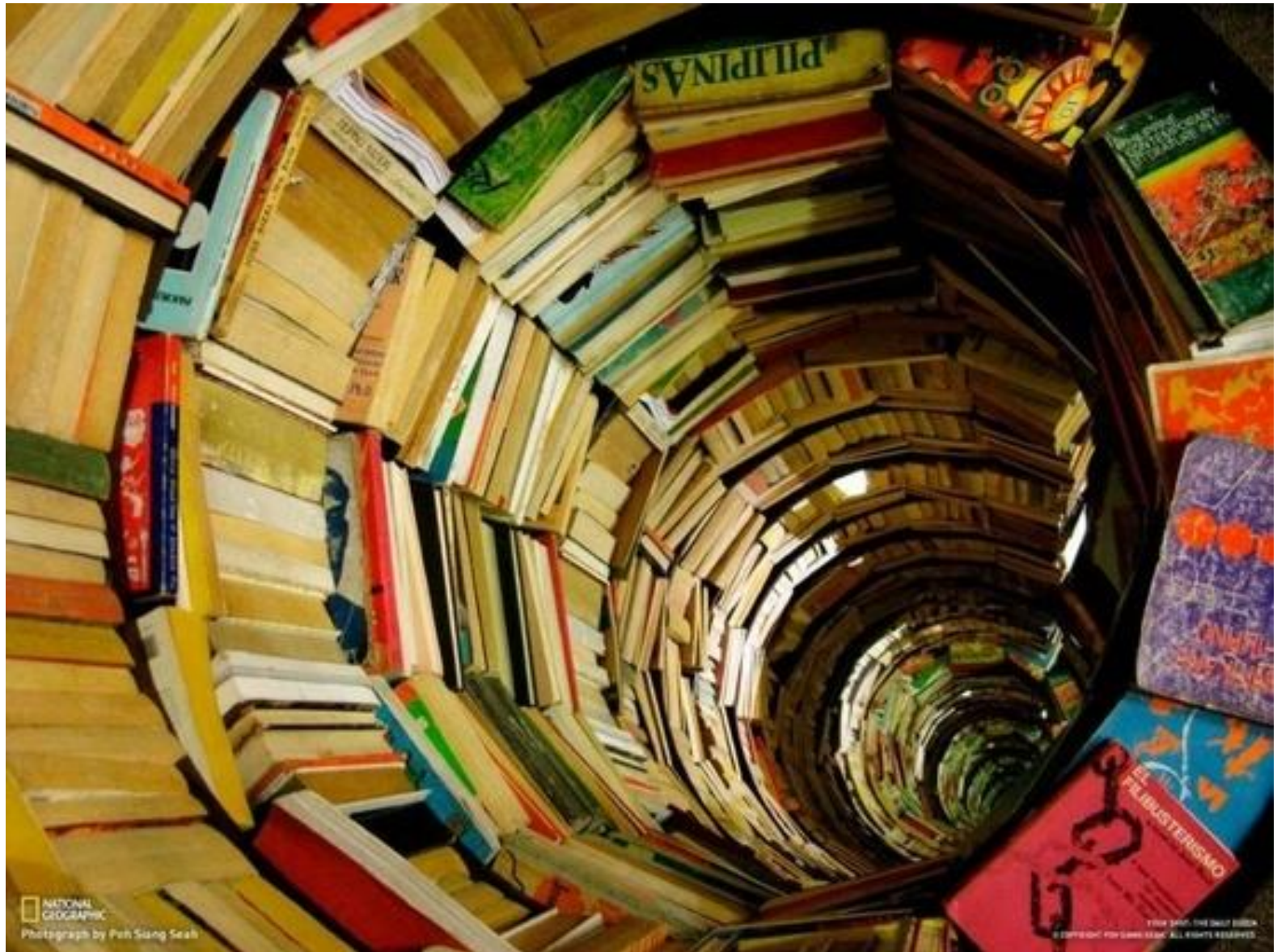




# Metadata in EPUB: The Rabbit Hole is Deeper Than You Think

@jtallent

@firebrandtech



# ONIX for eBooks

<ProductForm>EA</ProductForm>

<ProductFormDetail>E101</Product  
FormDetail>

<ProductFormDescription>EPUB</Pr  
oductFormDescription>

## <ProductForm>

EA = Digital content delivered electronically  
(delivery method unspecified)

