

INTERNATIONAL STANDARD

NORME INTERNATIONALE



AMENDMENT 1
AMENDEMENT 1

**Surface cleaning appliances –
Part 7: Dry cleaning robots for household or similar use – Methods for
measuring the performance**

**Appareils de nettoyage des sols –
Partie 7: Robots de nettoyage à sec à usage domestique ou analogue –
Méthodes de mesure de l'aptitude à la fonction**





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INTERNATIONAL ELECTROTECHNICAL COMMISSION

SURFACE CLEANING APPLIANCES –

Part 7: Dry cleaning robots for household or similar use –
Methods for measuring the performance

AMENDMENT 1

FOREWORD

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Amendment 1 to IEC 62885-7:2020 has been prepared by subcommittee 59F: Surface cleaning 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
59F/424/CDV	59F/432A/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 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/standardsdev/publications/.

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iTeh STANDARD PREVIEW (standards.iteh.ai) INTRODUCTION

The following changes to IEC 62885-7:2020 concern Clause 1, and Subclauses 8.3.2.1 and 9.1.2.

The reason for this is to clarify the area of application of this standard and to align the specification on carpets with IEC 62885-2. A new annex on test materials is added as Annex D.

1 Scope

Add the following new paragraph before the last paragraph.

Due to the nature of the way this product operates in the home, comparisons with other types of surface cleaning appliances (e.g. dry vacuum cleaners) should not be made unless otherwise indicated. The cleaning performance methods, in particular, are only used to make comparisons with other **dry cleaning robots** and not with manually operated vacuum cleaner products.

8.3.2.1 Test bed

Replace the subclause with the following.

Refer to 9.3.

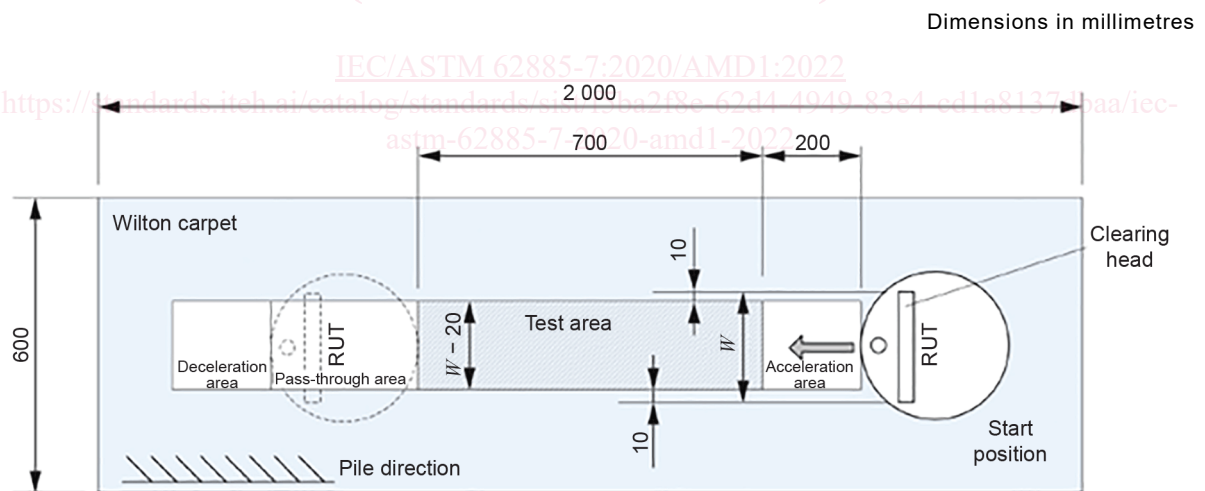
Exception: remove all legs (table, chair, and sofa legs). Replace the carpet with a test carpet of the same type as defined in 9.1.2 except in terms of length and width.

9.1.2 Carpet

Replace the subclause with the following.

9.1.2.1 General

The test bed is identical to that defined in 9.1.1, except that the floor is covered with test carpet. Figure 19 shows the configuration of the test bed.



Key

W width of robot cleaning head

RUT robot under test

Figure 19 – Straight-line carpet test bed configuration

9.1.2.2 Test carpets

The preferred test carpet for international testing and inter-laboratory comparative testing is the Wilton type carpet. There are three additional carpets of different quality related to cleaning performance that may be used. These carpets in verified versions are available from suppliers listed on the IEC website (see Annex D). Specifications on these carpet types are given for guidance in IEC TS 62885-1.

Category A, B and C test carpets are known to be well controlled and managed in terms of quality for repeatability and reproducibility for tests of manually operated cleaning devices.

The repeatability and reproducibility of tests with Category A, B and C test carpets for a **dry cleaning robot** have not yet been verified, but their assessment is under consideration.

NOTE Category A, B and C test carpets are included for potential use because these carpets are used by many organizations and laboratories as they are referenced in other ASTM standards for manually operated cleaning devices.

9.1.2.3 Type and quality of carpets

9.1.2.3.1 General

Whichever carpet that is selected for a test shall be declared in the results, along with the reason for using that type.

NOTE Information about suppliers providing verified carpets is found in Annex D.

9.1.2.3.2 Wilton carpet

This carpet is of Wilton type, which is the preferred test carpet and shall be used for international comparative testing. The carpet construction is described in IEC TS 62885-1.

9.1.2.3.3 Category A test carpet

This carpet is a level-loop test carpet also used by ASTM, normally relatively easy to clean and is an alternative for in-house laboratory testing as a complement to the Wilton type carpet. The carpet construction is described in IEC TS 62885-1.

9.1.2.3.4 Category B test carpet

This carpet is of tufted type (plush) with medium high pile, normally moderately easy to clean and is an alternative for in-house laboratory testing as a complement to the Wilton type carpet.

9.1.2.3.5 Category C test carpet

This carpet is of tufted type (shag) with high pile, often difficult to clean, and is an alternative for in-house laboratory testing as a complement to the Wilton type carpet.

Add a new informative Annex D as follows.

Annex D
(informative)

Information on materials

Information on supplies of test materials and details of test equipment are available on the IEC website. This information can be accessed via SC 59F supporting documents on the IEC website – www.iec.ch/sc59f/supportingdocuments. This information is given for the convenience of users of this International Standard and does not constitute an endorsement by IEC of the suppliers named. This information will be continuously updated.

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COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

APPAREILS DE NETTOYAGE DES SOLS –

Partie 7: Robots de nettoyage à sec à usage domestique ou analogue –
Méthodes de mesure de l'aptitude à la fonction

AMENDEMENT 1

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L'Amendement 1 à l'IEC 62885-7:2020 a été établi par le sous-comité 59F: Appareils de nettoyage des sols, du comité d'études 59 de l'IEC: Aptitude à la fonction des appareils électrodomestiques et analogues.

Le texte de cet Amendement est issu des documents suivants:

Projet	Rapport de vote
59F/424/CDV	59F/432A/RVC

Le rapport de vote indiqué dans le tableau ci-dessus donne toute information sur le vote ayant abouti à son approbation.