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ISO/IEC JTC 1
Information Technology

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ISO/IEC JTC 1/SC34

(Document Description & Processing Languages)

Sam Oh, SC 34 Chair

Toshiko Kimura, SC 34 Secretariat

2009 JTC 1 Plenary, Tel Aviv, Israel

Revised Presentation

ISO JTC1 IEC

INFORMATION TECHNOLOGY STANDARDS

Scope of SC34

- Standardization in the field of document structures, languages and related facilities for the description and processing of editable documents, including:
  - languages for describing document logical structures and their support facilities
  - languages for describing document-like objects in web environments
  - document processing architecture and formatting for logical documents
  - languages for describing interactive documents
  - multilingual font information interchange and related services
  - final-form document architecture and page information interchange
  - editable document structuring language and application resources
  - API's for document processing

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INFORMATION TECHNOLOGY STANDARDS

SC34 Working Groups

- WG1: Markup Languages

- WG2: Information Presentation

- WG3: Information Association

- WG4: Office Open XML (OOXML)

- WG5: Document Interoperability

- WG6: Open Document Format (ODF)
    - Newly established, 2009 Fall Seattle Plenary

What is New?

- **Work items**
  - WG 1
    - ISO/IEC 19757-2, Document Schema Definition Languages (DSDL) - Part 11: Schema Association
    - ISO/IEC 19757-2/Amd.1 Document Schema Definition Languages (DSDL) -- Part 2: Regular-grammar-based validation -- RELAX NG – Amendment 1
    - ISO/IEC 19757-4, Document Schema Definition Languages (DSDL) -- Part 4: Namespace-based Validation Dispatching Language (NVDL) – Amendment 1
    - 2nd edition of ISO/IEC 19757-3, Document Schema Definition Languages (DSDL) -- Part 3: Rule-based validation -- Schematron

What is New?

- **Work items**
  - WG 2
    - ISO/IEC 9541-4/Amd 1: Font Information Interchange - Part 4: Harmonization to Open Font Format - Amendment 1: Media type and subtypes
    - 2nd editions of ISO/IEC 9541-1, -2 and -3, Font Information Interchange - Part 1: Architecture, Part 2: Interchange Format, Part 3: Glyph shape representation
    - ISO/IEC 24754-2, Document description and processing languages -- Minimum requirements for specifying document rendering systems

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What is New?

- **Work items**
  - WG 4
    - ISO/IEC 29500-1/Amd. 1, Office Open XML File Formats -- Part 1, Fundamentals and Markup Language Reference – Amendment 1
    - ISO/IEC 29500-4/Amd.1, Office Open XML File Formats -- Part 4: Transitional Migration Features – Amendment 1
    - Technical Report Type 3 on Technical differences between ECMA-376: 2006 and ISO/IEC 29500: 2008 (No project editor

What is New?

- Participants
  - P-members: 36
  - O-members: 19
- Liaisons
  - Internal: 6
  - External: 4

User Engagement

- ## Participation

  - WG4 has fairly good participation from diverse NBs, but it should have attracted more active participation since many developers implement OOXML. WG5 and WG6 seem to have fairly good participation from diverse NBs, however other WGs need more NB participation.

- ## Requirements addressed

  - Most WGs have been active in addressing requirements of industry.

- ## Challenges

  - Fee-based ISO documents still create problems in getting more users involved in ISO process.

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Known Implementations (1)

- ISO/IEC 19757-2 RELAX NG
  - Jing, Trang (Thai Open Source)
  - MSV (Sun Microsystems)
  - <oXygen/> (SyncRO Soft Ltd)
- ISO/IEC 19757-3 Schematron
  - <oXygen/> (SyncRO Soft Ltd)
  - Schematron.org, Probatron (Open Source)
- ISO/IEC 19757-4 NVDL
  - Jing (Thai Open Source)
  - <oXygen/> (SyncRO Soft Ltd)

Known Implementations (2)

- ISO/IEC 26300 OpenDocument Format
  - OpenOffice.org (Sun / Open Source)
  - MS Office (Microsoft)

- ISO/IEC 29500 Office Open XML
  - iPhone (Apple)
  - OpenOffice.org (Sun / Open Source)
  - MS Office (Microsoft)

SC34 WG4 : OOXML Maintenance

- **Defect reports**
  - Actively responding to defect reports from member bodies and liaisons. See statistics in the next page.