EB = Digital content available both by  
download and by online access

EC = Digital content accessed online only

ED = Digital content delivered by download  
only

<ProductFormDetail>

E101 = EPUB

E116 = Amazon Kindle

E141 = iBook

E142 = ePIB

E145 = B&N Page Perfect

<ProductFormDetail>

E200 = Reflowable

E201 = Fixed format

E202 = Readable offline

E203 = Requires network connection

E204 = Content removed

<ProductFormDetail>

E210 = Fixed-format Landscape

E211 = Fixed-format Portrait

E222 = 4:3 aspect ratio

E223 = 3:2 aspect ratio

E224 = 16:10 aspect ratio

E225 = 16:9 aspect ratio



<ProductFormFeature>

Format version

Validators used

Accessibility features

```
<ProductFormFeature>  
  <ProductFormFeatureType>10  
    </ProductFormFeatureType>  
  <ProductFormFeatureValue>101B  
    </ProductFormFeatureValue>  
</ProductFormFeature>
```

101A = EPUB 2.0.1

101B = EPUB 3.0

101C = EPUB 3.0.1

116B = Kindle KF8

```
<ProductFormFeature>  
  <ProductFormFeatureType>16  
    </ProductFormFeatureType>  
  <ProductFormFeatureDescription>  
    EPUBCheck</ProductFormFeatureDe  
    scription>  
  <ProductFormFeatureValue>4.0.1  
    </ProductFormFeatureValue>  
</ProductFormFeature>
```

```
<ProductFormFeature>  
  <ProductFormFeatureType>09  
    </ProductFormFeatureType>  
  <ProductFormFeatureValue>11  
    </ProductFormFeatureValue>  
</ProductFormFeature>
```

- 11 = Table of contents navigation
- 12 = Index navigation
- 13 = Reading order
- 14 = Short alternative descriptions (alt text)
- 15 = Full alternative descriptions (ARIA)
- 16 = Visualised data also available as non-graphical (often tabular) data
- 17 = Accessible math content (MathML)
- 19 = Print-equivalent page numbering
- 20 = Synchronised pre-recorded audio (SMIL)
- 22 = Language tagging provided
- 96 = Publisher's web page for detailed accessibility information (in ProductFormFeatureDescription)
- 97 = Compatibility testing description (in ProductFormFeatureDescription)
- 99 = Publisher contact for further accessibility information (in ProductFormFeatureDescription)

- 11 = Table of contents navigation
- 13 = Reading order
- 14 = Short alternative descriptions (alt text)
- 15 = Full alternative descriptions (ARIA)
- 19 = Print-equivalent page numbering
- 22 = Language tagging provided

96 = Publisher's web page for detailed  
accessibility information (in  
ProductFormFeatureDescription)

97 = Compatibility testing description (in  
ProductFormFeatureDescription)

99 = Publisher contact for further  
accessibility information (in  
ProductFormFeatureDescription)

