

PD ISO/IEC TS 30135-2:2014



BSI Standards Publication

# Information technology — Digital publishing — IPUB3

Part 2: Publications

**bsi.**

...making excellence a habit.™

### National foreword

This Published Document is the UK implementation of ISO/IEC TS 30135-2:2014.

The user's attention is drawn to the fact that the UK committee voted against this document at the enquiry stage. While considering the specification of EPUB to be technically sound, the committee had a number of concerns with the editorial quality of the specification, specifically the grouping of terms and definitions, the use of cross-references between parts, and the typographic layout of the document. The UK committee were concerned that this could present obstacles to interpretation by any user who had not participated in the development of EPUB and was unfamiliar with assumptions and interpretations made by other users.

The UK participation in its preparation was entrusted to Technical Committee ICT/-/1, Information systems co-ordination.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2015.

Published by BSI Standards Limited 2015.

ISBN 978 0 580 82300 8

ICS 35.240.30

### Compliance with a British Standard cannot confer immunity from legal obligations.

This Published Document was published under the authority of the Standards Policy and Strategy Committee on 31 January 2015.

### Amendments/corrigenda issued since publication

Date	Text affected
------	---------------

---

First edition  
2014-11-15

---

---

**Information technology — Digital  
publishing — EPUB3 —**

**Part 2:  
Publications**

*Technologies de l'information — Publications numériques — EPUB3 —  
Partie 2: Publications*

---

---

Reference number  
ISO/IEC TS 30135-2:2014(E)





**COPYRIGHT PROTECTED DOCUMENT**

© ISO/IEC 2014

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
Case postale 56 • CH-1211 Geneva 20  
Tel. + 41 22 749 01 11  
Fax + 41 22 749 09 47  
E-mail [copyright@iso.org](mailto:copyright@iso.org)  
Web [www.iso.org](http://www.iso.org)

Published in Switzerland

## Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of the joint technical committee is to prepare International Standards. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

In other circumstances, particularly when there is an urgent market requirement for such documents, the joint technical committee may decide to publish an ISO/IEC Technical Specification (ISO/IEC TS), which represents an agreement between the members of the joint technical committee and is accepted for publication if it is approved by 2/3 of the members of the committee casting a vote.

An ISO/IEC TS is reviewed after three years in order to decide whether it will be confirmed for a further three years, revised to become an International Standard, or withdrawn. If the ISO/IEC TS is confirmed, it is reviewed again after a further three years, at which time it must either be transformed into an International Standard or be withdrawn.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

ISO/IEC TS 30135 series were prepared by Korean Agency for Technology and Standards (as KS X 6070 series) with International Digital Publishing Forum and were adopted, under a special “fast-track procedure”, by Joint Technical Committee ISO/IEC JTC 1 information technology, in parallel with its approval by the national bodies of ISO and IEC.

ISO/IEC TS 30135 consists of the following parts, under the general title *Information technology — Document description and processing languages — EPUB 3*:

- Part 1: Overview
- Part 2: Publications
- Part 3: Content Documents
- Part 4: Open Container Format
- Part 5: Media Overlay
- Part 6: Canonical Fragment Identifier
- Part 7: Fixed-Layout Documents

# EPUB Publications 3.0



Recommended Specification 11 October 2011

## THIS VERSION

<http://www.idpf.org/epub/30/spec/epub30-publications-20111011.html>

## LATEST VERSION

<http://www.idpf.org/epub/30/spec/epub30-publications.html>

## PREVIOUS VERSION

<http://www.idpf.org/epub/30/spec/epub30-publications-20110908.html>

A diff of changes from the previous draft is available at [this link](#).

Please refer to the [errata](#) for this document, which may include some normative corrections.

Copyright © 2010, 2011 International Digital Publishing Forum™

All rights reserved. This work is protected under Title 17 of the United States Code. Reproduction and dissemination of this work with changes is prohibited except with the written permission of the [International Digital Publishing Forum \(IDPF\)](#).

