC 62208:2002

**Title**: Empty enclosures for low-voltage switchgear and controlgear assemblies - General requirements

**Scope**: This standard specifies general definitions, classifications, characteristics and test requirements of empty enclosures to be used as part of switchgear and controlgear assemblies (e.g., in accordance with the IEC 61439 series), the rated voltage of which does not exceed 1 000 V a.c. or 1 500 V d.c., and suitable for general use for either indoor or outdoor applications.

https://webstore.iec.ch/preview/info\_iec62208%7Bed2.0%7Db.pdf

1. **Number**: IEC 62351-4:2018+AMD1:2020 CSV

**Title**: Power systems management and associated information exchange - Data and communications security - Part 4: Profiles including MMS and derivatives

**Scope**: This part of IEC 62351 specifies security requirements both at the transport layer and at the application layer.

https://webstore.iec.ch/preview/info\_iec62351-4%7Bed1.1%7Db.pdf

1. **Number**: IEC 62351-8:2020

**Title**: Power systems management and associated information exchange - Data and communications security - Part 8: Role-based access control for power system management

**Scope**: The scope of this part of IEC 62351 is to facilitate role-based access control (RBAC) for power system management. RBAC assigns human users, automated systems, and software applications (collectively called "subjects" in this document) to specified "roles", and restricts their access to only those resources, which the security policies identify as necessary for their roles.

https://webstore.iec.ch/preview/info\_iec62351-8%7Bed1.0%7Db.pdf

1. **Number**: IEC 60034-1:2022 to replace KS IEC 60034-1:2010

**Title**: Rotating electrical machines - Part 1: Rating and performance

**Scope**: This part of IEC 60034 is applicable to all rotating electrical machines, except those covered by other IEC standards, for example, IEC 60349 except rotating electrical machines for rail and road vehicles, which are covered by the IEC 60349 series of standards.

https://webstore.iec.ch/info\_iec60034-1%7Bed14.0.RLV%7Den.pdf

1. **Number**: IEC 60034-8:2007+AMD1:2014 CSV to replace KS IEC 60034-8:2007

**Title**: Rotating electrical machines - Part 8: Terminal markings and direction of rotation

**Scope**: This part of IEC 60034 applies to a.c. and d.c. machines and specifies

a) rules for the identification of winding connection points;

b) marking of winding terminals;

c) direction of rotation;

d) relationship between terminal markings and direction of rotation;

e) terminal marking of auxiliary devices;

f) connection diagrams of machines for common applications.

https://webstore.iec.ch/info\_iec60034-8%7Bed3.1%7Db.pdf

1. **Number**: IEC 60204-31:2013

**Title**: Safety of machinery - Electrical equipment of machines - Part 31: Particular safety and EMC requirements for sewing machines, units and systems

**Scope**: This part of IEC 60204 applies to the application of electrical and electronic equipment to sewing machines, units and systems, designed specifically for professional use in the sewing industry.

https://webstore.iec.ch/info\_iec60204-31%7Bed4.0%7Db.pdf

1. **Number**: IEC 60204-33:2009

**Title**: Safety of machinery - Electrical equipment of machines - Part 33: Requirements for semiconductor fabrication equipment

**Scope**: This part of IEC 60204 applies to electrical and electronic equipment associated with semiconductor fabrication equipment for the manufacture, measurement, assembly, and test of semiconductors.

https://webstore.iec.ch/info\_iec60204-33%7Bed1.0%7Db.pdf

1. **Number**: IEC 60099-6:2019

**Title**: Surge arresters - Part 6: Surge arresters containing both series and parallel gapped structures - System voltage of 52 kV and less

**Scope**: This part of IEC 60099 applies to non-linear metal-oxide resistor type surge arresters with spark gaps designed to limit voltage surges on AC power circuits with system voltages Us above 1 kV up to and including 52 kV.

