

# EPUB 3

# future directions for the global open standard

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#### International Digital Publishing Forum

International Trade and Standards Organization for the Digital Publishing Industry



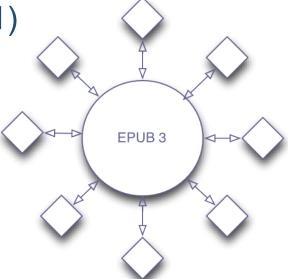


#### **EPUB 3.0**

EPUB 3.0 released October 2011

Maintenance release work (3.01)

starting autumn 2012



- IDPF adopting a <u>modular</u> evolution model
  - Specialized functionality on top of the EPUB 3 base





### Current projects (2012)

- Fixed Layout (done!)
- Advanced Adaptive ("Liquid") Layout
- Dictionaries & Glossaries
- Indexes

http://idpf.org/ongoing





http://idpf.org/epub/fxl/







- Standardized based on Apple Fixed Layout
- New description metadata
- One page per spine item
- Spread support & control
- Accessibility
  - Variable
  - Images
  - SVG
  - Placed markup





```
<?xml version="1.0" encoding="UTF-8"?>
<display_options>
   <platform name="*">
        <option name="fixed-layout">true</option>
        <option name="interactive">false</option>
        <option name="specified-fonts">true</option>
        <option name="orientation-lock">none</option>
        </platform>
</display_options>
```





#### Package Document

```
<meta property="rendition:layout">pre-paginated</meta>
<meta property="rendition:spread">landscape</meta>
```

#### **XHTML**

<meta name="viewport" content="width=512, height=600"/>





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```
<meta property="rendition:layout">pre-paginated</meta>
```

```
<meta property="rendition:spread">none</meta>
```

<meta property="rendition:orientation">landscape</meta>

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

. . .

<itemref id="titlepage" properties="page-spread-right
rendition:layout-pre-paginated"/>





#### Advanced Adaptive Layout

- Adaptive print-fidelity layout
  - Magazines, textbooks, cookbooks, travel books, et al.
  - Migration from Fixed Layout?
- CSS Regions
- CSS Exclusions
- Page templates in CSS (-epubx-)
- Adobe in-design CS6 ("Liquid Layout")
- Accessibility
  - Should be good

http://idpf.org/epub/pgt/





# Advanced Adaptive Layout

papers had been picked up by the AP and had spread worldwide. We did interviews for newspapers and radio stations all across the country and at least one radio station in Canada.

With all the exposure it wasn't long before we were made aware that the record of 120 hours had been broken already. A few emails and phone calls later and we found out that two State Farm agents from Texas held the last record certified by Guinness of 118 hours. That was quite a downer. We had followers counting on us to break the record and we had figured everything on a faulty premise.

We resolved to just keep at it and hope for the best. We received lots of encouragement from friends, family and fans and we couldn't let them down. After

#### "To anyone we inspired, thanks."

many miles and a few adventures (which can be found here) we finished our crazy trip at four corners. We beat our expectations by a long shot, hitting all 48 contiguous states in 106 hours and 43 minutes. Even though we had five more hours of driving to get home, we were ecstatic.

After we wrapped up we found out how many people had heard about our Great American

Trip. We had as many as 25,000 hits on this site in a day from dozens of countries from every continent except Antarctica. We were mentioned in magazines ranging from a Christian Magazine to Car and Driver. We continued to do interviews and we found news articles in Chinese, Ger-

man, and many other languages. We

were astounded.

Road

So many people connected with our trip in so many ways and we have been an inspiration to many to hit the road or follow their dreams. Some of those we inspired were inspired to beat our record and accomplished just that. The trip was great, the sense of accomplishment was wonderful but knowing we might have made a difference in someone's day, let alone life, is better than any record.

To anyone we inspired, to all those that enjoyed our journey, to our families and to our friends, thank you.







### Advanced Adaptive Layout

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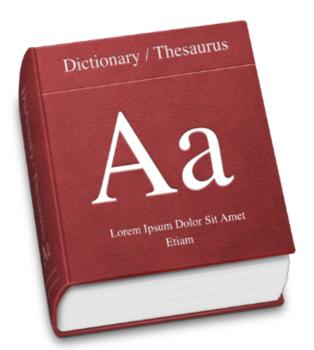
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#### **Dictionaries & Glossaries**

- Typical "system-level" dictionary not sufficient
  - Children and levels of reading/understanding
  - Language learning
  - Specialized fields (law, medicine, etc.)
- Glossaries, Dictionaries,
   Bilingual Dictionaries,
   Thesauri: publisher opportunities
- 1. Read "as any other book"
- 2. Integrate as a lookup service
- 3. Semantics allowing accessibility and usability



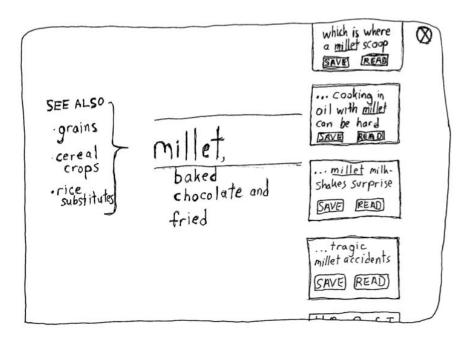




#### **Indexes**

"... offer readers an interaction with content that is enhanced, more powerful, and more specific than simple search."

http://code.google.com/p/epub-revision/wiki/IndexesMainPage







#### Upcoming projects

- Lightweight Content Protection?
- Advanced Hybrid Layouts
  - Rendition mapping
  - Rendition selection
- Linking & Annotations
- EPUB-specific JavaScript APIs





#### **Lightweight Content Protection?**

- IDPF membership: request for comments; discovery process
- Interoperability is key motivator
  - ... as is the reduction of single-vendor dependencies
- Does not prevent DRM-free from being the ultimate goal
- "Lightweight" as in
  - Implementation
  - User experience
  - Intrusion







## Advanced "Hybrid" Layouts

Brady? (rendition selection & mapping...)





#### **Linking & Annotations**

- Interoperable annotations
  - http://www.openannotation.org/
  - W3C Open Annotation Community Group
  - NISO Working Group
- Inter-publication linking





### IDPF supporting efforts

Readium <u>www.readium.org</u>

EPUB 3.0 samples <a href="mailto:code.google.com/p/epub-samples/">code.google.com/p/epub-samples/</a>

Validation (EpubCheck) <u>validator.idpf.org</u>

Transforms and migration <u>transform.idpf.org</u> (proposal)

EPUB Standard Widget Toolkit (in planning stages)





### Thank you!

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