

IS 29500:2008 Defect Report Log

Rex Jaeschke (project editor)

(rex@RexJaeschke.com)

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DRs 08-0001 through 09-0076

INTRODUCTION	1
REVISION HISTORY	3
DR STATUS AT A GLANCE	4
1. DR 08-0001 — DML, FRAMEWORK: REMOVAL OF ST_PERCENTAGEDECIMAL FROM THE STRICT VERSION OF THE SCHEMA	5
2. DR 08-0002 — PRIMER: FORMAT OF ST_POSITIVEPERCENTAGE VALUES IN STRICT MODE EXAMPLES	7
3. DR 08-0003 — DML, MAIN: FORMAT OF ST_POSITIVEPERCENTAGE VALUES IN STRICT MODE EXAMPLES	9
4. DR 08-0004 — DML, DIAGRAMS: TYPE FOR PRSET ATTRIBUTES.....	11
5. DR 08-0005 — PML, ANIMATION: DESCRIPTION OF HSL ATTRIBUTES LIGHTNESS AND SATURATION	13
6. DR 08-0006 — PML, ANIMATION: DESCRIPTION OF RGB ATTRIBUTES BLUE, GREEN AND RED	15
7. DR 08-0007 — DML, MAIN: FORMAT OF ST_TEXTBULLETSIZEPERCENT PERCENTAGE.....	17
8. DR 08-0008 — DML, MAIN: FORMAT OF BUSZPCT PERCENTAGE VALUES IN STRICT MODE EXAMPLE	19
9. DR 08-0009 — WML, FIELDS: INCONSISTENCY BETWEEN FILESIZE BEHAVIOUR AND EXAMPLE	21
10. DR 08-0010 — WML: USE OF TRANSITIONAL ATTRIBUTE IN TBLLOOK STRICT MODE EXAMPLES.....	23
11. DR 08-0011 — WML: USE OF TRANSITIONAL ATTRIBUTE IN CNFSTYLE STRICT MODE EXAMPLE.....	27
12. DR 08-0012 — SCHEMAS: SUPPOSEDLY INCORRECT SCHEMA NAMESPACE NAMES	29
13. DR 08-0013 — SHARED MLS, SHARED SIMPLE TYPES: ST_STRING ALLOWED CHARACTERS AND MAXIMUM LENGTH	31
14. DR 08-0014 — SHARED MLS, SHARED SIMPLE TYPES: ST_STRING EXAMPLE DESCRIPTION ERROR	33
15. DR 08-0015 — GENERAL: DIFFERENCES BETWEEN ISO/IEC 29500:2008 AND ECMA-376:2006, SPREADSHEETML35	
16. DR 09-0001 — SML, CHARTS, TREND LINES: INCORRECT RANGE RESTRICTION IN BACKWARD AND FORWARD .	37
17. DR 09-0002 — SML, CHARTS: INCORRECT RANGE RESTRICTION IN ST_HOLESIZE	39
18. DR 09-0003 — SML, CHARTS, TREND LINES: INCORRECT DATA TYPE AND RANGE RESTRICTION IN ST_PERIOD..	41
19. DR 09-0004 — SML, CHARTS: INCOMPLETE ENUMERATION DEFINITION FOR ST_MARKERSTYLE	43
20. DR 09-0005 — SML, CHARTS: INCORRECT MEASUREMENT UNIT AND RANGE RESTRICTION IN ST_PERSPECTIVE	45
21. DR 09-0006 — SML, CHARTS: INCORRECT DATA TYPE IN ST_SKIP.....	47
22. DR 09-0007 — SML: INCORRECT RANGE FOR PRECISION VALUE SPACE.....	49
23. DR 09-0008 — WML, MAIL MERGE: INCORRECT DEFINITION OF UNIQUETAG	51
24. DR 09-0009 — SML, PIVOT TABLES: INCORRECT DESCRIPTION OF CALCULATEDMEMBER	53
25. DR 09-0010 — SML, WORKBOOK: EXTENSIBILITY BROKEN FOR EXTERNALLINK.....	55
26. DR 09-0011 — SHARED MLS, MATH: INCOMPLETE LIST OF VALID CHILD ELEMENTS FOR OFFICE OPEN XML MATH OBJECTS.....	57

27.	DR 09-0012 — PARTS, FONT PART: INCOMPLETE DEFINITION FOR FONT PART	60
28.	DR 09-0013 — SML: INCORRECT RESTRICTION ON EXTERNALDATA.....	62
29.	DR 09-0014 — SML: INCORRECT RESTRICTION ON THE NAME REPRESENTATION.....	64
30.	DR 09-0015 — SML: INCOMPLETE LIST OF FORMULA ERROR VALUE CONSTANTS AND VALID EXPRESSION ERROR VALUES66	
31.	DR 09-0016 — SML, FORMULAS: INCORRECT ATTRIBUTE NAME IN ARRAY FORMULAS	68
32.	DR 09-0017 — WML, ANNOTATIONS: INSERTED MATH CONTROL CHARACTER MISSING VALID CHILD.....	70
33.	DR 09-0018 — SHARED MLS, MATH: PREVIOUS RUN PROPERTIES NOT VALID CHILD OF DELETED MATH CONTROL CHARACTER	72
34.	DR 09-0019 — SHARED MLS, MATH: PREVIOUS RUN PROPERTIES NOT VALID CHILD OF INSERTED MATH CONTROL CHARACTER	74
35.	DR 09-0020 — SML: INCORRECT RESTRICTION ON SCENARIO.....	76
36.	DR 09-0021 — SML, PIVOT TABLES: INCORRECT RESTRICTION ON ITEM.....	78
37.	DR 09-0022 — SML: INCOMPLETE SET OF FORMAT SYMBOLS FOR NUMFMTS	80
38.	DR 09-0023 — SML, PARTS: INCORRECT NAMING OF ROOT ELEMENT FOR CERTAIN PARTS.....	82
39.	DR 09-0024 — SML, PARTS: INCOMPLETE SET OF IMPLICIT RELATIONSHIPS FOR WORKSHEET PART	84
40.	DR 09-0025 — SML, PARTS: INCORRECT ROOT NAMESPACE FOR THE STYLES PART	86
41.	DR 09-0026 — SML: XML:SPACE ATTRIBUTE NOTE DECLARED IN SPREADSHEETML	88
42.	DR 09-0027 — SHARED SIMPLE TYPES: UNNECESSARY TEXT IN DESCRIPTION OF ST_STRING	91
43.	DR 09-0028 — WML, CUSTOM XML AND SMART TAGS: TIGHTEN DATA TYPES	93
44.	DR 09-0029 — WML, CUSTOM XML AND SMART TAGS: SPECIFICATION FOR VALIDATION LACKING	94
45.	DR 09-0030 — OPC: PLACEMENT OF PACKAGE RELATIONSHIPREFERENCE ELEMENTS.....	96
46.	DR 09-0031 — GENERAL: REQUEST FOR SUPPORT OF UNICODE 5.1.0	98
47.	DR 09-0032 — GENERAL: INAPPROPRIATE USE OF "CONTENT TYPE"	100
48.	DR 09-0033 — DML, CHARTS, SIMPLE TYPES: LACK OF SUPPORT FOR PERCENT SIGN.....	102
49.	DR 09-0034 — GENERAL: NUMEROUS MEDIA TYPES SHOULD BE REGISTERED AT IANA	104
50.	DR 09-0035 — WML, PARTS: INCORRECT MEDIA TYPES FOR ALTERNATIVE FORMAT IMPORT PART	107
51.	DR 09-0036 — SHARED, PARTS, FONT PART: INAPPROPRIATE MEDIA TYPES.....	108
52.	DR 09-0037 — PML, PRESENTATION: CLARIFY DESCRIPTION OF PROPERTIES IN EMBEDDEDFONTLST.....	110
53.	DR 09-0038 — WML/PML/DML: PANOSE-1 TYPEFACE CLASSIFICATION	112
54.	DR 09-0039 — SHARED, PARTS, FONT PART: FILE FORMAT FOR "BITMAPPED FONT" IS MISSING	114
55.	DR 09-0040 — WML/DML: COMPLEX SCRIPTS.....	116
56.	DR 09-0041 — WML, FONTS: FONT RESOURCE SEARCH.....	118

57.	DR 09-0042 — WML, FONTS: NOTTRUE TYPE ATTRIBUTE MISSING FROM LIST	120
58.	DR 09-0043 — WML, FONTS: NOTTRUE TYPE ATTRIBUTE AND BITMAP FONTS	122
59.	DR 09-0044 — WML, FONTS: SUPPORT FOR COMMAS IN FONT FAMILY/SUBFAMILY/FULL NAMES.....	123
60.	DR 09-0045 — WML, FONTS: CHARACTER ENCODINGS OF FONT NAMES	124
61.	DR 09-0046 — WML, FONTS: MISLEADING EXAMPLE	125
62.	DR 09-0047 — WML, FONTS: IDENTIFYING A FACE IN AN EMBEDDED FONT FILE	126
63.	DR 09-0048 — WML, FONTS: PANOSE-1 CLASSIFICATION MECHANISM MISSING.....	128
64.	DR 09-0049 — WML, FIELDS: SYMBOL SWITCH PROPER CHARSET NAME USAGE	130
65.	DR 09-0050 — SML, WORKSHEETS: COMMA DELIMITER BETWEEN FONT NAME AND TYPE.....	131
66.	DR 09-0051 — SML, SHARED STRING TABLE: CHARSET VALUE DUPLICATE	132
67.	DR 09-0052 — SML, STYLES: FAMILY ATTRIBUTE RANGE ISSUE	133
68.	DR 09-0053 — PML, PRESENTATION: ATTRIBUTE NAME PITCHFAMILY IS MISLEADING.....	134
69.	DR 09-0054 — DML, RUN FORMATTING: ATTRIBUTE NAME PITCHFAMILY IS MISLEADING.....	135
70.	DR 09-0055 — PML, PRESENTATION: TYPE OF THE ATTRIBUTE PITCHFAMILY IS TOO LOOSE.....	137
71.	DR 09-0056 — DML, MAIN: TYPE OF THE ATTRIBUTE PITCHFAMILY IS TOO LOOSE.....	138
72.	DR 09-0057 — PML, PRESENTATION: ALLOW ALIASES AS VALUES FOR ATTRIBUTE TYPEFACE.....	140
73.	DR 09-0058 — DML, MAIN: POSSIBLE VALUES OF ATTRIBUTE SCRIPT ARE UNCLEAR.....	141
74.	DR 09-0059 — DML, MAIN: CLARIFY RELATIONSHIP BETWEEN THE SYMBOL FONT AND SYMBOL CHARACTER SET 143	
75.	DR 09-0060 — WML, FONTS: NAMES SHOULD BE REGISTERED AT IANA	144
76.	DR 09-0061 — SHARED MLS, SHARED SIMPLE TYPES: CONSTRAIN ST_PANOSE VALUE SET	146
77.	DR 09-0062 — WML, SETTINGS: SEMANTICS OF SHORT FILE NAMES.....	148
78.	DR 09-0063 — WML, FIELDS: FORM FIELD PROPERTIES LENGTH	150
79.	DR 09-0064 — WML, SIMPLE TYPES: ST_FFHELPTEXTVAL LENGTH	151
80.	DR 09-0065 — WML, SIMPLE TYPES: ST_FFNAME LENGTH	152
81.	DR 09-0066 — WML, SIMPLE TYPES: ST_MACRONAME LENGTH	153
82.	DR 09-0067 — SML, WORKBOOK: SEMANTICS OF SHORT FILE NAMES.....	154
83.	DR 09-0068 — SML, STYLES: NAME ATTRIBUTE LENGTH.....	155
84.	DR 09-0069 — SML, PIVOT TABLES: LONGTEXT ATTRIBUTE LENGTH.....	156
85.	DR 09-0070 — PML, PRESENTATION: MODIFYVERIFIER PASSWORD LENGTH	158
86.	DR 09-0071 — WML, SIMPLE TYPES: KATAKANA ENUMERATION EXAMPLES	159
87.	DR 09-0072 — WML, SIMPLE TYPES: ST_BR CLEAR TERMINOLOGY USAGE.....	161
88.	DR 09-0073 — WML, SIMPLE TYPES: ST_BR CLEAR EXTRANEIOUS TEXT	162

89.	DR 09-0074 — WML, SIMPLE TYPES: ST_TEXTDIRECTION DIRECTION OF ROTATION	163
90.	DR 09-0075 — WML, SIMPLE TYPES: ST_TEXTDIRECTION CONFLICT BETWEEN ATTRIBUTE VALUES	164
91.	DR 09-0076 — PART 1: TRIVIAL EDITORIAL DEFECTS.....	165

Introduction

This document contains the cumulative history of all Defect Report (DR) processing related to IS 29500:2008, “Office Open XML”.

Each main clause covers one DR, and the following format is used for each:

DR Entry Title: DR-*yy-nnnn* — short title taken from **Subject** below. (*yy* is the last two digits of the base document year of publication [as in 08 for 29500:2008], and *nnnn* is a sequential number starting at 0001.)

Status: One of the following:

1. Open
2. Closed, and incorporated in *CORn*
3. Closed, and incorporated in *AMn* (or revision 29500:20*nn*)
4. Closed without action
5. [Further Consideration Required](#)

Subject: A brief but representative title

Qualifier: One of the following:

1. Editorial defect
2. Technical defect
3. Request for clarification

Submitter: Name of submitter (sponsor, such as NB, liaison, WG4, Editing Group)

Contact Information: preferably email address, so more information can be requested

Submitter’s Defect Number: Optional; submitter’s own tracking number

Supporting Document(s): Optional; any such documents should be made WG4 N-numbered documents

Date Circulated by Secretariat: *yyyy-mm-dd* (date on which the DR was formally accepted)

Deadline for Response from Editor: *yyyy-mm-dd* (date by which the editor is required to give a first response; that is, 2 months after initial circulation)

IS 29500 Reference(s): Part, clause, subclause, page, etc. identification

Related DR(s): Optional; pointers to other DRs that may be related

Nature of the Defect:

A detailed description of the defect or request for clarification

Solution Proposed by the Submitter:

Optional

[Schema Change\(s\) Needed: No; Yes, in which case, say which schema\(s\)](#)

Editor's Response:

Details of discussion, progress, and final resolution

Revision History

1. 2008-11-25: Provided responses for, and closed, 8 DRs, 0001–0004 and 0008–0011. Proposed resolutions for DRs 0005–0007, but need final wording for detailed text, so these DRs have the status “Further Consideration Required”.
2. 2009-01-02: Proposed resolutions for DRs 0012–0015, but need input from WG4, so these DRs have the status “Further Consideration Required”.
3. [2009-02-09](#):
 - [Added/changed text for DRs 08-0001 through 08-0015 based on discussions at the Okinawa meeting. For DR 08-010, the editor added another instance to be corrected.](#)
 - [Added a field to each DR for indicating schema changes.](#)
 - [Added the DRs submitted by Ecma in WG4 N 0022, as DR 09-0001 through 09-0026.](#)
 - [Added the hyperlinked “DR Status at a Glance” section.](#)
 - [Added DRs 08-00000 through 08-00069 submitted through the web interface, as DR 09-0027 through 09-0075. \(Closely related submissions from the website were combined into the same DR in \[this log.\]\(#\)\)](#)
 - [Added classification prefixes to all existing DR titles.](#)
 - [Created a DR \(09-0076\) for all trivial Editorial Defects for Part 1.](#)

DR Status at a Glance

<u>Status</u>	<u>DR Numbers</u>
<u>Open</u>	09-0001 , 09-0002 , 09-0003 , 09-0004 , 09-0005 , 09-0006 , 09-0007 , 09-0008 , 09-0009 , 09-0010 , 09-0011 , 09-0012 , 09-0013 , 09-0014 , 09-0015 , 09-0016 , 09-0017 , 09-0018 , 09-0019 , 09-0020 , 09-0021 , 09-0022 , 09-0023 , 09-0024 , 09-0025 , 09-0026 , 09-0027 , 09-0028 , 09-0029 , 09-0030 , 09-0031 , 09-0032 , 09-0033 , 09-0034 , 09-0035 , 09-0036 , 09-0037 , 09-0038 , 09-0039 , 09-0040 , 09-0041 , 09-0042 , 09-0043 , 09-0044 , 09-0045 , 09-0046 , 09-0047 , 09-0048 , 09-0049 , 09-0050 , 09-0051 , 09-0052 , 09-0053 , 09-0054 , 09-0055 , 09-0056 , 09-0057 , 09-0058 , 09-0059 , 09-0060 , 09-0061 , 09-0062 , 09-0063 , 09-0064 , 09-0065 , 09-0066 , 09-0067 , 09-0068 , 09-0069 , 09-0070 , 09-0071 , 09-0072 , 09-0073 , 09-0074 , 09-0075
<u>Closed, and incorporated in COR1</u>	08-0009 , 08-0010 , 08-0011 , 09-0076
<u>Closed without action</u>	08-0013 , 08-0015
<u>Further Consideration Required</u>	08-0001 , 08-0002 , 08-0003 , 08-0004 , 08-0005 , 08-0006 , 08-0007 , 08-0008 , 08-0012 , 08-0014

1. DR 08-0001 — DML, Framework: Removal of ST_PercentageDecimal from the strict version of the schema

Status: ~~Closed; will be incorporated in COR1.~~ [Further Consideration Required](#)

Subject: DML, Framework: Removal of ST_PercentageDecimal from the strict version of the schema

Qualifier: Technical defect

Submitter: Mr. Makoto Murata (JP)

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: JP1-1

Supporting Document(s): none

Date Circulated by Secretariat: 2008-09-26

Deadline for Response from Editor: 2008-11-26

IS 29500 Reference(s): Part 1, §A.4.1 (pp. 4529) and §B.4.1 (pp. 4834)

Related DR(s): none

Nature of the Defect:

The simple type ST_PercentageDecimal should be removed from the strict version of dml-main.xsd and dml-main.rnc, as instructed by Resolution 6 in the BRM.

Solution Proposed by the Submitter:

Remove this simple type from the printed annexes as well as from their corresponding electronic versions.

Schema Change(s) Needed: Yes, the strict version of dml-main.xsd and dml-main.rnc ~~Ne~~

```
<xsd:simpleType name="ST_PercentageDecimal">  
  <xsd:restriction base="xsd:int"/>  
</xsd:simpleType>
```

Editor's Response:

Agreed with submitter's proposed solution. (See notes below.)

Notes:

1. This type is described in Part 1, §20.1.10.41.
2. This type is referenced in §20.1.10.62, "ST_TextBulletSizePercent (Bullet Size Percentage)", and is the base type of that type. (See [DR 08-0007](#) — DML, Main: Format of ST_TextBulletSizePercent percentage, and [DR 08-0008](#) — DML, Main: Format of buSzPct percentage values in strict mode example.)

[2009-01-28 Okinawa meeting:](#)

[There was general agreement that this DR needs to be fixed, along the lines of the proposed change.](#)

[Action: Shawn Villaron will review DRs 08-0001 through 08-0008 as a group, and will come up with a detailed proposal that addresses them and any other situations involving percentages in a strict environment that he identifies.](#)

2. DR 08-0002 — Primer: Format of ST_PositivePercentage values in strict mode examples

Status: ~~Closed; will be incorporated in COR1.~~ [Further Consideration Required](#)

Subject: Primer: Format of ST_PositivePercentage values in strict mode examples

Qualifier: Editorial defect

Submitter: Mr. Makoto Murata (JP)

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: JP1-2

Supporting Document(s): none

Date Circulated by Secretariat: 2008-09-26

Deadline for Response from Editor: 2008-11-26

IS 29500 Reference(s): Part 1, §M.4.6.2.2 (pp. 5374)

Related DR(s): [DR 08-0003](#) — DML, Main: Format of ST_PositivePercentage values in strict mode examples

Nature of the Defect:

The use of ST_PositivePercentage (zoom), which is defined as a percentage in 1,000th of a percent, is incorrect, since in the strict conformance class this type must be a decimal number followed by "%".

Solution Proposed by the Submitter: none

[Schema Change\(s\) Needed:](#) No

Editor's Response:

The changes described below will be made.

Notes:

1. A type by this name is described in §20.1.10.46, “ST_PositivePercentage (Positive Percentage)”. (Another type by this name is described in §22.9.2.11, “ST_PositivePercentage (Positive Percentage Value with Sign).”
2. Part 1, §19.5.83, tmPct (Time Percentage), contains the example

```
<p:tmPct val="10000"/>
```

where the possible values for this attribute are defined by the type ST_PositivePercentage. In strict conformance mode, such percentage values are required to have a “%” suffix, so "10000" should be changed to "10000%".

3. Part 1, §M.4.6.2.2, “Camera”, contains the example

```
<xsd:attribute name="zoom" type="ST_PositivePercentage"  
use="optional" default="100000" />
```

"10000" should be changed to "10000%".

4. As these changes occur in non-normative text, strictly speaking, this is an editorial defect; however, it is recognized that incorrect examples can influence implementers.

[2009-01-28 Okinawa meeting:](#)

[There was general agreement that this DR needs to be fixed, along the lines of the proposed change.](#)

[Action: Shawn Villaron will review DRs 08-0001 through 08-0008 as a group, and will come up with a detailed proposal that addresses them and any other situations involving percentages in a strict environment that he identifies.](#)

3. DR 08-0003 — DML, Main: Format of ST_PositivePercentage values in strict mode examples

Status: ~~Closed; will be incorporated in COR1.~~ [Further Consideration Required](#)

Subject: DML, Main: Format of ST_PositivePercentage values in strict mode examples

Qualifier: Editorial defect

Submitter: Mr. Makoto Murata (JP)

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: JP1-3

Supporting Document(s): none

Date Circulated by Secretariat: 2008-09-26

Deadline for Response from Editor: 2008-11-26

IS 29500 Reference(s): Part 1, §20.1.5.5 (pp. 3153)

Related DR(s): [DR 08-0002](#) — Primer: Format of ST_PositivePercentage values in strict mode examples

Nature of the Defect:

Since the conformance class strict uses the simple type ST_PositivePercentage, the attribute zoom always requires the trailing percent sign. Thus, this example is incorrect.

Solution Proposed by the Submitter: none

[Schema Change\(s\) Needed:](#) No

Editor's Response:

The change described below will be made.

Notes:

1. Part 1, §19.5.83, “tmPct (Time Percentage)”, contains the example

```
<a:camera prst="perspectiveContrastingRightFacing"  
  fov="6900000" zoom="200000">  
  <a:rot lat="1200000" lon="1800000" rev="1200000"/>  
</a:camera>
```

where the possible values for zoom are defined by the type ST_PositivePercentage. In strict conformance mode, such percentage values are required to have a “%” suffix, so "200000" should be changed to "200000%" />.

2. As these changes occur in non-normative text, strictly speaking, this is an editorial defect; however, it is recognized that incorrect examples can influence implementers.

[2009-01-28 Okinawa meeting:](#)

[There was general agreement that this DR needs to be fixed, along the lines of the proposed change.](#)

[Action: Shawn Villaron will review DRs 08-0001 through 08-0008 as a group, and will come up with a detailed proposal that addresses them and any other situations involving percentages in a strict environment that he identifies.](#)

4. DR 08-0004 — DML, Diagrams: Type for prSet attributes

Status: ~~Closed; will be incorporated in COR1~~ [Further Consideration Required](#)

Subject: DML, Diagrams: Type for prSet attributes

Qualifier: Technical defect

Submitter: Mr. Makoto Murata (JP)

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: JP1-4

Supporting Document(s): none

Date Circulated by Secretariat: 2008-09-26

Deadline for Response from Editor: 2008-11-26

IS 29500 Reference(s): Part 1, §21.4.3.4 (pp. 3983)

Related DR(s): none

Nature of the Defect:

Some attributes, namely custScaleX, custScaleY, custLinFactX, custLinFactY, custLinFactNeighborX, custLinFactNeighborY, custRadScaleRad, and custRadScaleInc, specify the 1000th of a percent rather than a decimal number followed by a percent. This is inconsistent with Resolution 6 in the BRM.

Solution Proposed by the Submitter: none

[Schema Change\(s\) Needed: Yes](#)

Editor's Response:

The changes described below will be made.

Notes:

1. The description of each of these attributes currently states, "The possible values for this attribute are defined by the W3C XML Schema int datatype." The type should be ST_PositivePercentage instead.
2. The schemas (both XSD and RelaxNG) and the itemized list in §M.4.15.2.4 will need to be revised.

2009-01-28 Okinawa meeting:

There was general agreement that this DR needs to be fixed, along the lines of the proposed change.

Action: Shawn Villaron will review DRs 08-0001 through 08-0008 as a group, and will come up with a detailed proposal that addresses them and any other situations involving percentages in a strict environment that he identifies.

5. DR 08-0005 — PML, Animation: Description of hsl attributes Lightness and Saturation

Status: ~~Further Consideration Required~~ [Further Consideration Required](#)

Subject: PML, Animation: Description of hsl attributes Lightness and Saturation

Qualifier: Technical defect

Submitter: Mr. Makoto Murata (JP)

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: JP1-5

Supporting Document(s): none

Date Circulated by Secretariat: 2008-09-26

Deadline for Response from Editor: 2008-11-26

IS 29500 Reference(s): Part 1, §19.5.46 (pp. 2921)

Related DR(s): none

Nature of the Defect:

As permissible values of the attributes l (Lightness) and s (Saturation), the schema uses ST_FixedPercentage (i.e., "%"), while the text says "1000th of a percent".

Solution Proposed by the Submitter: none

[Schema Change\(s\) Needed:](#)

Editor's Response:

The change described below will be made. (Specific details of new wording are still needed.)

Notes:

1. The description of each of these attributes currently states, "Specifies a ... as fixed percentage in 1000ths of a percent when no percent sign is included in the value or as percent when a percent sign is present." We need to distinguish between strict and transitional conformance modes. Part 1 supports strict mode only.

2009-01-28 Okinawa meeting:

There was general agreement that this DR needs to be fixed, along the lines of the proposed change.

Action: Shawn Villaron will review DRs 08-0001 through 08-0008 as a group, and will come up with a detailed proposal that addresses them and any other situations involving percentages in a strict environment that he identifies.

6. DR 08-0006 — PML, Animation: Description of rgb attributes Blue, Green and Red

Status: ~~Further Consideration Required~~ [Further Consideration Required](#)

Subject: PML, Animation: Description of rgb attributes Blue, Green and Red

Qualifier: Technical defect

Submitter: Mr. Makoto Murata (JP)

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: JP1-6

Supporting Document(s): none

Date Circulated by Secretariat: 2008-09-26

Deadline for Response from Editor: 2008-11-26

IS 29500 Reference(s): Part 1, §19.5.63 (pp 2937)

Related DR(s): none

Nature of the Defect:

As permissible values of the attributes b (Blue), g (Green), and r (Red), the schema uses ST_FixedPercentage, while the text still allows "a fixed percentage in 1000ths of a percent".

Solution Proposed by the Submitter: none

[Schema Change\(s\) Needed:](#)

Editor's Response:

The change described below will be made. (Specific details of new wording are still needed.)

Notes:

1. The description of each of these attributes currently states, "Specifies a ... as fixed percentage in 1000ths of a percent when no percent sign is included in the value or as percent when a percent sign is present." We need to distinguish between strict and transitional conformance modes. Part 1 supports strict mode only.

2009-01-28 Okinawa meeting:

There was general agreement that this DR needs to be fixed, along the lines of the proposed change.

Action: Shawn Villaron will review DRs 08-0001 through 08-0008 as a group, and will come up with a detailed proposal that addresses them and any other situations involving percentages in a strict environment that he identifies.

7. DR 08-0007 — DML, Main: Format of ST_TextBulletSizePercent percentage

Status: ~~Further Consideration Required~~ [Further Consideration Required](#)

Subject: DML, Main: Format of ST_TextBulletSizePercent percentage

Qualifier: Technical defect

Submitter: Mr. Makoto Murata (JP)

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: JP1-7

Supporting Document(s): none

Date Circulated by Secretariat: 2008-09-26

Deadline for Response from Editor: 2008-11-26

IS 29500 Reference(s): Part 1, §20.1.10.62 (pp 3420)

Related DR(s): [DR 08-0001](#) — DML, Framework: Removal of ST_PercentageDecimal from the strict version of the schema

Nature of the Defect:

The simple type ST_TextBulletSizePercent (Bullet Size Percentage) should allow the percent sign, as instructed by Resolution 6 in the BRM.

Solution Proposed by the Submitter: none

[Schema Change\(s\) Needed:](#)

Editor's Response:

Agreed; the percent sign should be allowed. (Specific details of new wording are still needed.)

[2009-01-28 Okinawa meeting:](#)

[There was general agreement that this DR needs to be fixed, along the lines of the proposed change.](#)

Action: Shawn Villaron will review DRs 08-0001 through 08-0008 as a group, and will come up with a detailed proposal that addresses them and any other situations involving percentages in a strict environment that he identifies.

8. DR 08-0008 — DML, Main: Format of buSzPct percentage values in strict mode example

Status: ~~Closed; will be incorporated in COR1.~~ [Further Consideration Required](#)

Subject: DML, Main: Format of buSzPct percentage values in strict mode example

Qualifier: Technical defect

Submitter: Mr. Makoto Murata (JP)

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: JP1-8

Supporting Document(s): none

Date Circulated by Secretariat: 2008-09-26

Deadline for Response from Editor: 2008-11-26

IS 29500 Reference(s): Part 1, §21.1.2.4.9 (pp. 3640)

Related DR(s): [DR 08-0007](#) — DML, Main: Format of ST_TextBulletSizePercent percentage

Nature of the Defect:

The element buSzPct should allow the percent sign, as instructed by Resolution 6 in the BRM.

Solution Proposed by the Submitter: none

The change described below will be made.

[Schema Change\(s\) Needed:](#) Yes, [dml-main.xsd](#) and [dml-main.rnc](#)

Editor's Response:

The changes described below will be made.

Notes:

1. Part 1, §21.1.2.4.9, “buSzPct (Bullet Size Percentage)”, contains the example

```
<a:buSzPct val="111000"/>
```

where the possible values for this attribute are defined by the type ST_TextBulletSizePercent. In strict conformance mode, such percentage values are required to have a “%” suffix, so “111000” should be changed to “111000%”.

2. The type for buSzPct in dml-main.xsd has to be changed as well.

In dml-main.xsd, ST_TextBulletSizePercent should use

```
<xsd:simpleType name="ST_TextBulletSizePercent">
  <xsd:annotation>
    <xsd:documentation>Bullet Size Percentage</xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="ST_Percentage">
    <xsd:pattern value="((2[5-9])|([3-9][0-9])|([0-3][0-9][0-9]))%"/>
  </xsd:restriction>
</xsd:simpleType>
```

In dml-main.rnc, s_ST_TextBulletSizePercent should be

```
a_ST_TextBulletSizePercent =
  xsd:string { pattern = "((2[5-9])|([3-9][0-9])|([0-3][0-9][0-9]))%"
```

[2009-01-28 Okinawa meeting:](#)

[There was general agreement that this DR needs to be fixed, along the lines of the proposed change.](#)

[Action: Shawn Villaron will review DRs 08-0001 through 08-0008 as a group, and will come up with a detailed proposal that addresses them and any other situations involving percentages in a strict environment that he identifies.](#)

9. DR 08-0009 — WML, Fields: Inconsistency between FILESIZE behaviour and example

Status: Closed; will be incorporated in COR1.

Subject: WML, Fields: Inconsistency between FILESIZE behavior and example

Qualifier: Editorial defect

Submitter: Mr. Inigo Surguy (GB)

Contact Information: inigo.surguy@67bricks.com

Submitter's Defect Number: GB-29500-DR-20081001-1

Supporting Document(s): none

Date Circulated by Secretariat: 2008-10-02

Deadline for Response from Editor: 2008-12-02

IS 29500 Reference(s): Part 1, §17.16.5.18 (pp. 1357)

Related DR(s): none

Nature of the Defect:

Inconsistency between FILESIZE behavior and example remains present after response 782 was rejected at the BRM (GB-0256). 4660736 rounded to kilobytes is 4552, not 4661.

Solution Proposed by the Submitter:

Correct the example to read 4552 kb (alternatively, change the text to use thousands of bytes rather than kilobytes, and millions of bytes rather than megabytes).

[Schema Change\(s\) Needed: No](#)

Editor's Response:

The Switches table will be changed, as follows:

\k	Round to the nearest thousand bytes kilobyte .
\m	Round to the nearest million bytes megabyte .

Notes:

1. The Fast-Track comment GB-0256 proposed that the /k mean 1000 bytes and /m mean million bytes, rather than kilobyte and megabyte, respectively. This failed to pass at the BRM based on a vote of 6/6/16/4, resulting in a draw. The original intent was as GB proposed in GB-0256. Changing to other than that intent will gratuitously break prior art.

[2009-01-28 Okinawa meeting:](#)

[Agreed to change the normative description to match the example, with the following wording changes to the proposed response: “nearest thousands of bytes” becomes “nearest thousand bytes” and “nearest millions of bytes” becomes “nearest million bytes”.](#)

10. DR 08-0010 — WML: Use of transitional attribute in tblLook strict mode examples

Status: Closed; will be incorporated in COR1.

Subject: WML: Use of transitional attribute in tblLook strict mode examples

Qualifier: Editorial defect

Submitter: Mr. Inigo Surguy (GB)

Contact Information: inigo.surguy@67bricks.com

Submitter's Defect Number: GB-29500-DR-20081001-2

Supporting Document(s): none

Date Circulated by Secretariat: 2008-10-02

Deadline for Response from Editor: 2008-12-02

IS 29500 Reference(s): Part 1, §17.4.59 (pp. 483), §17.7.6 (pp. 725), §17.13.5.34 (pp. 1014), [§K.5.8.1 \(pp. 5062\) \[this occurrence added by editor\]](#), §M.1.8.7~~6~~ (pp. 5105-6)

Related DR(s): none

Nature of the Defect:

The application of Response 135 from the BRM has left the examples incorrect – example specifies tblLook with transitional w:val attribute, which no longer exists in the strict schema.

Solution Proposed by the Submitter:

Change the examples to use w:firstRow, w:lastRow etc. for tblLook.

Schema Change(s) Needed: No

Editor's Response:

Agreed with submitter's proposed solution.

[The example in §17.4.59, pp. 483, will be changed, as follows:](#)

```
<w:tblPr>
  <w:tblStyle w:val="TableGrid"/>
  <w:tblW w:w="0" w:type="auto"/>
  <w:jc w:val="center"/>
  <w:shd w:val="clear" w:color="auto" w:fill="FF0000"/>
  <w:tblLook w:val="04A0"w:firstRow="true" w:firstColumn="true"
  w:noVBand="true" />
  <w:tblPrChange w:id="0" ... >
  <w:tblPr>
    <w:tblStyle w:val="TableGrid"/>
    <w:tblW w:w="0" w:type="auto"/>
    <w:tblLook w:val="04A0"w:firstRow="true" w:firstColumn="true"
    w:noVBand="true"/>
  </w:tblPr>
</w:tblPrChange>
</w:tblPr>
```

[The text in §17.7.6, pp. 725, will be changed, as follows:](#)

The use or omission conditional formats shall be specified using the tblLook element, which contains a ~~bitmask representing~~a number of attributes that indicate which properties are applied and omitted.

[The example in §17.7.6, pp. 725, will be changed, as follows:](#)

```
<w:tbl>
  <w:tblPr>
    <w:tblStyle w:val="Style2"/>
    <w:tblW w:w="0" w:type="auto"/>
    <w:tblLook w:val="0660"w:firstRow="true" w:lastRow="true"
    w:noHBand="true" w:noVBand="true"/>
  </w:tblPr>
  ...
</w:tbl>
...
<w:tbl>
  <w:tblPr>
    <w:tblStyle w:val="Style2"/>
    <w:tblW w:w="0" w:type="auto"/>
    <w:tblLook w:val="0460"w:firstRow="true" w:lastRow="true"
    w:noVBand="true"/>
  </w:tblPr>
  ...
```

```
</w:tbl>
```

[The example in §17.13.5.34, pp. 1014, will be changed, as follows:](#)

```
<w:tblPr>
  <w:tblStyle w:val="LightShading"/>
  <w:tblW w:w="0" w:type="auto"/>
  <w:tblLook w:val="04A0"w:firstRow="true" w:firstColumn="true"
w:noVBand="true"/>
  <w:tblPrChange w:id="0" w:author="Tristan Davis" w:date="2006-06-
01T13:39:00Z">
    <w:tblPr>
      <w:tblStyle w:val="LightList"/>
      <w:tblW w:w="0" w:type="auto"/>
      <w:tblLook w:val="04A0"w:firstRow="true" w:firstColumn="true"
w:noVBand="true"/>
    </w:tblPr>
  </w:tblPrChange>
</w:tblPr>
```

[The text in §M.1.8.7, pp. 5105, will be changed, as follows:](#)

The use or omission conditional formats are specified using the tblLook element, which contains a ~~bitmask representing~~ [a number of attributes that indicate](#) which properties are applied and omitted.

[The example in §K.5.8.1, pp. 5062, will be changed, as follows:](#)

```
<w:body>
  <w:tbl>
    <w:tblPr>
      <w:tblStyle w:val="TableGrid"/>
      <w:tblW w:w="0" w:type="auto"/>
      <w:tblLook w:val="04A0"w:firstRow="true" w:firstColumn="true"
w:noVBand="true"/>
      <w:tblCaption w:val="2004 Figures"/>
      <w:tblDescription w:val="This table shows that sales figure have been
rising for the past five quarters."/>
    </w:tblPr>
    ...
  </w:tbl>
  ...
</w:body>
```

[The example in §M.1.8.7, pp. 5106, will be changed, as follows:](#)


```
<w:tbl>
  <w:tblPr>
    <w:tblStyle w:val="Style2"/>
    <w:tblW w:w="0" w:type="auto"/>
    <w:tblLook w:val="0660"w:firstRow="true" w:lastRow="true"
      w:noHBand="true" w:noVBand="true"/>
  </w:tblPr>
  ...
</w:tbl>
...
<w:tbl>
  <w:tblPr>
    <w:tblStyle w:val="Style2"/>
    <w:tblW w:w="0" w:type="auto"/>
    <w:tblLook w:val="0460"w:firstRow="true" w:lastRow="true"
      w:noVBand="true"/>
  </w:tblPr>
  ...
</w:tbl>
```

[2009-01-28 Okinawa meeting:](#)

[Approved as proposed.](#)

[Action: Editor to present the affected text showing specific changes. \(Done; see above.\)](#)

11. DR 08-0011 — WML: Use of transitional attribute in cnfStyle strict mode example

Status: Closed; will be incorporated in COR1.

Subject: WML: Use of transitional attribute in cnfStyle strict mode example

Qualifier: Editorial defect

Submitter: Mr. Inigo Surguy (GB)

Contact Information: inigo.surguy@67bricks.com

Submitter's Defect Number: GB-29500-DR-20081001-3

Supporting Document(s): none

Date Circulated by Secretariat: 2008-10-02

Deadline for Response from Editor: 2008-12-02

IS 29500 Reference(s): Part 1, §17.13.5.36 (pp. 1018)

Related DR(s): none

Nature of the Defect:

The application of Response 135 from the BRM has left the examples incorrect – example specifies cnfStyle with transitional w:val attribute that no longer exists in the strict schema.

Solution Proposed by the Submitter:

Change the examples to use w:firstRow, w:lastRow etc. for cnfStyle.

[Schema Change\(s\) Needed: No](#)

Editor's Response:

Agreed with submitter's proposed solution.

[The example in §17.13.5.36, pp. 1018, will be changed, as follows:](#)

<w:tcPr>

```
<w:cnfStyle w:val="-001000000000" w:firstColumn="true"/>
<w:tcW w:w="3192" w:type="dxa"/>
<w:tcPrChange w:id="8" w:author="Tristan Davis" w:date="2006-06-01T13:39:00Z">
  <w:tcPr>
    <w:tcW w:w="3192" w:type="dxa"/>
  </w:tcPr>
</w:tcPrChange>
</w:tcPr>
```

[2009-01-28 Okinawa meeting:](#)

[Approved as proposed.](#)

[Action: Editor to present the affected text showing specific changes. \(Done; see above.\)](#)

12. DR 08-0012 — Schemas: Supposedly incorrect schema namespace names

Status: Further Consideration Required

Subject: Schemas: Supposedly incorrect schema namespace names

Qualifier: Technical defect

Submitter: Ms. Ruth Schneider, SNV (CH)

Contact Information: ruth.schneider@snv.ch

Submitter's Defect Number: 14.001

Supporting Document(s): none

Date Circulated by Secretariat: 2008-11-03

Deadline for Response from Editor: 2009-01-03

IS 29500 Reference(s): All Parts and schemas

Related DR(s): none

Nature of the Defect:

OOXML's schema namespace names are designed for implementing versioning by means of embedding the year in the namespace names. However, in this version of the specification "2006" is still used in the schema namespace names even though the schemas have changed. Unless this is corrected, this will result in significant problems in use-cases where applications need the ability to validate documents which are allowed to conform to either the schemas of ECMA-376:2006 or the schemas of ISO/IEC 29500:2008. This is a severe defect which must be corrected with high priority.

Solution Proposed by the Submitter:

Update the "2006" in the namespace names to "2008".

[Schema Change\(s\) Needed: No](#)

Editor's Response:

It would be useful to have a reliable mechanism for distinguishing between the two versions of schemas, as described. Updating the “2006” year that is embedded in the namespaces to “2008” for those namespaces that were modified during the DIS 29500 BRM process seems a reasonable and logical choice. However, several questions arise from this proposal:

- Should such a change be made to all schemas in IS 29500, or only to those that have changed since the 2006 version?
- Is this correcting a defect or is it a change in functionality? That is, does any resulting change belong in a COR or in an amendment/revision?

We recommend that this matter be discussed by WG4 during its next face-to-face meeting.

[2009-01-28 Okinawa meeting:](#)

[There was consensus that something needed to be fixed, and two solutions were discussed:](#)

- [Adding an optional Version attribute \(as done by ODF\)](#)
- [Changing the schema name](#)

[Other solutions might also be investigated.](#)

[In the short term, it was agreed to solve the problem in a COR, and to defer a discussion of namespace name change to a future amendment/revision. \(For example, several members raised the possibility of considering removing the year from the namespace names altogether.\)](#)

[Action: Shawn Villaron will produce a detailed proposal.](#)

13. DR 08-0013 — Shared MLs, Shared Simple Types: ST_String allowed characters and maximum length

Status: ~~Further Consideration Required~~ [Closed Without Action](#)

Subject: Shared MLs, Shared Simple Types: ST_String allowed characters and maximum length

Qualifier: Technical defect

Submitter: Ms. Ruth Schneider, SNV (CH)

Contact Information: ruth.schneider@snv.ch

Submitter's Defect Number: 14.001

Supporting Document(s): none

Date Circulated by Secretariat: 2008-11-03

Deadline for Response from Editor: 2009-01-03

IS 29500 Reference(s): Part 1, §22.9.2.13 (pp. 4329), first sentence

Related DR(s): none

Nature of the Defect:

For a string data type, it needs to be precisely specified what set of characters is allowed in the string, and whether there are any restrictions on the length of the string.

Solution Proposed by the Submitter:

Specify this.

[Schema Change\(s\) Needed: No](#)

Editor's Response:

The simple type ST_String is referenced in more than 200 places throughout IS 29500, and in a wide variety of contexts. (Examples include font names, headings, control names, various identifiers, field

codes, namespaces, MRU values, XPath expressions, author name, and bookmark names.) Due to this broad usage of ST_String, it is defined as a generic string type. Although it may be possible to add specific constraints for a particular reference to ST_String, such restrictions might not be applicable in other contexts, so any restrictions defined at the ST_String level would, of necessity, be too broad to be meaningful.

A more focused approach would be to add length or character restrictions for specific instances of ST_String, as appropriate based on their context. Suggestions for such constraints are welcome.

We recommend that this matter be discussed by WG4 during its next face-to-face meeting.

[2009-01-28 Okinawa meeting:](#)

[It was agreed that this is not an issue with the type itself, but that specific instances certainly might have constraints. As the submission does not identify any such specific instances, members saw no problem that needed solving. As a result, this DR was rejected. Any specific instance of this type with constraints should be submitted as a new DR.](#)

14. DR 08-0014 — Shared MLs, Shared Simple Types: ST_String example description error

Status: Further Consideration Required

Subject: Shared MLs, Shared Simple Types: ST_String example description error

Qualifier: Editorial defect

Submitter: Ms. Ruth Schneider, SNV (CH)

Contact Information: ruth.schneider@snv.ch

Submitter's Defect Number: 14.001

Supporting Document(s): none

Date Circulated by Secretariat: 2008-11-03

Deadline for Response from Editor: 2009-01-03

IS 29500 Reference(s): Part 1, §22.9.2.13 (pp. 4329), last paragraph of the example

Related DR(s): none

Nature of the Defect:

There appears to be an editing error here, as the val attribute does not contain a decimal number.

Solution Proposed by the Submitter:

Replace “the decimal number in” with “the value of”.

[Schema Change\(s\) Needed: No](#)

Editor's Response:

Notes:

1. As this change occurs in non-normative text, strictly speaking, this is an editorial defect; however, it is recognized that incorrect examples can influence implementers.

We believe that the error occurred because the example is an instance of the alias element and it should have been an instance of the id element, whose val attribute does contain a decimal number. The proposed change will address this problem; alternatively, it could be corrected by replacing the existing alias example with the following, more appropriate, example: `<w:id w:val="28565032"/>`

We recommend that this matter be discussed by WG4 during its next face-to-face meeting.

[2009-01-28 Okinawa meeting:](#)

[It was agreed to take the alternate approach proposed by the editor; that is, replacing the existing alias example.](#)

[Action: Shawn Villaron will check that this approach is adequate.](#)

[The example in §22.9.2.13, pp. 4329, will be changed, as follows:](#)

```
<w:sdtPr>  
<w:alias w:val="SDT Title Example" />  
<w:id w:val="28565032"/>  
...  
</w:sdtPr>
```

15. DR 08-0015 — General: Differences between ISO/IEC 29500:2008 and ECMA-376:2006, SpreadsheetML

Status: [Closed Without Action](#)~~Further Consideration Required~~

Subject: General: Differences between ISO/IEC 29500:2008 and ECMA-376:2006, SpreadsheetML

Qualifier: Editorial defect

Submitter: Ms. Ruth Schneider, SNV (CH)

Contact Information: ruth.schneider@snv.ch

Submitter's Defect Number: 14.001

Supporting Document(s): none

Date Circulated by Secretariat: 2008-11-03

Deadline for Response from Editor: 2009-01-03

IS 29500 Reference(s): Part 1, §N.2 (pp. 5556)

Related DR(s): none

Nature of the Defect:

ECMA-376:2006 specifies that dates and times are stored as serial values in SpreadsheetML files. ISO/IEC 29500:2008 specifies that they are stored in the ISO 8601 format. Although it is the purpose of Annex N.2 to list all major changes, it fails to mention this one.

Solution Proposed by the Submitter:

Mention that the date representation has changed, with a reference to §18.17.4.1.

[Schema Change\(s\) Needed: No](#)

Editor's Response:

Notes:

1. The first paragraph of this informative annex clearly states: “This annex highlights the differences between the versions of the Strict form of the Office Open XML schemas, as defined in ISO/IEC 29500:2008 and the schemas as defined by ECMA-376:2006.” As such, it contains differences relating only to schema changes.
2. If it is agreed that other differences are to go in this annex, these would have to include the changes made at the BRM for various formulas (such as CONVERT).
3. Corresponding versions of this annex also exist for Parts 2 and 4.

We recommend that this matter be discussed by WG4 during its next face-to-face meeting.

[2009-01-28 Okinawa meeting:](#)

[As implemented, the annex reflects what was agreed to at the BRM. As such, the lack of further description of non-schema changes was not viewed as a defect. As such, this DR was rejected.](#)

16. DR 09-0001 — SML, Charts, Trend lines: Incorrect range restriction in backward and forward

Status: Open

Subject: SML, Charts, Trend lines: Incorrect range restriction in backward and forward

Qualifier: Technical defect

Submitter: Ecma TC45

Contact Information: Rex Jaeschke (rex@RexJaeschke.com)

Submitter's Defect Number: Ecma-09-001

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-21

Deadline for Response from Editor: 2009-03-21

IS 29500 Reference(s):

Part 4: §21.2.2.12, "backward (Backward)", pp. 3763

Part 4: §21.2.2.73, "forward (Forward)", pp. 3795

Related DR(s): none

Nature of the Defect:

Summary

The standard states that when the backward element is used to define a trend line for non-scatter charts, only two values are valid: 0 and 0.5.

The standard fails to state the valid values for the backward element when it is used to define a trend line for scatter charts.

The standard states that when the forward element is used to define a trend line for non-scatter charts, the value of this element must be a multiple of 0.5.

The standard fails to state the valid values for the forward element when it is used to define a trend line for scatter charts.

These observations are incompatible with existing documents and should be updated to reflect such prior art.

Background

These two elements define the number of categories, or units in the case of a scatter chart, that the trend line extends before, or after, the data for the series that is being trended.

Existing documents contain trend lines defined using backward and forward values that do not satisfy the documented restrictions. Such documents contain non-negative values for both the backward and forward elements.

Solution Proposed by the Submitter:

Revise the standard such that when used for any chart type, the backward and forward elements can be any non-negative number.

Schema Change(s) Needed: none

Editor's Response:

2009-01-28 Okinawa meeting:

The failure of the standard to state the valid values sounds like a defect.

17. DR 09-0002 — SML, Charts: Incorrect range restriction in ST_HoleSize

Status: Open

Subject: SML, Charts: Incorrect range restriction in ST_HoleSize

Qualifier: Technical defect

Submitter: Ecma TC45

Contact Information: Rex Jaeschke (rex@RexJaeschke.com)

Submitter's Defect Number: Ecma-09-002

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-21

Deadline for Response from Editor: 2009-03-21

IS 29500 Reference(s): Part 4: §21.2.3.18, "ST_HoleSize (Hole Size)", pp, 3384

Related DR(s): none

Nature of the Defect:

Summary

The standard states that the ST_HoleSize simple type has a minimum value of 10.

This is incompatible with existing documents and should be updated to reflect such prior art.

Background

When defining a donut chart, the ST_HoleSize simple type is used to define the size of the hole in the chart. This simple type expresses the size of the hole as a percentage of the size of the chart.

Existing documents contain donut charts with hole sizes in the range of 1 percent to 90 percent.

Solution Proposed by the Submitter:

Change the new minimum value for the ST_HoleSize simple type to 1.

Schema Change(s) Needed: Yes, strict and transitional versions of dml-chart.xsd and dml-chart.rnc.

```
<xsd:simpleType name="ST_HoleSize">  
  <xsd:restriction base="xsd:unsignedByte">  
    <xsd:minInclusive value="101"/>  
    <xsd:maxInclusive value="90"/>  
  </xsd:restriction>  
</xsd:simpleType>
```

Editor's Response:

2009-01-28 Okinawa meeting:

Not addressing this will complicate interoperability.

18. DR 09-0003 — SML, Charts, Trend lines: Incorrect data type and range restriction in ST_Period

Status: Open

Subject: SML, Charts, Trend lines: Incorrect data type and range restriction in ST_Period

Qualifier: Technical defect

Submitter: Ecma TC45

Contact Information: Rex Jaeschke (rex@RexJaeschke.com)

Submitter's Defect Number: Ecma-09-003

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-21

Deadline for Response from Editor: 2009-03-21

IS 29500 Reference(s): Part 4: §21.2.3.33, "ST_Period (Period)", pp. 3826

Related DR(s): none

Nature of the Defect:

Summary

The standard states that the ST_Period simple type uses the XML Schema ST_Period data type and supports a range 2–255.

These observations are incompatible with existing documents and should be updated to reflect such prior art.

Background

When defining a moving average trend line, the ST_Period simple type is used to define the period of the trend line.

Existing documents contain trend lines with their periods defined such that they do not satisfy the documented restrictions. Such documents specify the period using the XML Schema unsignedInt data type and contain values larger than the specified maximum of 255.

Solution Proposed by the Submitter:

Define the ST_Period simple type using the XML Schema unsignedInt data type and with an unbounded maximum value.

Schema Change(s) Needed: Yes, strict and transitional versions of dml-chart.xsd and dml-chart.rnc.

```
<xsd:simpleType name="ST_Period">  
  <xsd:restriction base="xsd:unsignedBytexsd:unsignedInt">  
    <xsd:minInclusive value="2"/>  
    <xsd:maxInclusive value="255unbounded"/>  
  </xsd:restriction>  
</xsd:simpleType>
```

Editor's Response:

2009-01-28 Okinawa meeting:

Not addressing this will complicate interoperability.

19. DR 09-0004 — SML, Charts: Incomplete enumeration definition for ST_MarkerStyle

Status: Open

Subject: SML, Charts: Incomplete enumeration definition for ST_MarkerStyle

Qualifier: Technical defect

Submitter: Ecma TC45

Contact Information: Rex Jaeschke (rex@RexJaeschke.com)

Submitter's Defect Number: Ecma-09-004

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-21

Deadline for Response from Editor: 2009-03-21

IS 29500 Reference(s): Part 4: §21.2.3.27, "ST_MarkerStyle (Marker Style)", pp. 3888

Related DR(s): none

Nature of the Defect:

Defect Summary

The standard states that ST_MarkerStyle is defined as an enumeration of a set of supported marker styles.

The defined set of supported marker styles is incomplete as it fails to include all marker styles in use with existing documents and should be updated to reflect such prior art.

Background

It is often useful to emphasize data points in a chart. This emphasis is called a marker. Markers can be styled to take the form of, for example, a diamond shape or a square shape. The style of a marker can

also be specified such that the application can determine the style to be used. Such a specification is called “auto”.

Existing documents contain marker styles specified as “auto”.

Solution Proposed by the Submitter:

Add a value of “auto” to the ST_MarkerStyle simple type’s enumeration.

Schema Change(s) Needed: Yes, strict [A1] and transitional versions of dml-chart.xsd and dml-chart.rnc.

```
<xsd:simpleType name="ST_MarkerStyle">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="circle"/>
    <xsd:enumeration value="dash"/>
    <xsd:enumeration value="diamond"/>
    <xsd:enumeration value="dot"/>
    <xsd:enumeration value="none"/>
    <xsd:enumeration value="picture"/>
    <xsd:enumeration value="plus"/>
    <xsd:enumeration value="square"/>
    <xsd:enumeration value="star"/>
    <xsd:enumeration value="triangle"/>
    <xsd:enumeration value="x"/>
    <xsd:enumeration value="auto"/>
  </xsd:restriction>
</xsd:simpleType>
```

Editor’s Response:

2009-01-28 Okinawa meeting:

A potential alternate solution is that if this attribute is optional, make the default value “auto”. However, it appears that this attribute is required, in which case, not addressing this will complicate interoperability.

20. DR 09-0005 — SML, Charts: Incorrect measurement unit and range restriction in ST_Perspective

Status: Open

Subject: SML, Charts: Incorrect measurement unit and range restriction in ST_Perspective

Qualifier: Technical defect

Submitter: Ecma TC45

Contact Information: Rex Jaeschke (rex@RexJaeschke.com)

Submitter's Defect Number: Ecma-09-005

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-21

Deadline for Response from Editor: 2009-03-21

IS 29500 Reference(s): Part 4: §21.2.3.34, "ST_Perspective (Perspective)", pp. 3892

Related DR(s): none

Nature of the Defect:

Summary

The standard provides contradictory information regarding the allowed range for the ST_Perspective simple type:

“[t]his simple type specifies that the contains contain an integer between 0 and 100”, and

“[t]his simple type also specifies the following restrictions:

- This simple type has a minimum value of greater than or equal to 0.
- This simple type has a maximum value of less than or equal to 240.”

The standard also states that the ST_Perspective simple type represents a percentage.

The contradictory definition of the range restriction and the representation unit of ST_Perspective is unclear and incompatible with existing documents. It should be updated for clarity and to reflect such prior art.

Background

In order to visualize a chart in 3 dimensions, a perspective angle needs to be defined.

Existing documents contain charts with perspectives defined using one-half degrees as their unit of measurement, and they contain measurements in the range 0–240 one-half degrees.

Solution Proposed by the Submitter:

Change ST_Perspective simple type's unit of measurement to be one-half degree with a supported range from 0–240 one-half degrees.

Schema Change(s) Needed: none_[A2]

Editor's Response:

2009-01-28 Okinawa meeting:

As this is a conflict, this is a defect.

21. DR 09-0006 — SML, Charts: Incorrect data type in ST_Skip

Status: Open

Subject: SML, Charts: Incorrect data type in ST_Skip

Qualifier: Technical defect

Submitter: Ecma TC45

Contact Information: Rex Jaeschke (rex@RexJaeschke.com)

Submitter's Defect Number: Ecma-09-006

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-21

Deadline for Response from Editor: 2009-03-21

IS 29500 Reference(s): Part 4: §21.2.3.44, "ST_Skip (Skip)", pp. 3897

Related DR(s): none

Nature of the Defect:

Summary

The standard states that the ST_Skip simple type is defined using the XML Schema unsignedShort data type.

This is incompatible with existing documents and should be updated to reflect such prior art.

Background

When defining a chart it is often necessary to skip rendering tick labels or tick marks in order to adequately display the chart within the space provided. The ST_Skip simple type is used to declare how many tick labels or tick marks, should be skipped for a give category or series axis.

Existing documents declare the number of skipped tick labels or tick marks using the XML Schema unsignedInt data type.

Solution Proposed by the Submitter:

Change the ST_Skip simple type to use the XML Schema unsignedInt data type.

Schema Change(s) Needed: Yes, strict and transitional versions of dml-chart.xsd and dml-chart.rnc.

```
<xsd:simpleType name="ST_Skip">  
  <xsd:restriction base="xsd:unsignedShortxsd:unsignedInt">  
    <xsd:minInclusive value="1"/>  
  </xsd:restriction>  
</xsd:simpleType>
```

Editor's Response:

2009-01-28 Okinawa meeting:

Not addressing this will complicate interoperability.

22. DR 09-0007 — SML: Incorrect range for Precision value space

Status: Open

Subject: SML: Incorrect range for Precision value space

Qualifier: Technical defect

Submitter: Ecma TC45

Contact Information: Rex Jaeschke (rex@RexJaeschke.com)

Submitter's Defect Number: Ecma-09-008

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-21

Deadline for Response from Editor: 2009-03-21

IS 29500 Reference(s): Part 1: §18.17.5.2, Precision, pp. 2296

Related DR(s): none

Nature of the Defect:

The standard states that “[t]he value space consists of the values $m \times 2^n$, where m is an integer whose absolute value is less than 2^{53} , and n is an integer between -1075 and 970 , inclusive.

This is incompatible with existing documents and should be updated to reflect such prior art.

Solution Proposed by the Submitter:

Define the value space as follows:

The value space consists of the values $(-1)^s * m * 2^n$, where s is 0 or 1, m is an integer greater than or equal to 0 and less than 2^{53} , and n is an integer between -1074 and 971 , inclusive.

Schema Change(s) Needed: none

Editor's Response:

2009-01-28 Okinawa meeting:

Not addressing this will complicate interoperability.

23. DR 09-0008 — WML, Mail Merge: Incorrect definition of uniqueTag

Status: Open

Subject: WML, Mail Merge: Incorrect definition of uniqueTag

Qualifier: Technical defect

Submitter: Ecma TC45

Contact Information: Rex Jaeschke (rex@RexJaeschke.com)

Submitter's Defect Number: Ecma-09-009

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-21

Deadline for Response from Editor: 2009-03-21

IS 29500 Reference(s): Part 1: §17.14.35, "uniqueTag (Unique Value for Record)", pp. 1088

Related DR(s): none

Nature of the Defect:

Defect Summary

The standard states that the uniqueTag element in the CT_RecipientData complex type contains a text node defined by the base XML Schema base64Binary datatype.

This definition is incompatible with existing documents and should be updated to reflect such prior art (as well as to conform to the WordprocessingML design goal of storing only user text in text nodes).

Background

This element defines the unique key for a single data record within a data source used for a mail merge operation, allowing that record to be explicitly included/excluded from the mail merge.

Existing documents store this information using a val attribute on the uniqueTag element in the CT_RecipientData complex type

Solution Proposed by the Submitter:

Define the uniqueTag element with a val attribute of type XML Schema base64Binary.

Schema Change(s) Needed: Yes, both strict and relaxed versions of wml.xsd and wml.rnc.

```
<xsd:complexType name="CT_RecipientData">
  <xsd:sequence>
    <xsd:element name="active" type="CT_OnOff" minOccurs="0"/>
    <xsd:element name="column" type="CT_DecimalNumber" minOccurs="1"/>
    <xsd:element name="uniqueTag" type="xsd:base64BinaryCT_Base64Binary"
minOccurs="1"/>
  </xsd:sequence>
</xsd:complexType>
```

```
<xsd:complexType name="CT_Base64Binary">
  <xsd:attribute name="val" type="xsd:base64Binary" use="required">
  </xsd:attribute>
</xsd:complexType>
```

Editor's Response:

2009-01-28 Okinawa meeting:

This issue is not related to preserving old binary formats.

24. DR 09-0009 — SML, Pivot Tables: Incorrect description of calculatedMember

Status: Open

Subject: SML, Pivot Tables: Incorrect description of calculatedMember

Qualifier: Technical defect

Submitter: Ecma TC45

Contact Information: Rex Jaeschke (rex@RexJaeschke.com)

Submitter's Defect Number: Ecma-09-010

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-21

Deadline for Response from Editor: 2009-03-21

IS 29500 Reference(s): Part 1: §18.10.1.10, "calculatedMember (Calculated Member)", pp. 2030

Related DR(s): none

Nature of the Defect:

Summary

The standard states that calculated items in a PivotTable cannot be added:

Represents a calculated OLAP hierarchy. A calculated member is a member of an OLAP-based PivotTable whose value is calculated on the OLAP server. For PivotTables that are created from OLAP cubes the summarized values are precalculated on the OLAP server before the SpreadsheetML application displays the results. These fields appear in the PivotTable field list but cannot be changed from within the PivotTable. You cannot change the summary function used to calculate data fields or subtotals, or add calculated items.

This is incompatible with existing documents and should be updated to reflect such prior art.

The noun “you” is also ambiguous and should be clarified.

Solution Proposed by the Submitter:

The standard should be updated to remove this restriction, as well as clarify who “you” is, by the following replacement:

~~Represents a calculated OLAP hierarchy. A calculated member is a member of an OLAP-based PivotTable whose value is calculated on the OLAP server. For PivotTables that are created from OLAP cubes the summarized values are precalculated on the OLAP server before the SpreadsheetML application displays the results. These fields appear in the PivotTable field list but cannot be changed from within the PivotTable. You cannot change the summary function used to calculate data fields or subtotals, or add calculated items.~~

A calculated member is a member in an OLAP hierarchy for which the value is calculated by an OLAP server using a Multidimensional Expressions (MDX) expression. For PivotTables that are created from OLAP cubes the summarized values are calculated by an OLAP server before the SpreadsheetML application displays the results. In OLAP PivotTables, the consuming application cannot change the summary function used to calculate totals and subtotals.

Schema Change(s) Needed: none

Editor’s Response:

2009-01-28 Okinawa meeting:

Although this is not an internal conflict in the standard, it is ambiguous in the context of current OLAP usage.

25. DR 09-0010 — SML, Workbook: Extensibility broken for externalLink

Status: Open

Subject: SML, Workbook: Extensibility broken for externalLink

Qualifier: Technical defect

Submitter: Ecma TC45

Contact Information: Rex Jaeschke (rex@RexJaeschke.com)

Submitter's Defect Number: Ecma-09-011

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-21

Deadline for Response from Editor: 2009-03-21

IS 29500 Reference(s): Part 1: §18.14.8, "externalLink (External Reference)", pp. 2248

Related DR(s): none

Nature of the Defect:

Summary

The standard states that the extLst child element is mutually exclusive with the externalBook, ddeLink and oleLink child elements.

This will limit the future proofing of the externalLink element as it directly forces a trade-off between extensibility (extLst) and content (externalBook, ddeLink and oleLink).

The intent of the extList child element is to add data in a backward compatible manner to the externalLink element when it is used in external book, DDE link and OLE link scenarios.

Solution Proposed by the Submitter:

The standard should be updated such that the externalBook, ddeLink and oleLink child elements are not mutually exclusive with the extLst child element.

Schema Change(s) Needed: Yes, both strict and relaxed versions of sml.xsd and sml.rnc.

```
<xsd:complexType name="CT_ExternalLink">
  <xsd:choice>
    <xsd:element name="externalBook" type="CT_ExternalBook"
      minOccurs="0" maxOccurs="1"/>
    <xsd:element name="ddeLink" type="CT_DdeLink" minOccurs="0"
      maxOccurs="1"/>
    <xsd:element name="oleLink" type="CT_OleLink" minOccurs="0"
      maxOccurs="1"/>
    <xsd:element name="extLst" minOccurs="0" type="CT_ExtensionList"/>
  </xsd:choice>
  <xsd:element name="extLst" minOccurs="0" type="CT_ExtensionList"/>
</xsd:complexType>
```

Editor's Response:

2009-01-28 Okinawa meeting:

This looks like a defect as it contradicts the intent of extLists.

26. DR 09-0011 — Shared MLs, Math: Incomplete list of valid child elements for Office Open XML Math objects

Status: Open

Subject: Shared MLs, Math: Incomplete list of valid child elements for Office Open XML Math objects

Qualifier: Technical defect

Submitter: Ecma TC45

Contact Information: Rex Jaeschke (rex@RexJaeschke.com)

Submitter's Defect Number: Ecma-09-012

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-21

Deadline for Response from Editor: 2009-03-21

IS 29500 Reference(s):

Part 1: §17.5.1.3, "customXml (Inline-Level Custom XML Element)", pp. 534

Part 1: §17.5.1.9, "smartTag (Inline-Level Smart Tag)", pp. 546

Part 1: §17.5.2.31, "sdt (Inline-Level Structured Document Tag)", pp. 590

Part 1: §17.16.19, "fldSimple (Simple Field)", pp. 1417

Part 1: §17.16.22, "hyperlink (Hyperlink)", pp. 1423

Part 1: §22.1.2.26, "deg (Degree)", pp. 4105

Part 1: §22.1.2.28, "den (Denominator)", pp. 4108

Part 1: §22.1.2.32, "e (Element (Argument))", pp. 4113

Part 1: §22.1.2.37, "fName (Function Name)", pp. 4122

Part 1: §22.1.2.52, "lim (Limit)", pp. 4137

Part 1: §22.1.2.75, “num (Numerator)”, pp. 4170

Part 1: §22.1.2.77, “oMath (Office Math)”, pp. 4173

Part 1: §22.1.2.112, “sub (Subscript (Pre-Sub-Superscript))”, pp. 4208

Part 1: §22.1.2.114, “sup (Superscript (Superscript object))”, pp. 4211

Related DR(s): none

Nature of the Defect:

Summary

The standard provides a list of the child elements which are allowed within elements defining objects in Office Open XML Math.

The corresponding schema definition for these elements fails to include several common WordprocessingML objects which are used within Office Open XML Math in existing documents and should be updated to reflect such prior art.

Background

The elements in question enable the use of common WordprocessingML constructs such as custom XML markup, fields, smart tags, structured document tags, and hyperlinks within Math elements.

Solution Proposed by the Submitter:

The standard should be updated to include the following parent elements for the customXml, fldSimple, hyperlink, sdt, and smartTag elements:

[deg \(§22.1.2.26\)](#); [den \(§22.1.2.28\)](#); [e \(§22.1.2.32\)](#); [fName \(§22.1.2.37\)](#); [lim \(§22.1.2.52\)](#); [num \(§22.1.2.75\)](#); [oMath \(§22.1.2.77\)](#); [sub \(§22.1.2.112\)](#); [sup \(§22.1.2.114\)](#)

The following child elements should be listed for the deg, den, e, fName, lim, num, oMath, sub, and sup elements:

customXml (Inline-Level Custom XML Element)	§17.5.1.3
fldSimple (Simple Field)	§17.16.19
hyperlink (Hyperlink)	§17.16.22
sdt (Inline-Level Structured Document Tag)	§17.5.2.31
smartTag (Inline-Level Smart Tag)	§17.5.1.9

Schema Change(s) Needed: Yes

In shared-math.xsd (and corresponding RELAX NG schema):

```
<xsd:group name="EG_OMathElements">
  <xsd:choice>
    <xsd:group ref="EG_OMathMathElements"/>
    <xsd:group ref="w:EG_RunLevelEltsw:EG_PContentMath"/>
  </xsd:choice>
</xsd:group>
```

Add the corresponding new groups to wml.xsd (and corresponding RELAX NG change):

```
<xsd:group name="EG_PContentMath">
  <xsd:choice>
    <xsd:group ref="EG_PContentBase" minOccurs="0" maxOccurs="unbounded" />
    <xsd:group ref="EG_ContentRunContentBase" minOccurs="0"
maxOccurs="unbounded" />
  </xsd:choice>
</xsd:group>
<xsd:group name="EG_PContentBase">
  <xsd:choice>
    <xsd:element name="customXml" type="CT_CustomXmlRun"/>
    <xsd:element name="fldSimple" type="CT_SimpleField" minOccurs="0"
maxOccurs="unbounded"/>
    <xsd:element name="hyperlink" type="CT_Hyperlink"/>
  </xsd:choice>
</xsd:group>
<xsd:group name="EG_ContentRunContentBase">
  <xsd:choice>
    <xsd:element name="smartTag" type="CT_SmartTagRun"/>
    <xsd:element name="sdt" type="CT_SdtRun"/>
    <xsd:group ref="EG_RunLevelEltsw" minOccurs="0" maxOccurs="unbounded" />
  </xsd:choice>
</xsd:group>
```

Editor's Response:

2009-01-28 Okinawa meeting:

Including the parent elements is editorial. The proposal to change the schema needs more discussion.

27. DR 09-0012 — Parts, Font Part: Incomplete definition for Font Part

Status: Open

Subject: Parts, Font Part: Incomplete definition for Font Part

Qualifier: Technical defect

Submitter: Ecma TC45

Contact Information: Rex Jaeschke (rex@RexJaeschke.com)

Submitter's Defect Number: Ecma-09-013

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-21

Deadline for Response from Editor: 2009-03-21

IS 29500 Reference(s): Part 1: §15.2.13, "Font Part", pp. 159

Related DR(s): none

Nature of the Defect:

Summary

The standard declares three content types for the Font Part, yet only defines the contents for the first two content types:

- application/x-fontdata
- application/x-font-ttf

The standard fails to define the contents for the third content type:

- application/vnd.openxmlformats.officedocument.obfuscatedFont

This content type is used within existing Office Open XML documents and should be properly defined by the standard.

Background

The content type in question allows applications to distinguish between TrueType/OpenType fonts included in Office Open XML documents without obfuscation, and those obfuscated using the algorithm defined by the Font Embedding (§17.8.1) subclause within WordprocessingML.

Existing documents use the obfuscatedFont content type to specify that the font in question has been obfuscated and must be handled according to the rules in the section referenced above.

Solution Proposed by the Submitter:

Include a definition of the third content type: application/vnd.openxmlformats officedocument.obfuscatedFont. Specifically, add the following to the list on pp. 160 to define this content type:

[application/vnd.openxmlformats officedocument.obfuscatedFont specifies that the font is stored in the TrueType or OpenType format and is obfuscated using the algorithm specified by Font Embedding \(§17.8.1\). Only packages of type WordprocessingML are permitted to reference this content type.](#)

Schema Change(s) Needed: none

Editor's Response:

2009-01-28 Okinawa meeting:

Not addressing this will complicate interoperability. Binary documents use obfuscated fonts. If this proposal is accepted, we'll need to register the additional media type with IANA.

28. DR 09-0013 — SML: Incorrect restriction on externalData

Status: Open

Subject: SML: Incorrect restriction on externalData

Qualifier: Technical defect

Submitter: Ecma TC45

Contact Information: Rex Jaeschke (rex@RexJaeschke.com)

Submitter's Defect Number: Ecma-09-014

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-21

Deadline for Response from Editor: 2009-03-21

IS 29500 Reference(s): Part 1: §21.2.2.63, "externalData (External Data Relationship)", pp. 3790

Related DR(s): none

Nature of the Defect:

Summary

The standard declares a single valid relationship type for this element via the id attribute:

http://schemas.openxmlformats.org/officeDocument/2006/relationships_package

This is incompatible with existing documents and should be updated to reflect such prior art.

Solution Proposed by the Submitter:

Add the following relationship type to the list of valid relationship types for this element via the id attribute:

http://schemas.openxmlformats.org/officeDocument/2006/relationships_oleObject

Schema Change(s) Needed: none

Editor's Response:

2009-01-28 Okinawa meeting:

Not addressing this will complicate interoperability.

29. DR 09-0014 — SML: Incorrect restriction on the Name Representation

Status: [Closed; will be incorporated in COR1](#)~~Open~~

Subject: SML: Incorrect restriction on the Name Representation

Qualifier: Editorial defect

Submitter: Ecma TC45

Contact Information: Rex Jaeschke (rex@RexJaeschke.com)

Submitter's Defect Number: Ecma-09-015

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-21

Deadline for Response from Editor: 2009-03-21

IS 29500 Reference(s): Part 1: §18.17.6.5, "Name Representation", pp. 2300

Related DR(s): none

Nature of the Defect:

Summary

The standard states that named cells, or cell ranges, should be defined in the Worksheet part, implying that uniqueness is at the Worksheet part.

It is asserted that this is inconsistent with the intent of this element. Looking at the list of valid parent elements, we only see Workbook and not Worksheet. As such, there is a conflict between the intent implied in the XML and the prose as currently written.

Solution Proposed by the Submitter:

Correct the location as to where named cells, or cell ranges, need to be defined, as follows:

"These names shall be defined in the ~~Worksheet~~[Workbook](#) part's XML ..."

Schema Change(s) Needed: none

Editor's Response:

2009-01-28 Okinawa meeting:

This is editorial; make the text match the schema.

30. DR 09-0015 — SML: Incomplete list of formula error value constants and valid expression error values

Status: Open

Subject: SML: Incomplete list of formula error value constants and valid expression error values

Qualifier: Technical defect

Submitter: Ecma TC45

Contact Information: Rex Jaeschke (rex@RexJaeschke.com)

Submitter's Defect Number: Ecma-09-016

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-21

Deadline for Response from Editor: 2009-03-21

IS 29500 Reference(s):

Part 1: §18.17.2.1, "Constants", pp. 2276

Part 1: §18.17.3, "Error values", pp. 2291

Related DR(s): none

Nature of the Defect:

Summary

The standard defines a set of valid formula error constants which is incomplete as it fails to include the #GETTING_DATA error constant.

The standard defines a set of valid error values for expressions which is incomplete as it fails to include the #GETTING_DATA error.

This is incompatible with existing documents and should be updated to reflect such prior art.

Background

Existing documents make use of the constant and the expression error when using external data.

Solution Proposed by the Submitter:

Include the #GETTING_DATA error constant in the list of formula error values:

```
error-constant=
"#DIV/0! " | "#N/A" | "#NAME? " | "#NULL! " |
"#NUM! " | "#REF! " | "#VALUE! " | "#GETTING DATA" ;
```

Include the #GETTING_DATA error in the list of valid error values for expressions:

<u>#GETTING DATA</u>	<u>Intended to indicate when a cell reference cannot be evaluated because the value for the cell has not been retrieved or calculated.</u>
----------------------	--

Schema Change(s) Needed: none

Editor's Response:

2009-01-28 Okinawa meeting:

Not addressing this will complicate interoperability. Binary documents use this.

31. DR 09-0016 — SML, Formulas: Incorrect attribute name in Array Formulas

Status: Open

Subject: SML, Formulas: Incorrect attribute name in Array Formulas

Qualifier: Technical defect

Submitter: Ecma TC45

Contact Information: Rex Jaeschke (rex@RexJaeschke.com)

Submitter's Defect Number: Ecma-09-018

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-21

Deadline for Response from Editor: 2009-03-21

IS 29500 Reference(s): Part 1: §18.17.6.3, "Array Formulas", pp. 2298

Related DR(s): none

Nature of the Defect:

Summary

The standard states that the attribute used to define the reference to which the formula applies is named r.

This is incompatible with existing documents and should be updated to reflect such prior art.

Background

Existing documents use the name ref for this attribute.

Solution Proposed by the Submitter:

Use the name ref for the ST_CellRef in array formulas. Updates include those to **prose, examples** and schemas.

Schema Change(s) Needed: Yes, both strict and relaxed versions of sml.xsd and sml.rnc.

```
<xsd:complexType name="CT_CalcCell">
  <xsd:attribute name="rref" type="ST_CellRef" use="required"/>
  <xsd:attribute name="i" type="xsd:int" use="optional" default="0"/>
  <xsd:attribute name="s" type="xsd:boolean" use="optional"
    default="false"/>
  <xsd:attribute name="l" type="xsd:boolean" use="optional"
    default="false"/>
  <xsd:attribute name="t" type="xsd:boolean" use="optional"
    default="false"/>
  <xsd:attribute name="a" type="xsd:boolean" use="optional"
    default="false"/>
</xsd:complexType>
```

Editor's Response:

2009-01-28 Okinawa meeting:

Not addressing this will complicate interoperability.

32. DR 09-0017 — WML, Annotations: Inserted math control character missing valid child

Status: Open

Subject: WML, Annotations: Inserted math control character missing valid child

Qualifier: Technical defect

Submitter: Ecma TC45

Contact Information: Rex Jaeschke (rex@RexJaeschke.com)

Submitter's Defect Number: Ecma-09-019

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-21

Deadline for Response from Editor: 2009-03-21

IS 29500 Reference(s): Part 1: §17.13.5.16, “ins (Inserted Math Control Character)”, pp. 957

Related DR(s): [DR 09-0018](#) — Shared MLs, Math: Previous Run Properties not valid child of deleted math control character

Nature of the Defect:

Defect Summary

The standard states that the ins and del elements are mutually exclusive when present as a child element of the ctrlPr element (when storing revision information for a Math control character, such as a fraction bar).

However, this definition is incompatible with existing documents which store insertion and deletion data simultaneously for the same control character.

Background

When a range of text in a WordprocessingML document is inserted by one user, then subsequently deleted by another user (common in heavily revised documents), the revision data must store an insertion containing a deletion in order to be fully expressive.

This is done by allowing the del element to optionally appear within the ins element to store these precise conditions.

Solution Proposed by the Submitter:

Allow the del element to be a valid child when a math control character is part of both a tracked insertion and tracked deletion in order to represent the condition mentioned above.

Schema Change(s) Needed: Yes, both strict and relaxed versions of wml.xsd and wml.rnc.

```
<xsd:group name="EG_RPrMath">
  <xsd:choice>
    <xsd:group ref="EG_RPr"/>
    <xsd:element name="ins" type="CT_RPrChangeCT_MathCtrlIns"/>
    <xsd:element name="del" type="CT_RPrChange"/>
  </xsd:choice>
</xsd:group>
<xsd:complexType name="CT_MathCtrlIns">
  <xsd:complexContent>
    <xsd:extension base="CT_TrackChange">
      <xsd:choice minOccurs="0">
        <xsd:element name="del" type="CT_RPrChange" minOccurs="1"/>
        <xsd:element name="rPr" type="CT_RPr" minOccurs="1"/>
      </xsd:choice>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>
```

Editor's Response:

2009-01-28 Okinawa meeting:

Failure to fix this precludes implementers of WordprocessingML from supporting change tracking of Math objects.

Does this apply to the entire Math object or to individual elements within?

33. DR 09-0018 — Shared MLs, Math: Previous Run Properties not valid child of deleted math control character

Status: Open

Subject: Shared MLs, Math: Previous Run Properties not valid child of deleted math control character

Qualifier: Technical defect

Submitter: Ecma TC45

Contact Information: Rex Jaeschke (rex@RexJaeschke.com)

Submitter's Defect Number: Ecma-09-020

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-21

Deadline for Response from Editor: 2009-03-21

IS 29500 Reference(s): Part 1: §17.13.5.13, “del (Deleted Math Control Character)”, pp. 949

Related DR(s): [DR 09-0017](#) — WML, Annotations: Inserted math control character missing valid child

Nature of the Defect:

Summary

The standard states that the rPr element stored within the del element is of type CT_RPrOriginal, which means that this set of run properties is incapable of storing formatting revision information.

However, there exist existing documents which contain formatting revision information data for a deleted control character, which must be maintained.

Background

When formatting of a run is changed and that change is tracked, the original formatting information is typically stored beneath an rPrChange element within the parent rPr element. The CT_RPrOriginal complex type does not permit the presence of an rPrChange element to store this information.

Solution Proposed by the Submitter:

Remove rPr (Previous Run Properties - §17.3.2.27) as a valid child, and replace it with rPr (Run Properties - §17.3.2.28), which includes the rPrChange element.

Schema Change(s) Needed: Yes, both strict and relaxed versions of wml.xsd and wml.rnc.

```

<xsd:group name="EG_RPrMath">
  <xsd:choice>
    <xsd:group ref="EG_RPr"/>
    <xsd:element name="ins" type="CT_RPrChange"/>
    <xsd:element name="del" type="CT_RPrChangeCT_MathCtrlDel"/>
  </xsd:choice>
</xsd:group>
<xsd:complexType name="CT_MathCtrlDel">
  <xsd:complexContent>
    <xsd:extension base="CT_TrackChange">
      <xsd:choice minOccurs="0">
        <xsd:element name="rPr" type="CT_RPr" minOccurs="1"/>
      </xsd:choice>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>

```

Editor's Response:

2009-01-28 Okinawa meeting:

Failure to fix this precludes implementers of WordprocessingML from supporting change tracking of Math objects.

34. DR 09-0019 — Shared MLs, Math: Previous Run Properties not valid child of inserted math control character

Status: Open

Subject: Shared MLs, Math: Previous Run Properties not valid child of inserted math control character

Qualifier: Technical defect

Submitter: Ecma TC45

Contact Information: Rex Jaeschke (rex@RexJaeschke.com)

Submitter's Defect Number: Ecma-09-021

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-21

Deadline for Response from Editor: 2009-03-21

IS 29500 Reference(s): Part 1: §17.13.5.16, “ins (Inserted Math Control Character)”, pp. 957

Related DR(s): [DR 09-0017](#) — WML, Annotations: Inserted math control character missing valid child

Nature of the Defect:

Summary

The standard states that the rPr element stored within the ins element is of type CT_RPrOriginal, which means that this set of run properties is incapable of storing formatting revision information.

However, there exist existing documents which contain formatting revision information data for an inserted control character, which must be maintained.

Background

When formatting of a run is changed and that change is tracked, the original formatting information is typically stored beneath an rPrChange element within the parent rPr element. The CT_RPrOriginal complex type does not permit the presence of an rPrChange element to store this information.

Solution Proposed by the Submitter:

Remove rPr (Previous Run Properties - §17.3.2.27) as a valid child, and replace it with rPr (Run Properties - §17.3.2.28), which includes the rPrChange element.

Schema Change(s) Needed: none

The type of the rPr element in the newly created CT_MathCtrlIns complex type should be CT_RPr, not CT_RPrOriginal:

```
<xsd:complexType name="CT_MathCtrlIns">
  <xsd:complexContent>
    <xsd:extension base="CT_TrackChange">
      <xsd:choice minOccurs="0">
        <xsd:element name="del" type="CT_RPrChange" minOccurs="1"/>
        <xsd:element name="rPr" type="CT_RPrOriginalCT_RPr[A4]" minOccurs="1"/>
      </xsd:choice>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>
```

Editor's Response:

None

35. DR 09-0020 — SML: Incorrect restriction on scenario

Status: Open

Subject: SML: Incorrect restriction on scenario

Qualifier: Editorial defect

Submitter: Ecma TC45

Contact Information: Rex Jaeschke (rex@RexJaeschke.com)

Submitter's Defect Number: Ecma-09-022

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-21

Deadline for Response from Editor: 2009-03-21

IS 29500 Reference(s): Part 1: §18.3.1.75, "scenario (Scenario)", pp. 1853

Related DR(s): none

Nature of the Defect:

Defect Summary

The standard states that named scenarios should be defined in the Workbook part, implying that uniqueness is at the Workbook part.

It is asserted that this is inconsistent with the intent of this element. Looking at the list of valid parent elements, we only see Worksheet and not Workbook. As such, there is a conflict between the intent implied in the XML and the prose as currently written.

Solution Proposed by the Submitter:

Correct the location as to where named scenarios need to be defined:

"Scenario's name (user input). Shall be unique for the ~~workbook~~[worksheet](#)."

Schema Change(s) Needed: none

Editor's Response:

2009-01-28 Okinawa meeting:

This is a defect.

36. DR 09-0021 — SML, Pivot Tables: Incorrect restriction on item

Status: Open

Subject: SML, Pivot Tables: Incorrect restriction on item

Qualifier: Technical defect

Submitter: Ecma TC45

Contact Information: Rex Jaeschke (rex@RexJaeschke.com)

Submitter's Defect Number: Ecma-09-023

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-21

Deadline for Response from Editor: 2009-03-21

IS 29500 Reference(s): Part 1: §18.10.1.45, "item (PivotTable Field Item)", pp. 2069

Related DR(s): none

Nature of the Defect:

Defect Summary

The standard states that the x attribute (item index) for the item element applies only to non-OLAP PivotTables.

This is incompatible with existing documents and should be updated to reflect such prior art.

Background

Existing documents use the x attribute for both OLAP and non-OLAP PivotTables.

Solution Proposed by the Submitter:

Remove the non-OLAP restriction:

~~Applies only non-OLAP PivotTables.~~

Schema Change(s) Needed: none

Editor's Response:

2009-01-28 Okinawa meeting:

Not addressing this will complicate interoperability.

37. DR 09-0022 — SML: Incomplete set of format symbols for numFmts

Status: Open

Subject: SML: Incomplete set of format symbols for numFmts

Qualifier: Technical defect

Submitter: Ecma TC45

Contact Information: Rex Jaeschke (rex@RexJaeschke.com)

Submitter's Defect Number: Ecma-09-024

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-21

Deadline for Response from Editor: 2009-03-21

IS 29500 Reference(s): Part 1: §18.8.31, "numFmts (Number Formats)", pp. 1972

Related DR(s): none

Nature of the Defect:

Defect Summary

The standard states does not include the fraction format symbol, *"/"*, in the list of valid format symbols for numFmts.

This is incompatible with existing documents and should be updated to reflect such prior art.

Background

Existing documents contain the fraction format symbol.

Solution Proposed by the Submitter:

Add the fraction format symbol, *"/"*, to the list of valid format symbols, as follows:

The fraction format symbol displays the number in the format of a fraction. It is interpreted as the fraction format symbol only when preceded and followed by a number symbol (0, #, and ?).

Schema Change(s) Needed: none

Editor's Response:

2009-01-28 Okinawa meeting:

Not addressing this will complicate interoperability.

38. DR 09-0023 — SML, Parts: Incorrect naming of Root Element for certain parts

Status: Open

Subject: SML, Parts: Incorrect naming of Root Element for certain parts

Qualifier: Technical defect

Submitter: Ecma TC45

Contact Information: Rex Jaeschke (rex@RexJaeschke.com)

Submitter's Defect Number: Ecma-09-025

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-21

Deadline for Response from Editor: 2009-03-21

IS 29500 Reference(s): Part 1: §12.3, "Part Summary", pp. 67

Related DR(s): none

Nature of the Defect:

Summary

The standard states a set of root element names for each part in SpreadsheetML.

As defined in this set, the standard uses the following root element names:

Part	Relationship Target of	Root Element	Ref.
Custom XML Mappings	Workbook	mapInfo	§12.3.6
Dialogsheet	Workbook	dialogSheet	§12.3.7
External Workbook References	Workbook	externalReference	§12.3.9

Single Cell Table Definitions	Dialogsheet, Worksheet	singleCells	§12.3.19
-------------------------------	------------------------	-------------	----------

These entries are incompatible with existing documents and should be updated to reflect such prior art.

Background

Existing documents use different root element names for these parts.

Solution Proposed by the Submitter:

Use root element names that are found in existing documents:

Part	Relationship Target of	Root Element	Ref.
Custom XML Mappings	Workbook	mapInfo MapInfo	§12.3.6
Dialogsheet	Workbook	dialogSheet dialogsheet	§12.3.7
External Workbook References	Workbook	externalReference externalLink	§12.3.9
Single Cell Table Definitions	Dialogsheet, Worksheet	singleCells singleXmlCells	§12.3.19

Schema Change(s) Needed: none

Editor's Response:

2009-01-28 Okinawa meeting:

Not addressing this will complicate interoperability. As there is an internal conflict between the narrative and the schema, this is a defect.

39. DR 09-0024 — SML, Parts: Incomplete set of implicit relationships for Worksheet Part

Status: Open

Subject: SML, Parts: Incomplete set of implicit relationships for Worksheet Part

Qualifier: Technical defect

Submitter: Ecma TC45

Contact Information: Rex Jaeschke (rex@RexJaeschke.com)

Submitter's Defect Number: Ecma-09-026

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-21

Deadline for Response from Editor: 2009-03-21

IS 29500 Reference(s): Part 1: §12.3.24, "Worksheet Part", pp. 99

Related DR(s): none

Nature of the Defect:

Defect Summary

The standard states an incomplete set of valid implicit relationships for the Worksheet Part. This set is missing the relationship to the Query Table Part as defined in §12.3.14.

This is incompatible with existing documents and should be updated to reflect such prior art.

Background

Existing documents contain implicit relationships between the Worksheet Part and the Query Table Part.

Solution Proposed by the Submitter:

Add the Query Table Part to the list of valid implicit relationships for the Worksheet Part.

Schema Change(s) Needed: none

Editor's Response:

2009-01-28 Okinawa meeting:

Not addressing this will like result in implementations ignoring what the standard says in this regard.

40. DR 09-0025 — SML, Parts: Incorrect Root Namespace for the Styles Part

Status: Open

Subject: SML, Parts: Incorrect Root Namespace for the Styles Part

Qualifier: Technical defect

Submitter: Ecma TC45

Contact Information: Rex Jaeschke (rex@RexJaeschke.com)

Submitter's Defect Number: Ecma-09-027

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-21

Deadline for Response from Editor: 2009-03-21

IS 29500 Reference(s): Part 1: §12.3.20, "Styles Part", pp. 94

Related DR(s): none

Nature of the Defect:

Summary

The standard states an incorrect root namespace for the Style Part of a spreadsheet:

<http://schemas.openxmlformats.org/spreadsheetml/2006/mains>

The trailing "s" character is inconsistent with all other root namespaces for all other spreadsheet parts, and in fact, all other parts within the standard. It is asserted that the trailing "s" character is a typographical error.

This is incompatible with existing documents and should be updated to reflect such prior art.

Background

Existing documents contain Style Parts with root namespaces of this form:

<http://schemas.openxmlformats.org/spreadsheetml/2006/main>

Solution Proposed by the Submitter:

Remove the trailing “s” character:

<http://schemas.openxmlformats.org/spreadsheetml/2006/main>s

Schema Change(s) Needed: none

Editor’s Response:

2009-01-28 Okinawa meeting:

Not addressing this will complicate interoperability. As the narrative doesn’t match the schemas, this is a defect.

41. DR 09-0026 — SML: xml:space attribute note declared in SpreadsheetML

Status: Open

Subject: SML: xml:space attribute note declared in SpreadsheetML

Qualifier: Technical defect

Submitter: Ecma TC45

Contact Information: Rex Jaeschke (rex@RexJaeschke.com)

Submitter's Defect Number: Ecma-09-028

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-21

Deadline for Response from Editor: 2009-03-21

IS 29500 Reference(s):

Part 1: §18.2.5 definedName (Defined Name), pp. 1715

Part 1: §18.3.1.38 evenFooter (Even pp. Footer), pp. 1802

Part 1: §18.3.1.29 evenHeader (Even pp. Header), pp. 1803

Part 1: §18.3.1.40 f (Formula), pp. 1805

Part 1: §18.3.1.41 firstFooter (First pp. Footer), pp. 1808

Part 1: §18.3.1.42 firstHeader (First pp. Header), pp. 1809

Part 1: §18.3.1.43 formula (Formula), pp. 1809

Part 1: §18.3.1.44 formula1 (Formula1), pp. 1809

Part 1: §18.3.1.45 formula2 (Formula2), pp. 1810

Part 1: §18.3.1.57 oddFooter (Odd pp. Footer), pp. 1823

Part 1: §18.3.1.58 oddHeader (Odd pp. Header), pp. 1823

Part 1: §18.3.1.96 v (Cell Value), pp. 1883

Part 1: §18.4.12 t (Text), pp. 1906

Part 1: §18.5.1.1 calculatedColumnFormula (Calculated Column Formula), pp. 1908

Part 1: §18.7.1 author (Author), pp. 1929

Part 1: §21.2.2.59 evenFooter (Even Footer), pp. 3788

Part 1: §21.2.2.60 evenHeader (Even Header), pp. 3789

Part 1: §21.2.2.66 firstFooter (First Footer), pp. 3792

Part 1: §21.2.2.67 firstHeader (First Header), pp. 3792

Part 1: §21.2.2.124 oddFooter (Odd Footer), pp. 3817

Part 1: §21.2.2.125 oddHeader (Odd Header), pp. 3818

Part 1: §22.6.2.5 author (Author), pp. 4269

Related DR(s): none

Nature of the Defect:

Summary

The above referenced elements are intended to capture customer data, which may or may not include white space (spaces, tabs and blank lines). In the context of customer data, such white space should be considered significant and that that intention needs to be signaled to the consuming application program.

The xml:space attribute, as defined in the XML 1.0 specification, is used to “signal an intention that in that element, white space should be preserved by applications”. The standard fails to declare the xml:space attribute for the above reference elements. Without declaring the xml:space attribute, there is no manner to signal to a consuming application program that such data should be considered significant and hence preserved. Without such a signal, there is a potential data loss scenario.

Solution Proposed by the Submitter:

The standard should be updated to declare the xml:space attribute as valid for the above referenced elements.

Schema Change(s) Needed: Yes

Editor’s Response:

2009-01-28 Okinawa meeting:

We need to examine the XML recommendation regarding the use of xml:space, in general, as well as in schemas.

42. DR 09-0027 — Shared Simple Types: Unnecessary text in description of ST_String

Status: Open

Subject: Shared Simple Types: Unnecessary text in description of ST_String

Qualifier: Editorial defect

Submitter: Mr. Makoto Murata (JP)

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00000

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 1, §22.9.2.13, "ST_String (String)", pp. 4329

Related DR(s): none

Nature of the Defect:

With the exception of the first and last sentence, this entire subclause is misguided, since context dependencies should not be described here. It is true that the semantics of text in ISO/IEC 29500 is sometimes dependent on parent or ancestor elements. However, such context dependencies have nothing to do with the datatype ST_String, but are part of the element or attribute semantics.

Solution Proposed by the Submitter:

Remove from §22.9.2.13 the second sentence and the example.

Schema Change(s) Needed: No

Editor's Response:

2009-01-28 Okinawa meeting:

There were doubts about whether this is a DR. In any event, it's an editorial change. No decision was made.

43. DR 09-0028 — WML, Custom XML and Smart Tags: Tighten data types

Status: Open

Subject: WML, Custom XML and Smart Tags: Tighten data types

Qualifier: Technical defect

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00001

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 1, §17.5.1, "Custom XML and Smart Tags", pp. 528

Related DR(s): none

Nature of the Defect:

The attributes name, element, and uri are of the datatype ST_String, which allows every string. The use of ST_String is too loose, since namespace names are IRIs and element or attribute names are XML names without colons.

Solution Proposed by the Submitter:

Use xsd:anyURI for the attribute uri, and use xsd:NCName for the attributes name and element.

Schema Change(s) Needed: Yes, transitional and strict versions of ??.

Editor's Response:

2009-01-28 Okinawa meeting:

The situation could be improved by changing the schema, but this is not a defect, per se. No decision was made.

44. DR 09-0029 — WML, Custom XML and Smart Tags: Specification for Validation Lacking

Status: Open

Subject: WML, Custom XML and Smart Tags: Specification for Validation Lacking

Qualifier: Request for clarification

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00002

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 1, §17.5.1, "Custom XML and Smart Tags", pp. 528

Related DR(s): none

Nature of the Defect:

Validation of custom XML markups is not clearly specified. Demonstrating examples are strongly needed.

Solution Proposed by the Submitter:

Show an XML fragment constructed from the example in pp. 530. Explain which schema is used for validating the XML fragment and how that schema is found.

Schema Change(s) Needed: No

Editor's Response:

2009-01-28 Okinawa meeting:

Action: Shawn Villaron will look at this.

No decision was made.

45. DR 09-0030 — OPC: Placement of package RelationshipReference elements

Status: Open

Subject: OPC: Placement of package RelationshipReference elements

Qualifier: Technical defect

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00003

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 2, §13.2.4.22, "RelationshipReference Element", pp. 55

Related DR(s): none

Nature of the Defect:

It is not clear where in an OPC package RelationshipReference elements can appear. We can imagine that they are allowed in a XML digital signature, but this is never clearly stated, with the exception of diagrams and opc-digSig.rnc. The same thing applies to RelationshipsGroupReference elements (§13.2.4.23) and SignatureTime elements (§13.2.4.19).

Solution Proposed by the Submitter:

Explicitly state that RelationshipReference and RelationshipsGroupReference elements can appear only in Transform elements of a XML digital signature, and that SignatureTime elements can appear only in SignaturePropertyType elements of a XML digital signature. Furthermore, please clearly state whether or not Transform and SignaturePropertyType elements can have any other elements as children.

Schema Change(s) Needed: Yes, (which?)

Editor's Response:

None

46. DR 09-0031 — General: Request for support of Unicode 5.1.0

Status: Open

Subject: General: Request for support of Unicode 5.1.0

Qualifier: Technical defect

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00004

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 1, §3, "Normative References", pp. 8

Related DR(s): none

Nature of the Defect:

ISO/IEC 10646:2003 and the Unicode Standard Version 5.0 are referenced. However, Unicode 5.1.0 adds 1,624 newly encoded characters. OOXML is unable to take advantage of such characters.

Solution Proposed by the Submitter:

Follow the conformance criteria C062, C063, C064, and C065 in "Character Model for the World Wide Web 1.0: Fundamentals" (W3C Recommendation 15 February 2005) and make a generic reference to the Unicode Standard and ISO/IEC 10646.

Specifically, we propose references as below:

Unicode: The Unicode Consortium, The Unicode Standard, Version 5, ISBN 0321480910, as updated from time to time by the publication of new versions. (See <http://www.unicode.org/unicode/standard/versions> for the latest version and additional information

on versions of the standard and of the Unicode 5.1.0: The Unicode Consortium. The Unicode Standard, Version 5.1.0, defined by: The Unicode Standard, Version 5.0 (Boston, MA, Addison-Wesley, 2007. ISBN 0-321-48091-0) (<http://www.unicode.org/versions/Unicode5.0.0/>), as amended by Unicode 5.1.0 (<http://www.unicode.org/versions/Unicode5.1.0/>).

ISO/IEC 10646: ISO/IEC 10646:2003, Information technology – Universal Multiple-Octet Coded Character Set (UCS), as, from time to time, amended, replaced by a new edition or expanded by the addition of new parts. (See <http://standards.iso.org/ittf/PubliclyAvailableStandards/index.html> for the latest version.)

Schema Change(s) Needed: None

Editor's Response:

None

47. DR 09-0032 — General: Inappropriate use of “content type”

Status: Open

Subject: General: Inappropriate use of “content type”

Qualifier: Editorial defect

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter’s Defect Number: 08-00005

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 1, §4, “Terms and Definitions”, pp. 12

Related DR(s): none

Nature of the Defect:

The term "content type" is inappropriate. MIME RFCs use "media type".

Also, the reference to RFC 2616 in the definition of "content type" is inappropriate. RFC 2616 is the HTTP 1.1 specification and never defines "content type" or "media type", although HTTP 1.1 and MIME RFCs have a field named "content-type".

Solution Proposed by the Submitter:

Replace "content type" with "media type" everywhere.

Reference RFC 2046 rather than RFC 2616.

Schema Change(s) Needed:

Editor’s Response:

None

48. DR 09-0033 — DML, Charts, Simple Types: Lack of support for percent sign

Status: Open

Subject: DML, Charts, Simple Types: Lack of support for percent sign

Qualifier: Technical defect

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00006

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s):

Part 1, §21.2.2.41, "depthPercent (Depth Percent)", pp. 3780

Part 1, §21.2.2.83, "hPercent (Height Percent)", pp. 3800

Part 1, §21.2.3.9, "ST_DepthPercent (Depth Percent)", pp. 3880

Part 1, §21.2.3.19, "ST_HPercent (Height Percent)", pp. 3885

Related DR(s): none

Nature of the Defect:

Two simple types in the strict dml-chart.xsd, namely ST_DepthPercent and ST_HPercent, are used to represent percent values, but they do not allow the percent sign (see BRM Resolution 6).

Part 1, §21.2.2.41, depthPercent (Depth Percent) ... Specifies an integer value for the property defined by the parent XML element. The possible values for this attribute are defined by the ST_DepthPercent simple type (§21.2.3.9).

Part 1, §21.2.2.83, hPercent (Height Percent) ... Specifies that the contents of this attribute contain a height percent between 5 and 500. The possible values for this attribute are defined by the ST_HPercent simple type (§21.2.3.19).

Part 1, §21.2.3.9, ST_DepthPercent (Depth Percent): This simple type specifies that its contents contain a whole number between 20 and 2000, whose contents are a percentage. This simple type's contents are a restriction of the W3C XML Schema unsignedShort datatype.

Part 1, §21.2.3.19, ST_HPercent (Height Percent): This simple type specifies that its contents contain an integer between 5 and 500, whose contents are a percentage. This simple type's contents are a restriction of the W3C XML Schema unsignedShort datatype.

Solution Proposed by the Submitter:

None

Schema Change(s) Needed: Yes, strict dml-chart.xsd

Editor's Response:

None

49. DR 09-0034 — General: Numerous media types should be registered at IANA

Status: Open

Subject: General: Numerous media types should be registered at IANA

Qualifier: Technical defect

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00007

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 1, §1, pp. N/A

Related DR(s): none

Nature of the Defect:

The following OOXML media types are not registered at IANA:

1. application/vnd.ms-office.activeX+xml
2. application/vnd.openxmlformats-officedocument.customXmlProperties+xml
3. application/vnd.openxmlformats-officedocument.drawing+xml
4. application/vnd.openxmlformats-officedocument.drawingml.chart+xml
5. application/vnd.openxmlformats-officedocument.drawingml.chartshapes+xml
6. application/vnd.openxmlformats-officedocument.drawingml.diagramColors+xml
7. application/vnd.openxmlformats-officedocument.drawingml.diagramData+xml
8. application/vnd.openxmlformats-officedocument.drawingml.diagramLayout+xml
9. application/vnd.openxmlformats-officedocument.drawingml.diagramStyle+xml
10. application/vnd.openxmlformats-officedocument.obfuscatedFont
11. application/vnd.openxmlformats-officedocument.presentationml.commentAuthors+xml
12. application/vnd.openxmlformats-officedocument.presentationml.comments+xml

13. application/vnd.openxmlformats-officedocument.presentationml.handoutMaster+xml
14. application/vnd.openxmlformats-officedocument.presentationml.notesMaster+xml
15. application/vnd.openxmlformats-officedocument.presentationml.notesSlide+xml
16. application/vnd.openxmlformats-officedocument.presentationml.presProps+xml
17. application/vnd.openxmlformats-officedocument.presentationml.presentation.main+xml
18. application/vnd.openxmlformats-officedocument.presentationml.slide+xml
19. application/vnd.openxmlformats-officedocument.presentationml.slideLayout+xml
20. application/vnd.openxmlformats-officedocument.presentationml.slideMaster+xml
21. application/vnd.openxmlformats-officedocument.presentationml.slideUpdateInfo+xml
22. application/vnd.openxmlformats-officedocument.presentationml.slideUpdateInfo+xml.
23. application/vnd.openxmlformats-officedocument.presentationml.slideshow.main+xml
24. application/vnd.openxmlformats-officedocument.presentationml.tableStyles+xml
25. application/vnd.openxmlformats-officedocument.presentationml.tags+xml
26. application/vnd.openxmlformats-officedocument.presentationml.template.main+xml
27. application/vnd.openxmlformats-officedocument.presentationml.viewProps+xml
28. application/vnd.openxmlformats-officedocument.spreadsheetml.calcChain+xml
29. application/vnd.openxmlformats-officedocument.spreadsheetml.chartsheet+xml
30. application/vnd.openxmlformats-officedocument.spreadsheetml.comments+xml
31. application/vnd.openxmlformats-officedocument.spreadsheetml.connections+xml
32. application/vnd.openxmlformats-officedocument.spreadsheetml.customProperty
33. application/vnd.openxmlformats-officedocument.spreadsheetml.dialogsheet+xml
34. application/vnd.openxmlformats-officedocument.spreadsheetml.externalLink+xml
35. application/vnd.openxmlformats-officedocument.spreadsheetml.pivotCacheDefinition+xml
36. application/vnd.openxmlformats-officedocument.spreadsheetml.pivotCacheRecords+xml
37. application/vnd.openxmlformats-officedocument.spreadsheetml.pivotTable+xml
38. application/vnd.openxmlformats-officedocument.spreadsheetml.printerSettings(in
39. application/vnd.openxmlformats-officedocument.spreadsheetml.queryTable+xml
40. application/vnd.openxmlformats-officedocument.spreadsheetml.revisionHeaders+xml
41. application/vnd.openxmlformats-officedocument.spreadsheetml.revisionLog+xml
42. application/vnd.openxmlformats-officedocument.spreadsheetml.sharedStrings+xml
43. application/vnd.openxmlformats-officedocument.spreadsheetml.sheet.main+xml
44. application/vnd.openxmlformats-officedocument.spreadsheetml.sheetMetadata+xml
45. application/vnd.openxmlformats-officedocument.spreadsheetml.styles+xml
46. application/vnd.openxmlformats-officedocument.spreadsheetml.table+xml
47. application/vnd.openxmlformats-officedocument.spreadsheetml.tableSingleCells+xml
48. application/vnd.openxmlformats-officedocument.spreadsheetml.template.main+xml
49. application/vnd.openxmlformats-officedocument.spreadsheetml.userNames+xml
50. application/vnd.openxmlformats-officedocument.spreadsheetml.volatileDependencies+xml
51. application/vnd.openxmlformats-officedocument.spreadsheetml.worksheet+xml
52. application/vnd.openxmlformats-officedocument.theme+xml
53. application/vnd.openxmlformats-officedocument.themeOverride+xml
54. application/vnd.openxmlformats-officedocument.vmlDrawing

55. application/vnd.openxmlformats-officedocument.wordprocessingml.comments+xml
56. application/vnd.openxmlformats-officedocument.wordprocessingml.document
57. application/vnd.openxmlformats-officedocument.wordprocessingml.document.glossary+xml
58. application/vnd.openxmlformats-officedocument.wordprocessingml.endnotes+xml
59. application/vnd.openxmlformats-officedocument.wordprocessingml.fontTable+xml
60. application/vnd.openxmlformats-officedocument.wordprocessingml.footer+xml
61. application/vnd.openxmlformats-officedocument.wordprocessingml.footnotes+xml
62. application/vnd.openxmlformats-officedocument.wordprocessingml.header+xml
63. application/vnd.openxmlformats-officedocument.wordprocessingml.numbering+xml
64. application/vnd.openxmlformats-officedocument.wordprocessingml.printerSettings
65. application/vnd.openxmlformats-officedocument.wordprocessingml.settings+xml
66. application/vnd.openxmlformats-officedocument.wordprocessingml.styles+xml
67. application/vnd.openxmlformats-officedocument.wordprocessingml.template.main+xml
68. application/vnd.openxmlformats-officedocument.wordprocessingml.webSettings+xml
69. application/vnd.openxmlformats-package.core-properties+xml
70. application/vnd.openxmlformats-package.digital-signature-origin
71. application/vnd.openxmlformats-package.digital-signature-xmlsignature+xml

Solution Proposed by the Submitter:

Register these media types with IANA.

Schema Change(s) Needed: No

Editor's Response:

None

50. DR 09-0035 — WML, Parts: Incorrect media types for Alternative Format Import Part

Status: Open

Subject: WML, Parts: Incorrect media types for Alternative Format Import Part

Qualifier: Technical defect

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00008

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 1, §11.3.1, "Alternative Format Import Part", pp. 32

Related DR(s): none

Nature of the Defect:

The following are incorrect media types: application/text/plain and application/text/html.

Solution Proposed by the Submitter:

Use text/plain and text/html, respectively, instead.

Schema Change(s) Needed: No

Editor's Response:

2009-01-28 Okinawa meeting:

It is likely that existing documents contain such strings. Is this a breaking change? No decision was made.

51. DR 09-0036 — Shared, Parts, Font Part: Inappropriate media types

Status: Open

Subject: Shared, Parts, Font Part: Inappropriate media types

Qualifier: Technical defect

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00009

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 1, §15.2.13, "Font Part", pp. 160

Related DR(s): none

Nature of the Defect:

The media types application/x-fontdata and application/x-font-ttf are inappropriate. RFC 4288 clearly says "Therefore, use of both "x-" and "x." forms is discouraged."

Solution Proposed by the Submitter:

Register two media types in the standard tree. See RFC 4288.

As for application/x-font-ttf, registration should not be difficult.

Fortunately, SC34/WG2 has 9541-4 (Font information interchange – Part 4: Harmonization to Open Font Format). Publish registration information for an open type media type as a COR or AM to 9541-4, request the registration to IESG, and publish a COR to 29500 for the new media type.

Schema Change(s) Needed: No

Editor's Response:

None

52. DR 09-0037 — PML, Presentation: Clarify description of properties in embeddedFontLst

Status: Open

Subject: PML, Presentation: Clarify description of properties in embeddedFontLst

Qualifier: Request for clarification

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00010

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 1, §19.2.1.10, "font (Embedded Font Name)", pp. 2766

Related DR(s): none

Nature of the Defect:

The entry of the referred to font in the embeddedFontLst, "font (Embedded Font Name)" (19.2.1.13) includes the properties like charset, panose, and pitchFamily, but they are already specified in the referencing part by the feature of DrawingML, or it should be described how the inconsistency should be handled when they are different between the referencing part and the referred to part. In the case of WordprocessingML, this information is not specified in the referencing part "rFont"; they are collected in "Font Table".

Solution Proposed by the Submitter:

None

Schema Change(s) Needed: No

Editor's Response:

None

53. DR 09-0038 — WML/PML/DML: Panose-1 Typeface Classification

Status: Open

Subject: WML/PML/DML: Panose-1 Typeface Classification

Qualifier: Technical defect

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00011

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s):

Part 1, §19.2.1.13, "font (Embedded Font Name)", pp. 2766

§17.8.3.13, "panose1 (Panose-1 Typeface Classification Number)", pp. 766

§19.2.1.13, "font (Embedded Font Name)", pp. 2768

§21.1.2.3.1, "cs (Complex Script Font)", pp. 3598

§21.1.2.3.3, "ea (East Asian Font)", pp. 3606

§21.1.2.3.7, "latin (Latin Font)", pp. 3614

§21.1.2.3.10, "sym (Symbol Font)", pp. 3623

§21.1.2.3.7, "buFont (Specified)", pp. 3638

Related DR(s): none

Nature of the Defect:

The element or attribute name used to represent Panose-1 Typeface Classification Number is sometimes "panose1" (§17.8.3.13 in WordprocessingML) and sometimes "panose" (§19.2.1.13 in PresentationML). Considering the fact that there was a white paper for Panose-2.0, which is not compatible with Panose-1.0: <http://www.w3.org/Fonts/Panose/pan2.html> "panose1" is better than "panose" to avoid the confusion.

The subclause using "panose1" instead of "panose" is:

- §17.8.3.13, panose1 (Panose-1 Typeface Classification Number), pp. 766

The subclauses using "panose" instead of "panose1" are:

- §19.2.1.13, font (Embedded Font Name), pp. 2768
- §21.1.2.3.1, cs (Complex Script Font), pp. 3598
- §21.1.2.3.3, ea (East Asian Font), pp. 3606
- §21.1.2.3.7, latin (Latin Font), pp. 3614
- §21.1.2.3.10, sym (Symbol Font), pp. 3623
- §21.1.2.3.7, buFont (Specified), pp. 3638

Also the type names like "CT_Panose", "ST_Panose" (§22.9.2.8) should be changed to "CT_Panose1", "ST_Panose1".

Solution Proposed by the Submitter:

None

Schema Change(s) Needed:

Editor's Response:

None

54. DR 09-0039 — Shared, Parts, Font Part: File format for "bitmapped font" is missing

Status: Open

Subject: Shared, Parts, Font Part: File format for "bitmapped font" is missing

Qualifier: Technical defect

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00012

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 1, §15.2.13, "Font Part", pp. 159

Related DR(s): none

Nature of the Defect:

The text "* application/x-fontdata specifies that the font shall be stored as a bitmapped font (each glyph is stored as a raster image)" provides no description about the file format of the "bitmapped font". It reminds of ".FNT" in MS-DOS or ".FON" file format introduced in Microsoft Windows 3.0, but there are too many mutually incompatible bitmap font formats.

Solution Proposed by the Submitter:

Clarify "the bitmapped font" file format specification or remove the permission to embed "the bitmapped font".

Schema Change(s) Needed: No

Editor's Response:

None

55. DR 09-0040 — WML/DML: Complex scripts

Status: Open

Subject: WML/DML: Complex scripts

Qualifier: Request for clarification

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00013, 08-00014, 08-00015, 08-00016, 08-00017, 08-00018, 08-00019

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s):

Part 1, §17.3.2.2, "bCs (Complex Script Bold)", pp. 281

Part 1, §17.3.2.7, "cs (Use Complex Script Formatting on Run)", pp. 289

Part 1, §17.3.2.17, "iCs (Complex Script Italics)", pp. 304

Part 1, §17.3.2.20, "lang (Languages for Run Content)", pp. 304

Part 1, §17.3.2.39, "szCs (Complex Script Font Size)", pp. 335

Part 1, §21.1.2.3.1, "cs (Complex Script Font)", pp. 3596

Part 1, §21.1.2.3.3, "ea (East Asian Font)", pp. 3605

Related DR(s): none

Nature of the Defect:

The coverage of "complex script", "east asian", "latin", "ascii", and "hansi" is unclear. At least, it should be made clear whether the ranges in Unicode are sufficient to determine whether a script is included

in "complex script", or it is dependent on the consumers' text rendering systems and their font resource.

In some groups (e.g., sz, szCs), the scripts are classified into 2 groups: complex and non-complex script. In other groups (e.g., bidi/easiAsia/val attributes in lang element), the scripts are classified into 3 groups: complex script, eastAsia, and latin. Also there are a few groups that the scripts are classified into 4 groups: ascii, cs, eastAsia, hAnsi. In such group, hAnsi is defined as "which does not fall into one of the three categories defined above", so the definition of complex script is important in such group.

In the case of ISO/IEC 14496-4:2004/Amd.26 (the conformance levels of OFF in MPEG stream), all OpenType layout tables are classified as complex scripts, so vertical writing mode in east Asian scripts is also classified as complex scripts.

Solution Proposed by the Submitter:

None

Schema Change(s) Needed:

Editor's Response:

None

56. DR 09-0041 — WML, Fonts: Font resource search

Status: Open

Subject: WML, Fonts: Font resource search

Qualifier: Request for clarification

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00020

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 1, §17.8.2, "Font Substitution", pp. 751

Related DR(s): none

Nature of the Defect:

Regarding the priorities of the information to search an appropriate font resource for a document, there is the following note: "ISO/IEC 29500 recommends that applications looking for the closest match to the following pieces of information (in descending priority) in order to determine a suitable alternative font; however, applications are free to apply more sophisticated logic in its place:

- panose1 (§17.8.3.13)
- sig (§17.8.3.16)
- charset (§17.8.3.2)
- pitch (§17.8.3.14)
- family (§17.8.3.9)
- altName (§17.8.3.1)

This information come from Microsoft Windows GDI (the classifications in charset, pitch, family are designed to be identical with those in GDI), but the order of the priority is different from Microsoft

Windows GDI's font substitution algorithm described in Microsoft GDI Technical Article "Windows Font Mapping" (<http://msdn.microsoft.com/en-us/library/ms969909.aspx>). The remarkable difference is that "panose1" and "sig" are not used in GDI's font substitution. Therefore, the substituted fonts by ISO/IEC 29500-1 recommendation in §17.8.2 and that by existing Microsoft Office Word can be quite different. The order of the priority described in §17.8.2 should be improved to minimize the difference from GDI's font substitution algorithm.

Solution Proposed by the Submitter:

None

Schema Change(s) Needed:

Editor's Response:

None

57. DR 09-0042 — WML, Fonts: notTrueType attribute missing from list

Status: Open

Subject: WML, Fonts: notTrueType attribute missing from list

Qualifier: Technical defect

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00021

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 1, §17.8.3.12, "notTrueType (Raster or Vector Font)", pp. 766

Related DR(s): none

Nature of the Defect:

These attributes are described as: "This information can be used as defined in font substitution logic to locate an appropriate substitute font when this font is not available. This information is determined by querying the font when present and shall not be modified when the font is not available."

However, the notTrueType attribute is not in the list of attributes in §17.8.2.

Solution Proposed by the Submitter:

None

Schema Change(s) Needed:

Editor's Response:

None

58. DR 09-0043 — WML, Fonts: notTrueType attribute and bitmap fonts

Status: Open

Subject: WML, Fonts: notTrueType attribute and bitmap fonts

Qualifier: Request for clarification

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00022

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 1, §17.8.3.12, "notTrueType (Raster or Vector Font)", pp. 766

Related DR(s): none

Nature of the Defect:

ISO/IEC 14496-22 permits implementation of a font file including only bitmap and no outline (so-called "sbit font" is popular in Macintosh). It is not clear whether such bitmap-only OFF should be declared as notTrueType.

Solution Proposed by the Submitter:

Xxx

Schema Change(s) Needed:

Editor's Response:

None

59. DR 09-0044 — WML, Fonts: Support for commas in font family/subfamily/full names

Status: Open

Subject: WML, Fonts: Support for commas in font family/subfamily/full names

Qualifier: Technical defect

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00023

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 1, §17.8.3.1, "altName (Alternate Names for Font)", pp. 751

Related DR(s): none

Nature of the Defect:

ISO/IEC 14496-22 permits commas in font family/subfamily/full names. It should be made clear how names containing commas can be represented in a comma-delimited list.

Solution Proposed by the Submitter:

None

Schema Change(s) Needed:

Editor's Response:

None

60. DR 09-0045 — WML, Fonts: Character encodings of font names

Status: Open

Subject: WML, Fonts: Character encodings of font names

Qualifier: Technical defect

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00024

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 1, §17.8.3.1, "altName (Alternate Names for Font)", pp. 751

Related DR(s): none

Nature of the Defect:

The Open Font Format described in ISO/IEC 14496-22 can include various font names in various character encodings. For example, a name table of OFF can include 2 font family names, one coded by Unicode, the other coded by ShiftJIS. It should be made clear that OOXML relies on XML parsers for encodings.

Solution Proposed by the Submitter:

None

Schema Change(s) Needed:

Editor's Response:

None

61. DR 09-0046 — WML, Fonts: Misleading example

Status: Open

Subject: WML, Fonts: Misleading example

Qualifier: Editorial defect

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00025

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 1, §17.8.3.2, "charset (Character Set Supported By Font)", pp. 753

Related DR(s): none

Nature of the Defect:

"The charset element specifies via its characterSet attribute value of GBK that this font uses the GB-2312 character set."

The example is misleading because GBK is not identical to GB 2312. See <http://www.iana.org/assignments/charset-reg/GBK>.

Solution Proposed by the Submitter:

None

Schema Change(s) Needed:

Editor's Response:

None

62. DR 09-0047 — WML, Fonts: Identifying a face in an embedded font file

Status: Open

Subject: WML, Fonts: Identifying a face in an embedded font file

Qualifier: Technical defect

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00026, 01-00027, 01-00028, 01-00029

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s):

Part 1, §17.8.3.3, "embedBold (Bold Style Font Style Embedding)", pp. 753

Part 1, §17.8.3.4, "embedBoldItalic (Bold Italic Font Style Embedding)", pp. 755

Part 1, §17.8.3.5, "embedItalic (Italic Font Style Embedding)", pp. 757

Part 1, §17.8.3.6, "embedRegular (Regular Font Style Embedding)", pp. 759

Related DR(s): none

Nature of the Defect:

Although the embedded font "file" in the package is specified by the attribute id, a "file" defined by ISO/IEC 14496-22 can include multiple faces by TrueType Collection (TTC) file format. So, the procedure to identify a face in an embedded font file in the package should be described.

Solution Proposed by the Submitter:

There are 3 scenarios:

1. Forbid the TTC file format; only TTF or OTF file formats including single face are permitted. A document producer has to convert TTC to TTF when it embeds a font into OOXML.
2. Use name or altName in the root element to select a face from an embedded TTC.
3. Add a new attribute to specify a face in TTC.

Schema Change(s) Needed:

Editor's Response:

None

63. DR 09-0048 — WML, Fonts: Panose-1 classification mechanism missing

Status: Open

Subject: WML, Fonts: Panose-1 classification mechanism missing

Qualifier: Technical defect

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00030

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 1, §17.8.3.13, "panose1 (Panose-1 Typeface Classification Number)", pp. 767

Related DR(s): none

Nature of the Defect:

The first sentence is: "This element specifies the Panose-1 classification number for the current font using the mechanism defined in 4.2.7.17 of ISO/IEC 14496-22:2007." However, 4.2.7.17 of ISO/IEC 14496-22 does not provide any such mechanism.

Solution Proposed by the Submitter:

Change this sentence to the following: "This element specifies the Panose-1 classification number shown in 4.2.7.17 of ISO/IEC 14496-22:2007." It might be a good idea to reference to the original Panose specification, available at <http://www.panose.com>.

Schema Change(s) Needed:

Editor's Response:

None

64. DR 09-0049 — WML, Fields: SYMBOL switch proper charset name usage

Status: Open

Subject: WML, Fields: SYMBOL switch proper charset name usage

Qualifier: Editorial defect

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00024

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 1, §17.16.5.61, "SYMBOL", pp. 1391.

Related DR(s): none

Nature of the Defect:

"\j Interprets text in field-argument as the value of a SHIFT-JIS character". "SHIFT-JIS" should be replaced by Windows-31J, which is an IANA charset name.

Solution Proposed by the Submitter:

None

Schema Change(s) Needed:

Editor's Response:

None

65. DR 09-0050 — SML, Worksheets: comma delimiter between font name and type

Status: Open

Subject: SML, Worksheets: comma delimiter between font name and type

Qualifier: Request for clarification

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00032

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 1, §18.3.1.39, "evenHeader", pp. 1804

Related DR(s): none

Nature of the Defect:

Re &"font name,font type", since ISO/IEC 14496-22 permits commas in font family/subfamily/full names, it is not clear which "," is the delimiter between the font name and font type.

Solution Proposed by the Submitter:

None

Schema Change(s) Needed:

Editor's Response:

None

66. DR 09-0051 — SML, Shared String Table: charset value duplicate

Status: Open

Subject: SML, Shared String Table: charset value duplicate

Qualifier: Technical defect

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00033

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 1, §18.4.1, "charset (Character Set)", pp. 1898

Related DR(s): none

Nature of the Defect:

There are two entries, namely "HANGUEL_CHARSET" and "HANGUL_CHARSET", for the integer value 129.

Solution Proposed by the Submitter:

Remove one of them.

