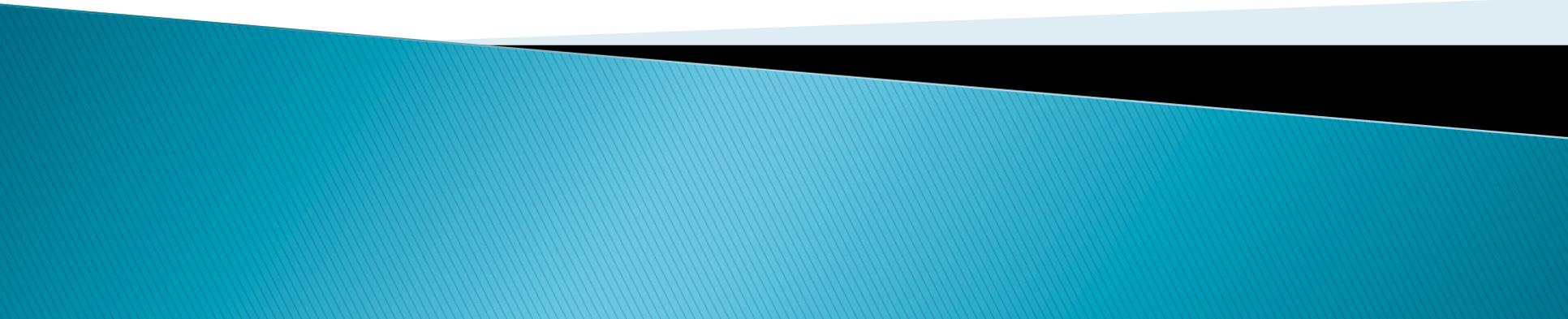


# Inclusive Publishing for Learning and Professional Content

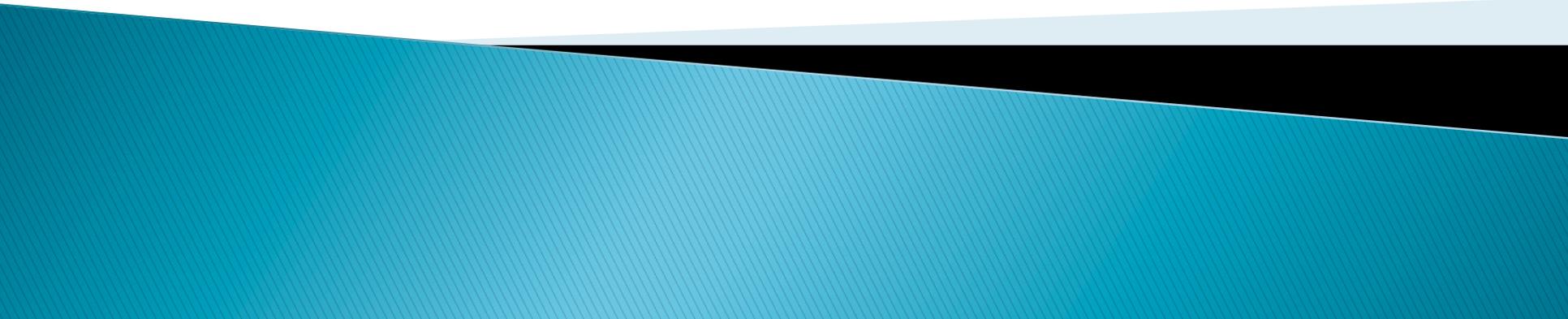


- ▶ Eve Hill, Senior Counselor to the Assistant Attorney General, Civil Rights Division, U.S. Department of Justice
  - ▶ George Kerscher, Secretary General, DAISY Consortium; President, IDPF; Senior Officer Accessible Technology, Learning Ally
  - ▶ Robin Seaman, Director of Content Acquisition, Benetech
- 

# Making Content Accessible

Why We Need to Do It

Literacy is a fundamental  
human right.



An accessible eBook is a  
more valuable book

# Creating Tools for Publishers

- ▶ Radium and Web Readers
- ▶ The Diagram Center
  - The Poet Image Description Tool
  - Math and Graphics Resources
- ▶ Bookaccess – A Market Model for Retailing Accessible Books

# Making Content Accessible

Why We Have to Do It

# Why We Have to Do It

- ▶ **Americans with Disabilities Act**
  - Covered entities are required to ensure that communications with people with disabilities are as effective as communications with people without disabilities
  - “Accessible electronic and information technology” is specifically listed as a means of achieving effective communication with people with vision disabilities
- ▶ **Section 504 of the Rehabilitation Act**
  - Same as ADA for recipients of federal financial assistance
- ▶ **Section 508 of the Rehabilitation Act**
  - Requires federal government agencies to ensure that all electronic and information technology it procures, develops, maintains, or uses is accessible