EPUB is a registered trademark of the International Digital Publishing Forum.

## Editors

Markus Gylling, DAISY Consortium

William McCoy, International Digital Publishing Forum (IDPF)

Matt Garrish, Invited Expert

## TABLE OF CONTENTS

### [1. Overview](#)

- [1.1. Purpose and Scope](#)
- [1.2. Terminology](#)
- [1.3. Conformance Statements](#)

### [2. EPUB Publications](#)

- [2.1. Content Conformance](#)
- [2.2. Reading System Conformance](#)

### [3. Package Documents](#)

- [3.1. Introduction](#)
- [3.2. Content Conformance](#)
- [3.3. Reading System Conformance](#)
- [3.4. Package Document Definition](#)
  - [3.4.1. The `package` Element](#)
  - [3.4.2. The `metadata` Element](#)
  - [3.4.3. The `DCMES identifier` Element](#)
  - [3.4.4. The `DCMES title` Element](#)
  - [3.4.5. The `DCMES language` Element](#)
  - [3.4.6. The `DCMES Optional Elements`](#)
  - [3.4.7. The `meta` Element](#)
  - [3.4.8. The `meta` Element \(OPF2\) \[OBSOLETE\]](#)
  - [3.4.9. The `link` Element](#)
  - [3.4.10. The `manifest` Element](#)

- [3.4.11. The `item` Element](#)
- [3.4.12. The `spine` Element](#)
- [3.4.13. The `itemref` Element](#)
- [3.4.14. The `guide` Element \[DEPRECATED\]](#)
- [3.4.15. The `bindings` Element](#)
- [3.4.16. The `mediaType` Element](#)

#### [4. Package Metadata](#)

##### [4.1. Publication Identifiers](#)

- [4.1.1. Unique Identifier](#)
- [4.1.2. Package Identifier](#)

##### [4.2. Vocabulary Association Mechanisms](#)

- [4.2.1. Overview](#)
- [4.2.2. Default Vocabulary](#)
- [4.2.3. Reserved Vocabularies](#)
- [4.2.4. The `prefix` Attribute](#)
- [4.2.5. The `property` Data Type](#)

- [4.2.5.1. Syntax](#)
- [4.2.5.2. Processing](#)

##### [4.3. Package Metadata Vocabulary](#)

- [4.3.1. Overview](#)
- [4.3.2. Metadata `meta` Properties](#)
- [4.3.3. Metadata `link` Properties](#)
- [4.3.4. Manifest `item` Properties](#)
- [4.3.5. Spine `itemref` Properties](#)

#### [5. Publication Resources](#)

- [5.1. Core Media Types](#)
- [5.2. Restrictions and Fallbacks](#)
  - [5.2.1. Foreign Resource Restrictions](#)
  - [5.2.2. Manifest Fallbacks](#)
- [5.3. Publication Resource Locations](#)
- [5.4. XML Conformance](#)

##### [A. Package Document Schema](#)

##### [B. The `application/oebps-package+xml` Media Type](#)

##### [C. Acknowledgements and Contributors](#)

##### [References](#)

## > 1 Overview

---

### > 1.1 Purpose and Scope

#### **This section is informative**

This specification, EPUB Publications 3.0, defines publication-level semantics and conformance requirements for EPUB® 3, including the format of the Package Document and rules for how this document and other Publication Resources are associated to create a conforming EPUB Publication.

This specification is one of a family of related specifications that compose EPUB 3, the third major revision of an interchange and delivery format for digital publications based on XML and Web Standards. It is meant to be read and understood in concert with the other specifications that make up EPUB 3:

- The EPUB 3 Overview [[EPUB3Overview](#)], which provides an informative overview of EPUB and a roadmap to the rest of the EPUB 3 documents. The Overview should be read first.
- EPUB Content Documents 3.0 [[ContentDocs30](#)], which defines profiles of XHTML, SVG and CSS for use in the context of EPUB Publications.