

[Draft] Minutes of the Seoul Meeting of
ISO/IEC JTC 1/SC 34/WG4, 2016-09-26, 27, 29

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2016-09-29

1. Opening remarks

The meeting started at 09:05. The convener, Murata-san, welcomed everyone to the 27th face-to-face meeting of WG4.

2. Roll call of delegates

The following members were present during part or all of the meeting:

Name	Affiliation	Employer/Sponsor
Sam Oh	SC 34 Chair	Sungkyunkwan University
Toshiko Kimura	SC 34 Secretariat	Japan Standards - ITSCJ
Makoto Murata	WG4 Convener, JP	International University of Japan
Ning Li	CN	Beijing Information Technology Institute
ChunYan Fang	CN	China Electronic Standardization Institute
Rex Jaeschke	Ecma, Project Editor	Consultant
Rich McLain	Ecma	Microsoft
Darrin House	Ecma	Microsoft
Aarti Nankani	Ecma	Microsoft
Francis Cave	GB	Francis Cave Digital Publishing
Alex Brown	GB	Griffin Brown Digital Publishing Ltd.
Andrew Sales	GB	Andrew Sales Digital Publishing
Toshiya Suzuki	JP	Hiroshima University
Jaeho Lee	KR	University of Seoul
Jung-Jin Yang	KR	The Catholic University of Korea
Jung-Hye Park	KR	TTA

Name	Affiliation	Employer/Sponsor
Sangho Lee	KR	TTA
Su-Jung Park	KR	TTA
Ji-Hye Lee	KR	RRA
Jun-Ki Hong	KR	TTA
Jan Rietveld	NL	NEN

Present were 21 people, from 5 NBs and 1 liaison.

3. Adoption of the agenda [SC 34/WG4 N 0355]

The agenda was adopted, as distributed.

4. Administration

Approval of Previous Meeting Minutes [WG4 N 0356]

The draft minutes were approved, as circulated.

Outstanding Action Items

- DR 11-0029 “OPC: Do not copy text or schemas from W3C XML Signature”. In Prague, we agreed to rewrite the subclause "Modifications to the XML Digital Signature Specification" as a truly informative summary. Murata-san will provide a rewrite of the summary. **Partially complete** (see his mail, “Further work on DR 11-0029: Rewriting 13.2.4.1 as an informative summary” from 2016-07-13) [Rex: I am dropping this from the Action Item list, as it will be handled in ordinary DR processing.]
- For 30114-1, Rex will circulate the revised Comment-Disposition document and revised draft to WG4 for a 7-day review, starting 2016-08-25. **Done**
- Once that review has been completed, Rex will make these official WG4 documents. **Done (See N 0362 and N 0363)**
- Rex will send the final draft of 30114-1 to Kimura-san for submission to ISO for publication. **Done**
- For DR 14-0014 “SML: Merging Cells”, Rex will write up the final text and will look at making sure that 18.3.1.55 and L.2.2.13 are consistent, per Francis’ mail. **Done**
- For 30114-2 (Extensions, Part 2), Rex will circulate to WG4 the version he produced, for member feedback by 2016-09-01. **Done**
- Once Murata-san has made any final edits, he will forward the DIS to Kimura-san for publication. **Done**

Report from the WG4 Secretariat

Various NBs and liaisons have registered delegates to WG4. All requests for additions, deletions, and changes to the delegate list should be done via LiveLink, with mail to the WG4 Secretariat (rex@RexJaeschke.com), so the corresponding changes can be made to the WG4 email list.

The WG4 email list is e-SC34-WG4@ecma-international.org. The document repository is now at <http://isotc.iso.org/livelink/livelink?func=ll&objid=8912947&objaction=ndocslst>.

5. Defect Reports

The public, online DR log is at

<https://onedrive.live.com/?cid=c8ba0861dc5e4adc&sc=documents&id=C8BA0861DC5E4ADC%21105>. Access individual DRs via the hyperlinks contained within the spreadsheet's left-most column.

DR 10-0048 “OPC: Processing model for handling ZIP encryption”

Agreed to adopt the changes proposed in N 0344, with the following changes:

Strike the sentences:

1. All 64-bit stream record sizes and offsets shall have the high-order bit = 0.
2. All fields that contain “number of entries” shall not exceed 2,147,483,647.

Closed in REV2.

DR 11-0029 “OPC: Do not copy text or schemas from W3C XML Signature”

DR 11-0030 “OPC: Obsolete version of W3C XML Digital Signature 1.0”

DR 11-0031 “OPC: Use official RELAX NG schemas from W3C”

Action: On the email list, Murata-san will rekindle the debate regarding supporting W3C XML Signature 1.0 vs. 1.1 in preparation for a discussion on the next teleconference.

