

DRAFT SAINT LUCIA NATIONAL STANDARD

DNS/IEC 62552-1: 2015

**HOUSEHOLD REFRIGERATING APPLIANCES —
CHARACTERISTICS AND TEST METHODS - PART 1: GENERAL
REQUIREMENTS
(IEC 62552-1: 2015, IDT)**

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**THIS IS AN IDENTICAL ADOPTION OF THE INTERNATIONAL
ELECTROTECHNICAL COMMISSION STANDARD, IEC 62552-1: 2015**

GENERAL STATEMENT

The Saint Lucia Bureau of Standards was established under the Standards Act (No. 14 of 1990) and started operations on 01 April 1991. A broad-based 15-member Standards Council directs the affairs of the Bureau.

The Standards Act gives the Bureau the responsibility to develop and promote standards and codes of practice for products and services for the protection of the health and safety of consumers and the environment as well as for industrial development in order to promote the enhancement of the economy of Saint Lucia. The Bureau develops standards through consultations with relevant interest groups. In accordance with the provisions of the Standards Act, public comment is invited on all draft standards before they are declared as Saint Lucia National Standards.

The Bureau also administers the Metrology Act No. 17 of 2000. This legislation gives the Bureau the responsibility to regulate all weights and measures and to manage and co-ordinate the metrication of Saint Lucia.

The Bureau operates a Product Certification Scheme applicable to all products for which national standards exist. If a product satisfies all the requirements for certification, a licence to carry the **Saint Lucia Standard Mark** is issued to the manufacturer of the product. The presence of the mark on a product indicates that the product conforms to all the requirements of a specific national standard and assures consistent quality (of the product) to the consumer.

The Bureau is a member body of the International Organisation for Standardisation (ISO), an affiliate member of the International Electrotechnical Commission (IEC) and a member of the CARICOM Regional Organisation for Standards and Quality (CROSQ) and the Pan American Standards Commission (COPANT). The Bureau is the local agent for several foreign standards bodies such as the British Standards Institution (BSI) and the ASTM International (formerly known as the American Society for Testing and Materials). The Bureau serves as the enquiry point for the World Trade Organisation (WTO) on matters pertaining to the Technical Barriers to Trade (TBT) Agreement. The Bureau also serves as the National CODEX Alimentarius enquiry point with responsibility for coordinating national positions on CODEX matters.

In accordance with good practice for the adoption and application of standards, Saint Lucia National Standards are subject to review every five years. Suggestions for improvements are always welcomed at any time after publication of the standard.

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AMENDMENTS ISSUED SINCE LAST PUBLICATION

Amendment No.	Date of issue	Type of Amendment	Text(s) Affected

DRAFT FOR ENQUIRY STAGE

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TECHNICAL COMMITTEE FOR ELECTRICAL AND ELECTRONICS

The following persons comprised the Technical Committee responsible for overseeing the adoption of this standard:

Chairman

Gilroy Pultie

Representing

Saint Lucia Electricity Services

Members

Chesterfield Octave

National Consumers Association

Cletus Cyril

Ministry of Commerce, Industry,
Enterprise Development and Consumer
Affairs

Cosmos Alexander

Sir Arthur Lewis Community College

Cuthbert Marshall

Marshall's Electronics

David A Hird

General Interest

Fastus Serieux

Saint Lucia Fire Service

Humphrey Regis

Ministry of Economic Development,
Housing, Urban Renewal, Transport and
Civil Aviation

Lindsey Philbert

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Ministry of Infrastructure, Energy and
Labour

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Vivian Robinson

General Interest

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Saint Lucia Bureau of Standards

Edgar Stephen (Technical Secretary)

Saint Lucia Bureau of Standards

Kensha Neptune (Recording Secretary)

Saint Lucia Bureau of Standards

National foreword

This newly adopted national standard *SLNS/ IEC 62552-1: 2015* is an identical adoption of *IEC 62552-1: 2015 Household refrigerating appliances - Characteristics and test methods - Part 1: General requirements*. This version was adopted by the national Standards Council as an identical IEC standard on...

The adoption of this standard originated out of a regional initiative of by the CARICOM Regional Organization for Standards and Quality (CROSQ). This initiative was geared towards promotion energy efficiency and its larger inherent benefits by establishing standards for performance measurement and characteristics. A project committee created specifically for the creation and adoption of performance standards for refrigerators was put together, comprising representatives from CROSQ member states, with Saint Lucia serving as the Secretariat. The IEC series of standards *62552 Parts 1-3* have been identified and declared as regional standards.

Refrigerator and freezer appliances have become some of the most imported and used appliances in Saint Lucia. These appliances can be found in not only homes, but businesses, government departments, and schools. As a result of its widespread use and the need to ensure proper performance of these appliances, a standard has been adopted.

A refrigerator (colloquially fridge) is a popular household appliance that consists of a thermally insulated compartment and a heat pump, mechanical, electronic or chemical, that transfers heat from the inside of the fridge to its external environment so that the inside of the fridge is cooled to a temperature below the ambient temperature of the room. Refrigeration is an essential food storage technique in developed countries like Saint Lucia. The lower temperature lowers the reproduction rate of bacteria, so the refrigerator reduces the rate of spoilage. A refrigerator maintains a temperature a few degrees above the freezing point of water. A similar device that maintains a temperature below the freezing point of water is called a freezer.

IEC 62552-1:2015 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.

This publication is to be read in conjunction with *SLNS/ IEC 62552-2: 2015* and *SLNS/ IEC 62552-3: 2015*.

Throughout the text of this standard where reference is made to “International Standard” it shall be taken to mean “National Standard” having been adopted as a Saint Lucia National Standard without deviation.

NOTICE

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Only informative sections of the standards are publically available ONLINE.

To access the full text/content of this standard please contact the Saint Lucia Bureau of Standards for more information to obtain a copy of the full text available to you for comment.

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