



PROPOSAL FOR A NEW WORK ITEM	
Date of proposal <b>10 February, 2015</b>	Reference number (to be given by CROSQ Secretariat)
Proposer <b>Saint Lucia Bureau of Standards at Request of CROSQ</b>	<b>CROSQ/RTC/</b>

A proposal for a new work item shall be submitted to the CROSQ Secretariat, which will assign it a reference number and process the proposal in accordance with the CROSQ Directives. The proposer of a new work item may be a Member of CROSQ which submits the proposal via the National Standards Bureau, a regional technical committee or subcommittee, the Council on Trade and Economic Development, (COTED), the CROSQ Council, The CROSQ Executive Committee, the CROSQ Secretariat, or a national, regional or international organisation recognized by the CROSQ Council. Guidelines for proposing and justifying a new work item are given in the CROSQ Directive - Procedure for the Management of the Technical Work of CROSQ (DRAFT).

**IMPORTANT NOTE: Proposals without adequate justification risk rejection or referral to the originator**

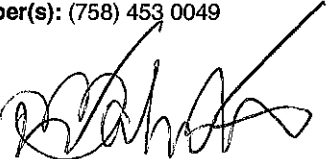
**Proposal** (to be completed by the proposer)

<p><b>Title of proposed deliverable:</b> (in the case of an amendment, revision or a new part of an existing document, show the reference number and current title) <b>Energy Efficiency Labelling of Refrigerating equipment (Refrigerators, Freezers and Combination)</b></p>
<p><b>Scope of the proposed deliverable.</b> Comparative Energy efficiency labelling requirements for refrigerating equipment for household and industrial use. Scope excludes air condition units for domestic and industrial use.</p>
<p><b>Purpose and justification of the proposal.</b> As part of the Eastern Caribbean Energy Labelling Project (ECELPE) in 2012-2013 the consulting agency -GIZ equipped participating OECS countries with equipment and training to perform comparative energy consumption analyses of refrigerating equipment. Unfortunately at the time of the project, none of the participating countries had existing national standards for energy efficiency labelling of refrigerating equipment.  The CARICOM region can advance its safety and environmental agenda with the development of energy efficiency standards and supporting conformity assessment services. The region is predominantly a consumer market and ensuring consumers have access to comparatively high quality products that displays levels of efficiency is dependent on the availability of such standards and conformity assessment activities. Development of a regional framework for energy efficiency would allow retailers to always display energy efficiency labels on products.  It is proven that labels enable consumers to make informed purchase decisions. Energy efficiency labelling will contribute to consumer decision regarding consumption patterns and energy savings. Refrigerators and freezers usually run 24 hours a day, 365 days a year making them largest domestic and commercial energy consumption device. It is particularly important to care about energy efficiency when buying a new refrigerator coupled with correct practices during use.  Provision of information on energy efficiency, may allow purchasers to attain more efficient refrigerators. Households, commerce, industry and the public sector will benefit from lower electricity bills through the use of more efficient refrigerators. Concurrently the region should benefit from lower consumptions of fossil fuels and reduction in the carbon footprint of nations within CARICOM. This reduced reliance on fossil fuels has the advertent effect by contributing to environmental protection and climate change mitigation.  A regional energy efficiency labelling standard will compliment testing capabilities of member states and assist in validating energy efficiency labelling claims to ensure consumers are not misled. This ultimately results in accurate information being provided to consumers.</p>
<p><b>If draft is attached to this proposal,:</b> Please select from one of the following options (note that if no option is selected, the default will be the first option): <input checked="" type="checkbox"/> Draft document will be registered as new project in the committee's work programme (stage 20.00) Draft document can be registered as a Working Draft (WD – stage 20.20) <input type="checkbox"/> Draft document can be registered as a Committee Draft (CD – stage 30.00) <input type="checkbox"/> Draft document can be registered as a Draft CARICOM Regional Standard (DCRS – stage 40.00)</p>

