APPENDIX AA

ADOPTION PROPOSAL FORM

**CPR183/F12**

**KENYA BUREAU OF STANDARDS**

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| **Document Type:** | **Adoption proposal** |
| **Dates:** | Circulation date | Closing date |
| 2025-01-28 | 2025-02-28 |
| **TC Secretary** | **This form shall be filled, signed and returned to Kenya Bureau of Standards for the attention of Silvester Mukaisi (mukaisis@kebs.org)** |

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

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| 1. | **Number:** | **IEC 60255-24:2013** |
|  | **Title:** | Measuring relays and protection equipment - Part 24: Common format for transient data exchange (COMTRADE) for power systems |
|  | **Scope:** | standard defines a format for files containing transient waveform and event data collected from power systems or power system models. The format is intended to provide an easily interpretable form for use in exchanging data. The standard is for files stored on currently used physical media such as portable external hard drives, USB drives, flash drives, CD, and DVD. This standard defines a common format for the data files and exchange medium needed for the interchange of various types of fault, test, and simulation data. |
| 2. | **Number:** | **IEC 60255-26:2023** |
|  | **Title:** | Measuring relays and protection equipment - Part 26: Electromagnetic compatibility requirement |
|  | **Scope:** | specifies the requirements for electromagnetic compatibility for measuring relays and protection equipment. It is applicable to measuring relays and protection equipment and combinations of devices to form schemes for power system protection including the control, monitoring, communication and process interface equipment used with those systems. This document specifies limits and test methods, for measuring relays and protection equipment in relation to electromagnetic emissions which might cause interference in other equipment. This document specifies the immunity test requirements for measuring relays and protection equipment in relation to continuous and transient, conducted and radiated disturbances, including electrostatic discharges. |
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| 3. | **Number:** | **IEC 60255-27:2023** |
|  | **Title:** | Measuring relays and protection equipment - Part 27: Product safety requirements |
|  | **Scope:** | specifies the product safety requirements for measuring relays and protection equipment having a rated AC voltage up to 1 000 V, or a rated DC voltage up to 1 500 V. This document specifies essential safety requirements to minimize the risk of fire and hazards caused by electric shock or injury to the user and property. This document specifies only product safety requirements; functional performance of the equipment is not covered. This document covers all the ways in which the equipment can be mounted and used in cabinets, racks and panels. This document also applies to auxiliary devices such as shunts, series resistors, transformers, auxiliary control panels, display devices, etc., that are used in conjunction with measuring relays and protection equipment and are tested together. |
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| 4. | **Number:** | **IEC 60255-121:2014** |
|  | **Title:** | Measuring relays and protection equipment - Part 121: Functional requirements for distance protection |
|  | **Scope:** | specifies minimum requirements for functional and performance evaluation of distance protection function typically used in, but not limited to, line applications for effectively earthed, three-phase power systems. This standard also defines how to document and publish performance tests. This standard covers distance protection function whose operating characteristic can be defined on an impedance plane and includes specification of the protection function, measurement characteristics, phase selection, directionality, starting and time delay characteristics. The test methodologies for verifying performance characteristics and accuracy are included in this standard. The standard defines the influencing factors that affect the accuracy under steady state conditions and performance characteristics during dynamic conditions. It also includes the instrument transformer requirements for the protection function. The general requirements for measuring relays and protection equipment are defined in IEC 60255-1. |
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| 5. | **Number:** | **IEC 60255-127:2010** |
|  | **Title:** | Measuring relays and protection equipment - Part 127: Functional requirements for over/under voltage protection |
|  | **Scope:** | specifies minimum requirements for over/under voltage relays. The standard includes specification of the protection function, measurement characteristics and time delay characteristics. |
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| 6. | **Number:** | **IEC 60255-149:2013** |
|  | **Title:** | Measuring relays and protection equipment - Part 149: Functional requirements for thermal electrical relays |
|  | **Scope:** | specifies minimum requirements for thermal protection relays. This standard includes specification of the protection function, measurement characteristics and test methodologies. The object is to establish a common and reproducible reference for evaluating dependent time relays which protect equipment from thermal damage by measuring a.c. current flowing through the equipment. Complementary input energizing quantities such as ambient, coolant, top oil and winding temperature may be applicable for the thermal protection specification set forth in this standard. This standard covers protection relays based on a thermal model with memory function. |

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. (If the spaces provided are not enough, please attach a separate sheet of paper).

**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**.

**ADOPTION PROPOSAL**

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| **S/No.** | **Standard Number** | **Adoption acceptable as presented** | **Adoption proposal not acceptable** | **Reason why adoption proposal not acceptable** | **Proposed Change/recommendation(s)** |
| **1** | **IEC 60255-24:2013** |  |  |  |  |
| **2** | **IEC 60255-26:2023** |  |  |  |  |
| **3** | **IEC 60255-27:2023** |  |  |  |  |
| **4** | **IEC 60255-121:2014** |  |  |  |  |
| **5** | **IEC 60255-127:2010** |  |  |  |  |
| **6** | **IEC 60255-149:2013** |  |  |  |  |

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

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

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

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

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