



ASTM INTERNATIONAL  
Helping our world work better

# Challenges and Opportunities with XML for Standards

XUG 2018

[www.astm.org](http://www.astm.org)

SDO founded in 1898  
**30,000+** Volunteer Members  
**140+** Countries



F2802



D7246



E1825



D4236

## Standards

**13,000+ active standards**  
12,300 redlines  
52,000 historical standards  
5,000 withdrawn standards  
9 Languages

PDF and HTML formats

## Digital Library

7 Journals  
1,000 Manuals &  
Monographs  
28,000 Symposia Papers &  
STPs  
90 Data Series  
50 Proceedings  
100 Bulletins

## Other Content

300 Adjuncts  
1,000 Research Reports

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**Third Party Content: 5,000 Documents... and growing!!**

How do we obtain and maintain “good” XML?  
How strict should XML be?





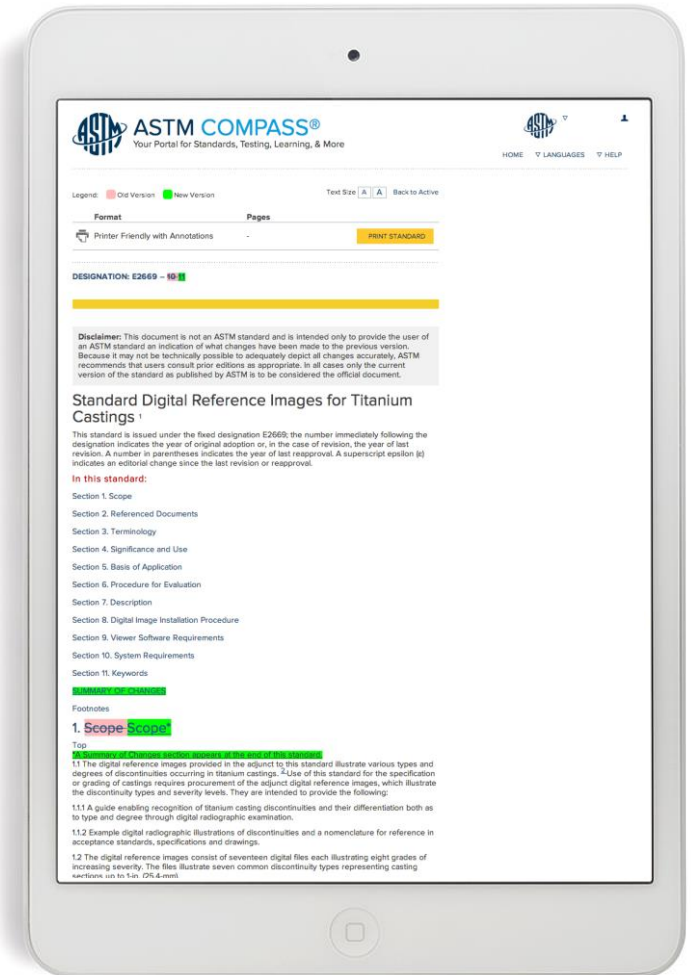
Finding a balance between structure and flexibility.

# Challenges Opportunities



## Converting from XML

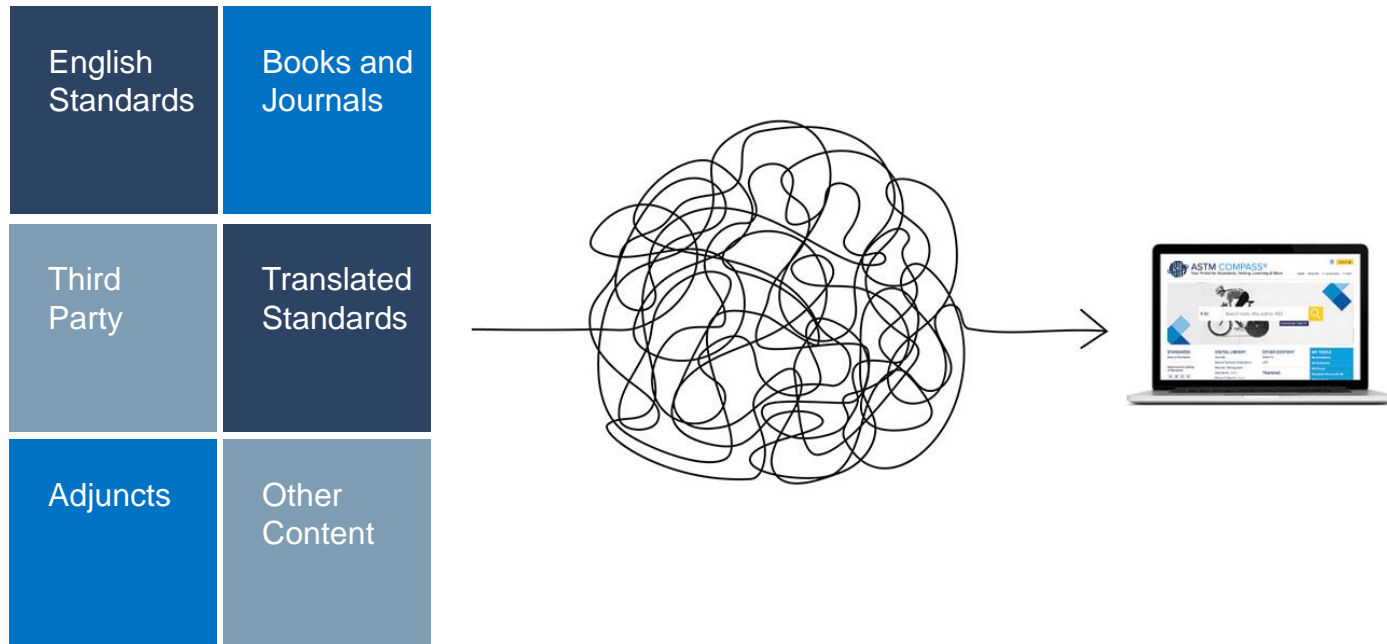
- HTML vs. other outputs
- Metadata
- Standard reference links



# Adapting Systems?



Many, custom systems to publish content

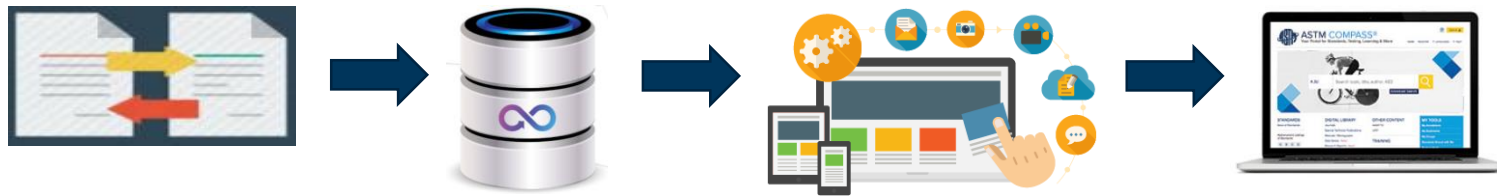




# Adapting Systems?



Many, custom systems to publish content  
One hosting system to rule them all?





Relationships between content  
Systems based on function rather than product type  
Workflows and validation tools

# Thank you!



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