

<b>STN</b>	<b>Audiozariadenia, videozariadenia a multimedialne systémy</b> <b>Technológie multimedialneho e-publikovania a e-knÍh</b> <b>E-knihy založené na obrázkoch rastrovej grafiky</b>	<b>STN</b> <b>EN 63029</b>  36 8375
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Audio, video and multimedia systems and equipment - Multimedia e-publishing and e-book technologies - Raster-graphics image-based e-books

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 02/18

Obsahuje: EN 63029:2017, IEC 63029:2017

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Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky, 2018  
Podľa zákona č. 264/1999 Z. z. o technických požiadavkách na výrobky a o posudzovaní zhody a o zmene a doplnení niektorých zákonov v znení neskorších predpisov sa slovenská technická norma a časti slovenskej technickej normy môžu rozmnožovať alebo rozširovať len so súhlasom slovenského národného normalizačného orgánu.

EUROPEAN STANDARD

**EN 63029**

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2017

ICS 33.160.99; 35.140; 35.240.30

English Version

Audio, video and multimedia systems and equipment -  
Multimedia e-publishing and e-book technologies - Raster-  
graphics image-based e-books  
(IEC 63029:2017)

Systèmes et équipements audio, vidéo et multimédias -  
Technologies multimédias pour la publication au format  
numérique et les livres numériques - Livres numériques  
basés sur des images à balayage de trames  
(IEC 63029:2017)

Audio-, Video- und Multimediasysteme, -Geräte und -  
Komponenten - Multimedia-E-Publishing und -E-Book-  
Technologien - Rastergrafikbasierte E-Books  
(IEC 63029:2017)

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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**

## **European foreword**

The text of document 100/2817/CDV, future edition 1 of IEC 63029, prepared by IEC/TC 100 "Audio, video and multimedia systems and equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 63029:2017.

The following dates are fixed:

- latest date by which the document has to be (dop) 2018-05-16  
implemented at national level by  
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## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

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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](http://www.cenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61966-2-1	-	Multimedia systems and equipment - Colour measurement and management -- Part 2-1: Colour management - Default RGB colour space - sRGB	EN 61966-2-1	-
ISO 12639	-	Graphic technology -- Prepress digital data - exchange -- Tag image file format for image technology (TIFF/IT)		-



# INTERNATIONAL STANDARD



**Audio, video multimedia systems and equipment – Multimedia e-publishing and e-book technologies – Raster-graphics image-based e-books**





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IEC Central Office  
 3, rue de Varembe  
 CH-1211 Geneva 20  
 Switzerland

Tel.: +41 22 919 02 11  
 Fax: +41 22 919 03 00  
[info@iec.ch](mailto:info@iec.ch)  
[www.iec.ch](http://www.iec.ch)

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# INTERNATIONAL STANDARD



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**Audio, video multimedia systems and equipment – Multimedia e-publishing and e-book technologies – Raster-graphics image-based e-books**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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ICS 33.160.99; 35.140; 35.240.30

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## CONTENTS

FOREWORD.....	4
INTRODUCTION.....	6
1 Scope.....	7
2 Normative references .....	7
3 Terms and definitions .....	7
4 Raster-graphic image-based e-book .....	7
4.1 General.....	7
4.2 Target sourcebook .....	8
5 Scanning scheme .....	8
5.1 Cutting the sourcebook .....	8
5.2 Scanning sourcebook.....	8
5.3 Setup/adjustment of image quality related parameters .....	9
5.3.1 Elimination of unintended density variation .....	9
5.3.2 Resolution .....	9
5.3.3 Highlight washout point.....	9
5.3.4 Tone curve adjustment / Black point setup.....	9
5.4 Post-processing / encoding .....	10
5.4.1 Post-processing.....	10
5.4.2 Encoding .....	10
Annex A (informative) Defect examples .....	11
A.1 Image loss .....	11
A.2 Image tilt.....	12
A.3 Show-through .....	13
A.4 Line image discontinuity.....	13
A.5 Moiré .....	14
A.6 Highlight washout .....	15
A.7 Highlight washout and unwanted shadow clipping .....	16
Bibliography.....	18
Figure 1 – Workflow for generating e-book from sourcebook.....	8
Figure 2 – Tone curve adjustment / Black point setup .....	10
Figure A.1 – An example of the double-page spread without image loss .....	11
Figure A.2 – An example of the double-page spread with image loss .....	12
Figure A.3 – An example of the text image without image tilt.....	12
Figure A.4 – An example of the text image with image tilt .....	12
Figure A.5 – An example of the text image without show through .....	13
Figure A.6 – An example of the text image with show through.....	13
Figure A.7 – An example of the text image without line image discontinuity .....	14
Figure A.8 – An example of the text image with line image discontinuity .....	14
Figure A.9 – An example of the photographic image without moiré.....	14
Figure A.10 – An example of the photographic image with moiré .....	15
Figure A.11 – An example of the business graphics image without highlight washout.....	15
Figure A.12 – An example of the business graphics image with highlight washout .....	16



Figure A.13 – An example of the photographic image without highlight washout and unwanted shadow clipping .....	16
Figure A.14 – An example of the photographic image with highlight washout .....	17
Figure A.15 – An example of the photographic image with unwanted shadow clipping .....	17

## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**AUDIO, VIDEO MULTIMEDIA SYSTEMS AND EQUIPMENT –  
MULTIMEDIA E-PUBLISHING AND E-BOOK TECHNOLOGIES –  
RASTER-GRAPHICS IMAGE-BASED E-BOOKS**

## FOREWORD

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International Standard IEC 63029 has been prepared by IEC technical committee 100: Audio, video and multimedia systems and equipment.

The text of this International Standard is based on the following documents:

CDV	Report on voting
100/2817/CDV	100/2918/RVC

Full information on the voting for the approval of this International Standard 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.

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## INTRODUCTION

Scanning of existing printed books is presently carried out widely to store their content in an electronic format: raster-graphics image-based e-books. The scanning includes number of parameters and sometimes results in poor-quality scanned data due to inappropriate parameter settings.

The scanning devices with storage memory and automatic document feeders enable swift production of raster-graphics image-based e-books with a brief procedure that does not require advanced skills and knowledge.

Scanning schemes can have many attributes which affect to the quality of raster-graphics image-based e-books, such as environmental conditions, sheet cutting/scanning operation, resolution, highlight washout point, tone curve adjustment/black point setup, post-processing and encoding. For example, inadequate selection of the scanning resolution can cause moiré in halftone images and discontinuation of lines in text images. The purpose of this document is to specify a scanning scheme for developing raster-graphics image-based e-books. When conforming to this document, a reasonable quality of raster-graphics image-based e-books is to be expected.

# AUDIO, VIDEO MULTIMEDIA SYSTEMS AND EQUIPMENT – MULTIMEDIA E-PUBLISHING AND E-BOOK TECHNOLOGIES – RASTER-Graphics IMAGE-BASED E-BOOKS

## 1 Scope

This document specifies the scanning scheme to develop raster-graphics image-based e-books from existing printed books.

## 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 61966-2-1, *Multimedia systems and equipment – Colour measurement and management – Part 2-1: Colour management – Default RGB colour space – sRGB*

ISO 12639, *Graphic technology – Prepress digital data exchange – Tag image file format for image technology (TIFF/IT)*

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