<p><b>Indication(s) of the preferred type or types of deliverable(s) to be produced</b></p> <p><input checked="" type="checkbox"/> CARICOM Regional Standard <input type="checkbox"/> Technical Specification <input type="checkbox"/> Publicly Available Specification <input type="checkbox"/> Technical Report</p>
<p><b>Proposed development track</b> Fast track ( 12 months) <input type="checkbox"/> normal development ( 24.5 months) <input checked="" type="checkbox"/></p>
<p><b>Known patented items (see CROSQ directives, Part 1 Management of Technical work for important guidelines)</b></p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>if “yes”, provide full information as an annex</b></p>
<p><b>A statement from the proposer as to how the proposed work may relate to or impact on existing work, especially existing CROSQ deliverables. The proposer should explain how the work differs from apparently similar work, or explain how duplication or conflict will be minimised</b></p> <p>The proposed standard will compliment testing capability already established in some member states through the ECELP.</p> <p>CROSQ NWIPs for CFLs and air conditioners should also be considered.</p>
<p><b>A listing of relevant existing documents at the international, regional and national levels</b></p> <p>COPANT standard 1707 Energy efficiency. Refrigerators, freezers and combined household appliances</p> <p>Commission Directive 2003/66/EC. Specifications and labelling.</p> <p>Report of Northern American Energy Efficiency standards and labelling</p> <p>IEC 62552 – Household refrigerating appliances characteristics and test methods Parts 1 to 3</p>
<p><b>A simple and concise statement identifying and describing relevant affected stakeholder categories (including small, medium and micro enterprises) and how they will each benefit from or be impacted by the proposed deliverable(s)</b></p> <p>The proposed standard will be used in validating energy efficiency labelling claims to ensure consumers are not misled and accurate information is provided.</p> <p>Importers/retailers will benefit from testing by using it in their marketing campaign for energy efficient appliances.</p> <p>Consumers will gain confidence in their purchase knowing the regulatory agency have tested and approved the label.</p> <p>Regulatory agencies/conformity assessment agencies will have a basis for evaluation and monitoring.</p> <p>Governments can benefit by having regional documents that can be used to set policy direction or declarations.</p>

<p><b>Liaison organisations (list of relevant international or Regional organisations or internal parties (or other CROSQ committees) to be engaged as liaisons in the development of the deliverable(s)</b></p> <p>COPANT TC 151-152</p> <p>OAS renewable energies department</p>
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<p><b>Preparatory work</b> (at a minimum an outline should be included with the proposal)</p> <p>A draft is attached <input type="checkbox"/> An outline is attached <input checked="" type="checkbox"/> An existing document to serve as an initial basis <input type="checkbox"/></p> <p>The proposer or the proposer’s organisation is prepared to undertake the preparatory work required Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>
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<p><b>Name and signature of Proposer (include contact information)</b></p> <p><b>Name:</b> Dr. Mkabi Walcott <b>Organisation:</b> Saint Lucia Bureau of Standards</p> <p><b>Contact number(s):</b> (758) 453 0049 <b>Email:</b> Director@slbs.org</p> <p><b>Signature:</b> </p>
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**Supplementary Information relating to the proposal**

- This proposal relates to a new CROSQ document
- This proposal relates to the amendment of an existing CROSQ document
- This proposal is for the revision of an existing CROSQ document
- This proposal relates to the re-establishment of a cancelled project as an active project

**Annex(es) are included with this proposal (give details):**

**Outline of potential standard**

**Comparative label format**

**Comments of the CROSQ TMC / Council (to be completed by the CROSQ Secretariat)**

Signature

**CROSQ CEO**

# Annex 1

## Outline of proposed standard

### Scope

This standard specifies the method of energy efficiency classification of refrigerators used for domestic and similar purposes, the test methods and the features of the energy efficiency label.

This national standard is applicable to the following refrigerating household and commercial appliances:

- a) refrigerators with or without low temperature compartments;
- b) refrigerator - freezer, appliances to store frozen food;
- c) freezer type frost-free or not.