# Why We Have to Do It – Resources

- ▶ ADA Home Page – [www.ada.gov](http://www.ada.gov)
- ▶ Section 508 Home Page – <http://www.access-board.gov/508.htm>
- ▶ Settlement with Arizona State University re. Kindle e-books – [http://www.ada.gov/arizona\\_state\\_university.htm](http://www.ada.gov/arizona_state_university.htm)
- ▶ Joint DOJ–DOE “Dear Colleague” letter re. e-books – [http://www.ada.gov/kindle\\_ltr\\_eddoj.htm](http://www.ada.gov/kindle_ltr_eddoj.htm)
- ▶ Sacramento Public Library settlement re. NOOK e-books – [http://www.ada.gov/sacramento\\_ca\\_settle.htm](http://www.ada.gov/sacramento_ca_settle.htm)
- ▶ 2011 DOJ Section 508 Survey – [http://www.ada.gov/508/508\\_Report.htm](http://www.ada.gov/508/508_Report.htm)
- ▶ Settlement with Law School Admission Council – <http://www.justice.gov/opa/pr/2012/October/12-crt-1261.html>

# Making Content Accessible

How to Do It

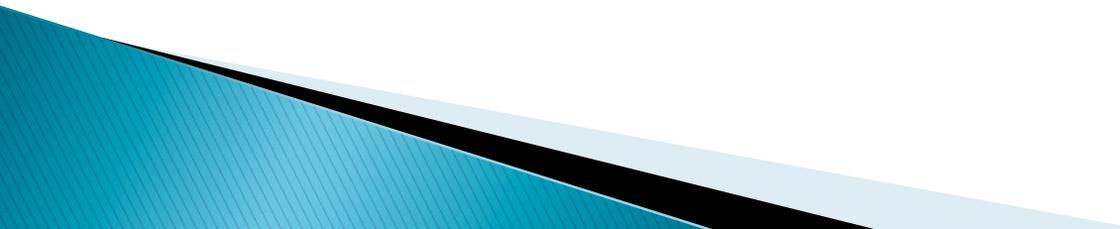
# EPUB 3 Is Engineered for Everybody

- ▶ Disability Community on the Working Group

# Screen Reader Setting Expectations

- ▶ 25+ years of persons who are blind getting access to information
  - ▶ Functionality on PC setting expectations for reading systems
  - ▶ Efficient reading
  - ▶ Control over reading experience
  - ▶ Requirements for accessibility from beginning
- 

# EPUB 3 Builds on W3C Technologies

- ▶ HTML 5 content document
  - ▶ MathML
  - ▶ SVG
  - ▶ Canvas
  - ▶ Interactivity through JavaScript
  - ▶ Video
  - ▶ Web Accessibility Initiative (WAI) incorporated
- 

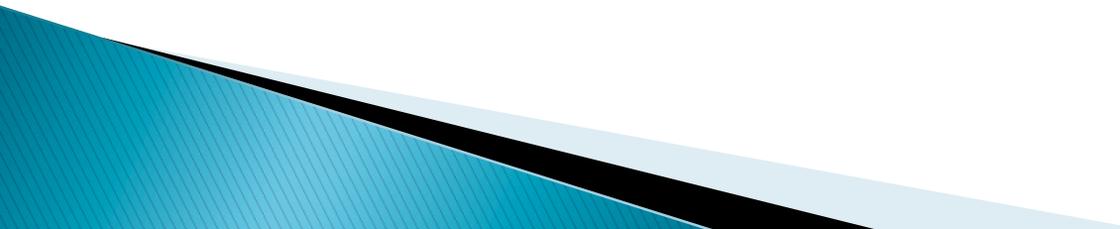
# EPUB 3 Accessibility Supporting Materials

- ▶ “10 Tips for Creating Accessible EPUB 3”
  - <http://diagramcenter.org/resources/54-tips-for-creating-accessible-epub-3-files.html>
- ▶ EPUB 3 Accessibility Guidelines online:
  - <http://www.idpf.org/accessibility/guidelines/>
- ▶ “EPUB 3 Best Practices,” Matt Garrish (O’Reilly)
- ▶ Accessibility Forum
  - <http://www.idpf.org/forums>

# Demand Accessible EPUB 3

- ▶ Software developers should be hearing from purchasers
  - ▶ Publishers, universities, governmental agencies need accessible EPUB 3
  - ▶ Ask about accessibility supporting features in authoring tools
  - ▶ More to come—demand accessibility
- 

# Accessibility Features of EPUB 3

- ▶ Attention to accessibility from the beginning
  - ▶ Synchronized text and audio through Media Overlays
  - ▶ Rich navigation model made famous by DAISY
  - ▶ TTS lexicons for correct synthetic pronunciation
- 

# Thank you

- ▶ Eve Hill
  - [Eve.Hill@usdoj.gov](mailto:Eve.Hill@usdoj.gov)
- ▶ George Kerscher
  - [kerscher@montana.com](mailto:kerscher@montana.com)
- ▶ Robin Seaman
  - [robins@benetech.org](mailto:robins@benetech.org)