

SLOVENSKI STANDARD SIST EN 62605:2017

01-maj-2017

Nadomešča:

SIST EN 62605:2011

Večpredstavnostni sistemi in oprema - Večpredstavnostne tehnologije za ezaložništvo in e-knjige - Izmenjevalni format za e-slovarje (IEC 62605:2016)

Multimedia systems and equipment - Multimedia e-publishing and e-books technologies - Interchange format for e-dictionaries (IEC 62605:2016)

Multimediageräte und -systeme - Multimedia e-publishing und e-books - Austauschformat für elektronische Wörterbücher (IEC 62605:2016)

Systèmes et équipements multimedia <u>Rublication et</u> livres électroniques multimedia - Format d'échange pour les dictionnaires électroniques (IEC 62605:2016)

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33.160.60	Večpredstavni (multimedijski) sistemi in oprema za telekonference	Multimedia systems and teleconferencing equipment
35.240.30	Uporabniške rešitve IT v informatiki, dokumentiranju in založništvu	IT applications in information, documentation and publishing

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EUROPEAN STANDARD

EN 62605

NORME EUROPÉENNE

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English Version

Multimedia systems and equipment - Multimedia e-publishing and e-books - Interchange format for e-dictionaries (IEC 62605:2016)

Systèmes et équipements multimedia - Publication et livres électroniques multimedia - Format d'échange pour les dictionnaires électroniques (IEC 62605:2016) Multimediageräte und -systeme - Multimedia e-publishing und e-books - Austauschformat für elektronische Wörterbücher (IEC 62605:2016)

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

EN 62605:2016

European foreword

The text of document 100/2430/CDV, future edition 2 of IEC 62605, prepared by Technical Area 10 "Multimedia e-publishing and e-book technologies" of IEC/TC 100 "Audio, video and multimedia systems and equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62605:2016.

The following dates are fixed:

•	latest date by which the document has to be	(dop)	2017-05-18
	implemented at national level by		
	publication of an identical national		
	standard or by endorsement		

 latest date by which the national standards conflicting with the document have to be withdrawn

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In the official version, for Bibliography, the following notes have to be added for the standards indicated:

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IEC 62448:2013 https://standards.iteh.NQTEalogHarmonizedias.EN 62448:2014-4e0b-8d72-

ac3b7f9005f3/sist-en-62605-2017

ISO 3166-1 NOTE Harmonized as EN ISO 3166-1.

EN 62605:2016

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

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

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IEC 62605

Edition 2.0 2016-02

INTERNATIONAL STANDARD

Multimedia systems and equipment - Multimedia e-publishing and e-books - Interchange format for e-dictionaries rds.iteh.ai)

<u>SIST EN 62605:2017</u> https://standards.iteh.ai/catalog/standards/sist/ec93c9bb-c377-4e0b-8d72-ac3b7f9005f3/sist-en-62605-2017

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

MULTIMEDIA SYSTEMS AND EQUIPMENT – MULTIMEDIA E-PUBLISHING AND E-BOOKS – INTERCHANGE FORMAT FOR E-DICTIONARIES

FOREWORD

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International Standard IEC 62605 has been prepared by technical area 10: Multimedia e-publishing and e-book technologies, of IEC technical committee 100: Audio, video and multimedia systems and equipment.

This second edition cancels and replaces the first edition published in 2011. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition.

- a) Ref element is added to facilitate cross reference between entries.
- b) A new version of LeXML format, which is one of the base formats of the first edition, has been expanded and becomes Annex B. (The existing format becomes Annex A.)

-6-

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

CDV	Report on voting
100/2430/CDV	100/2506/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.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC website under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- · amended.

A bilingual version of this publication may be issued at a later date.

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INTRODUCTION

Markets for multimedia e-books and e-publishing require standardization of formats for e-book data interchange among associated people, authors, data preparers, publishers and readers. The formats are classified into submission format, interchange format and reader's format. The submission format supports an interaction between authors and data preparers. The reader's format depends on e-publishing equipment. The interchange format provides an interchange format for data preparers and publishers and therefore should be e-publishing equipment independent.

The International Electrotechnical Commission (IEC) draws attention to the fact that it is claimed that compliance with this document may involve the use of patents.

IEC takes no position concerning the evidence, validity and scope of this patent right.

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MULTIMEDIA SYSTEMS AND EQUIPMENT – MULTIMEDIA E-PUBLISHING AND E-BOOKS – INTERCHANGE FORMAT FOR E-DICTIONARIES

1 Scope

This International Standard specifies the interchange format for e-dictionaries among publishers, content creators and manufacturers.

This International Standard does not address the following aspects:

- data formats for reading devices;
- elements necessary for final print reproduction only;
- rendering issues related to physical devices;
- · security issues such as DRM for documents.

2 Normative references

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.

IEC TS 62229:2006, Multimedia systems and equipment – Multimedia e-publishing and e-book – Conceptual model for multimedia e-publishing

3 Terms and definitions

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

3.1

manufacturer

organization or person that manufactures hardware and/or software of the e-book

4 Position and requirements for interchange format for e-dictionaries

4.1 Interchange format for e-dictionaries in contents creation/distribution model

The conceptual model for multimedia e-publishing (IEC TS 62229) defines a contents creation/distribution model shown in Figure 1.

Kev

- (1) content data in submission format
- (2) content data in interchange format
- (3) content data in reader's format

Figure 1 - Contents creation/distribution model

It should be noted that the role of manufacturers of e-dictionary hardware and software overlaps that of the publisher in Figure 1. Therefore, a slightly modified model will be assumed for this International Standard, as shown in Figure 2.

Figure 2 - Contents creation/distribution model (modified)

This International Standard specifies the interchange format between data preparers and publishers, i.e. a format for (2) in Figure 2, though it may be used as a reader's format.

4.2 Requirements for interchange format for e-dictionaries

An interchange format for e-dictionaries needs to address the following.

- Description of keywords, links from the keywords to entries (link data) and the order of the entries.
- Description of articles for each entry (entry data). This includes text, image, and other multimedia functionalities generally required for e-books.
- Description of bibliographical data and other data. This should include the name of the author and the publisher, the title of the content and the explanatory note. The relationship between these concepts is visually represented in Figure 3.
- Description of contents written in various languages.

iTeh STANDARD PREVIEW (standards.iteh.ai) Entry 1 keyword 1 title keyword 2 c93c9bb-c377-4e0b author name keyword 3 and publisher name explanatory note keyword n Entry n : Entries and Keywords Link data Bibliographical data, etc. their order

Figure 3 - Relationship between concepts

5 File formats

This International Standard defines two XML-based formats. One is based on XMDF (as described in IEC 62448:2013, Annex B) and LeXML. The format is hereafter called XMDF-LeXML format. The other is based solely on LeXML 3.0. They are presented in Annex A and Annex B, respectively.

NOTE LeXML is proposed by Digital ASSIST Ltd. Its original specifications are found at http://www.d-assist.com/index.html (in Japanese).

IEC