

**[Draft] Minutes of the Teleconference of  
ISO/IEC JTC 1/SC 34/WG4, 2009-10-01**

**Rex Jaeschke ([rex@RexJaeschke.com](mailto:rex@RexJaeschke.com))**

**2009-10-01**

**1. Opening remarks**

The meeting started at 13:15 GMT. The convener, Murata-san, welcomed everyone to the 11<sup>th</sup> teleconference of WG4.

**2. Roll call of delegates**

The following members were present:

<b>Name</b>	<b>Affiliation</b>	<b>Employer/Sponsor</b>
Makoto Murata	WG4 Convener	International University of Japan
Paul Cotton	CA	Microsoft
Jesper Lund Stocholm	DK	Ciber
Rex Jaeschke	Ecma, Project Editor	Consultant
Doug Mahugh	Ecma	Microsoft
Caroline Arms	Ecma	Library of Congress
Mohamed Zergaoui	FR	Innovimax
Alex Brown	GB	Griffin Brown Digital Publishing Ltd.
Gareth Horton	GB	Datawatch
Dave Welsh	US	Microsoft

6 NBs and 3 Liaisons were represented.

**3. Adoption of the agenda**

The item “Schema maintenance” was added. The revised agenda was adopted by unanimous consent.

## 4. Administration

### Approval of Previous Meeting Minutes [WG N 0085]

The minutes from the 2009-09-13/15 meeting in Bellevue were adopted by unanimous consent as distributed.

### Outstanding Action Items

1. Rex will ask Ecma if it can provide public read-only access to the current mail archive. **A possible solution is still being tested**
2. Rex and Murata-san will see if the assembla system can be used to track schema changes. **Closed**, but still being debated by WG4
3. Shawn will get and distribute a copy of the schema containing foreign attributes, which was initially used to generate the strict and transitional schema versions. **Pending**
4. Doug will see if he can get initial responses for the Open Font-related DRs. **Pending**
5. Rex will make Jeffrey Chen's MCE presentation a committee document. **Done**, see N 0087
6. Rex will make Zeyad Rajabi's presentation on custom XML markup a committee document. **Done**, see N 0088
7. Murata-san will circulate his presentation on media types as a committee document. **Done**, see N 0086
8. Murata-san will look at writing an RFC for registering a generic OPC package media type and establishing a naming convention (such as "+opczip") for specialized media types derived from OPC. **Pending**
9. Shawn and Murata-san will review the proposed text for the solution to DR 09-0012. **Pending**
10. Once the final wording for the solution to DR 09-0012 has been accepted, Shawn will register the obfuscatedFont content type. **Pending**
11. Shawn will create a new DR to define the two existing media types resulting from the discussion of DR 09-0036. **Pending**
12. Alex will submit his Conformance Testing and Methodology paper for posting as a committee document. **Done.**
13. Alex will submit his paper on the Relationship between "Transitional" and "Strict" for posting as a committee document. **Done.**
14. Shawn, Alex, Dave, Mohamed, and Jesper will prepare one or more submissions on how Part 4 might be changed, so it can be used as a stand-alone document rather than being a set of edits to Part 1. **Pending**
15. Gareth will submit a revised version of his slides re ISO dates for posting as a committee document. **Done.**
16. Shawn, Mohamed, and Dave will help Gareth prepare to discuss ISO dates. **Pending**
17. Rex will discuss with ITTF representatives about our plans for future CORs and Amds, to see if we can publish a consolidated edition without having to re-ballot, and without having to conform to the ISO Part 2 style guide. That is, get clarification that a new edition is not considered to be a revision. **Mail sent to ITTF; awaiting a reply.**
18. Murata-san will study WC3's document <http://dev.w3.org/2006/waf/widgets/> and prepare a response. **Pending**
19. Rex will make Jesper's paper on assembla a committee document. **Done**, see N 0089

20. Rex will report back on his investigation at using 29500-related technology as the vehicle for solving the growing DR log size. **Done via email**
21. Murata-san and Shawn will identify a small set of DRs for a detailed trial run with assembla. **Pending**

#### Report from the WG4 Secretariat

The following NBs and liaisons have registered delegates to WG4: CA, CI, CN, CZ, DE, DK, Ecma, FI, FR, GB, IN, IT, JP, KR, NL, NO, PL, and ZA. All requests for additions, deletions, and changes to the delegate list should be sent to the WG4 Secretariat ([rex@RexJaeschke.com](mailto:rex@RexJaeschke.com)).

For information about accessing the email list, and the document and email archive, please consult document WG4 N 0014 (2008).

Access to the documents on the Ecma site is restricted to registered members. For those documents that are to be made available to the public, Murata-san has provided copies of them at <http://www.itscj.ipsj.or.jp/sc34/wg4/>.

