JATS and BITS Update

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Ongoing NISO Standards Process of JATS

- JATS officially ANSI/NISO Z39.96-2012
- Informal Working Group becomes a formal NISO Standing Committee
- Continuous maintenance standard (Revisions by NISO vote, approx. once a year)
- Draft updates (Committee Working Drafts)
    - They include
        - not the standard
        - DTDs, XSDs, RNGs for Archiving, Publishing, Authoring
        - Tag Libraries for same
    - Quarterly (we hope)
    - First one is due TODAY

JATS Version 1.1

- There can't be one until NISO votes
- Current Committee Draft is Version 1.1d1
- It indicates the consensus of the Standing Committee (unvoted as of yet)

What's New in Version 1.1d1

(a few highlights)

- MathML 2.0 OR MathML 3.0
  - only one per DTD
  - you get to choose
  - DTDs with MathML 2.0 and 3.0 with both table options (XHTML-based and XHTML plus OASIS/CALS) available
- New <institution-id>
  - goes inside finding, affiliations, anywhere you had an <institution>
  - handles FundRef funder identifiers (Ringgold, International Standard Name Identifier [ISNI])
- More metadata (like keywords, abstract, DOIs) for figures, tables, and other block-level things
- New <code> element allows executable as well as formatting alternatives for XML and programming languages

More Internationalization Hooks

- New <era> element inside all dates
["2013" is in the Japanese era "昭和" (Heisei 25)]
- Real Ruby tagging

```
<p> あの<ruby><rb>ロンドン警視庁</rb>
<rt xml:lang="en">Scotland Yard</rt></ruby>は霧の中に隠れていた。
or
あの<ruby><rb>ロンドン警視庁</rb>
<rt xml:lang="ja">ろんどんけいしちょう</rt>
</ruby>は霧の中に隠れていた。</p>
```

- Calendar attribute on all dates
  - Arabic-Hijrah
  - Chinese
  - English-Hijrah
  - Gregorian
  - Japanese (Emperor years)
  - Korean
  - Persian
  - ROC-official
  - Thai-Buddha
  - Nónglì

Housekeeping

- There is now a way to add attributes globally (to all elements) first ones:
  - ○ @id
  - ○ @xml:base
- Lots of typos and infelicities fixed
- Gobs more examples (ask for a preview)
- Many examples annotated

How do JATS and BITS Relate?

BITS (Book Interchange Tag Suite)

- This is JATS tagging, but for books
- Uses JATS modules
- Articles become chapters
  - remove journal metdata
  - add book metdata
- New book stuff
  - Structural Index (also embedded index terms)
  - Table of Contents
  - Questions and answers
  - XInclude for chapters
  - and more...

Status of BITS

- BITS is not NISO; can move quickly
- BITS Working Group wanted to stay in sync with JATS
- SO they have waited...and waited...and waited...
- Based on JATS V1.1d1 BITS can go!
- BITS gets lots of new JATS stuff automatically (calls the same modules)
- BITS needs to add all the new JATS stuff
- BITS will be out as soon as we can
  (maybe this year, maybe January)

How Can You Get Involved in JATS?

- Download the latest and greatest JATS V1.1d1
  (no URL here because it is being delivered today, give us a minute)
- Parse your current JATS documents
- Try tagging some of the new stuff
- Ask questions and discuss issues on the JATS List
  (jats-list@lists.mulberrytech.com)
- Post suggested improvements to the NISO site for V1.1d2!
- SEND SAMPLES!!!!

How Can You Get Involved in BITS?

- Download the latest and greatest BITS
  (no URL here because it ain't finished quite)
- Try converting your current books and chapters
- Try tagging some of the new stuff
- Read the Tag Library and complain..er...comment
- Ask questions and discuss issues on the JATS List (for now)
  (jats-list@lists.mulberrytech.com)
- SEND SAMPLES!!!!

Questions and Tag Library Demo