

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE



**Electrically operated spray seats for household and similar use – Methods for measuring the performance – General test methods of spray seats**

**Sièges de toilettes électriques à pulvérisation d'eau pour usages domestiques et analogues – Méthodes de mesure de l'aptitude à la fonction – Méthodes d'essai générales des sièges de toilettes à pulvérisation d'eau**



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IEC Secretariat  
3, rue de Varembe  
CH-1211 Geneva 20  
Switzerland

Tel.: +41 22 919 02 11  
[info@iec.ch](mailto:info@iec.ch)  
[www.iec.ch](http://www.iec.ch)

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## ELECTRICALLY OPERATED SPRAY SEATS FOR HOUSEHOLD AND SIMILAR USE – METHODS FOR MEASURING THE PERFORMANCE – GENERAL TEST METHODS OF SPRAY SEATS

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

Draft	Report on voting
59L/210/CDV	59L/216/RVC

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.

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## INTRODUCTION

In recent years, spray toilet seats (hereinafter **spray seats**) have been used in various places, including households and public facilities.

The International Standard currently available for these products is IEC 60335-2-84, which covers the aspects of electrical safety.

This document covers the aspects of performance and specifies the general test methods for the evaluation of the performance of **spray seats**, including the test methods using substitutes of human faeces that take into consideration the large variety of human faeces substitutes, based on the fact that they are different in terms of composition, and the health condition of the user and their sitting style can have an influence on the overall performance.

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# ELECTRICALLY OPERATED SPRAY SEATS FOR HOUSEHOLD AND SIMILAR USE – METHODS FOR MEASURING THE PERFORMANCE – GENERAL TEST METHODS OF SPRAY SEATS

## 1 Scope

This International Standard specifies test methods to measure the performance of electrically operated **spray seats** for household and similar use.

This document applies to **spray seats**, including tank-type **spray seats**, instantaneous-type **spray seats** and combination-type **spray seats**.

This document does not apply to the electrically operated **spray seats** that are intended for medical and/or assistive functions

NOTE This International Standard does not specify acoustical noise requirements for electrical **spray seats**. Acoustical noise measurements are specified in IEC 60704-1 and the IEC 60704-2 series.

## 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

IEC 60335-2-84:2019, *Household and similar electrical appliances – Safety – Part 2-84: Particular requirements for toilet appliances*

## 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- IEC Electropedia, available at <https://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

### 3.1

#### **spray seat**

toilet seat fitted with a device that emits water to the intimate area of the human body

Note 1 to entry: **Spray seats** can have functions such as heating the seat, blowing warm air, deodorizing or automatically opening/closing the seat and the bowl cover.

### 3.2

#### **spray receiving point**

point where the centre of the spray crosses the horizontal plane of the toilet bowl rim when the nozzle is in its middle position.

### 3.3

#### **rear spray**

spray emitted to the anal area