APPENDIX DD  
ADOPTION PROPOSAL FORM

**CPR183/F12**

**KENYA BUREAU OF STANDARDS**

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| **Document Type:** | **Adoption proposal** | |
| **Dates:** | Circulation date | Closing date |
| 30th January 2024 | 29th February 2024 |
| **TC Secretary** | **This form shall be filled, signed and returned to Kenya Bureau of Standards for the attention of Nkatha Betty (**[nkathab**@kebs.org**](mailto:nkathab@kebs.org)**)** | |

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

**KEBS TC 172 REFRIGERATION AND AIR CONDITIONING**

1. **Number:** ISO 817:2014/Amd 2:2021

**Title:** Refrigerants — Designation and safety classification — AMENDMENT 2

**Scope:**

This International Standard provides an unambiguous system for assigning designations to refrigerants. It also establishes a system for assigning a safety classification to refrigerants based on toxicity and flammability data, and provides a means of determining the refrigerant concentration limit. Tables listing the refrigerant designations, safety classifications and the refrigerant concentration limits are included based on data made available.

https://www.iso.org/obp/ui/en/#iso:std:iso:817:ed-3:v1:amd:2:v1:en

1. **Number:** ISO 5149-1:2014/Amd 2:2021

**Title:** Refrigerating systems and heat pumps - Safety and environmental requirements

Part 1: Definitions, classification and selection criteria

**Scope:**

This International Standard specifies the requirements for the safety of persons and property, provides guidance for the protection of the environment, and establishes procedures for the operation, maintenance, and repair of refrigerating systems and the recovery of refrigerants.

This part of ISO 5149 specifies the classification and selection criteria applicable to the refrigerating systems and heat pumps. These classification and selection criteria are used in ISO 5149-2, ISO 5149-3, and ISO 5149-4.

https://www.iso.org/obp/ui/en/#iso:std:iso:5149:-1:ed-1:v1:amd:2:v1:en

1. **Number:** ISO 5149-2:2014/Amd 1:2020

**Title:** Refrigerating systems and heat pumps - Safety and environmental requirements

Part 2: Design, construction, testing, marking and documentation

**Scope:**

This part of ISO 5149 is applicable to the design, construction, and installation of refrigerating systems, including piping, components, materials, and ancillary equipment directly associated with such systems, which are not covered in ISO 5149-1, ISO 5149-3, or ISO 5149-4. It also specifies requirements for testing, commissioning, marking, and documentation. Requirements for secondary heat-transfer circuits are excluded except for any safety devices associated with the refrigerating system.

This part of ISO 5149 is applicable to new refrigerating systems, extensions or modifications of already existing systems, and for used systems, being transferred to and operated on another site.

<https://www.iso.org/obp/ui/en/#iso:std:iso:5149:-2:ed-1:v1:amd:1:v1:en>

1. **Number:** ISO 5149-3:2014/Amd 1:2021

**Title:** Refrigerating systems and heat pumps - Safety and environmental requirements

Part 3: Installation site

**Scope:**

This part of ISO 5149 is applicable to the installation site (plant space and services). It specifies requirements for the site for safety, which could be needed because of, but not directly connected with, the refrigerating system and its ancillary components.

This part of ISO 5149 is applicable to new refrigerating systems, extensions or modifications of existing systems, and for used systems being transferred to and operated on another site. This part of ISO 5149 also applies in the case of the conversion of a system for another refrigerant.

<https://www.iso.org/obp/ui/en/#iso:std:iso:5149:-3:ed-1:v1:amd:1:v1:en>

1. **Number:** ISO 5149-4:2022 To Replace KS ISO 5149-4:2014

**Title:** Refrigerating systems and heat pumps - Safety and environmental requirements

Part 4: Operation, maintenance, repair and recovery

**Scope:**

This document specifies requirements for safety and environmental aspects in relation to operation, maintenance and repair of refrigerating systems and the recovery, reuse and disposal of all types of refrigerant, refrigerant oil, heat transfer fluid, refrigerating system and part thereof.

This document does not cover "motor vehicle air conditioners" constructed according to the product standards such as ISO 13043.

These requirements are intended to minimize risks of injury to persons and damage to property and the environment resulting from improper handling of the refrigerants or from contaminants leading to system breakdown and resultant emission of the refrigerant.

<https://www.iso.org/obp/ui/en/#iso:std:iso:5149:-4:ed-2:v1:en>

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

Adoption acceptable as presented

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Adoption proposal not acceptable because of the reason(s) below

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Our Recommendations are as follows

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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**.