APPENDIX GG  
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 |
| 18/10/2018 | 17/11/2018 |
| **TC Secretary** | **This form shall be filled, signed and returned to Kenya Bureau of Standards for the attention of Nkatha Betty (nkathab@kebs.org)** | |

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

1. **Number:** IEC 62552 part 1

**Title:** Household Refrigerating Appliances – Characteristics and Test Methods –

Part 1: General requirements

**Scope**

This part of IEC 62552 specifies the essential characteristics of household **refrigerating appliances**, cooled by internal natural convection or forced air circulation, and establishes test methods for checking the characteristics.

For the purposes of declaration, the tests defined in this part of IEC 62552 are considered to be type tests to assess the fundamental design and operation of a **refrigerating appliance**.

This part of IEC 62552 does not define requirements for production sampling or conformity assessment or certification.

This part of IEC 62552 does not define a regime for verification testing as this varies by region and country. When verification of the performance of a **refrigerating appliance** of a given type in relation to this standard is necessary, it is preferable, wherever practicable, that all the tests specified be applied to a single unit. The tests can also be made individually for the study of a particular characteristic

1. **Number:** IEC 62552 part 2

**Title:**

Household Refrigerating Appliances – Characteristics and Test Methods –

Part 2: Performance requirements

**Scope:**

This part of IEC 62552 specifies the essential characteristics of household refrigerating appliances cooled by internal natural convection or forced air circulation, and specifies test methods for checking the characteristics.

This part of IEC 62552 describes the methods for the determination of performance

requirements. Although there is some commonality in the set-ups for different tests (and so it may be an advantage to apply them all to one sample), these are separate tests to evaluate specific characteristics of the sample being tested. This part of IEC 62552 does not specify a procedure to generalise the results from sample test results to a prediction of the characteristics of the whole population from which that sample was selected.

1. **Number:** IEC 62552 part 3

**Title**

Household Refrigerating Appliances – Characteristics and

Test Methods – Part 3: Energy consumption and volume

**Scope**

This part of IEC 62552 specifies the essential characteristics of household and similar refrigerating appliances cooled by internal natural convection or forced air circulation, and establishes test methods for checking these characteristics.

This part of IEC 62552 describes the methods for the determination of energy consumption characteristics and defines how these can be assembled to estimate energy consumption under different usage and climate conditions. This part of IEC 62552 also defines the determination of volume.

1. **Number:** IEC TR 63061:2017

**Title**

Adjusted Volume Calculation for Refrigerating Appliances

**Scope**

This document, which is a technical report, sets out a uniform calculation method for the parameter of adjusted volume that is commonly employed in the calculation of energy efficiency household refrigerators, freezers and refrigerator-freezers**.**

1. **Number ISO 814: 2014**

**Title**

Refrigerants — Designation and safety classification

**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.

1. **Number ISO 5149-1:2014**

**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.

This part of ISO 5149 applies to:

* a) refrigerating systems, stationary or mobile, of all sizes including heat pumps;
* b) secondary cooling or heating systems;
* c) the location of the refrigerating systems;
* d) replaced parts and added components after adoption of this part of ISO 5149 if they are not identical in function and in the capacity.

This part of ISO 5149 applies to fixed or mobile systems, except to vehicle air conditioning systems covered by a specific product standard, e.g. ISO 13043 and SAE J 639.

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.

This part of ISO 5149 also applies in the case of the conversion of a system to another refrigerant.

Annex A specifies the limits for the quantity of refrigerant charge permitted in systems in various locations and occupancy classes.

Annex B specifies the criteria for safety and environmental considerations of different refrigerants used in refrigeration and air conditioning.

Systems containing refrigerants which are not listed in ISO 817 are not covered in this part of ISO 5149.

1. **Number** ISO 5149-1:2014/Amd.1:2015

**Title**

Refrigerating systems and heat pumps — Safety and environmental requirements — Part 1: Definitions, classification and selection criteria AMENDMENT 1: Correction of QLAV, QLMV

1. **Number** ISO 5149-2:2014

**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.

This part of ISO 5149 applies to:

* a) refrigerating systems, stationary or mobile, of all sizes including heat pumps;
* b) secondary cooling or heating systems;
* c) the location of the refrigerating systems;
* d) replaced parts and added components after the adoption of this part of ISO 5149, if they are not identical in function and in capacity.

This part of ISO 5149 does not cover “motor vehicle air conditioners”. It does not apply to goods in storage, with respect to spoilage or contamination, but it also applies in the case of the conversion of a system for another refrigerant.

1. **Number:** ISO 5149-3:2014

**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.

1. **Number ISO 5149-4:2014**

**Title**

Refrigerating systems and heat pumps — Safety and environmental requirements — Part 4: Operation, maintenance, repair and recovery

**Scope**

This part of ISO 5149 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.

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.

Sub clauses 4.1.1, 4.1.2, 4.3, 5.1.1 to 5.1.4, 5.2, 5.3.1, 5.3.3 and 6.6 of this part of ISO 5149 are not applicable to unitary systems having a power cord, being factory sealed, and in conformance with IEC 60335 series.

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**.