# OPF Metadata



```
<dc:title id="en_title" xml:lang="en-us">The Book of Texas</dc:title>
  <meta refines="#en_title" property="title-type">main</meta>
  <meta refines="#en_title" property="file-as">Book of Texas, The</meta>
<dc:identifier id="uid">9783141592658</dc:identifier>
  <meta refines="#uid" property="identifier-type"
    scheme="xsd:string">isbn</meta>
  <meta property="dcterms:modified">2016-04-01T10:02:00Z</meta>
<dc:language>en-us</dc:language>
<dc:date>2016-03-20T15:18:00Z</dc:date>
<dc:creator id="aut">John A. Lomax</dc:creator>
  <meta refines="#aut" property="role" scheme="marc:relators">aut</meta>
  <meta refines="#aut" property="file-as">Lomax, John A.</meta>
<dc:rights xml:lang="en-us">Copyright 2016 John A. Lomax</dc:rights>
<dc:publisher xml:lang="en-us">Flashpoint Books</dc:publisher>
<meta property="rendition:spread">auto</meta>
<meta property="ibooks:specified-fonts">true</meta>
<meta property="ibooks:version">1.1</meta>
<meta property="schema:accessibilityFeature">alternativeText</meta>
<meta property="schema:accessibilityFeature">readingOrder</meta>
<meta property="schema:accessibilityFeature">structuralNavigation</meta>
<meta property="schema:accessibilityFeature">tableOfContents</meta>
<meta property="schema:accessibilityFeature">unlocked</meta>
<meta property="schema:accessibilityHazard">noFlashingHazard</meta>
<meta property="schema:accessibilityHazard">noSoundHazard</meta>
<meta name="cover" content="coverimage" />
<link rel="onix-record" href="/metadata/9783141592658.xml"/>
```

```
<dc:title id="en_title"  
  xml:lang="en-us">The Book of  
  Texas</dc:title>  
  
<dc:identifier  
  id="uid">9783141592658</dc:iden  
  tifier>  
  
<dc:language>en-us</dc:language>
```

```
<dc:title id="en_title" xml:lang="en-us">The Book of Texas</dc:title>
<meta refines="#en_title"
property="title-type">main</meta>
<meta refines="#en_title"
property="file-as">Book of Texas,
The</meta>
<dc:identifier
id="uid">9783141592658</dc:identifier>
<meta refines="#uid"
property="identifier-type"
scheme="xsd:string">isbn</meta>
<meta property="dcterms:modified">2016-
04-01T10:02:00Z</meta>
<dc:language>en-us</dc:language>
```

```
<package version="3.0"
  xmlns="http://www.idpf.org/2007
  /opf" unique-identifier=
  "bookid">
```

```
<metadata ...>
```

```
<dc:identifier id="bookid">
  urn:uuid:390876DF-0369-47FA-
  93B9-06317FD92423
</dc:identifier>
```

```
<dc:identifier>9783141592658
</dc:identifier>
```

```
<package version="3.0"
  xmlns="http://www.idpf.org/2007
/opf" unique-identifier=
  "bookid">
<metadata ...>
<dc:identifier id="bookid">
  9783141592658</dc:identifier>
<meta refines="#bookid"
  property="identifier-type"
  scheme="xsd:string">isbn</meta>
```

```
<dc:date>2016-03-  
  20T15:18:00Z</dc:date>  
<dc:creator id="aut">John A.  
  Lomax</dc:creator>  
  <meta refines="#aut" property="role"  
    scheme="marc:relators">aut</meta>  
  <meta refines="#aut" property="file-  
    as">Lomax, John A.</meta>  
<dc:rights xml:lang="en-us">Copyright  
  2016 John A. Lomax</dc:rights>  
<dc:publisher xml:lang="en-  
  us">Flashpoint Books</dc:publisher>  
<dc:description xml:lang="en-us">Lorem  
  ipsum...</dc:publisher>
```

```
<meta  
  property="rendition:spread">auto</meta>
```

```
<meta  
  property="ibooks:specified-  
  fonts">true</meta>
```

```
<meta  
  property="ibooks:version">1.1</  
  meta>
```

```
<meta name="cover"  
  content="coverimage" />
```

```
<meta property="schema:accessibilityFeature">  
  alternativeText</meta>  
<meta property="schema:accessibilityFeature">  
  readingOrder</meta>  
<meta property="schema:accessibilityFeature">  
  structuralNavigation</meta>  
<meta property="schema:accessibilityFeature">  
  tableOfContents</meta>  
<meta property="schema:accessibilityFeature">  
  unlocked</meta>  
<meta property="schema:accessibilityHazard">  
  noFlashingHazard</meta>  
<meta property="schema:accessibilityHazard">  
  noSoundHazard</meta>
```