<https://webstore.iec.ch/preview/info_iec60099-6%7Bed2.0%7Db.pdf>

1. **Number**: IEC 60099-8:2017

**Title**: Surge arresters - Part 8: Metal-oxide surge arresters with external series gap (EGLA) for overhead transmission and distribution lines of a.c. systems above 1 kV

**Scope**: This part of IEC 60099 covers metal-oxide surge arresters with external series gap (externally gapped line arresters (EGLA)) that are applied on overhead transmission and distribution lines, only to protect insulator assemblies from lightning-caused flashovers.

https://webstore.iec.ch/preview/info\_iec60099-6%7Bed2.0%7Db.pdf

1. **Number**: IEC 60269-1:2006+AMD1:2009+AMD2:2014 CSV

**Title**: Low-voltage fuses - Part 1: General requirement

**Scope**: This part of IEC 60269 is applicable to fuses incorporating enclosed current-limiting fuse-links with rated breaking capacities of not less than 6 kA, intended for protecting power-frequency a.c. circuits of nominal voltages not exceeding 1 000 V or d.c. circuits of nominal voltages not exceeding 1 500 V.

https://webstore.iec.ch/preview/info\_iec60269-1%7Bed4.2%7Db.pdf

1. **Number**: IEC 60269-2:2013+AMD1:2016 CSV to replace KS IEC 60269-2:2010

**Title**: Low-voltage fuses - Part 2: Supplementary requirements for fuses for use by authorized persons (fuses mainly for industrial application) - Examples of standardized systems of fuses A to K

**Scope**: This part of IEC 60269 provides supplementary requirements for fuses for use by authorized persons and are generally designed to be used in installations where the fuse-links are accessible to, and may be replaced by, authorized persons only.

https://webstore.iec.ch/preview/info\_iec60269-2%7Bed5.1%7Db.pdf

1. **Number**: IEC 60269-3:2010+AMD1:2013+AMD2:2019 CSV to replace KS IEC 60269-3:2010

**Title**: Low-voltage fuses - Part 3: Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household or similar applications) - Examples of standardized systems of fuses A to F

**Scope**: This part of IEC 60269 provides supplementary requirements for fuses for use by unskilled persons.

<https://webstore.iec.ch/preview/info_iec60269-3%7Bed4.2%7Db.pdf>

1. **Number**: IEC 60269-4:2009+AMD1:2012+AMD2:2016 CSV to replace KS IEC 60269-4:2009

**Title**: Low-voltage fuses - Part 4: Supplementary requirements for fuse-links for the protection of semiconductor devices

**Scope**: These supplementary requirements apply to fuse-links for application in equipment containing semiconductor devices for circuits of nominal voltages up to 1 000 V a.c. or 1 500 V d.c. and also, in so far as they are applicable, for circuits of higher nominal voltages.

https://webstore.iec.ch/preview/info\_iec60269-4%7Bed5.2%7Db.pdf

1. **Number**: IEC 62056-3-1:2021 to replace KS IEC 62056-3-1:2013

**Title**: Electricity metering data exchange - The DLMS/COSEM suite - Part 3-1: Use of local area networks on twisted pair with carrier signalling

**Scope**: Specifies This part of IEC 62056 describes three profiles for two sets of profiles: the first set of profiles allows a bidirectional communication between a client and a server. This set of profiles is made of three profiles allowing local bus data exchange with stations either energized or not. For non-energized stations, the bus supplies energy for data exchange.

<https://webstore.iec.ch/preview/info_iec62056-3-1%7Bed2.0.RLV%7Den.pdf>

1. **Number**: IEC 62056-6-1:2017 to replace KS IEC 62056-6-1:2015

**Title**: Electricity metering data exchange - The DLMS/COSEM suite - Part 6-1: Object Identification System (OBIS)

**Scope**: Specifies the overall structure of the OBject Identification System (OBIS) and the mapping of all commonly used data items in metering equipment to their identification codes.

https://webstore.iec.ch/preview/info\_iec62056-6-1%7Bed3.0%7Db.pdf

1. **Number**: IEC 61643-12:2020

**Title**: Low-voltage surge protective devices - Part 12: Surge protective devices connected to low-voltage power systems - Selection and application principles

**Scope**: Describes the principles for the selection, operation, location and coordination of SPDs to be connected to 50/60 Hz AC power circuits, and equipment rated up to 1 000 V RMS.

https://webstore.iec.ch/preview/info\_iec61643-12%7Bed3.0%7Db.pdf

1. **Number**: IEC 61643-21:2000+AMD1:2008+AMD2:2012 CSV to replace KS IEC 61643-21:2000

**Title**: Low voltage surge protective devices - Part 21: Surge protective devices connected to telecommunications and signalling networks - Performance requirements and testing methods

**Scope**: Applicable to devices for surge protection of telecommunications and signalling networks against indirect and direct effects of lightning or other transient over-voltages.