DR 14-0009 “SML: Named Styles”

After some discussion, we agreed to close this without action. We agree that Murata-san's second point is a feature request, not a DR.

DR 14-0014 “SML: Merging Cells”

Change the new sentence in §18.3.1.55 to “The behavior when the content and formatting of a merged range are combined, is unspecified.”

Closed in COR4.

DR 14-0015 “SML: Cell Styles”

Darrin will forward this to his experts.

DR 15-0006 “PML: ST_TLBehaviourAdditiveType is not well-specified”

We agreed to Francis’ change from “attribute” to “property”.

Regarding Murata-san’s question, “What are the properties involved in animation? Are those spec’d anywhere?

What are the differences between original, underlying, and base value?

Darrin will send these questions along to his experts. He did this, and got the following reply:

Underlying value is the value specified in the file format. Base is the underlying value but can be changed at runtime – base starts as the underlying but can then be changed to a new base value.

This is probably explained better in an example:

```
<rect width="20px" ...>  
  <animate attributeName="width" from="0px" to="10px" dur="10s"  
    additive="sum"/>  
</rect>
```

This is an example of a rectangle that is getting animated from width 20+0px to 20+10px so from 20px to 30px. The underlying value is 20px. The base value is also 20px but if you were to use the additiveType Base, it would replace the base value with whatever you specify.

Is “original” used in the definition? I thought in the table we only used base and underlying.

Rex will take ownership of this issue, and will come up with wording based on this feedback. However, the question, “What are the properties involved in animation?”, was not answered, and Darrin will ask for a response to that.

DR 15-0009 “SML: Conversion between rgb and hsl when tint has value”

We closed this without action, at the Barcelona meeting. However, the submitter asked that we rethink that decision.

There are two distinct issues:

1. We need to know the specification for the theme color-attribute values w.r.t to their correspondence with RGB
2. When we change a theme color, for example, via a change in transparency, how do we get the exact value?

This is not SML-specific; it applies to WML, PML, and DML (and VML?) as well.

After some discussion, we agreed to re-open this issue. Assigned to Darrin.

Overnight, we located the correspondence between each theme color and RGB color, as well as the way to calculate the transparency color: they are §17.18.97 ST_ThemeColor (Theme Color) and §L.4.8.3 Color Transforms, respectively.

As such, we agreed to add forward references to these two clauses. While Rex was researching this, he found three other elements whose theme and tint attributes can benefit from the same addition. We agreed to apply the changes to them as well, as follows:

Part 1: §18.3.1.15, “color (Data Bar Color)”, theme attribute, pp. 1600–1601

Attributes	Description
theme (Theme Color)	<p>A zero-based index into the <clrScheme> collection (§xxx), referencing a particular <sysClr> or <srgbClr> value expressed in the Theme part.</p> <p>(For information about the correspondence between theme color and RGB color, see §17.18.97.)</p> <p>The possible values for this attribute are defined by the W3C XML Schema unsignedInt datatype.</p>

Part 1: §18.3.1.15, “color (Data Bar Color)”, tint attribute, pp. 1600–1601

Attributes	Description
tint (Tint)	<p>Specifies the tint value applied to the color.</p> <p>(For information about the calculation of transparency color, see §L.4.8.3.)</p> <p>If tint is supplied, then it is applied to the RGB value of the color to determine the final color applied.</p> <p>...</p>

Part 1: §18.3.1.93, “tabColor (Sheet Tab Color)”, theme attribute, p. 1699

Attributes	Description
theme (Theme Color)	<p>A zero-based index into the <clrScheme> collection (\$xxx), referencing a particular <sysClr> or <srgbClr> value expressed in the Theme part.</p> <p>(For information about the correspondence between theme color and RGB color, see §17.18.97.)</p> <p>The possible values for this attribute are defined by the W3C XML Schema unsignedInt datatype.</p>

Part 1: §18.3.1.93, “tabColor (Sheet Tab Color)”, tint attribute, p. 1699

Attributes	Description
tint (Tint)	<p>Specifies the tint value applied to the color.</p> <p>(For information about the calculation of transparency color, see §L.4.8.3.)</p> <p>If tint is supplied, then it is applied to the RGB value of the color to determine the final color applied.</p> <p>...</p>

Part 1: §18.8.3, “bgColor (Background Color)”, theme attribute, p. 1750

Attributes	Description
theme (Theme Color)	<p>A zero-based index into the <clrScheme> collection (\$xxx), referencing a particular <sysClr> or <srgbClr> value expressed in the Theme part.</p> <p>(For information about the correspondence between theme color and RGB color, see §17.18.97.)</p> <p>The possible values for this attribute are defined by the W3C XML Schema unsignedInt datatype.</p>

