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

For NISO STS Technical Working Group
April 2016

April 20, 2016, 10:00 am - 11:00 pm EDT
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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 April 20, 2016.

1.1. Attendees for April 20, 2016

- Brown, Matt (BSI)
- Dreyfuss, Bob (ASTM)
- Galichet, Laurent (ISO)
- Gilson, Howard (ASTM)
- Gooskens, Frans (NEN)
- Gupta, Vinay (Edaptive Technologies)
- Hollowell, Bob (ASME)
- Imsieke, Gerrit (le-tex Publishing Services)
- Juillerat, Serge (ISO)
- Lapeyre, Debbie (Mulberry Technologies)
- Markantonatos, Nikos (Atypon)
- McRae, Mary (IQ Solutions)
- Usdin, Tommie (Mulberry Technologies)
- Wheeler, Robert (Co-chair, ASME)
- Winchell, David (XSB)

1.2. Administrative Business

- Minutes from the previous meeting were accepted unchanged.

1.3. The Next Call (Note: Off Schedule)

The next meeting of the NISO STS Technical Working Group will be held by conference call on Wednesday May 25, 2016 at 10:00 am EDT.

US and Canada Toll free number and Passcodes are available at

http://www.niso.org/apps/org/workgroup/sts-technical/

under “Upcoming events”.

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

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

2 From the NISO STS Steering Committee

- In order to tag amendments and corrigenda, NISO STS will need a new element (for example, an <instruction> element) to hold the instructions to the user (such as “Insert the following new definition into the definitions list, in alphanumerical order:”)

- The structural Table of Contents model that the Technical Working Group approved for the two processing tag sets will be added it all 4 NISO STS models. This structure may be particularly useful for translations and adoptions.
3 Action Items and Reports

3.1 Action Items (new and continuing)

For All Committee Members

• **Section Type Attributes** — There is a Working Group subcommittee for suggesting a value list for section types. ASTM, IEEE, and le-tex Publishing Services have provided responses.

  - All members are asked to consider their section types.

  - Bruce Rosenblum and Robert Wheeler will ask the same of the NISO Steering Committee.

  - The Section Type Subcommittee will use the information described above to 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.

• **Standards Life Cycle** — This item has been forwarded to the SDO Metadata Subgroup. Robert Wheeler has collected samples from (at least) ASTM, IEEE, IEC, and BSI, as well as obtained material from ANSI regarding their standards lifecycle.

  - All members are asked to send their internal lifecycle stages to Robert Wheeler.

  - Robert Wheeler will report back from the Subcommittee.

• **Doodle Poll Seeking Examples** — Tommie Usdin will be sending a Doodle poll to all members requesting specific examples. Please use the new public and private folders to provide examples. Examples need not be XML; PDF or Word formats are fine.

For Laurent Galichet, Serge Juillerat

• Take a look at the full ISO STS model (in light of the JATS Tag Library Accessibility Essay and recent EU accessibility rulings) with an eye to accessibility. Is there any more we should do to enable users to make accessible standards?

For Gerrit Imsieke and Vinay Gupta

• Forewords (and other introductions and front section content), annexes, and reference lists (at least) may be repeated within an adopted standards document (one or more times for the original standard and one or more for the adopting agency). Gerrit and Vinay will share examples of these structures, so the Working Group can consider the requirements.

For Debbie Lapeyre

• There is a functional requirement for an attribute to flag forms. Debbie Lapeyre will examine existing attribute such as @fig-type and determine if a new attribute is needed and make recommendations for which elements should take this attribute.

• Add Gerrit Imsieke’s concerns regarding additional material for joint and adopted standards to the agenda for future meetings.

• Report to the group the current state of the @originator attribute.
For Tommie Usdin

• Send an email to the Working Group documenting the new block-level notes group structure.
• Send Doodle poll asking: “Are there any attributes where interoperability and interchange would be enhanced by having a standard (documented/suggested) group of attribute values?”
• Send a Doodle poll listing all elements for which Mulberry lacks sufficient examples for the documentation.
• Send the current model and tagged examples for the Requirements for Non-TBX Terms and Definitions to all Working Group members.

For Robert Wheeler and Bruce Rosenblum

• Recommend the addition of the <long-desc> element to the model of <inline-graphic> to the JATS Standing Committee. (Editor’s Note: Accomplished 25 March, 2016)

3.2 Tabled and Resolved Action Items

• Tabled: 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 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. This issue will be discussed as part of the SDO Metadata discussion.

• Resolved: <ref-list> not at section end — Debbie Lapeyre examined the example of a <ref-list> that is inside a section, not at the end of a section. The only example examined was not a reference list.

• Resolved: Examples both public and private — Nettie Lagace (at the request of Tommie Usdin) has added new NISO group which encompasses the whole NISO STS activity. All members of the NISO Steering Committee and the Technical Working Group are committee-eyes-only and one for examples that may be used in documentation.

• Resolved: Structural Table of Contents — The NISO STS Steering Committee agrees that the structural Table of Contents model should be added to all the NISO STS tag sets.

4 Technical Decisions for NISO STS

4.1 Resolved: Bring ISO STS up to JATS 1.1

4.1.A. Resolved: 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. NISO STS will be based on JATS Blue version 1.1

Editor’s Note Concerning the Next Four Issues: Issues have been reported with moving from non-JATS ISO STS structures into JATS-based ones, so the next few related but separate discussion items have been added. The base issue: The Working Group has two stated goals: 1) to be compatible with JATS and 2) to be backwards compatible with ISO STS. On occasion these goals are mutually exclusive, as the element semantics or models are not the same in the ISO STS and
JATS vocabularies.

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

NISO STS will document the inward facing usage of the <version> element for standards and explain that inward or outward-facing (as JATS <version> element is) can be determined by context/ NISO STS will not modify JATS <version> or create an alternative element.

4.1.C. Tabled: <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. Tabled: <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. Tabled: 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

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. 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

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 Partially Resolved: Information Classing of Sections

- **Resolved:** Information classing of sections by adding type attributes is useful and should be encouraged. The list of section types should not be restricted by the grammar.
- **Tabled:** The requirements for such section types are being considered by a Subcommittee.

4.9 Partially Resolved: Add Elements to Capture CrossRef History Information

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 Partially Resolved: Check Adequacy of Term Section Model

- **Resolved:** The TBX model for terminology will be retained unchanged in NISO STS.
- **Tabled:** 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

NISO STS will 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 Resolved: Markup of Forms in Standards Content

- **Forms Attribute:** 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.
- **Roads Not Taken:** Version 1.0 of the NISO STS will not have explicit XML markup for forms.

4.13 Resolved: Markup for Structural Table of Contents

The BITS model for a structural Table of Contents will be added to all of the NISO STS tag sets.

4.14 Resolved: Add <long-desc> to <inline-graphic>

For reasons of accessibility, the element <long-desc> will be added to the model of <inline-graphic>.
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.

5.2 Resolved: Extend and define the list of section types

NISO STS documentation should list recommended section types and define them, so organizations can choose to regularize their practice. A Section Type Subcommitee was formed to work on the specific values for such a list, both names and definitions.

5.3 Resolved: Document that <term-sec> is not a section

The element <term-sec> is not a section, it is a container element that surrounds TBX entries, and 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”).