alternativeText

audioDescription

braille

captions

ChemML

displayTransformability

enhancedAudio

highContrast

largePrint

latex

longDescription

MathML

resizeText

signLanguage

structuralNavigation

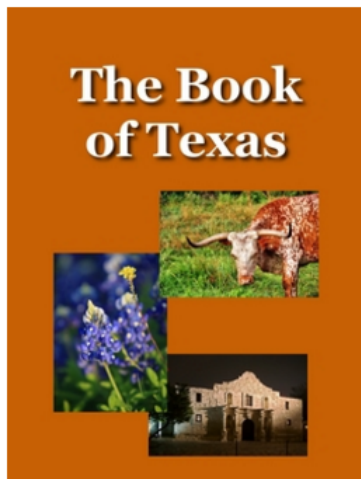
tactileGraphic

tactileObject

transcript

```
<link rel="onix-record"  
  href="/metadata/9783141592658.xml"/>
```

```
<link rel="onix-record"  
  href="http://flashpointpub.com/  
  metadata/9783141592658.xml"/>
```

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[Metadata](#)
[Validation](#) ✓

[Best Practices](#) ✓

[Retailer Grid](#)

## The Book of Texas

**File:** BookOfTexas\_EPUB3\_backwards\_v2.0.3.epub

**Author:** John A. Lomax; Joshua Tallent

**Format:** EPUB 3 Reflowable

### Title Information

Title:	<input type="text" value="The Book of Texas"/>		
File as:	<input type="text" value="Book of Texas, The"/>		
Subtitle:	<input type="text"/>		
Identifier:	<input type="text" value="9783141592658"/>	ID Type:	<input type="text" value="isbn"/>
Publication Date:	<input type="text" value="2014-04-23"/>	Date Modified:	<input type="text" value="2015-02-26T11:36:00Z"/>
Publisher:	<input type="text" value="eBook Architects"/>		
Language:	<input type="text" value="English (US)"/>		


[+ Add](#)

[+ Add](#)

### Creators

Role:	<input type="text" value="Author"/>	Name:	<input type="text" value="John A. Lomax"/>	File as:	<input type="text" value="Lomax, John A."/>	
Role:	<input type="text" value="Book designer"/>	Name:	<input type="text" value="Joshua Tallent"/>	File as:	<input type="text" value="Tallent, Joshua"/>	 <a href="#">+ Add</a>

### Contributors

Contributors whose contributions are secondary to those listed in creator elements should be named in contributor elements. The specifications have more information for both [EPUB 2](#) and [EPUB 3](#).

Role:	<input type="text"/>	Name:	<input type="text"/>	File as:	<input type="text" value="Lastname, Firstna"/>	 <a href="#">+ Add</a>
-------	----------------------	-------	----------------------	----------	--	---

# Semantic Markup

<cite>

<section>

<article>

<figure>

```
<figure>

<figcaption>The Alamo, San Antonio
<aside class="hidden"
    id="capt_image01">The picture shows
    the Alamo as seen in the early 20th
    century. It is seen in grayscale with
    a wrought iron fence in the
    forefront.</aside>
</figcaption>
</figure>
```

