NISO STS (Standards Tag Suite) Technical Working Group Minutes for STS Draft Version 1.0

For NISO STS Technical Working Group
February 2016

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1 Introduction

These are the minutes for the Technical Working Group meeting for the NISO activity to create a standard tag set for Standards. Details on this work item are available at:


These minutes record decisions made and action items assigned during the NISO STS Technical Working Group call on February 17, 2016.

1.1 Attendees for February 17, 2016

- Brown, Matt (BSI)
- Dreyfuss, Bob (ASTM)
- Flanagan, Heather (RFC)
- Hollowell, Bob (ASME)
- Gilson, Howard (ASTM)
- Gooskens, Frans (NEN)
- Imsieke, Gerrit (le-tex Publishing Services)
- Lagace, Nettie (NISO)
- Lapeyre, Debbie (Mulberry Technologies)
- Markantonatos, Nikos (Atypon)
- McRae, Mary (IQ Solutions)
- Rawson, Ken (IEEE)
- Rosenblum, Bruce (Co-chair, Inera)
- Usdin, Tommie (Mulberry Technologies)
- Wheeler, Robert (Co-chair, ASME)
- Winchell, David (XSB)

1.2 Administrative Business

- Correction: Minutes, Mary McRae was not listed in the previous meeting minutes. A corrected version of the minutes has been posted.
- The Action Items from last month’s minutes will be repeated this month.

1.3 The Next Call

The next meeting of the NISO STS Technical Working Group will be held by conference call on Wednesday March 9, 2016, at 10:00 am US EST. (Alert: This is not the originally posted date; the date has been changed.)

**US and Canada Toll free number: 1-877-375-2160**
**Passcode: 6874-6477**
**UNITED KINGDOM** 0808-234-8621 02031070236

Global numbers can be found via [http://bit.ly/1KCHbsT](http://bit.ly/1KCHbsT)
For security reasons, the Passcode will be required to join the conference.

Join call with conference code: 6874-6477
Leader PIN (to start; record the call via *2): 6690-9282
2 Action Items

2.1 Actions for All Technical Group Members

2.1.1 Plea for models and samples

- **SDO-specific Metadata Subcommittee** needs more samples, particularly pathological (interesting or unusual) samples and samples of translations and multiple languages. The Subcommittee requests from all members samples of both standards metadata models and standards metadata XML-tagged documents. Examples that may be shared with the entire group should be posted as NISO documents. Samples that should remain within the Subcommittee and not be shared with the outside should be sent to the Subcommittee Coordinator: WheelerR@asme.org

- **Requirements for Non-TBX Terms and Definitions Subcommittee** requests samples of XML-tagged terms and definitions, PDF of terms and definition sections, and XML terms and definitions models that are in active use. Examples that may be shared with the entire group should be posted as NISO documents. Samples that should remain within the Subcommittee and not be shared with the outside should be sent to the Subcommittee Coordinator: btusdin@mulberrytech.com

- **Citing Standards Subcommittee** requests some coordination with SDO metadata group. The Subcommittee also requests samples of XML-tagged citations and citation models, both in normative reference lists and bibliographies as well as in the metadata. Examples that may be shared with the entire group should be posted as NISO documents. Samples that should remain within the Subcommittee and not be shared with the outside should be sent to the Subcommittee Coordinator: bruce@inera.com

2.1.2 Please Read the JATS 0.4—1.1 Comparison Report

The ISO STS was written as a superset of JATS Publishing (Blue) Version 0.4. It has been proposed that NISO STS be based on JATS 1.1. Debbie Lapeyre prepared a report to the group detailing the differences, which all should read:


2.1.3 Compatibility with ISO STS and JATS

<version>, <pub-date>, and <release-date>

The Working Groups has stated goals to be compatible with JATS and to be backwards compatible with ISO STS. On occasion, these goals may be mutually exclusive, when the element semantics or models are not the same in the two vocabularies. Please review the ISO STS elements <version>, <pub-date>, and <release-date>; the JATS version of <pub-date>; and both the ISO STS and JATS attributes for <pub-date>. For ISO STS users: Compare your usage of the <version> and <release-version> to the ISO STS documentation. For all: Be prepared to discuss how changing an element name from the ISO STS name would impact your organization, determine how not being JATS-compatible would impact your organization, and how your organization does use or would use these elements. Consider the use of attribute on <pub-date> for drafts.
2.1.4 Words for the Standards Lifecycle

If your organization has terminology for stages of the life cycle of a standard, please forward to Robert Wheeler to be considered as part of the SDO-metadata issue. (WheelerR@asme.org) (Editor’s Note: JATS now has attributes @date-type and @publication-format that can be used to identify life-cycle events explicitly if desired, e.g., <...publication-format="print" date-type="retraction">)

2.2 Actions for Individuals and Specific Groups

2.2.1 For Laurent Galichet and Frans Gooskens

Laurent and Frans to review the usage of the ISO <version> element in their organization. How does it differ in usage from <release-version>? Investigate the impact to their organizations and their member organizations of a global name change for the element <version>.

2.2.2 For Matt Brown

Matt Brown: SDO-specific Metadata Subcommittee would like to see from you the BSI model(s) for standards metadata.

2.2.3 For ASTM

ASTM will review the need to include both MathML 2.0 and MathML 3.0 in NISO STS.

2.2.4 For Debbie Lapeyre

Examine the <ref-list> that is inside a section, not at the end of a section and report to the group.

2.2.5 For Bruce Rosenblum

Provide one or more examples of the title above a group of notes.

2.3 For Tommie Usdin and Nettie Lagace

Tommie and Nettie will make sure that there is a specific directory into which to put examples (however small) that can be used in the public documentation. They will send an email with instructions on how example may be placed there.

3 Reports from Technical Working Group Subcommittees

The subcommittees will report the model requirements (possibly expressed as DTD models, possibly as English), some of the roads considered and rejected, and several tagged examples of what their model would entail.

3.1 SDO-specific Metadata

- Renews its plea for example, particularly unusual ones.

3.2 Requirements for Non-TBX Terms and Definitions

- Has made the decision that, to be backward compatible with ISO STS, two models will be required: the current TBX model and something much looser.
- Renews its plea for examples, particularly typical ones.
3.3 Citing Standards

- Is focusing on the `<std-ref>` element, used both in front matter metadata and also anywhere a standard is cited. Right now, if you look at STS and JATS< there are 2 radically dif models for how to tag standards. JATS and ISO STS have two very different techniques for citing standards that will need to be reconciled.

- Request coordination with the SDO-metadata Subcommittee. Bruce Rosenblum and Robert Wheeler will coordinate.

4 Technical Decisions for NISO STS

4.1 Tabled: Bring ISO STS up to JATS 1.1

4.1.1 A. Tabled: Moving NISO STS from JATS 0.4 to JATS 1.1

The ISO STS was written as a superset of JATS Publishing (Blue) Version 0.4. It has been proposed that NISO STS be based on the latest JATS version 1.1. Debbie Lapeyre produced a report detailing the differences between JATS 0.4 and JATS 1.1. The Technical Working Group reported no problems with moving from the parts of JATS 0.4 that ISO used directly to equivalent JATS 1.1. There were issues reported with moving from non-JATS ISO STS structures into JATS-based ones, so the next few discussion items were added.

4.1.2 B. Added Issue: `<version>` compatibility between ISO STS and JATS

The Working Group has two stated goals (to be compatible with JATS and to be backwards compatible with ISO STS) that may on occasion be mutually exclusive, as the element semantics or models are not the same in the two vocabularies.

The `<version>` element has different semantics and usage between JATS and ISO STS. Currently both elements have the same model.

4.1.3 C. Added Issue: `<pub-date>` compatibility between ISO STS and JATS

The Working Group has two stated goals (to be compatible with JATS and to be backwards compatible with ISO STS) that may on occasion be mutually exclusive, as the element semantics or models are not the same in the two vocabularies.