Part 1: §18.8.3, “bgColor (Background Color)”, tint attribute, p. 1750

Attributes	Description
tint (Tint)	<p>Specifies the tint value applied to the color.</p> <p>(For information about the calculation of transparency color, see §L.4.8.3.)</p> <p>If tint is supplied, then it is applied to the RGB value of the color to determine the final color applied.</p> <p>...</p>

Part 1: §18.8.19, “fgColor (Foreground Color)”, theme attribute, p. 1759

Attributes	Description
theme (Theme Color)	<p>A zero-based index into the <clrScheme> collection (§xxx), referencing a particular <sysClr> or <srgbClr> value expressed in the Theme part.</p> <p>(For information about the correspondence between theme color and RGB color, see §17.18.97.)</p> <p>The possible values for this attribute are defined by the W3C XML Schema unsignedInt datatype.</p>

Part 1: §18.8.19, “fgColor (Foreground Color)”, tint attribute, p. 1759

Attributes	Description
tint (Tint)	<p>Specifies the tint value applied to the color.</p> <p>(For information about the calculation of transparency color, see §L.4.8.3.)</p> <p>If tint is supplied, then it is applied to the RGB value of the color to determine the final color applied.</p> <p>...</p>

Closed in COR4.

DR 15-0010 “WML: Differences between the elements fldChar and hyperlink”

The submitter agrees with our plan to add the tutorial feedback to the Primer.

Action: Rex will write up the final proposal.

Action: Rex will spin off Caroline’s concern regarding style preservation into a separate DR (DR 16-0019).

DR 15-0013 “SML: Handling empty rlds”

The example file submitted was an xls_m file, which is definitely outside the scope of 29500. We agreed to tell the submitter to submit a new DR if the problem can be reproduced in an xlsx file.

In response to Murata-san’s comment, we agreed to add the following paragraph after the exiting first one:

Part 1: §22.8.2.1, “ST_RelationshipId (Explicit Relationship ID)”, p. xx

This simple type specifies the relationship ID in a part's relationship item which is the target of an explicit relationship from the parent XML element.

[An empty string is not a permitted value for this type.](#)

The kind of relationship which shall be the target of the relationship specified shall be determined based on the context of the parent XML element.

...

Closed in COR4.

DR 15-0014 “DML: Charts and ManualLayout”

Darrin will forward the submitter’s responses to his experts.

DR 15-0015 “DML: Stock charts and interoperability”

We have an initial response, which will be sent to the submitter.

DR 15-0016 “DML: Remove drawingml namespace qualification from attributes in Part 1”

We agreed to close this, but rather than put it onto a COR, it can be put into the new edition along with editorial changes. Closed in REV3.

DR 15-0017 “DML: Remove redundant drawingml attributes from Part 4”

We agreed to close this, but rather than put it onto a COR, it can be put into the new edition along with editorial changes. Closed in REV3.

DR 15-0020 “WML: Make clear where in transitional WML can VML occur”

Regarding Murata-san’s comment of 2016-09-23: “There are many examples of VML attributes in 29500-4. Most of them use the v:shape element as the owner of the attribute. I am afraid that most of them are errors.”, he is correct.

Action: Rex will split off the v:shape issue to a new DR, which he will own.

DR 15-0022 “ST: No subclause for ST_OnOff1”

Closed in COR4.

DR 15-0023 “SML: Comments”

We have an initial response, which will be sent to the submitter.

Response 1: We should consider adding a statement regarding needing to use VML for this.

Response 2: We agreed to state this clearly.

Response 3: Murata-san’s question regarding the default was answered in Response 3. He knows how to fix the schema.

DR 16-0003 “SML: Compatibility of extended properties”

Sent to submitter for consideration.

DR 16-0004 “DML: Undefined Terms - ‘WordprocessingDrawingML’ and ‘SpreadsheetDrawingML’”

Closed in COR4.

DR 16-0010 “WML: Confusing example used repeatedly in Descriptions of attribute w:val”

Action: Rex will spin off the two issues regarding sz into a new DR (DR 16-0020).

The question was raised (for Darrin to take back), “How can I create a Frameset in a document?”

Closed in COR4.

DR 16-0016 “SML: Named Styles”

After some discussion, Francis withdrew his comment of 2016-08-08, as it doesn’t help address the issue.

DR 16-0017 “SML: Calculation of worksheet column widths”

Some people thought this might be dependent on the screen resolution. It seems possible that we might want to say this is implementation-defined.

Assigned to Aarti for investigation.

6. Revision of 29500:2 (OPC)

Monday afternoon:

Recently, document N 0364 was posted. This contains “Japanese Positions on Digital Signatures for OOXML”. The recommendations made by this paper were:

1. Create amendments to 29500-1 and 29500-4 and specify which OPC part is signed
2. Prohibit those XAdES features (such as counter signatures) which are not useful in the context of OPC
3. Provide guidelines for multiple signatures (including counter signatures) in OPC.
4. Allow timestamped-but-not-signed OPC (see [XMLERS](#)). Note that PAdES-DT ([ISO 14533-3](#)) of PDF already provides timestamped-but-not-signed PDF documents.