- **Ballots**
  - DCORs for all 4 Parts are out for SC 34 ballot.
  - FPDAMs for 2 Parts are out for SC 34 ballot.

- **Meetings**
  - face-to-face 4 times a year
  - 2-hour teleconferences twice a month

- **Participation**
  - 34 representatives from 14 NBs and 3 liaisons attended the most recent face-to-face meeting.

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Maintenance Statistics

Open	33	
Further Consideratior	80	
Last Call	0	
Closed	213	
No action		14
Amendment		24
Corrigenda		175
Total	326	

Elapsed days	Open	Further Consideration
180–	0	0
150–180	0	50
120–150	0	23
90–120	0	7
60–90	0	0
30–60	0	0
0–30	33	0

Technical	169
Editorial	103
Request for clarification	54

Status
- Open
- Further Consideration
- Last Call
- Closed

33, 80, 0, 213

□ Open ■ Further Consideration

50, 23, 7, 0, 0, 33
180– 150–180 120–150 90–120 60–90 30–60 0–30

Qualifier
- Technical
- Editorial
- Request for clarifica

54, 103, 169

2009 JTC 1 Plenary
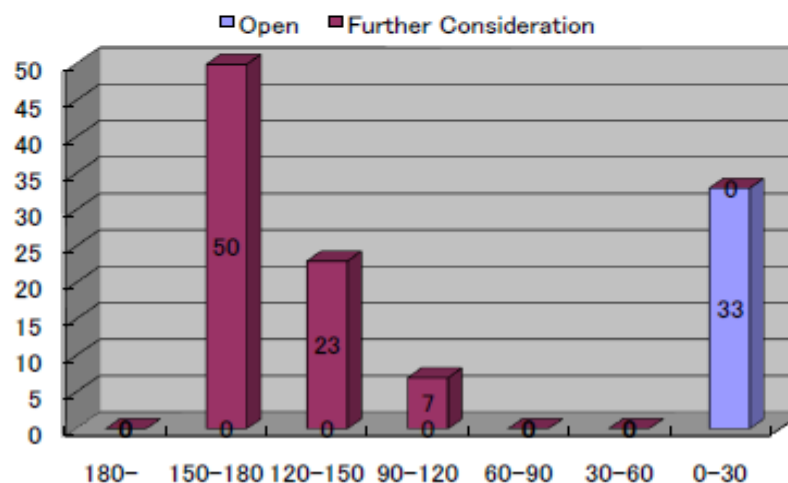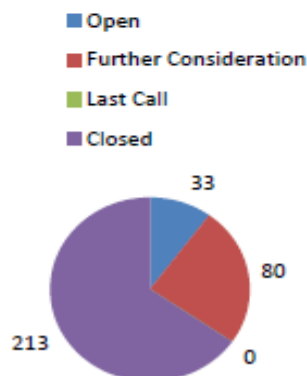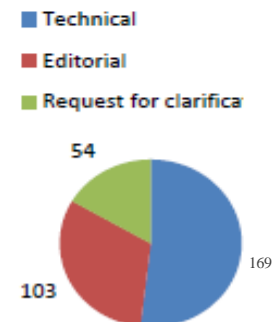
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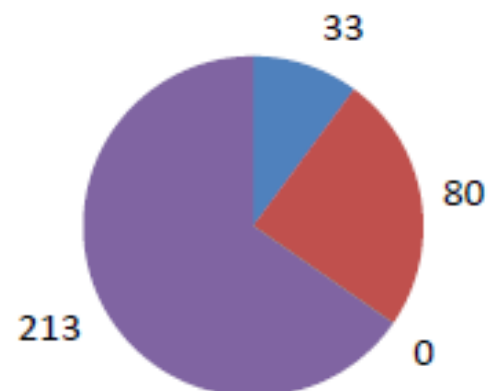
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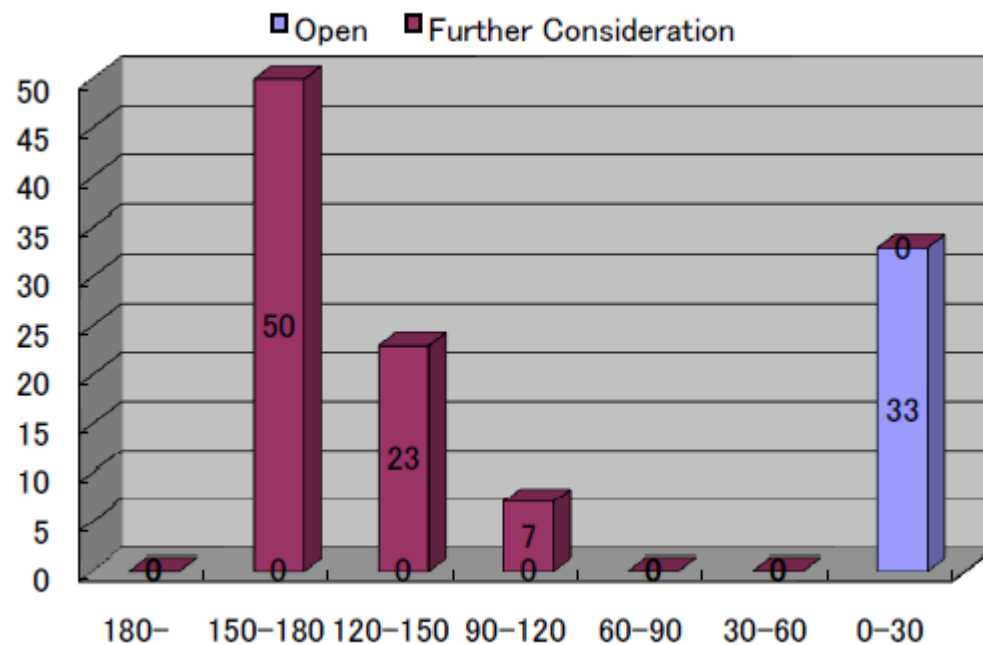
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Qualifier

