



SLOVENSKI STANDARD

SIST-TS CLC/TS 62441:2012

01-maj-2012

Nadomešča:

SIST-TS CLC/TS 62441:2007

Varnostni ukrepi pred naključno povzročnim vžigom s plamenom sveče pri avdio/video, komunikacijski in informacijski opremi

Safeguards against accidentally caused candle flame ignition for audio/video, communication and information technology equipment

Schutzmaßnahmen gegen zufällige Entzündung von Geräten der Audio/Video-, Kommunikations- und Informationstechnologie durch Kerzenflamme

Mesures de protection contre l'embrasement accidentel dû à une flamme de bougie dans les équipements audio/vidéo, des technologies de la communication et de l'information

Ta slovenski standard je istoveten z: **CLC/TS 62441:2012**

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

SIST-TS CLC/TS 62441:2012

en,fr,de

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST-TS CLC/TS 62441:2012](https://standards.iteh.ai/catalog/standards/sist/e720d695-9bee-4ff4-9dd8-35c0f5160fef/sist-ts-clc-ts-62441-2012)

<https://standards.iteh.ai/catalog/standards/sist/e720d695-9bee-4ff4-9dd8-35c0f5160fef/sist-ts-clc-ts-62441-2012>

TECHNICAL SPECIFICATION
SPÉCIFICATION TECHNIQUE
TECHNISCHE SPEZIFIKATION

CLC/TS 62441

February 2012

ICS 35.260; 97.020

Supersedes CLC/TS 62441:2007

English version

Safeguards against accidentally caused candle flame ignition for audio/video, communication and information technology equipment
(IEC/TS 62441:2011)

Mesures de protection contre l'embrasement accidentel dû à une flamme de bougie dans les équipements audio/vidéo, des technologies de la communication et de l'information (CEI/TS 62441:2011)

Schutzmaßnahmen gegen zufällige Entzündung von Geräten der Audio/Video-, Kommunikations- und Informationstechnologie durch Kerzenflamme (IEC/TS 62441:2011)

iTeh STANDARD PREVIEW
(standards.iteh.ai)

This Technical Specification was approved by CENELEC on 2012-01-23.

CENELEC members are required to announce the existence of this TS in the same way as for an EN and to make the TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

CENELEC

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

Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

This document (CLC/TS 62441:2012) consists of the text of IEC/TS 62441:2011 prepared by IEC/TC 108 "Safety of electronic equipment within the field of audio/video, information technology and communication technology".

This document supersedes CLC/TS 62441:2007.

CLC/TS 62441:2012 includes the following significant technical changes with respect to CLC/TS 62441:2007:

- acceptance of wood with a minimum thickness as equivalent to V-1;
- interpretation information regarding vertical surfaces.

The following print types are used:

- requirements proper and normative annexes: in roman type;
- *compliance statements and test specifications: in italic type;*
- notes/explanatory matter: in small roman type;
- terms that are defined in Clause 3: **bold**.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

Endorsement notice

The text of the International Standard IEC/TS 62441:2011 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 documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

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

iTech STANDARD PREVIEW
(standards.iteh.ai)

[SIST-TS CLC/TS 62441:2012
https://standards.iteh.ai/catalog/standards/sist/e720d695-9bee-4ff4-9dd8-35c0f5160fef/sist-ts-clc-ts-62441-2012](https://standards.iteh.ai/catalog/standards/sist/e720d695-9bee-4ff4-9dd8-35c0f5160fef/sist-ts-clc-ts-62441-2012)

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST-TS CLC/TS 62441:2012](https://standards.iteh.ai/catalog/standards/sist/e720d695-9bee-4ff4-9dd8-35c0f5160fef/sist-ts-clc-ts-62441-2012)

<https://standards.iteh.ai/catalog/standards/sist/e720d695-9bee-4ff4-9dd8-35c0f5160fef/sist-ts-clc-ts-62441-2012>



IEC/TS 62441

Edition 2.0 2011-02

TECHNICAL SPECIFICATION

SPÉCIFICATION TECHNIQUE



**Safeguards against accidentally caused candle flame ignition
for audio/video, communication and information technology equipment**

**Mesures de protection contre l'embrassement accidentel dû à une flamme de
bougie dans les équipements audio/video, des technologies de la
communication et de l'information**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

PRICE CODE
CODE PRIX



ICS 35.260; 97.020

ISBN 978-2-88912-364-3

CONTENTS

FOREWORD.....	3
INTRODUCTION.....	5
1 Scope.....	6
2 Normative references	6
3 Terms and definitions	6
4 Warning for users	7
5 Control of fire growth.....	8
5.1 General	8
5.2 Determination of candle flame accessible areas	8
5.3 Test methodology.....	9
5.3.1 Conditioning	9
5.3.2 Positioning the individual item	9
5.3.3 Ignition source.....	10
5.4 Test for sustained flaming	10
Bibliography.....	11
Figure 1 – Examples of candle flame accessible areas.....	9
Figure 2 – Positioning of the needle flame burner.....	10

(standards.iteh.ai)

SIST-TS CLC/TS 62441:2012

<https://standards.iteh.ai/catalog/standards/sist/e720d695-9bee-4ff4-9dd8-35c0f5160fef/sist-ts-clc-ts-62441-2012>

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested IEC National Committees.
- 3) IEC Publications have the form of recommendations for international use and are accepted by IEC National Committees in that sense. While all reasonable efforts are made to ensure that the technical content of IEC Publications is accurate, IEC cannot be held responsible for the way in which they are used or for any misinterpretation by any end user.
- 4) In order to promote international uniformity, IEC National Committees undertake to apply IEC Publications transparently to the maximum extent possible in their national and regional publications. Any divergence between any IEC Publication and the corresponding national or regional publication shall be clearly indicated in the latter.
- 5) IEC itself does not provide any attestation of conformity. Independent certification bodies provide conformity assessment services and, in some areas, access to IEC marks of conformity. IEC is not responsible for any services carried out by independent certification bodies.
- 6) All users should ensure that they have the latest edition of this publication.
- 7) No liability shall attach to IEC or its directors, employees, servants or agents including individual experts and members of its technical committees and IEC National Committees for any personal injury, property damage or other damage of any nature whatsoever, whether direct or indirect, or for costs (including legal fees) and expenses arising out of the publication, use of, or reliance upon, this IEC Publication or any other IEC Publications.
- 8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
- 9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

The main task of IEC technical committees is to prepare International Standards. In exceptional circumstances, a technical committee may propose the publication of a technical specification when

- the required support cannot be obtained for the publication of an International Standard, despite repeated efforts, or
- 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.