Murata-san presented this document, which advocates tight restrictions or conventions on the use of XAdES in OOXML. There were questions and opposition.

We agreed that we could not move forward on this until we got that further information and wanted to ensure this did not hold up any other parts while this stayed in discussion. We agreed that we’d allow the proposal to go out to WG4 and SC 34 members, but *not* declare it as fact or a plan of action, but rather a discussion document to get input. We’ll discuss this further at the Seattle meeting in February 2017.

Tuesday:

We reviewed Murata-san’s latest private draft of 29500-2

(<https://www.assembla.com/spaces/IS29500/documents/dNZ1eWArer5OkDacwqEsg8/download/dNZ1eWArer5OkDacwqEsg8>), along with Caroline’s feedback [see her mail from 2016-09-25, “FW: CRA Notes -- now complete Re: My personal draft based on WD 3.1 (OPC)”]. Murata-san made edits directly to his draft.

Thursday morning:

Murata-san crafted a document called “XAdES and XML Digital Signatures in ISO/IEC 29500”, which we proofed and approved.

The resulting resolution to take to the SC 34 Plenary is, as follows:

To assist WG4 in the revision of ISO/IEC 29500-2, SC34 invites national bodies and liaison organizations to provide feedback on the discussion paper “XAdES and XML Digital Signatures in OOXML” (SC34 NXXX) by 2017-01-27.

Action: Rex will make “XAdES and XML Digital Signatures in ISO/IEC 29500” a WG4 document.

Action: Murata-san will ask Kimura-san to make “XAdES and XML Digital Signatures in ISO/IEC 29500” an SC 34 document, so it gets distributed more bradly.

After this meeting, Murata-san will revise his private version of the Working Draft, and he will continue to own that draft until just after the 2016-12-07 teleconference, at which time, he’ll give that to Rex, which will then produce a new WD. That will then be circulated allowing at least 60 days of review before we discuss it at length at the 2017-02-28 to 03/02 Face-to-Face meeting.

7. 30114 (Extensions)

The work has been completed. Part 1 has gone to ISO for publication, and Part 2 has gone to Kimura-san for DIS ballot.

8. Other Business

Thanks

We thanked Jaeho Lee (Korean SC 34 mirror committee chair) and KATS, RRA, and TTA for hosting the meeting, and Microsoft Korea for hosting the banquet.

Pushback by ITTF re Beijing Resolution

We got the following resolution passed at the 2015 Plenary:

Resolution 9: Retention of Previous Editions of ISO/IEC 29500

All Parts of ISO/IEC 29500 are co-published by Ecma International (the original Fast Track submitter), and are made freely available by Ecma. Ecma retains all editions in its catalogue. ITTF also makes the latest edition of this standard freely available.

SC 34 requests that previous editions of ISO/IEC 29500 be retained in the ISO Catalogue in accordance with TMB RESOLUTION 24/2014 (as well as in the free availability list) even after publication of later editions, with the following rationale:

There are many existing implementations of ISO/IEC 29500, some conforming to one edition, some to others, starting with the 2008 edition, for which access to those editions will continue to be necessary for software maintenance and legal compliance purposes.

Unanimously approved

However, Henry C. at ITTF (ISO Geneva) has pushed back on this request.

Action: Rex will discuss this with Henry at the JTC 1 Plenary to see if there is a way forward.

9. Future meetings

Face-to-Face Meetings:

- 2017-02-28 to 03/02, Seattle, Washington, US (WG4, and WG8)
- 2017-06-19-23 Tokyo, JP (with other WGs, and Opening/Closing Plenaries)
- 2017-09 or 10 or 11 TBD (WG4 only)
- 2018-02-?? TBD (WG4 only)
- 2018-06-?? TBD (WG4 only)
- 2018-09-10/14 Seattle, US (with other WGs, and Opening/Closing Plenaries)

Teleconferences:

- 2016-11-02 (Wed/Thu), 21:00 GMT (US/PT 14:00, GB 21:00, DE/DK/FR/CZ 22:00, JP 06:00 next day)
- 2016-12-07 (Wed/Thu), 21:00 GMT (US/PT 13:00, GB 21:00, DE/DK/FR/CZ 22:00, JP 06:00 next day)
- 2017-01-25 (Wed/Thu), 21:00 GMT (US/PT 13:00, GB 21:00, DE/DK/FR/CZ 22:00, JP 06:00 next day)

10. Adjournment

Adjourned by unanimous consent at 11:05 on 2016-09-29.