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Responsible committee: CPL/59 Performance of household electrical appliances

Interested committees:

Title: BS EN IEC 60350-2/AMD2 Amendment 2 - Household electric cooking appliances

Part 2: Hobs - Methods for measuring performance

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Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

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UK Vote

Please indicate whether you consider the UK should submit a negative (with supporting technical reasons) or positive vote on this draft. Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.

Submission of Comments

- **Annotated drafts are not acceptable and will be rejected.**
- All comments should be submitted online at <https://standardsdevelopment.bsigroup.com/>. You will need to register in order to comment.

Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
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1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex (e.g. 3.1)	Paragraph/Figure/ Table/Note	Type of comment	Commend (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	



59K/384/CD

COMMITTEE DRAFT (CD)

PROJECT NUMBER:

IEC 60350-2/AMD2 ED2

DATE OF CIRCULATION:

2024-01-12

CLOSING DATE FOR COMMENTS:

2024-04-05

SUPERSEDES DOCUMENTS:

59K/375/RR

IEC SC 59K : PERFORMANCE OF HOUSEHOLD AND SIMILAR ELECTRICAL COOKING APPLIANCES

SECRETARIAT:

Germany

SECRETARY:

Ms Susanne Stolz

OF INTEREST TO THE FOLLOWING COMMITTEES:

TC 59

PROPOSED HORIZONTAL STANDARD:



Other TC/SCs are requested to indicate their interest, if any, in this CD to the secretary.

FUNCTIONS CONCERNED:

☐ EMC

☒ ENVIRONMENT

☒ QUALITY ASSURANCE

☐ SAFETY

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TITLE:

Amendment 2 - Household electric cooking appliances - Part 2: Hobs - Methods for measuring performance

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

HOUSEHOLD ELECTRIC COOKING APPLIANCES –

**Part 2: Hobs –
Methods for measuring performance****AMENDMENT 2****FOREWORD**

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Amendment 2 to IEC 60350-2:2018 has been prepared by subcommittee 59K: Performance of household and similar electrical cooking appliances, of IEC technical committee 59: Performance of household and similar electrical appliances.

This amendment includes the following significant technical changes with respect to the previous edition:

- a) new definitions for portable hob, hob with down-draft system and low power modes are amended in Clause 3;
- b) removal of 6.4 Level of solid hotplates;

- c) revision of Clause 7 in order to improve the application of the smoothing average;
- d) revision of Table 1 and Table 3 in order to amend missing tolerances;
- e) Ry replaced by L* in Clause 8 and reference to TS 63350;
- f) requirements for digital assessment in 9.1.6 removed as they are covered in TS 63350;
- g) revision of Clause 12 Consumption measurement of low power modes;
- h) removal of Clause 13 Spillage capacity of hobs;
- i) Annex H Low-power mode measurements added;
- j) removal of Annex D as the shade charts are specified in TS 63350;
- k) removal of Annex E as the calculation sheet is substituted by a supporting document located on the IEC's web site
- l) update of Annex F by removal of F.6, F.7 and F.8 and by adding a further possible supplier in F.4.

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

Draft	Report on voting
XX/XX/FDIS	XX/XX/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, [and the ISO/IEC Directives, JTC 1 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.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

1 Scope

Replace the 3rd paragraph with the following:

The hob can be part of a cooking range and it can have an integrated cooking fume extractor, i.e. a down-draft system.

2 Normative references

Add following reference:

IEC 63474:2023, *Electrical and electronic household and office equipment - Measurement of networked standby power consumption of edge equipment*

IEC 61591:2023, *Cooking fume extractors – Methods for measuring performance*

IEC 60350-1:2023, *Household electrical cooking appliances – Part 1: Ranges, ovens, steam ovens and grills – Methods for measuring performance*

IEC TS 63350:2022, *Household electrical appliances – Specification of the properties of a digital system for measuring the performance*

3 Terms and definitions

Replace 3.8 and 3.9 by the following new content:

3.8

radiant cooking zone

cooking zone on which the cookware is heated by means of a radiant heating element below the glass ceramic which could have a heating ribbon, heating spiral or a tungsten wire which is located in a quartz glass bulb or combination of these

3.9

induction cooking zone

cooking zone in which the cookware is heated by means of an induction element below the glass ceramic or similar where the eddy currents are induced in the bottom of the cookware by a magnetic field

Cancel 3.17 (set to off mode) and 3.18 (set to standby mode).

Add following new terms:

3.17

active mode

mode in which the appliance is connected to the mains power source, has been activated, and is performing any of the intended functions

[SOURCE: 60350-1:2023]

3.18

network

communication infrastructure with a topology of links, an architecture, including the physical components, organizational principles, communication procedures and formats (protocols)

[SOURCE: 60350-1:2023]

3.19

off mode

condition in which the appliance is connected to the mains and is not providing any active mode or standby function and where the mode may persist for an indefinite time

Note 1 to entry: The following shall also be considered as off mode:

- a) conditions providing only an indication of **off mode**;
- b) conditions providing only functionalities intended to ensure electromagnetic compatibility.

[SOURCE: 60350-1:2023]

3.20

standby mode

condition where the appliance is connected to the mains and provides only the following functions, which can persist for an indefinite duration:

- (a) reactivation function, or reactivation function and a mere indication of enabled reactivation function;
- (b) information or status display;
- (c) detection function for emergency measures.

[SOURCE: 60350-1:2023]

Example An example for the detection function for emergency measures is an acoustical signal when touch controls are overflowed with water.

Example An example for the reactivation function is an internal touch control sensor, which continuously monitors any user's interaction.

3.21

standby mode in condition of networked standby

condition where the appliance is connected to the mains and provides only the reactivation function through a connection to a network, which can persist for an indefinite duration

Note 1 to entry: This mode is only applicable to appliances that provide a connection function to a network.

[SOURCE: 60350-1:2023]

3.22

hob with down draft system

cooking fume extractor integrated in a hob that draws vapour down into a duct

[SOURCE: 61591:2023 modified – In the term itself, "hob" has been added; in the definition, "intended for installation adjacent to a cooking appliance or" has been removed.]

3.23

portable hob

hob designed to be portable and lightweight for easily transportable means of cooking powered by a cord that connects to a nearby outlet

5.1 Test room

Replace the last paragraph with the following new content: