

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

For NISO STS Technical Working Group
March 2016

March 09, 2016, 10:00 am - 11:00 pm EST

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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 to the public at:

<http://www.niso.org/workrooms/sts/>

These minutes record decisions made and action items assigned during the NISO STS Technical Working Group call on March 9, 2016.

1.1. Attendees for March 9, 2016

- Brown, Matt (BSI)
- Dreyfuss, Bob (ASTM)
- Flanagan, Heather (RFC)
- Gooskens, Frans (NEN)
- Galichet, Laurent (ISO)
- Gilson, Howard (ASTM)
- Juillerat, Serge (ISO)
- Hollowell, Bob (ASME)
- Insieke, 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)

1.2. Administrative Business

- Minutes from the previous meeting were accepted unchanged.

1.3. The Next Call

The next meeting of the NISO STS Steering Committee will be held by conference call on Wednesday April 20, 2016 at 10:00 am EDT. At that time, the call numbers will be:

US and Canada Toll free number: 1-877-375-2160

Passcode: Available at <http://www.niso.org/apps/org/workgroup/sts-technical/>
under "Upcoming events"

UNITED KINGDOM

0808-234-8621

02031070236

Global numbers can be found via <http://bit.ly/1KCHbsT>

For security reasons, the Passcode will be required to join the conference.

2. Action Items

2.1. For all Working Group members

- **Attributes** — Are there any attributes where interoperability and interchange would be enhanced by having a standard (documented/suggested) group of attribute values? (There is a subcommittee for suggesting such a value list for section types.)
- **Standards Life Cycle** — If your organization has terminology for stages of the life cycle of a standard, please forward the lifecycle phase terms to Robert Wheeler to be considered as part of the SDO-metadata issue. (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”>)
- **Section Type List**— A Section Type Subcommittee was formed to work on the specific values for such a list of section types, both names and definitions. Please send any suggestions for values on such a list to Robert Wheeler.
- **JATS 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: <http://www.niso.org/apps/org/workgroup/sts-technical/download.php/15944/How-JATS-0-4-differs-1-1.pdf>
- **Compatibility with ISO STS and JATS** — Please review the ISO STS elements <pub-date>, and <release-date> and the JATS version of <pub-date>. For current users of ISO STS: 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 attributes on <pub-date> for drafts.

2.2. For Individuals

For Debbie Lapeyre

- Examine the <ref-list> that is inside a section, not at the end of a section and report to the group. (Examples provided by Antii Saari (SFS) may show such a list.)

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.

For Tommie Usdin

- Send an email to the group documenting the new block-level notes group structure.

For Bruce Rosenblum and Robert Wheeler

- Request guidance from the NISO STS Steering Committee on the advisability of adding the structural Table of Contents to the NISO STS “interchange” models (that is, the two models that only use XHTML tables).

For Bob Dreyfuss, Howard Gilson, and Robert Wheeler

- Develop a list of recommended values for a section type attribute, to be used for information classing. Both type names and brief definitions are needed, so that organizations can determine equivalences.

3. Reports from Technical Working Group Subcommittees

3.1. SDO-specific Metadata

- The <iso-meta>, <nat-meta>, and <reg-meta> models have been added to the charter of this subcommittee.

3.2. Requirements for Non-TBX Terms and Definitions

- No decisions to report.

3.3. Citing Standards

- This Subcommittee is temporarily suspending work, pending the resolution of the issue of <std-ref>, which is an issue shared with the SDO-specific Metadata Subcommittee.

4. Technical Decisions for NISO STS

4.1. Bring ISO STS up to JATS 1.1

4.1.A. 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.

4.1.B. Resolved <version> compatibility between ISO STS and JATS

Working Group Recommendations

In JATS, a <version> element is defined as “A full version statement, which may be only a number, for data or software that is cited or described”. This usage is outward facing, what is the version number of something else. In ISO STS, a <version> is defined as the version number of this standard, this document. This is an inward facing usage. The content models for the two <version> elements are the same.

By analogy with <issue>, which is an element in JATS that can be both inward facing (defined in the metadata of an article) and outward facing (used in a citation to describe another document), NISO STS will document the inward facing usage of the <version> element and explain that inward-or-outward facing can be determined by context, but not alter <version> or create an alternative element.

The Working Group will send a suggestion to the JATS Standing Committee to discuss the inward and outward facing nature of their <version> element.

4.1.C. <pub-date> compatibility between ISO STS and JATS

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.D. <pub-date> attributes compatibility ISO STS and JATS

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.E. 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: Add (optional) CALS Tables

The OASIS Interchange CALS table model will be added to NISO STS, but there will also be a model version that supports only 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

Two 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. This will replicate NISO STS models if there are other branching points (see 4.2).

4.4. Resolved: Add Model for Structural Index

A structural index model (optional) will be added to 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

Normative notes will be added to the NISO STS model and allowed anywhere non-normative notes are currently allowed.

4.7. Resolved: Add Normative Examples

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

4.8. Tabled: Information Classing of Sections

Working Group Recommendations

- Information classing of sections by adding type attributes is useful. For many reasons, we do not feel this list should be restricted by the grammar. However, we feel the documentation should list recommended section types and define them, so organizations can choose to regularize their practice both to enhance interoperability and to prevent semantic loss when converting to NISO STS from a proprietary tag set with explicitly named sections.
- A Section Type Subcommittee was formed to work on the specific values for such a list, both names and definitions. Members: Bob Dreyfuss, Howard Gilson, and Robert Wheeler.

Working Group Documentation Recommendations

- The element <term-sec>, has a name that implies that the element is a section, which it is not. <term-sec> is a container element that surrounds TBX entries, and it has specific (restricted) contexts within a standards document. This element should be documented and clearly differentiated from an ordinary section whose type attribute has a value such as “term” or “terminology”. Documentation should include: when to use <term-sec>, the placement of <term-sec> elements inside an ordinary section, how section typing attributes apply to ordinary sections but not to <term-sec>, etc.

4.9. Tabled: Add Elements to Capture CrossRef History Information

Consider adding metadata elements to capture the CrossRef history information. At a minimum, the NISO STS needs to be able to record multiple DOI(s) and some relationship metadata that describes the relationships between DOIs in a family of related or adopted standards. The CrossRef schema update of last year may provide helpful information for these modeling decisions.

Working Group Recommendations

There is a consensus that we need to capture the new CrossRef history information. This item has been referred to the SDO-specific Metadata Subcommittee. After we have considered their proposal, we will discuss where else besides the metadata this information is needed.

4.10. Tabled: Check Adequacy of Terminology Section Model

The current ISO STS defines the terms and definitions section of a standard using TBX (TermBase eXchange) defined in a Terminology Section (<term-sec>) element. TBX is (quoted from the TBX website) “the international standard for representing and exchanging terminological data. It defines a family of related formats that share a common structure and draw on a common set of “data categories” (field names) for representing information about terms, the domain/subject field-specific concepts they refer to, and the relationships between these concepts.”

Working Group Recommendations

- The TBX model for terminology will be retained unchanged in NISO STS.
- The Requirements for Non-TBX Terms and Definition Subcommittee will work on coming up with a simpler model for Terminology sections that do not use TBX.

4.11. Resolved: Structure for a Group of Notes

Working Group Recommendations:

- Create a new block-level structure to hold a group of notes. The model will include an optional label, an optional title, followed by an OR group of normative notes and non-normative notes. The new object will be allowed anywhere normative and non-normative notes are allowed.

4.12. Tabled: Markup of Forms in Standards Content

Working Group Recommendations

- The NISO STS tag set will add an attribute to identify an object as a form. This attribute will be needed on at least the following elements: figure, graphic, table-wrap, and boxed-text.

Continuing Discussion:

- Forms are currently tagged using a wide variety of structures including tables, figures, and boxed-text. The *format* of a form can frequently be created using existing elements, but this does not make it a semantically useful form. For Phase I, should NISO STS include any formal element structures for marking up a form semantically?

4.13. Partially Resolved: Markup for Structural Table of Contents

Working Group Recommendations

- The BITS model for a structural Table of Contents will be added to the NISO STS “production” models (that is, to the two tag sets that include both the XHTML and CALS table models).
- The Working Group will request guidance from the NISO STS Steering Committee on the advisability of adding the structural Table of Contents to the NISO STS “interchange” models (that is, the two models that only use XHTML tables).

5. Documentation Requests

5.1. Resolved: Make Standards-specific examples

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 when possible.