## 5. Defect reports

The latest version of the DR log was circulated as WG4 N 0094. The status of DRs at that time was as follows:

Status	Total	Technical	Editorial	Clarification
Open	33	21	2	10
Further Consideration Required	80	50	8	22
Last Call	0	0	0	0
Closed, to be incorporated in COR2	0	0	0	0
Closed, to be incorporated in AMD2	0	0	0	0
Closed, incorporated in COR1	175	67	90	18
Closed, incorporated in AMD1	24	24	0	0
Closed without action	14	7	3	4
<b>Total</b>	<b>326</b>	<b>169</b>	<b>103</b>	<b>54</b>

## 6. Schema maintenance

There was a lengthy discussion of how schemas have been handled to date, the problems encountered, and where we want go from here. Here are the salient points:

1. ECMA-376 Edition 1 provided a single set of schemas, in electronic form only. The BRM required that these schemas also be published in text form, separately for each of the newly created strict and transitional Parts, so Annexes A (WC3, normative) and Annexes B (RELAX NG, informative) were created.

Both the annex and electronic versions of the WC3 schema were made normative; as a result, if there are any differences between them there is no statement about “which one wins”.

2. During the generation of the electronic schemas to go with the DCOR1 and FPDAM1 sets, it was discovered that the electronic version of the schemas published with ISO/IEC 29500 were a superset of those published in the Annexes. Specifically, the electronic set contained lots of annotation tags not present in the annexes. (These tags were removed from the schemas that went out for ballot with the DCOR1 and FPDAM1 sets.)
3. During the discussion, it became apparent that the electronic schemas that went out for ballot with the DCOR1 and FPDAM1 set were *identical* for the DCOR1 and FPDAM1 sets, and contained the schema changes that would result if the DCOR1 and FPDAM1 ballots for all Parts passed. The question then was “Shouldn’t the schemas attached to the DCOR1 set have contained only the schema changes shown in DCOR1?” Likewise, for the FPDAM1 set. (This led to a discussion about how the 4 DCORs and 2 FPDAMs were really pieces of one large “ballot”.) We then considered whether we could/should publish the final CORs and Amds *without* the electronic schemas attached. (No decision was made.) If no electronic schema were attached, how would we publish a consolidated schema later? There was opposition to such a publication being informal (i.e., just a WG4 document available to the public).
4. We reviewed the approach used to handle schema changed during the generation of the DCOR1 and FPDAM1 sets:
  - a. When a DR resolution resulting in schemas changes was adopted, the (typically non-validated) WC3 changes were recorded in the DR Log using track-change notation. (The simpler RELAX NG schema changes were also recorded there.) WG4 agreed not to require that the RELAX NG schema changes be available before considering a DR to be closed.
  - b. When the project editor created the text for the DCOR1 and FPDAM1 sets, he copied the WC3 changes from the DR Log, validated the revised version of the schema, and, for any errors found, corrected them and made the corresponding corrections in the DR Log and in the instructions in the DCOR1 and FPDAM1 sets that changed Annexes A and B. In the one case where multiple DR resolutions changed the same lines of a schema, the project editor made a composite change that included the intent of both DR resolutions. Once the WC3 schemas were correct and the electronic version complete, a revised set of RELAX NG schemas was programmatically generated from them, and the project editor added the RELAX NG schema changes to the DR Log and the DCOR1 and FPDAM1 sets, as appropriate.
5. The question was raised as to whether we should keep a DR open until its WC3 schema changes had been validated rather than waiting until DCOR/FPDAM generation to discover any errors. There was no conclusive answer.
6. Murata-san thought that, originally, the schemas for strict and transitional were created from a single base set that contained foreign attributes. (Note: Shawn already has an action item to distribute this schema set.) However, with the DCOR1 and FPDAM1 sets, we’d revised these schemas manually. This led to a discussion of whether or not the strict schema should be a proper subset of the transitional schema. However, this remains controversial as it would require any new feature added to strict to also be added to transitional, whereas some members view transitional as a one-time bridge for legacy facilities.

**Action:** Alex will post an email on why he'd like to decouple strict and transitional.

7. We talked a bit about using a version control facility for tracking schema changes.

## 7. Future meetings

### Face-to-Face Meetings:

The schedule is as follows:

1. 2009-12-01/03, Paris, FR (in conjunction with WG1, WG5, and, possibly, Ad Hoc 3)
2. 2010-03-22/25, Stockholm, SE (in conjunction with the SC 34 plenary)
3. 2010-06-14/16, Helsinki, FI (in conjunction with WG5)
4. 2010-09-20/23 or 2010-09-27/30 (exact dates to be decided), ZA (in conjunction with the SC 34 plenary)
5. 2010-12-06/10 or 2010-12-13/17 (exact dates to be decided), tentative offer from CN

### Teleconferences:

[See <http://www.timeanddate.com/worldclock/meeting.html> for translation of GMT to your time zone. See WG4 document N 0021 for call-in details.]

The schedule is as follows:

1. 2009-10-15, 13:00 GMT
2. 2009-10-29, 13:00 GMT
3. 2009-11-12, 13:00 GMT

## 8. Adjournment

Adjourned by unanimous consent at 15:00 GMT.