The element `<pub-date>` is an element-only model in JATS, but a textual model (#PCDATA content) in ISO STS. There is also a related element `<release-date>` which will need to be considered as part of this item

4.1.4 D. Added Issue: `<pub-date>` attributes compatibility between ISO STS and JATS

The Working Group has two stated goals (to be compatible with JATS and to be backwards compatible with ISO STS) that may on occasion be mutually exclusive, as the element semantics or models are not the same in the two vocabularies.

The element `<pub-date>` has many new attributes in JATS that ISO STS does not use. This work item will consider these attributes, particularly in the light of draft and revised standards.
4.1.5 Tabled: E. Added Issue: Does NISO STS standardize the standards lifecycle

Are words, elements, attributes, attribute values needed to describe any/many/most of the lifecycle events in the life of a standard? How different are such events (in naming at least) across the standards community? This item will be discussed as part of the SDO-metadata work.

4.2 Resolved: Changed Resolution: Add (optional) CALS Tables

The OASIS Interchange CALS will be added to NISO STS, but there will also be a model version that only supports the XHTML table model. The following models will be developed:

- An “Interchange” Model with only XHTML tables and MathML 2.0
- An “Interchange” Model with only XHTML tables and MathML 3.0
- A “Production” Model with both XHTML and OASIS CALS tables and MathML 2.0
- A “Production” Model with both XHTML and OASIS CALS tables and MathML 3.0

4.3 Resolved: Move from MathML 2.0 to MathML 3.0

- Different document models will be written: one for NISO STS plus MathML 2.0 (the current ISO STS model) and a second model for NISO STS plus MathML 3.0.
- Provisionally, if there are other branching decisions by the group, each model will need to be replicated twice: once for each MathML.

4.4 Resolved: Add Model for Structural Index

- There are sufficient use cases to justify incorporating these structures into NISO STS.

4.5 Resolved: Add XInclude

- The XInclude elements will be added to NISO STS, provisionally at the section <sec> level.

4.6 Resolved: Add Normative Notes

By definition, notes in ISO STS are non-normative. Normative notes will be added to the NISO STS model and allowed anywhere non-normative notes are currently allowed. The <notes> element is just a container, which may contain both kinds of notes as well as other material. Both note types may also be placed directly into text, not related to a <notes> container.

4.7 Resolved: Add Normative Examples

Working Group Recommendation:

By definition, examples in ISO STS are non-normative. Normative examples will be added to the NISO STS model, allowed anywhere non-normative examples are allowed.

4.8 Not yet Discussed: Information Classing of Sections
4.9 Not yet Discussed: Add Elements to Capture CrossRef History Information

4.10 Tabled: Check Adequacy of Terminology Section Model
Request to be handled by a Subcommittee.

4.11 Tabled: Structure for a Group of Notes
Requester: Bruce Rosenblum (Inera)
Standards Australia uses a heading “Notes” above a group of notes. To facilitate this, it will be helpful in STS to have a notes group wrapper element that can start with a label and/or title and then have one or more notes within it.

4.12 Not yet Discussed: Markup of Forms in Standards Content

4.13 Not yet Discussed: Markup for Structural Table of Contents

5 Documentation Requests

5.1 Resolved: Make Standards-specific examples

Working Group Recommendation:

The current ISO STS documentation sometimes uses element and attribute examples taken from the JATS Publishing Tag Set (Blue). Such samples will be replaced by standards-specific samples.

In order to obtain samples from publications where the entire publication may not be shared, one or two page (or even smaller) examples will be provided by the members of the Working Group. Special directories will be set up on the NISO site to hold these restricted examples.

6 Roads Not Taken

6.1 Table Model with Only XHTML Tables

The NISO STS Technical Working Group originally decided that the “OASIS CALS Exchange Table Model will be added to the new NISO STS DTD, within a single document model that also includes the XHTML tables”. The NISO STS Steering Committee was concerned that putting both table models into a single STS model would force organizations that only use XHTML to support OASIS CALS for purposes of interchange, and asked for a reconsideration. The decision was that the NISO STS will have two table configurations:

- An “Interchange” Model with only XHTML tables, and
- An “Production” Model with both XHTML and OASIS CALS tables.

If any other decisions cause the vocabulary to bifurcate, each new combination model will be modeled twice, once with the XHTML table and once with both XHTML and CALS tables.