https://webstore.iec.ch/preview/info\_iec61643-12%7Bed3.0%7Db.pdf

1. **Number**: IEC 61643-31:2018

**Title**: Low-voltage surge protective devices - Part 31: Requirements and test methods for SPDs for photovoltaic installations

**Scope**: This part of IEC 61643 is applicable to Surge Protective Devices (SPDs), intended for surge protection against indirect and direct effects of lightning or other transient over-voltages. These devices are designed to be connected to the DC side of photovoltaic installations rated up to 1 500 V DC.

https://webstore.iec.ch/preview/info\_iec61643-31%7Bed1.0%7Db.pdf

1. **Number**: IEC 61643-331:2020

**Title**: Components for low-voltage surge protection - Part 331: Performance requirements and test methods for metal oxide varistors (MOV)

**Scope**: This part of IEC 61643 is a test specification for metal oxide varistors (MOV), which are used for applications up to 1 000 V AC or 1 500 V DC in power lines, or telecommunication, or signalling circuits.

https://webstore.iec.ch/preview/info\_iec61643-331%7Bed3.0%7Db.pdf

1. **Number**: IEC 61558-2-6:2021 to replace KS IEC 61558-2-6:1999

**Title**: Safety of transformers, reactors, power supply units and combinations thereof - Part 2-6: Particular requirements and tests for safety isolating transformers and power supply units incorporating safety isolating transformers for general applications

**Scope**: This part of IEC 61558 deals with the safety of safety isolating transformers for general applications and power supply units incorporating safety isolating transformers for general applications. Transformers incorporating electronic circuits are also covered by this document.

<https://webstore.iec.ch/preview/info_iec61558-2-6%7Bed3.0%7Den.pdf>

1. **Number**: IEC 61558-2-9:2010

**Title**: Safety of transformers, reactors, power supply units and combinations thereof - Part 2-9: Particular requirements and tests for transformers and power supply units for class III handlamps for tungsten filament lamps

**Scope**: This part of IEC 61558 deals with the safety of transformers for class III handlamps for tungsten filament lamps and power supply units incorporating transformers for class III handlamps for tungsten filament lamps. Transformers incorporating electronic circuits are also covered by this standard.

https://webstore.iec.ch/preview/info\_iec61558-2-9%7Bed2.0%7Db.pdf

1. **Number**: IEC 61558-2-12:2012

**Title**: Safety of transformers, reactors, power supply units and combinations thereof - Part 2-12: Particular requirements and tests for constant voltage transformers and power supply units for constant voltage

**Scope**: This part of IEC 61558 with the safety of constant voltage transformers for general applications and power supply units for constant voltage for general applications. Constant voltage transformers incorporating electronic circuits are also covered by this standard.

<https://webstore.iec.ch/preview/info_iec61558-2-12%7Bed2.0%7Db.pdf>

1. **Number**: IEC 61558-2-16:2021 to replace KS IEC 61558-2-16:2009 + Am1

**Title**: Safety of transformers, reactors, power supply units and combinations thereof - Part 2-16: Particular requirements and tests for switch mode power supply units and transformers for switch mode power supply units for general applications

**Scope**: This part of IEC 61558 deals with the safety of switch mode power supply units and transformers for switch mode power supply units.

https://webstore.iec.ch/preview/info\_iec61558-2-16%7Bed2.0%7Db.pdf

1. **Number**: IEC 61558-2-20:2010 to replace IEC 61558-2-20:2000

**Title**: Safety of transformers, reactors, power supply units and combinations thereof - Part 2-20: Particular requirements and tests for small reactors

**Scope**: This part of IEC 61558 deals with the safety of small reactors for general applications.

https://webstore.iec.ch/preview/info\_iec61558-2-20%7Bed2.0%7Db.pdf

1. **Number**: IEC 61869-2:2012 to replace KS IEC 60044-1:2003 and KS IEC 44-6:1992

**Title**: Instrument transformers - Part 2: Additional requirements for current transformers

**Scope**: This part of IEC 61869 is applicable to newly manufactured inductive current transformers for use with electrical measuring instruments and/or electrical protective devices having rated frequencies from 15 Hz to 100 Hz.