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103

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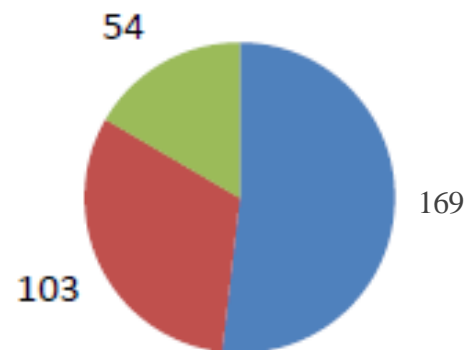
OOXML Maintenance Interface

ISO/IEC 29500
SC 34 WG4

IS 29500 Collection Form

* required fields
Form based on G5 Defect Report, Part 2 as described in JTC 1 Directives

Qualifier*

○ Error

○ Omission

○ Clarification
Required

Reference in Document:

Part Number*: [   ]   Clause Name*: [   ]

OOXML Maintenance Interface

Outreach

- Publications
  - RELAX NG
    Eric van der Vlist, O'Reilly Media
    ISBN: 978-0596004217
- Public mailing lists
  - dsdl-discuss@dsdl.org
- Public websites
  - http://dsdl.org/, http://relaxng.org/, http://www.schematron.com/, http://nvdl.org/
  - http://www.y-adagio.com/public/sc34wg2/
  - http://www.itscj.ipsj.or.jp/sc34/wg4

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Challenges

- **Impediments to success**
  - Disinformation in the blogosphere!
- **Competition from other technologies**
  - W3C XML Schema
    - WG1 Relax NG, Schmatron, NVDL
  - W3C RDF/OWL
    - WG3 Topic Maps

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Issues or Needs

- Resource constraints
  - All Working Groups suffer from insufficient active participation
    - Too few National Bodies are actively involved
    - Too few experts are actively involved

2010

- New directions
  - Current direction seems to be working
- Date/Location of next SC plenary
  - SC34 2010 Spring Plenary, Stockholm
  - SC34 2010 Fall Plenary, South Africa

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