

SLOVENSKI STANDARD SIST EN 62605:2011

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Večpredstavnostni sistemi in oprema - Večpredstavnostno e-založništvo in eknjige – Izmenjevalni format za e-slovarje

Multimedia systems and equipment - Multimedia e-publishing and e-books - Interchange format for e-dictionaries (IEC 62605:2011)

Multimediasysteme und -geräte - E-Publishing und E-Books für Multimedia-Anwendungen - Austauschformat für E-Wörterbücher (IEC 62605:2011)

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Systèmes et équipements multimédia - Publication et livres électroniques multimédia - Format d'échange pour les dictionnaires électroniques (CEI 62605:2011)

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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 EUROPÄISCHE NORM

August 2011

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English version

Multimedia systems and equipment -Multimedia e-publishing and e-books -Interchange format for e-dictionaries

(IEC 62605:2011)

Systèmes et équipements multimédia -Publication et livres électroniques multimédia -Format d'échange pour les dictionnaires électroniques (CEI 62605:2011) Multimediasysteme und -geräte -E-Publishing und E-Books für Multimedia-Anwendungen -Austauschformat für E-Wörterbücher (IEC 62605:2011)

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

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Foreword

The text of document 100/1829/FDIS, future edition 1 of IEC 62605, prepared by technical area 10: Multimedia e-publishing and e-book, 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 62605:2011.

The following dates are fixed:

latest date by which the document has to be 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 latest date by which the national standards conflicting with the document have to be withdrawn
 2012-05-15 (dop)
 2014-08-15 (dow)

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

IEC 62448:2009 NOTE Harmonized as EN 62448:2009 (not modified).

SIST EN 62605:2011

ISO 3166-1 https://sNOTE dHarmonized las EN ISO 3166:15bf2bf5b-b491-46c5-9959-

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EN 62605:2011

Annex ZA (normative)

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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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	EN/HD	<u>Year</u>
IEC/TS 62229	2006	Multimedia systems and equipment - Multimedia e-publishing and e-book -	-	-
		Conceptual model for multimedia e-publishing	מ	

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IEC 62605

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

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

Systèmes et équipements multimédia - Publication et livres électroniques multimédia - Format d'échange pour les dictionnaires électroniques

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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, of IEC technical committee 100: Audio, video and multimedia systems and equipment.

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

FDIS	Report on voting
100/1829/FDIS	100/1863/RVD

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.

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The committee has decided that the contents of this publication will remain unchanged until stability 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

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

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INTRODUCTION

Markets for multimedia e-book 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.

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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 document.

2 Normative references

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.

IEC/TS 62229:2006, Multimedia systems and equipment – Multimedia e-publishing and e-book – Conceptual model for multimedia e-publishing https://standards.iich.arcatalog/standards/sis/5bf2bf5b-b491-46c5-9959-4ff4dfd1b005/sist-en-62605-2011

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.

Author
$$<--(1)-->$$
 Data preparer $<--(2)-->$ Publisher $--(3)-->$ Reader

IEC 1383/11

Key

- (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.

 REVIEW

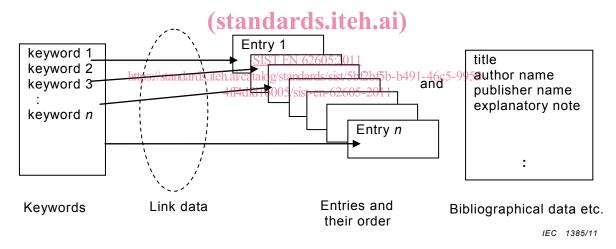


Figure 3 - Relationship between concepts

5 File format

This International Standard is based on XMDF (as described in IEC 62448:2009, Annex B) and LeXML. The standard format is represented in XML and hereafter called XMDF-LeXML format.

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