

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE



**Household microwave ovens – Methods for measuring performance**

**Fours à micro-ondes à usage domestique – Méthodes de mesure de l'aptitude à la fonction**



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**HOUSEHOLD MICROWAVE OVENS –  
METHODS FOR MEASURING PERFORMANCE**

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IEC 60705 has been prepared by subcommittee 59K: Performance of household and similar cooking appliances, of IEC technical committee 59: Performance of household and similar electrical appliances. It is an International Standard.

This fifth edition cancels and replaces the fourth edition published in 2010, Amendment 1: 2014 and Amendment 2: 2018. This edition constitutes a technical revision.

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

- a) thematically ordered new sequence of the clauses;
- b) updated normative references;
- c) introduced a new definition for microwave generator to open the standard for microwave ovens with one or more magnetrons or solid-state components;
- d) aligned with IEC 60350-1:2023 regarding the definitions and references;

- e) aligned preparation of water load for Clause 8 and Clause 10;
- f) removed the definitions for set to off mode and set to standby mode ;
- g) added new definitions regarding low power modes;
- h) aligned the low power mode measurement, Clause 11, to IEC 60350-1:2023;
- i) revised square tank tests to one new 12.2;
- j) revised the dishes used for Clause 12, Clause 13 and Clause 14 and removal of Annex B;
- k) removed A.3.3;
- l) removed Annex F for measuring the energy consumption of the cooling down period;
- m) former Annex E will be substituted by a supporting document located on the IEC's website.

The text of this International Standard is based on the following documents:

Draft	Report on voting
59K/400/FDIS	59K/404/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 International Standard 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](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/publications](http://www.iec.ch/publications).

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