<https://webstore.iec.ch/preview/info_iec61869-2%7Bed1.0%7Db.pdf>

1. **Number**: IEC 61869-3:2011

**Title**: Instrument transformers - Part 3: Additional requirements for inductive voltage transformers

**Scope**: This part of IEC 61869 to new inductive voltage transformers for use with electrical measuring instruments and electrical protective devices at frequencies from 15 Hz to 100 Hz.

https://webstore.iec.ch/preview/info\_iec61869-3%7Bed1.0%7Db.pdf

1. **Number**: IEC 61869-4:2013 to replace KS IEC 60044-3:2002

**Title**: Instrument transformers - Part 4: Additional requirements for combined transformers

**Scope**: This part of IEC 61869 to newly-manufactured combined transformers for use with electrical measuring instruments and electrical protective devices at frequencies from 15 Hz to 100 Hz.

<https://webstore.iec.ch/preview/info_iec61869-5%7Bed1.0%7Db.pdf>

1. **Number**: IEC 61869-5:2011 to replace KS IEC 60044-5:2004

**Title**: Instrument transformers - Part 5: Additional requirements for capacitor voltage transformers

**Scope**: This part of IEC 61869 to new single-phase capacitor voltage transformers connected between line and ground for system voltages Um ≥ 72,5 kV at power frequencies from 15 Hz to 100 Hz. They are intended to supply a low voltage for measurement, control and protective functions.

<https://webstore.iec.ch/preview/info_iec61869-5%7Bed1.0%7Db.pdf>

1. **Number**: IEC 60715:2017 to replace KS IEC 60715:1981

**Title**: Dimensions of low-voltage switchgear and controlgear - Standardized mounting on rails for mechanical support of switchgear, controlgear and accessories

**Scope**: This document specifies dimensional and functional requirements for the compatible mounting of switchgear, controlgear and accessories on some types of rails.

<https://webstore.iec.ch/preview/info_iec60715%7Bed2.0%7Db.pdf>

1. **Number**: IEC 60127-1:2006+AMD1:2011+AMD2:2015 CSV to replace KS IEC 60127-1:2006

**Title**: Miniature fuses - Part 1: Definitions for miniature fuses and general requirements for miniature fuse-links

**Scope**: This part of IEC 60127 covers the general requirements and tests applicable to all types of miniature fuse-links (e.g. cartridge fuse-links, sub-miniature fuse-links and universal modular fuse-links) for the protection of electric appliances, electronic equipment and component parts thereof normally intended to be used indoors.

<https://webstore.iec.ch/preview/info_iec60127-1%7Bed2.2%7Den.pdf>

1. **Number**: IEC 60127-2:2014+AMD1:2020 CSV to replace KS IEC 60127-2:2014

**Title**: Miniature fuses - Part 2: Definitions for Cartridge fuse-links

**Scope**: This part of IEC 60127 relates to special requirements applicable to cartridge fuse-links for miniature fuses with dimensions measuring 5 mm × 20 mm and 6,3 mm × 32 mm for the protection of electric appliances, electronic equipment and component parts thereof, normally intended for use indoors.

https://webstore.iec.ch/preview/info\_iec60127-2%7Bed3.1%7Db.pdf

1. **Number**: IEC 60127-3:2015+AMD1:2020 CSV to replace KS IEC 60127-3:2015

**Title**: Miniature fuses - Part 3: Sub-miniature fuse-links

**Scope**: This part of IEC 60127 is applicable to sub-miniature fuse-links adapted to printed circuits and used for the protection of electric appliances, electronic equipment and component parts thereof, normally intended to be used indoors.

<https://webstore.iec.ch/preview/info_iec60127-3%7Bed3.1%7Db.pdf>

1. **Number**: IEC 62351-4:2018+AMD1:2020 CSV to replace KS IEC/TS 62351-4:2007

**Title**: Power systems management and associated information exchange - Data and communications security - Part 4: Profiles including MMS and derivatives

**Scope**: IEC 62351-4:2018+A1:2020 specifies security requirements both at the transport layer and at the application layer.

<https://webstore.iec.ch/preview/info_iec62351-4%7Bed1.1%7Db.pdf>

1. **Number**: IEC 62351-6:2020 to replace KS IEC/TS 62351-6:2007

**Title**: Power systems management and associated information exchange - Data and communications security - Part 6: Security for IEC 61850

**Scope**: This part of IEC 62351 specifies messages, procedures, and algorithms for securing the operation of all protocols based on or derived from the IEC 61850 series.

https://webstore.iec.ch/preview/info\_iec62351-6%7Bed1.0%7Db.pdf

1. **Number**: IEC 62351-7:2017 to replace KS IEC/TS 62351-7:2010

**Title**: Power systems management and associated information exchange - Data and communications security - Part 7: Network and System Management (NSM) data object models

**Scope**: This part of IEC 62351 defines network and system management (NSM) data object models that are specific to power system operations.

https://webstore.iec.ch/preview/info\_iec62351-6%7Bed1.0%7Db.pdf

1. **Number**: IEC 62351-8:2020 to replace KS IEC/TS 62351-8:2011

**Title**: Power systems management and associated information exchange - Data and communications security - Part 8: Role-based access control for power system management.

**Scope**: This The scope of this part of IEC 62351 is to facilitate role-based access control (RBAC) for power system management. RBAC assigns human users, automated systems, and software applications (collectively called "subjects" in this document) to specified "roles", and restricts their access to only those resources, which the security policies identify as necessary for their roles.

https://webstore.iec.ch/preview/info\_iec62351-8%7Bed1.0%7Db.pdf

**ADOPTION PROPOSAL**

| **S/No.** | **Standard Number** | **Adoption acceptable as presented** | **Adoption proposal not acceptable** | **Reason why adoption proposal not acceptable** | **Proposed Change/recommendation(s)** |
| --- | --- | --- | --- | --- | --- |
|  | IEC 60076-3:2013+AMD1:2018 CSV |  |  |  |  |
|  | IEC 60076-5:2006 |  |  |  |  |
|  | IEC 60076-13:2006 |  |  |  |  |
|  | IEC 60076-15:2015 |  |  |  |  |
|  | IEC 62208:2011 |  |  |  |  |
|  | IEC 62351-4:2018+AMD1:2020 CSV |  |  |  |  |
|  | IEC 62351-8:2020 |  |  |  |  |
|  | IEC 60034-1:2022 |  |  |  |  |
|  | IEC 60034-8:2007+AMD1:2014 CSV |  |  |  |  |
|  | IEC 60204-31:2013 |  |  |  |  |
|  | IEC 60204-33:2009 |  |  |  |  |
|  | IEC 60099-6:2019 |  |  |  |  |
|  | IEC 60099-8:2017 |  |  |  |  |
|  | IEC 60269-1:2006+AMD1:2009+AMD2:2014 CSV |  |  |  |  |
|  | IEC 60269-2:2013+AMD1:2016 CSV |  |  |  |  |
|  | IEC 60269-3:2010+AMD1:2013+AMD2:2019 CSV |  |  |  |  |
|  | IEC 60269-4:2009+AMD1:2012+AMD2:2016 CSV |  |  |  |  |
|  | IEC 62056-3-1:2021 |  |  |  |  |
|  | IEC 62056-6-1:2017 |  |  |  |  |
|  | IEC 61643-12:2020 |  |  |  |  |
|  | IEC 61643-21:2000+AMD1:2008+AMD2:2012 CSV |  |  |  |  |
|  | IEC 61643-31:2018 |  |  |  |  |
|  | IEC 61643-331:2020 |  |  |  |  |
|  | IEC 61558-2-6:2021 |  |  |  |  |
|  | IEC 61558-2-9:2010 |  |  |  |  |
|  | IEC 61558-2-12:2012 |  |  |  |  |
|  | IEC 61558-2-16:2021 |  |  |  |  |
|  | IEC 61558-2-20:2010 |  |  |  |  |
|  | IEC 61869-2:2012 |  |  |  |  |
|  | IEC 61869-3:2011 |  |  |  |  |
|  | IEC 61869-4:2013 |  |  |  |  |
|  | IEC 61869-5:2011 |  |  |  |  |
|  | IEC 60715:2017 |  |  |  |  |
|  | IEC 60127-1:2006+AMD1:2011+AMD2:2015 CSV |  |  |  |  |
|  | IEC 60127-2:2014+AMD1:2020 CSV |  |  |  |  |
|  | IEC 60127-3:2015+AMD1:2020 CSV |  |  |  |  |
|  | IEC 62351-4:2018+AMD1:2020 CSV |  |  |  |  |
|  | IEC 62351-6:2020 |  |  |  |  |
|  | IEC 62351-7:2017 |  |  |  |  |
|  | IEC 62351-8:2020 |  |  |  |  |