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TECHNICAL
SPECIFICATION

Multimedia systems and equipment – Multimedia e-publishing and e-book – Conceptual model for multimedia e-publishing

INTERNATIONAL

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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MULTIMEDIA SYSTEMS AND EQUIPMENT – MULTIMEDIA E-PUBLISHING AND E-BOOK – CONCEPTUAL MODEL FOR MULTIMEDIA E-PUBLISHING

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

IEC 62229, which is a technical specification, has been prepared by IEC technical committee 100: Audio, video and multimedia systems and equipment.

This second edition cancels and replaces the first edition published in 2006. This edition constitutes a technical revision.

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

a) Annexes D and E have been added;

b) Clause 5.6 has been added.

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

Enquiry draft	Report on voting
100/2818/DTS	100/2870/RVDTS

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 document 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

- transformed into an International standard,
- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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

INTRODUCTION

Enlarging the size of the international and domestic markets for multimedia e-publishing and e-books requires standardization of their related technology. As a first step to the discussion and standardization of the technology, a conceptual model for the technology should be established and standardization issues should be clarified. The conceptual model includes all the e-publishing components and their functionality and clarifies the relationships between them. These clarifications are essential for the development of standards for e-publishing and e-book technology and are required by associated industries and users.

MULTIMEDIA SYSTEMS AND EQUIPMENT – MULTIMEDIA E-PUBLISHING AND E-BOOK – CONCEPTUAL MODEL FOR MULTIMEDIA E-PUBLISHING

1 Scope

This document describes a conceptual model for multimedia e-publishing and e-book. The conceptual model is specified from the standardization point of view in order to clarify the functionality of e-publishing/e-book components and the relationships between them and to define e-publishing services.

The model provides the key technology to be standardized in the e-publishing environment. The modelling is not intended for actual implementation of a system or system components for e-publishing. The modelling is expected to be used as a reference for discussing and developing new standardization work on multimedia e-publishing and e-books and, therefore, to contribute to the expansion of the international and domestic markets for multimedia e-publishing and e-book.

The model is given as an example of the models for the multimedia data creation, data structure, equipment/system structure and user-system interface defined in IEC 61998.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 61998:2015, *Model and framework for standardization in multimedia equipment and systems*

ISO/IEC 19757-2:2008, *Information technology – Document Schema Definition Language (DSDL) – Part 2: Regular-grammar-based validation – RELAX NG*

Extensible Markup Language (XML) 1.0 (Third Edition), W3C Rec., 2004-02-04

NOTE Extensible Markup Language (XML) is a subset of ISO 8879:1986 (SGML) amended by its Technical Corrigendum 2.