

### SLOVENSKI STANDARD SIST EN 62503:2008

01-december-2008

Večpredstavnostna kakovost - Metoda ocenjevanja sinhronizacije pri avdiu in videu (IEC 62503:2008)

Multimedia quality - Method of assessment of synchronization of audio and video (IEC 62503:2008)

Multimedia-Qualität - Verfahren zur Beurteilung der Synchronisation von Ton und Bild (IEC 62503:2008) **iTeh STANDARD PREVIEW** 

Qualité des dispositifs multimedia - Méthode d'évaluation de la synchronisation des flux audio et video (CEI 62503:2008)

https://standards.iteh.ai/catalog/standards/sist/2d06437e-870e-4d1a-9c6e-

Ta slovenski standard je istoveten z: EN 62503-2008

ICS:

33.160.60 Večpredstavni (multimedijski) Multimedia systems and

sistemi in oprema za teleconferencing equipment

telekonference

SIST EN 62503:2008 en

**SIST EN 62503:2008** 

# iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN 62503:2008

**EUROPEAN STANDARD** 

EN 62503

NORME EUROPÉENNE EUROPÄISCHE NORM

October 2008

ICS 33.160.01

English version

# Multimedia quality Method of assessment of synchronization of audio and video

(IEC 62503:2008)

Qualité des dispositifs multimédia - Méthode d'évaluation de la synchronisation des flux audio et vidéo (CEI 62503:2008)

Multimedia-Qualität -Verfahren zur Beurteilung der Synchronisation von Ton und Bild (IEC 62503:2008)

### iTeh STANDARD PREVIEW

This European Standard was approved by CENELEC on 2008-10-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration 3:2008

https://standards.iteh.ai/catalog/standards/sist/2d06437e-870e-4d1a-9c6e-

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, 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 and the United Kingdom.

### **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

#### **Foreword**

The text of document 100/1277/CDV, future edition 1 of IEC 62503, prepared by Technical area 11, Quality for audio, video and multimedia systems, of IEC TC 100, Audio, video and multimedia systems and equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 62503 on 2008-10-01.

The following dates were fixed:

 latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement

(dop) 2009-07-01

 latest date by which the national standards conflicting with the EN have to be withdrawn

(dow) 2011-10-01

Annex ZA has been added by CENELEC.

### **Endorsement notice**

The text of the International Standard IEC 62503:2008 was approved by CENELEC as a European Standard without any modification.

# iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN 62503:2008

EN 62503:2008

Annex ZA (normative)

- 3 -

## 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 amendments) applies.

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

PublicationYearTitleEN/HDYearITU-R2002Methodology for the subjective assessment<br/>of the quality of television pictures--BT.500-11

# iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN 62503:2008

**SIST EN 62503:2008** 

# iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN 62503:2008



IEC 62503

Edition 1.0 2008-09

# INTERNATIONAL STANDARD

Multimedia quality Thethod of assessment of synchronization of audio and video (standards.iteh.ai)

SIST EN 62503:2008

https://standards.iteh.ai/catalog/standards/sist/2d06437e-870e-4d1a-9c6e-6a0aa95edd98/sist-en-62503-2008

INTERNATIONAL ELECTROTECHNICAL COMMISSION

PRICE CODE

M

ICS 33.160.01 ISBN 2-8318-9986-9

### CONTENTS

FΟ	REW	ORD	3
INT	ROD	UCTION	5
1	Scope		
2	Normative reference		
3	Terms and definitions		
4	Overview of methods of assessment		
5	Subjective assessment of lip sync		
	5.1	Items to be assessed	7
	5.2	Preparation of test video clips and test video sequence	8
		5.2.1 Selection of content of a test video clip	8
		5.2.2 Creation of a test video sequence	
	5.3	Procedures and condition for assessment of lip sync at the section 3-3'	
	5.4	Reporting of the result of assessment	
6	Data processing		
	6.1	Items to be assessed	
	6.2	Method of assessment	
Bib	6.3 liogra	Reporting of the result of estimation	11 12
	J		
Fig	ure 1	- Overview(standards.iteh.ai)	7
Fig	ure 2	- Preparation of test video clips with time shifted audio	8
		<ul> <li>An example of subjective assessment of lip sync</li> </ul>	
		<ul> <li>6a0aa95edd98/sist-en-62503<sup>2</sup>-2008</li> <li>Normalized response for grading impairment caused by lip sync mismatch</li> </ul>	
Tab	ole 1 -	<ul> <li>Five-grade impairment scale and explanation of subjective opinion score</li> </ul>	9

### INTERNATIONAL ELECTROTECHNICAL COMMISSION

# MULTIMEDIA QUALITY – METHOD OF ASSESSMENT OF SYNCHRONIZATION OF AUDIO AND VIDEO

### **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 provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with an EC Publication 106437e-870e-4d1a-9c6e-
- 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.

International Standard IEC 62503 has been prepared by technical area 11: Quality for audio, video and multimedia systems, of IEC technical committee 100: Audio, video and multimedia systems and equipment.

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

CDV	Report on voting
100/1277/CDV	100/1358/RVC

Full information on the voting for the approval of this standard 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.