

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 2
AMENDEMENT 2

**Household and similar electrical appliances – Test code for the determination of airborne acoustical noise –
Part 2-14: Particular requirements for refrigerators, frozen-food storage cabinets and food freezers**

**Appareils électrodomestiques et analogues – Code d'essai pour la détermination du bruit aérien –
Partie 2-14: Exigences particulières pour les réfrigérateurs, conservateurs et congélateurs**





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INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

ICS 17.140.20, 97.040.20

ISBN 978-2-8322-8323-3

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES –
TEST CODE FOR THE DETERMINATION
OF AIRBORNE ACOUSTICAL NOISE –****Part 2-14: Particular requirements for refrigerators,
frozen-food storage cabinets and food freezers****AMENDMENT 2****FOREWORD**

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Amendment 2 to IEC 60704-2-14:2013 has been prepared by subcommittee 59M: Performance of electrical household and similar cooling and freezing appliances, of IEC technical committee 59: Performance of household and similar electrical appliances.

The text of this Amendment is based on the following documents:

Draft	Report on voting
59M/167/FDIS	59M/168/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this Amendment is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications/.

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1.1.1 General

[IEC 60704-2-14:2013/AMD2:2024](https://standards.itih.ai/standards/iec-60704-2-14-2013-amd2-2024)

Replace the existing text with the following new text and note:

Addition:

These particular requirements apply to refrigerating appliances (fitted with their accessories) for household and similar use, supplied from the mains or from batteries.

NOTE This document does not apply to air conditioners.

1.1.2 Types of noise

Replace the existing text with the following new text:

Replacement:

The methods specified in ISO 3743-1, ISO 3743-2 and ISO 3744 can be used for measuring noise emitted by refrigerating appliances.

1.1.3 Size of the source

Replace the existing text, as modified by Amendment 1, with the following new text:

Replacement:

The method specified in ISO 3744 is applicable to noise sources of any size. When applying ISO 3743-1 and ISO 3743-2:1994, care shall be taken to ensure that the maximum size of the refrigerating appliance under test fulfils the requirements specified in 1.2 of ISO 3743-1:2010 and 1.3 of ISO 3743-2:1994.

3.101

Replace the existing definition and note, as modified by Amendment 1, with the following new definition:

running period

period which begins when the compressor or another cooling system turns on and ends when the compressor or the cooling system turns off

Add the following new terms, definitions and note:

3.105

refrigerating appliance

insulated cabinet with one or more compartments that are controlled at specific temperatures and are of suitable size and equipped for household use, cooled by natural convection or a forced convection system whereby the cooling is obtained by one or more energy-consuming means

Note 1 to entry: From the point of view of installation, there are various types of household refrigerating appliances (free-standing, portable, wall-mounted, built-in, etc.).

3.106

aperiodic behaviour

behaviour without specific running period when the compressor or the cooling system (in appliances without compressor) runs for longer than 4 h

6.4.2

Replace the existing text, as modified by Amendment 1, with the following new text:

Replacement:

To determine the noise emission of an appliance, it shall be operated at the following compartment internal temperatures.

- Fresh-food storage compartment: $+ 4 \text{ }^{\circ}\text{C} \pm 2 \text{ K}$
- Frozen compartments with individual user adjustable setting:

3- or 4-star compartment	$- 18 \text{ }^{\circ}\text{C} \pm 2 \text{ K}$
2-star compartment	$- 12 \text{ }^{\circ}\text{C} \pm 2 \text{ K}$
1-star compartment	$- 6 \text{ }^{\circ}\text{C} \pm 2 \text{ K}$
0-star compartment	$0 \text{ }^{\circ}\text{C} \pm 2 \text{ K}$
- Chill compartment with individual user adjustable setting: $+ 2 \text{ }^{\circ}\text{C} \pm 2 \text{ K}$
- Wine storage or cellar compartment with individual user adjustable setting: $13 \text{ K} \pm 2 \text{ K}$ below ambient temperature. If temperature setting is not possible within this tolerance, the temperature difference shall be close to 13 K, but in any case, larger than 11 K