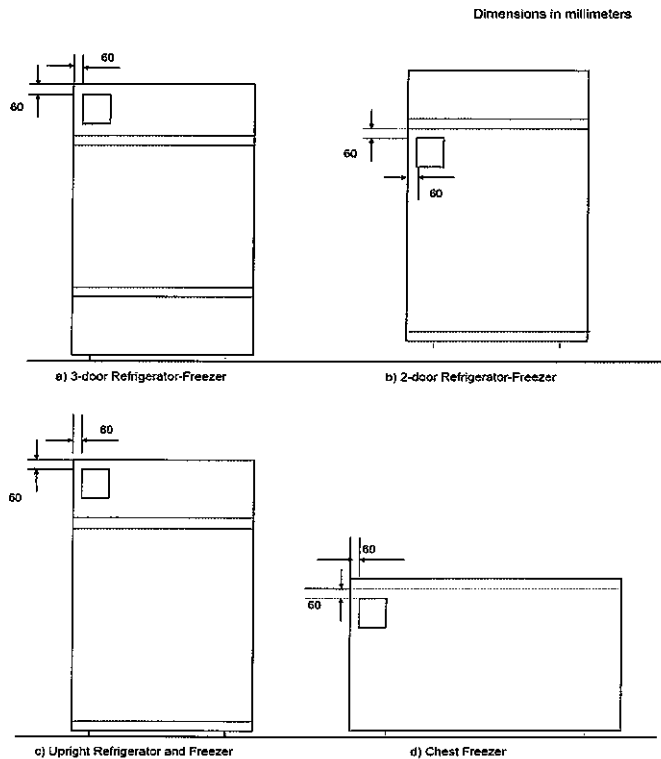
### Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

### Label requirements

#### General Requirements

#### Placement



**Permanence  
Information  
Particular Requirements  
Dimensions  
Colours**

**Table — Colours for the label**

<b>Efficiency Class</b>	<b>Cyan</b>	<b>Magenta</b>	<b>Yellow</b>	<b>Black</b>
A	100%	0%	100%	0%
B	70%	0%	100%	0%
C	30%	0%	100%	0%
D	0%	0%	100%	0%
E	0%	30%	100%	0%
F	0%	70%	100%	0%
G	0%	100%	100%	0%
Borders of label	100%	0%	70%	0%
Characters	0%	0%	0%	100%
Background	0%	0%	0%	0%

**Sampling**

**Test Methods**

Procedures for Preparation of Products for Testing

**Installation**

**Load plan**

**Load limits**

**Ice maker**

**Determining the volume of the refrigerator/freezer**

**Freezer Compartments**

Two Star Compartments located inside the freezer products

**Calculation methodology and classes definition for energy efficiency of household refrigerators and freezers**

## Annex 2 Comparative label

**Comparative label is preferred for the regional standard to be developed instead of an endorsement label. Endorsement labels** can be understood as "seals of approval" indicating that a product meets certain criteria regarding energy efficiency. In general, appliances with such a label have to exceed minimum energy efficiency requirements by a certain margin. Usually, it can be recommended to buy products with such labels rather than products without a label. **Comparative labels** allow the consumer to compare the energy consumption of products of the same type and size. They mostly contain a kind of ranking, often by using a scale with pre-defined efficiency categories. Comparative labels, such as just shown, are mandatory in most countries, at least for major electricity consuming appliances, such as refrigerators/freezers, air conditioners and lighting.

Dimensions in millimeters

### Fields to be filled out in the label

Field	Content
1	Classification according to table A.1 or B.1
2	Name of manufacturer (optional)
3	Trade mark (logotype)
4	Defrost system (automatic, manual etc.)
5	Model / voltage, frequency Hz
6	Character ( A, B, C, D, E, F, G ) correspondent to the energy efficiency class of the product
7	Energy consumption, in KWh/month. The mensual consumption will be obtained by multiplying the consumption in KWh/24h for 30days
8	Volume in litres of refrigerator compartment ( if applicable)
9	Volume in litres of freezer compartment ( if applicable)
10	Classification and number of stars and the nominal temperature of the freezer compartment in ° C (if applicable)

**Form, size and identification of fields that should be filled out in the label**