

SLOVENSKI STANDARD SIST EN 62665:2012

01-oktober-2012

Večpredstavnostni sistemi in oprema - Večpredstavnostne tehnologije za ezaložništvo in e-knjige - Besedno vodilo za predstavitev tiskanega besedila slušateljem

Multimedia systems and equipment - Multimedia e-publishing and e-books technologies -Texture map for auditory presentation of printed texts

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Systèmes et appareils multimédia - Technologies de l'édition électronique multimédia et des livres électroniques - Carte de texture pour la présentation auditive de textes imprimés https://standards.iteh.ai/catalog/standards/sist/09cd985c-c16f-48ae-8b34-

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Multimedia systems and equipment -Multimedia e-publishing and e-book technologies -Texture map for auditory presentation of printed texts (IEC 62665:2012)

Systèmes et appareils multimédia -Technologies de l'édition électronique multimédia et des livres électroniques -Carte de texture pour la présentation auditive de textes imprimés (CEI 62665:2012) Multimediasysteme und -geräte -Multimedia E-Publishing und E-Book-Technologien -Textur-Abbildung für die auditive Umsetzung von gedruckten Texten (IEC 62665:2012)

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The text of document 100/1882/CDV, future edition 1 of IEC 62665, 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 62665:2012.

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	(dop)	2013-03-13
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INTERNATIONAL STANDARD

NORME INTERNATIONALE



Multimedia systems and equipment - Multimedia e-publishing and e-book technologies – Texture map for auditory presentation of printed texts

Systèmes et appareils multimédia multimédia et dessivres électroniques de texture pour la présentation auditive de textes imprimés f0fcc4ed764d/sist-en-62665-2012

INTERNATIONAL ELECTROTECHNICAL COMMISSION

COMMISSION ELECTROTECHNIQUE INTERNATIONALE

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

MULTIMEDIA SYSTEMS AND EQUIPMENT – MULTIMEDIA E-PUBLISHING AND E-BOOK TECHNOLOGIES – TEXTURE MAP FOR AUDITORY PRESENTATION OF PRINTED TEXTS

FOREWORD

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International Standard IEC 62665 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.

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

CDV	Report on voting
100/1882/CDV	100/1923/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 web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

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- reconfirmed,
- withdrawn,
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- amended.

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INTRODUCTION

Information interchange via printed documents between blind or visually impaired people has been carried out by using Braille. However, in order to be able to read Braille, particular training is required. Learning Braille is very difficult for aged as well as visually non-impaired people.

Printed documents with texts and text-encoded texture maps can be interchanged by ordinary circulation or publication mechanisms. They are readable as ordinary printed materials and comprehensible by blind or visually impaired people with the support of decoding and auditory presentation equipment.

Today, interchanging of printed documents has become wide-spread and international. The text-encoding scheme to generate a texture map should therefore be standardized at an international level.

Patents

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 as listed below:

PATENT No. 3499220 (Japan)

PATENT No. 4439756 (Japan) PATENT No. 4744745 (Japan)

PATENT No. 4772631 (Japan standards.iteh.ai)

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MULTIMEDIA SYSTEMS AND EQUIPMENT – MULTIMEDIA E-PUBLISHING AND E-BOOK TECHNOLOGIES – TEXTURE MAP FOR AUDITORY PRESENTATION OF PRINTED TEXTS

1 Scope

This International Standard specifies

- a text encoding scheme to generate a texture map;
- a physical shape and dimension of the texture map for printing;
- additional features for texture map printing;
- texture map decoding and an auditory presentation of decoded texts.

These specifications enable the interchange of documents and publications between visually impaired and non-impaired people.

2 Terms and definitions

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

2.1

texture map

(standards.iteh.ai)

two dimensional cell pattern which includes alignment lines and a data matrix which is generated from text data compression and error correction encoding https://standards.iteh.ai/catalog/standards/sist/09cd985c-c16f-48ae-8b34-

f0fec4ed764d/sist-en-62665-2012

2.2

auditory presentation equipment

software engine to convert text to speech

3 Shape of texture map

3.1 Names of parts

The shape of a texture map and the name of each part are indicated in Figure 1.

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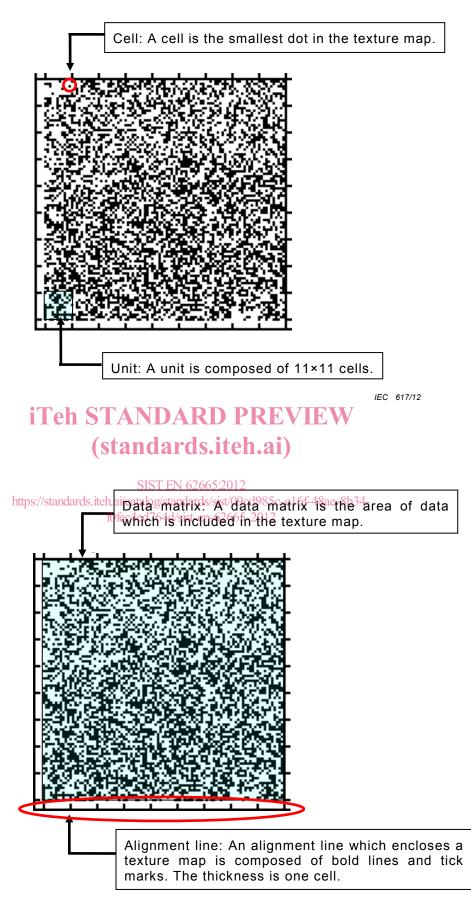


Figure 1 – Names of parts of the texture map

IEC 618/12