

SLOVENSKI STANDARD SIST-TS CLC/TS 62441:2007

01-december-2007

Naključno povzročen vžig s plamenom sveče pri avdio/video, komunikacijski in informacijski opremi (IEC/TS 62441:2006)

Accidentally caused candle flame ignition for audio/video, communication and information technology equipment

Zufällige Entzündung von Geräten der Audio/Video-, Kommunikations- und Informationstechnologie durch KerzenflammeRD PREVIEW

Comportement au feu des équipements audio/vidéo et des technologies de l'information et de la communication, créé accidentellement par une flamme de bougie

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Ta slovenski standard je istoveten z: CLC/TS 62441-2007

ICS:

13.220.40	Sposobnost vžiga in obnašanje materialov in proizvodov pri gorenju	Ignitability and burning behaviour of materials and products
35.020	Informacijska tehnika in tehnologija na splošno	Information technology (IT) in general

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en,fr,de

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SIST-TS CLC/TS 62441:2007

TECHNICAL SPECIFICATION SPÉCIFICATION TECHNIQUE TECHNISCHE SPEZIFIKATION

CLC/TS 62441

June 2007

ICS 35.020; 35.260

English version

Accidentally caused candle flame ignition for audio/video, communication and information technology equipment (IEC/TS 62441:2006)

Comportement au feu des équipements audio/vidéo et des technologies de l'information et de la communication, créé accidentellement par une flamme de bougie (CEI/TS 62441:2006) Zufällige Entzündung von Geräten der Audio/Video-, Kommunikations- und Informationstechnologie durch Kerzenflamme (IEC/TS 62441:2006)

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This Technical Specification was approved by CENELEC on 2007-04-27. SIST-TS CLC/TS 62441:2007

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CENELEC

European Committee for Electrotechnical Standardization Comité Européen de Normalisation Electrotechnique Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

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Foreword

The text of the Technical Specification IEC/TS 62441:2006, prepared by IEC TC 108, Safety of electronic equipment within the field of audio/video, information technology and communication technology, was submitted to the formal vote and was approved by CENELEC as CLC/TS 62441 on 2007-04-27.

The following date was fixed:

 latest date by which the existence of the CLC/TS has to be announced at national level

(doa) 2007-10-27

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the Technical Specification IEC/TS 62441:2006 was approved by CENELEC as a Technical Specification without any modification.

Annex ZA

(normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendment) applies.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

Publication	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	Year
IEC 60695-11-5	_1)	Fire hazard testing - Part 11-5: Test flames - Needle-flame test method - Apparatus, confirmatory test arrangement and guidance	EN 60695-11-5	2005 ²⁾
IEC 60695-11-10	_1)	Fire hazard testing - Part 11-10: Test flames - 50 W horizontal and vertical flame test methods	EN 60695-11-10	1999 ²⁾
IEC 60695-11-20	_1)	Fire hazard testing - Part 11-20: Test flames - 500 W flame test methods	EN 60695-11-20	1999 ²⁾

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

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SPÉCIFICATION TECHNIQUE TECHNICAL SPECIFICATION

CEI IEC TS 62441

Première édition First edition 2006-12

Comportement au feu des équipements audio/vidéo et des technologies de l'information et de la communication, créé accidentellement par une flamme de bougie

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Commission Electrotechnique Internationale International Electrotechnical Commission Международная Электротехническая Комиссия CODE PRIX PRICE CODE



Pour prix, voir catalogue en vigueur For price, see current catalogue TS 62441 © IEC:2006

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

ACCIDENTALLY CAUSED CANDLE FLAME IGNITION FOR AUDIO/VIDEO, COMMUNICATION AND INFORMATION TECHNOLOGY EQUIPMENT

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- The subject is still under technical development or where, for any other reason, there is the future but no immediate possibility of an agreement on an International Standard.

Technical specifications are subject to review within three years of publication to decide whether they can be transformed into International Standards.

IEC 62441, which is a technical specification, has been prepared by IEC technical committee 108: Safety of electronic equipment within the field of audio/video, information technology and communication technology.

TS 62441 © IEC:2006

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The text of this technical specification is based on the following documents:

Enquiry draft	Report on voting
108/171/DTS	108/191A/RVC

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

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

NOTE The following print types are used:

- requirements: in roman type;
- test specifications: in italic type;
- notes: in small roman type.

Words in **bold** in the text are defined in Clause 3. When a definition concerns an adjective, the adjective and the associated noun are also in bold.

The committee has decided that the contents of this 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

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- transformed into an International standard,
- reconfirmed,
- withdrawn,
- replaced by a revised edition, standards.iteh.ai)
- amended.

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ACCIDENTALLY CAUSED CANDLE FLAME IGNITION FOR AUDIO/VIDEO, COMMUNICATION AND INFORMATION TECHNOLOGY EQUIPMENT

1 Scope

This technical specification introduces safeguards to reduce the likelihood of flame spread that could lead to room flash-over as a result of accidental ignition of exterior housings of audio/video and information communication technology products, likely to be used in the home, caused by a simulated candle flame.

2 Normative references

IEC 60695-11-5, Fire hazard testing – Part 11-5: Test flames – Needle-flame test method – Apparatus, confirmatory test arrangement and guidance

IEC 60695-11-10, Fire hazard testing – Part 11-10: Test flames – 50 W horizontal and vertical flame test methods

IEC 60695-11-20, Fire hazard testing - Part 11-20, Test flames - 500 W flame test methods

3 Terms and definitions (standards.iteh.ai)

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

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2d2d82306c61/sist-ts-clc-ts-62441-2007

3.1

combustible material organic material, capable of combustion by a candle flame

NOTE 1 Metal or ceramic are examples of materials that are not combustible by a candle flame.

NOTE 2 All plastic materials are considered combustible by a candle flame, regardless of flammability classification.

3.2

flammability classification of materials

classification of the burning and extinguishing behaviour of a material

NOTE 1 Material classes are defined in 3.2.1 to 3.2.4.

NOTE 2 When applying the requirements in this technical specification, a material of **5VA class** is regarded as better than **5VB class**, **5VB class** better than **V-0 class** and **V-0 class** better than **V-1 class** (see 5.1).

NOTE 3 When applying the requirements in this technical specification, materials of V-2 class or HB class are considered less than V-1 class (see 5.1). For further details regarding these flame classifications, see IEC 60695-11-10.

3.2.1

V-0 class material

material tested in the thinnest significant thickness used and classified V-0 according to IEC 60695-11-10