

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

AMENDMENT 1  
AMENDEMENT 1

**Household and similar electrical appliances – Safety –  
Part 2-105: Particular requirements for multifunctional shower cabinets**

**Appareils électrodomestiques et analogues – Sécurité –  
Partie 2-105: Règles particulières pour les cabines de douche multifonctions**

<https://standards.iteh.ai/catalog/standards/iec/720196df-2480-45d8-ad49-97c2fb7846bf/iec-60335-2-105-2004-amd1-2008>



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INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

COMMISSION  
ELECTROTECHNIQUE  
INTERNATIONALE

PRICE CODE  
CODE PRIX

**E**

## FOREWORD

This amendment has been prepared by IEC technical committee 61: Safety of household and similar electrical appliances.

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

| FDIS         | Report on voting |
|--------------|------------------|
| 61/3412/FDIS | 61/3425/RVD      |

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

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the maintenance result date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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- withdrawn,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

NOTE The attention of National Committees is drawn to the fact that equipment manufacturers and testing organizations may need a transitional period following publication of a new, amended or revised IEC publication in which to make products in accordance with the new requirements and to equip themselves for conducting new or revised tests.

It is the recommendation of the committee that the content of this amendment be adopted for implementation nationally not earlier than 12 months from the date of its publication.

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## CONTENTS

*Add the following:*

Annex BB (informative) Example of a separate multifunctional shower unit

## INTRODUCTION

*Replace the fifth paragraph by the following:*

When a part 2 standard does not include additional requirements to cover hazards dealt with in Part 1, Part 1 applies.

NOTE 1 This means that the technical committees responsible for the part 2 standards have determined that it is not necessary to specify particular requirements for the appliance in question over and above the general requirements.

This standard is a product family standard dealing with the safety of appliances and takes precedence over horizontal and generic standards covering the same subject.

NOTE 2 Horizontal and generic standards covering a hazard are not applicable since they have been taken into consideration when developing the general and particular requirements for the IEC 60335 series of standards. For example, in the case of temperature requirements for surfaces on many appliances, generic standards, such as ISO 13732-1 for hot surfaces, are not applicable in addition to Part 1 or part 2 standards.

## 1 Scope

Replace, in the second paragraph, “electric **multifunctional shower cabinets**” by “electric **multifunctional shower cabinets** and electric **separate multifunctional shower units**”.

Replace the two dashed items in the fourth paragraph by the following:

- persons (including children) whose
  - physical, sensory or mental capabilities; or
  - lack of experience and knowledgeprevents them from using the appliance safely without supervision or instruction;
- children playing with the appliance.

In Note 103, add the following dashed items before the existing first dashed item.

- instantaneous water heaters used for showering (IEC 60335-2-35);
- shower-boost pumps (IEC 60335-2-41);

## 3 Definitions

Add the following new definition:

### 3.102

#### **separate multifunctional shower unit**

multifunctional shower unit without a prefabricated shower cabinet that incorporates at least one electric function in addition to the showering function

NOTE An example of a **separate multifunctional shower unit** is shown in Annex BB.

## 6 Classification

**6.2** In the addition, replace “**Multifunctional shower cabinets**” by “**Multifunctional shower cabinets** and **separate multifunctional shower units**”.

## 7 Marking and instructions

**7.1** In the addition, replace the last paragraph by the following:

If the temperature of a water or steam outlet, excluding the shower head and the water outlets when the water is not heated by the **multifunctional shower cabinet** or **separate multifunctional shower unit** itself, exceeds 60 °C, the appliance shall be marked near the outlet with the symbol IEC 60417-5041 (2002-10) or with the substance of the following:

CAUTION: Hot surface

## 22 Construction

**22.7** Replace “Replacement:” by “Addition:”

Delete the second paragraph of the test specification.

**22.33** In the addition, add the following paragraph:

Vapour is not considered to be a conductive liquid.

### 30 Resistance to heat and fire

Add the following subclause:

#### 30.2 Addition:

A function that only occurs when the shower water is flowing is attended use and for that part of the appliance, 30.2.2 is applicable.

If a function is unattended use, then for that part of the appliance, 30.2.3 is applicable.

### Annexes

Add the following new annex:

#### Annex BB (informative)

#### Example of a separate multifunctional shower unit



IEC 2344/07