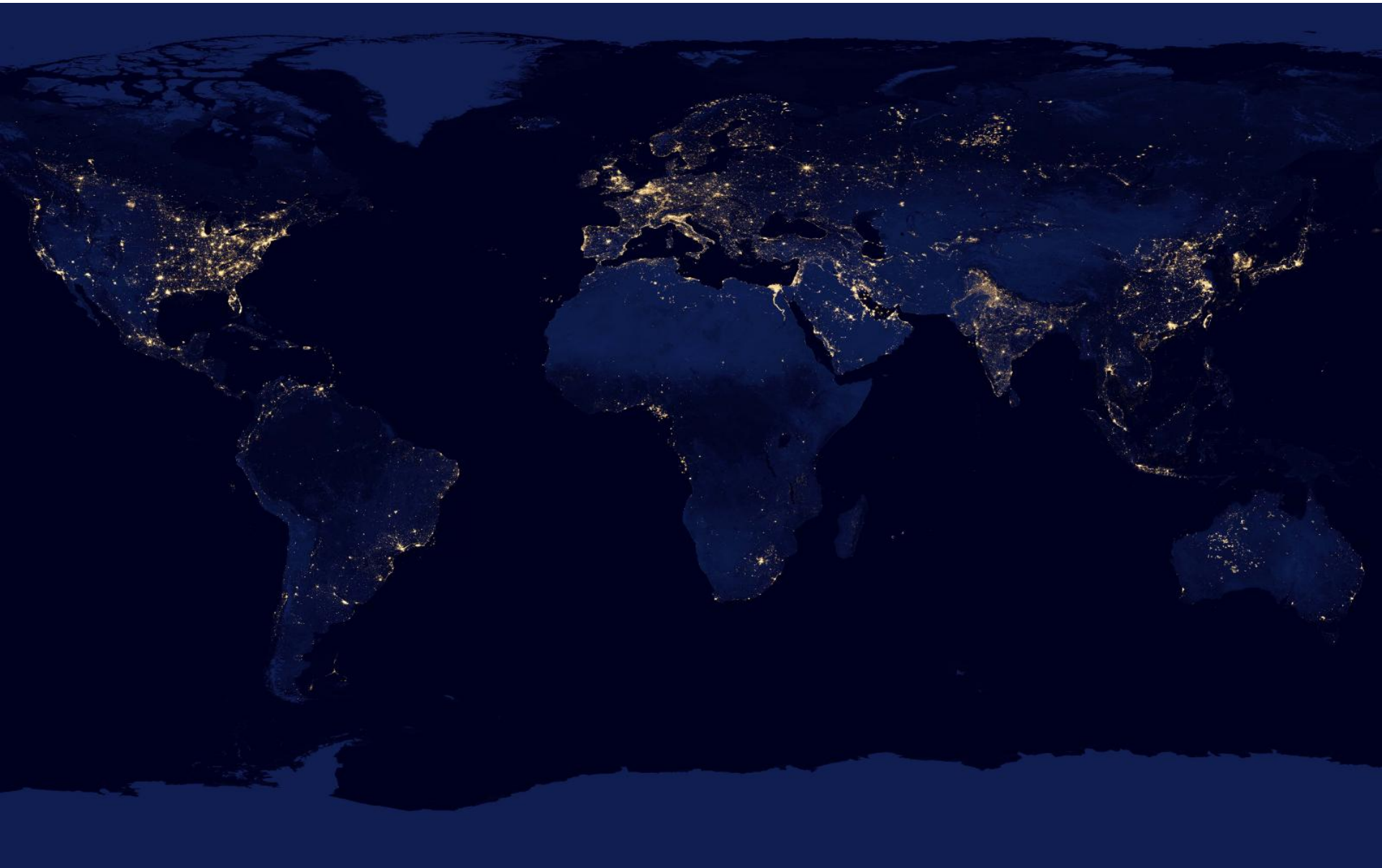
epub:type



~~epub:type~~  
role

# Microdata

## RDFa 1.1



[Schema.org Accessibility for OPF Files](#)

[ONIX Accessibility](#)

[Wiley Accessibility Information Page](#)

[ARIA Document Structure Roles](#)

[EPUB Structural Semantics Vocabulary](#)

[HTML Microdata](#)

[RDF 1.1 Primer](#)

[RDFa 1.1 + HTML](#)



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<https://github.com/jstallent/misc-files>