EPUB 3: What You Need To Know

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Features of EPUB 3

• XHTML5 and Semantic Markup
• Focus on Accessibility
• Enhanced global language support (vertical writing, writing directions)
The Case for EPUB 3

- Production workflow tools are increasingly adding support
- Future-proof
- Encourages better markup practices
EPUB 3 in the Real World

• Apple
  – Reflowable and Fixed Layout, Media overlays, JavaScript. Footnotes are pop-ups.
  – iBooks Author can now export to EPUB.

• B&N
  – No official support, but a backwards-compatible reflowable file will not be rejected. No JavaScript. No fixed layout. Include an NCX file.
EPUB 3 in the Real World

• Kobo
  – Reflowable and Fixed Layout, Media overlays, JavaScript in most reading systems. Footnotes are pop-ups.

• Google
  – Reflowable and Fixed Layout, Media overlays. No JavaScript.
EPUB 3 and Amazon

• Can be converted to KF8 using KindleGen
• There are still some differences, but a single EPUB workflow is possible.
• Media only available in Mobi7
• Fixed Layout is different than EPUB
# EPUB 3 in the Real World

<table>
<thead>
<tr>
<th></th>
<th>FXL</th>
<th>Media</th>
<th>Narration</th>
<th>JS</th>
<th>Media Queries</th>
<th>MathML</th>
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Recent EPUB 3 Updates

• Indexes
• Dictionaries and Glossaries
• Previews
• Multiple Rendition Publications
• Region-based Navigation
Current EPUB 3 Development

- EPUB 3.1 Working Group
- Open Annotations
- EDUPUB
- Scriptable Components (née Widgets)

http://idpf.org/ongoing
Resources
# BISG EPUB 3 Support Grid

## BISG EPUB 3 Support Grid: Current Results

These results are based on evaluations of reading system capabilities as described in the EPUB Testsuite. Click on a Reading System name in the table below to view details.

Switch to detail view.

<table>
<thead>
<tr>
<th>READING SYSTEM</th>
<th>TOTAL</th>
<th>REQUIRED FEATURES</th>
<th>OPTIONAL FEATURES</th>
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<tbody>
<tr>
<td>Play Books 3.1.33</td>
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<td>65.8%</td>
<td>29.6%</td>
</tr>
<tr>
<td>Android</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Added by Google Team</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Bluefire Reader 2.0.2                                | 27.9% | 43.5%             | 4.6%              |
| iOS 7.0.4                                            |       |                   |                   |
| Locale: USA                                          |       |                   |                   |
| Added by Joshua Tallent                               |       |                   |                   |
| This evaluation may not be current.                   |       |                   |                   |

| AZARDI 26.0                                          | 44.6% | 50.9%             | 35.2%             |
| Mac OS X 10.6.5                                     |       |                   |                   |
| Added by Dave Cramer                                 |       |                   |                   |
| This evaluation may not be current.                   |       |                   |                   |

| CourseSmart on Firefox Firefox 25.0.1                | 40.5% | 47.8%             | 29.6%             |
| Windows 7                                           |       |                   |                   |
| Locale US                                           |       |                   |                   |

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Governance across borders

File: GovernanceAcrossBorders_original.epub
Contributors: Leonhard Dobusch, Philipp Mader, Sigrid Quack
Format: EPUB 2 Reflowable

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  - OEBPS/Text/Section21.htm links to www.amazon.com

- This EPUB's images are saved in the RGB rather than CMYK colorspace.
Resources

- IDPF
- EPUB Zone
- EPUB 3 Best Practices
- Book Industry Study Group (BISG)
- BISG EPUB 3 Support Grid (epubtest.org)
- BISG Field Guide to Fonts in E-books
- BISG Field Guide to Fixed Layout for E-books
Resources

- #eprdctn
- ePrdctn on Facebook
- ePrdctn.org (wiki)
- ePUB Secrets (blog)
- 99 Problems
Resources

• EPUB 3 Accessibility Guidelines (IDPF)
• Accessible EPUB 3 (book)
• Top Tips for Creating Accessible EPUB 3 Files (Diagram Center)