Schema Change(s) Needed:

Editor's Response:

None

67. DR 09-0052 — SML, Styles: family attribute range issue

Status: Open

Subject: SML, Styles: family attribute range issue

Qualifier: Technical defect

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00034

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 1, §18.8.18, “family (Font Family)”, pp. 1952

Related DR(s): none

Nature of the Defect:

The attribute description allows integer values ranging from 0–255, while the table allows values ranging from 0–5 only.

Ideally, as in WordprocessingML (§17.8.3.9), use the simple type `ST_FontFamily`, shown in §17.18.30. If this is not possible, the attribute value should be restricted.

Solution Proposed by the Submitter:

None

Schema Change(s) Needed:

Editor's Response:

None

68. DR 09-0053 — PML, Presentation: Attribute name pitchFamily is misleading

Status: Open

Subject: PML, Presentation: Attribute name pitchFamily is misleading

Qualifier: Technical defect

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00035

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 1, §19.2.1.13, "font (Embedded Font Name)", pp. 2769

Related DR(s): none

Nature of the Defect:

The attribute name pitchFamily is misleading. It should be pitchAndFamily.

Solution Proposed by the Submitter:

None

Schema Change(s) Needed:

Editor's Response:

None

69. DR 09-0054 — DML, run formatting: Attribute name pitchFamily is misleading

Status: Open

Subject: PML, run formatting: Attribute name pitchFamily is misleading

Qualifier: Technical defect

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00036, 08-00037, 08-00038, 08-00039, 08-00040

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s):

Part 1, §21.1.2.3.1, "cs (Complex Script Font)", pp. 3596

Part 1, §21.1.2.3.3, "ea (East Asian Font)", pp. 3605

Part 1, §21.1.2.3.7, "latin (Latin Font)", pp. 3613

Part 1, §21.1.2.3.10, "sym (Symbol Font)", pp. 3622

Part 1, §21.1.2.4.6, "buFont (Specified)", pp. 3636

Related DR(s): none

Nature of the Defect:

The attribute name pitchFamily is misleading. It should be pitchAndFamily.

Solution Proposed by the Submitter:

None

Schema Change(s) Needed:

Editor's Response:

None

70. DR 09-0055 — PML, Presentation: Type of the attribute pitchFamily is too loose

Status: Open

Subject: PML, Presentation: Type of the attribute pitchFamily is too loose

Qualifier: Technical defect

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00041

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 1, §19.2.1.13, "font (Embedded Font Name)", pp. 2769

Related DR(s): none

Nature of the Defect:

The type of the attribute pitchFamily is defined as "W3C XML Schema byte datatype", but that is too loose. Provide an enumerated list or the union of ranges 00–02, 10–12, 20–22, 30–32, 40–42, and 50–52. Observe that the higher 4 bits, which represents the typeface family (see §17.8.3.9 of WordprocessingML), must be 0x0–0x5, and that the lower 4 bits, which represents the pitch (see §17.8.3.14 of WordprocessingML), must be 0x0–0x2.

Solution Proposed by the Submitter:

None

Schema Change(s) Needed:

Editor's Response:

None

71. DR 09-0056 — DML, Main: Type of the attribute pitchFamily is too loose

Status: Open

Subject: DML, Main: Type of the attribute pitchFamily is too loose

Qualifier: Technical defect

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00042, 08-00043, 08-00044, 08-00045, 08-00046

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s):

Part 1, §21.1.2.3.1, "cs (Complex Script Font)", pp. 3596

Part 1, §21.1.2.3.3, "ea (East Asian Font)", pp. 3605

Part 1, §21.1.2.3.7, "font (Embedded Font Name)", pp. 3613

Part 1, §21.1.2.3.10, "sym (Symbol Font)", pp. 3622

Part 1, §21.1.2.4.6, "buFont (Specified)", pp. 3636

Related DR(s): none

Nature of the Defect:

The type of the attribute pitchFamily is defined as "W3C XML Schema byte datatype", but that is too loose. Provide an enumerated list or the union of ranges 00–02, 10–12, 20–22, 30–32, 40–42, and 50–52. Observe that the higher 4 bits, which represents the typeface family (see §17.8.3.9 of WordprocessingML), must be 0x0–0x5, and that the lower 4 bits, which represents the pitch (see §17.8.3.14 of WordprocessingML), must be 0x0–0x2.

Solution Proposed by the Submitter:

None

Schema Change(s) Needed:

Editor's Response:

None

72. DR 09-0057 — PML, Presentation: Allow aliases as values for attribute typeface

Status: Open

Subject: PML, Presentation: Allow aliases as values for attribute typeface

Qualifier: Technical defect

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00047

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 1, §19.2.1.13, "font (Embedded Font Name)", pp. 2769

Related DR(s): none

Nature of the Defect:

The attribute typeface can be used for selecting an alternate font. However, unlike the attribute altName of WordprocessingML (§17.8.3.1), this attribute cannot specify aliases as attribute values.

Solution Proposed by the Submitter:

Allow typeface to specify aliases.

Schema Change(s) Needed:

Editor's Response:

None

73. DR 09-0058 — DML, Main: Possible values of attribute script are unclear

Status: Open

Subject: DML, Main: Possible values of attribute script are unclear

Qualifier: Request for clarification

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00048

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 1, §20.1.4.1.16, "font (Font)", pp. 3105

Related DR(s): none

Nature of the Defect:

The attribute script is very unclear. What is the value of this attribute? We can imagine four possibilities:

1. ISO 15924 script names. Also the extra attribute to interchange ISO 639 language code is expected.
2. Open Font Format 4-byte script tags defined in §5.4.1 of ISO/IEC 14496-22. Also the extra attribute to interchange Open Font Format 4-byte language tags (§5.4.2 of ISO/IEC 14496-22) is expected.
3. ST_Lang defined in ISO/IEC 29500-1, §22.9.2.6.
4. Unicode subrange specifications like ISO/IEC 29500-1, §17.8.3.16.

The examples shown in §20.1.4.1.24 and §20.1.4.1.25 suggest Option 1. However, Option 2 is most appropriate, since the value can easily be extracted from concrete font files, and we can search for compatible fonts from the given attribute.

Solution Proposed by the Submitter:

None

Schema Change(s) Needed:

Editor's Response:

None

74. DR 09-0059 — DML, Main: Clarify relationship between the symbol font and Symbol character set

Status: Open

Subject: DML, Main: Clarify relationship between the symbol font and Symbol character set

Qualifier: Request for clarification

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00049

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 1, §21.1.2.3.10, "sym (Symbol Font)", pp. 3622

Related DR(s): none

Nature of the Defect:

The relationship between the symbol font and Symbol character set (used in the charset attribute description) is unclear. Are they expected to be identical?

Solution Proposed by the Submitter:

None

Schema Change(s) Needed:

Editor's Response:

None

75. DR 09-0060 — WML, Fonts: Names should be registered at IANA

Status: Open

Subject: WML, Fonts: Names should be registered at IANA

Qualifier: Technical defect

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00050

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 4, §9.4.1.1, "Additional attribute for charset element", pp. 28

Related DR(s): none

Nature of the Defect:

In comparison with IANA names listed in <http://www.iana.org/assignments/character-sets>, the table includes many names which are not registered in IANA. Also some entries are described with incorrect IANA names.

Solution Proposed by the Submitter:

1. 0x80: shift_jis should be replaced by Windows-31J.
2. 0x81: Microsoft Windows Codepage 949 should be registered in IANA, and use the name in the description.
3. 0x82: Microsoft Windows Codepage 1361 should be registered in IANA and use the name in the description.
4. 0x86: GB2312 should be replaced by GBK.
5. 0x88: Microsoft Windows Codepage 950 should be registered in IANA, and use the name in the description, because there are various Big5 diversions.

6. 0xDE: windows-874 is not registered in IANA. It should be registered.

Schema Change(s) Needed:

Editor's Response:

None

76. DR 09-0061 — Shared MLs, Shared Simple Types: Constrain ST_Panose value set

Status: Open

Subject: Shared MLs, Shared Simple Types: Constrain ST_Panose value set

Qualifier: Editorial defect

Qualifier: Technical defect

Qualifier: Request for clarification

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00051

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 1, §22.9.2.8, "ST_Panose (Panose-1 Number)", pp. 4326

Related DR(s): none

Nature of the Defect:

ST_Panose is declared as unrestricted 20 hexadecimal digits. According to the official definition of Panose-1 (<http://www.panose.com/ProductsServices/pan1.aspx>) the valid Panose number has a more restricted range (in most cases, 0–10).

Solution Proposed by the Submitter:

ST_Panose should be declared as the type which permits the valid number only.

Schema Change(s) Needed: Yes, (which?)

Replace Panose-1 type definition with something like the following:

```
<xsd:simpleType name="Panose1">
  <xsd:restriction base="xsd:string">
    <xsd:pattern value="\s*[\s0]?2\s*[\s0]?[0-9A-Fa-f]\s*[\s0]?[0-
9ABab]\s*[\s0]?[0-9]\s*[\s0]?[0-9]\s*[\s0]?[0-9Aa]\s*0?[0-9ABab]\s*[\s0]?[0-9A-
Fa-f]\s*[\s0]?[0-9A-Da-d]\s*[\s0]?[0-7]\s*" />
  </xsd:restriction>
</xsd:simpleType>
```

The interpretation of the numerical values of Panose-1 in Windows GDI is different from genuine Panose-1 definition. The definition in above restricts the scope to the values that genuine Panose-1 definition and Windows GDI interpretation are consistent.

Editor's Response:

None

77. DR 09-0062 — WML, Settings: Semantics of short file names

Status: Open

Subject: WML, Settings: Semantics of short file names

Qualifier: Request for clarification

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00052, 08-00053

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s):

Part 1, §17.15.2, "Web pp. Settings", pp. 1219

Part 1, §17.15.2.13, "doNotUseLongFileNames", pp. 1237

Part 1, §17.15.2.46, "webSettings (Web pp. Settings)", pp. 1288

Related DR(s): none

Nature of the Defect:

The doNotUseLongFileNames element specifies that applications should ensure that all file names generated when this document is subsequently saved as a web page do not exceed the 8.3 character file name limitation.

This feature is supposed to be introduced for the short file names on FAT file system; therefore, "8.3 characters" should be 8.3 octets. Also it should be clarified if the file names are case sensitive or not.

Solution Proposed by the Submitter:

None

Schema Change(s) Needed:

Editor's Response:

None

78. DR 09-0063 — WML, Fields: Form Field Properties length

Status: Open

Subject: WML, Fields: Form Field Properties length

Qualifier: Request for clarification

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00055

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 1, §17.16.17, "ffData (Form Field Properties)", pp. 1412

Related DR(s): none

Nature of the Defect:

"... a maximum character length of 10 characters via the maxLength element"

If the length is counted by the octet instead of the Unicode character, it should be stated, because the length is quite short.

Solution Proposed by the Submitter:

None

Schema Change(s) Needed:

Editor's Response:

None

79. DR 09-0064 — WML, Simple Types: ST_FFHelpTextVal length

Status: Open

Subject: WML, Simple Types: ST_FFHelpTextVal length

Qualifier: Request for clarification

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00056

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 1, §17.18.25, "ST_FFHelpTextVal", pp. 1534

Related DR(s): none

Nature of the Defect:

This simple type's contents have a maximum length of 256 characters.

If the length is counted by the octet instead of the Unicode character, it should be stated, because the length is rather short for a help text.

Solution Proposed by the Submitter:

None

Schema Change(s) Needed:

Editor's Response:

None

80. DR 09-0065 — WML, Simple Types: ST_FFName length

Status: Open

Subject: WML, Simple Types: ST_FFName length

Qualifier: Request for clarification

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00057

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 1, §17.18.26, ST_FFName, pp. 1535

Related DR(s): none

Nature of the Defect:

This simple type's contents have a maximum length of 65 characters.

If the length is counted by the octet instead of the Unicode character, it should be stated, because the length is rather short.

Solution Proposed by the Submitter:

None

Schema Change(s) Needed:

Editor's Response:

None

81. DR 09-0066 — WML, Simple Types: ST_MacroName length

Status: Open

Subject: WML, Simple Types: ST_MacroName length

Qualifier: Request for clarification

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00058

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 1, §17.18.51, "ST_MacroName", pp. 1563

Related DR(s): none

Nature of the Defect:

This simple type's contents have a maximum length of 33 characters.

If the length is counted by the octet instead of the Unicode character, it should be stated, because the length is rather short.

Solution Proposed by the Submitter:

None

Schema Change(s) Needed:

Editor's Response:

None

82. DR 09-0067 — SML, Workbook: Semantics of short file names

Status: Open

Subject: SML, Workbook: Semantics of short file names

Qualifier: Request for clarification

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00059

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 1, §18.2.24, "webPublishing", pp. 1563

Related DR(s): none

Nature of the Defect:

longFileNames (Enable Long File Names) attribute: Specifies a boolean value that indicates whether the application allows file names longer than 8 characters for Web pages.

This feature is supposed to be introduced for the short file names on FAT file system; therefore, "8.3 characters" should be 8.3 octets. Also the case sensitive or not should be clarified.

Solution Proposed by the Submitter:

None

Schema Change(s) Needed:

Editor's Response:

None

83. DR 09-0068 — SML, Styles: name attribute length

Status: Open

Subject: SML, Styles: name attribute length

Qualifier: Request for clarification

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00060

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 1, §18.8.29, "name (Font Name)", pp. 1965

Related DR(s): none

Nature of the Defect:

"The string length for this attribute shall be 0 to 31 characters."

If the length is counted by the octet instead of the Unicode character, it should be stated, because the length is quite short.

Solution Proposed by the Submitter:

None

Schema Change(s) Needed:

Editor's Response:

None

84. DR 09-0069 — SML, Pivot Tables: longText attribute length

Status: Open

Subject: SML, Pivot Tables: longText attribute length

Qualifier: Request for clarification

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00061

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 1, §18.10.1.90, "sharedItems (Shared Items)", pp. 2164

Related DR(s): none

Nature of the Defect:

"longText (Long Text) attribute: A string is considered long if it is over 255 characters. A value of 1 or true indicates the value contains more than 255 characters of text. A value of 0 or false indicates the value contains less than 255 characters. [Note: This is used as many legacy spreadsheet application support a limit of 255 characters for text values. end note]

If the length is counted by the octet instead of the Unicode character, it should be stated. Also it should be stated whether the assumed legacy spreadsheet applications can handle Unicode text.

Solution Proposed by the Submitter:

None

Schema Change(s) Needed:

Editor's Response:

None

85. DR 09-0070 — PML, Presentation: modifyVerifier password length

Status: Open

Subject: PML, Presentation: modifyVerifier password length

Qualifier: Request for clarification

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00062

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 1, §19.2.1.19, "modifyVerifier (Modification Verifier)", pp. 2774

Related DR(s): none

Nature of the Defect:

"The password supplied to the algorithm is to be a UTF-16LE encoded string; strings longer than 255 characters are truncated to 255 characters. If there is a leading BOM character (U+FEFF) in the encoded password it is removed before hash calculation."

If the surrogate pair is counted as 2 characters, it should be stated.

Solution Proposed by the Submitter:

None

Schema Change(s) Needed:

Editor's Response:

None

86. DR 09-0071 — WML, Simple Types: Katakana enumeration examples

Status: Open

Subject: WML, Simple Types: Katakana enumeration examples

Qualifier: Editorial defect

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00063

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): Part 1, §17.18.59, "ST_NumberFormat (Numbering Format)", pp. 1572, 1573

Related DR(s): none

Nature of the Defect:

aiueoFullWidth (AIUEO Order Full-Width Katakana) and aiueo (AIUEO Order Half-Width Katakana) are incorrect.

The original spec mentioned repeating a set of characters like ?, ?, ?, ..., ?, ?, ??, ??, ??, ...; it is incorrect. Expected order is simply to repeat a set of characters (values 1–46) again from the beginning of the values; e.g., ?, ?, ?, ..., ?, ?, ?, ?, ?,

Solution Proposed by the Submitter:

None

Schema Change(s) Needed:

Editor's Response:

None

87. DR 09-0072 — WML, Simple Types: ST_BrClear terminology usage

Status: Open

Subject: WML, Simple Types: ST_BrClear terminology usage

Qualifier: Request for clarification

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00064, 09-00065

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-05

Deadline for Response from Editor: 2009-04-05

IS 29500 Reference(s): Part 1, §17.18.3, "ST_BrClear (Line Break Text Wrapping Restart Location)", pp. 1508

Related DR(s): none

Nature of the Defect:

In the description of the "left" value and "right" values, the words "type" and "style" are used indiscriminately. There should be a unified terminology.

Solution Proposed by the Submitter:

We suggest using the word "type".

Schema Change(s) Needed:

Editor's Response:

None

88. DR 09-0073 — WML, Simple Types: ST_BrClear extraneous text

Status: Open

Subject: WML, Simple Types: ST_BrClear extraneous text

Qualifier: Editorial defect

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00066, 08-00067

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-05

Deadline for Response from Editor: 2009-04-05

IS 29500 Reference(s): Part 1, §17.18.3, "ST_BrClear (Line Break Text Wrapping Restart Location)", pp. 1509

Related DR(s): none

Nature of the Defect:

In the description of the "right" value, the sentence "If the parent paragraph is right to left, then these behaviors are also reversed." seems to be a left-over of the previous version, as is the note.

Solution Proposed by the Submitter:

Remove this sentence and the note.

Schema Change(s) Needed:

Editor's Response:

None

89. DR 09-0074 — WML, Simple Types: ST_TextDirection direction of rotation

Status: Open

Subject: WML, Simple Types: ST_TextDirection direction of rotation

Qualifier: Request for clarification

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00068

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-05

Deadline for Response from Editor: 2009-04-05

IS 29500 Reference(s): Part 1, §17.18.93, "ST_TextDirection (Text Flow Direction)", pp. 1665

Related DR(s): none

Nature of the Defect:

The description for value 1rV says "This flow is also rotated such that text which is not in an East Asian script is rotated 90 degrees when displayed on a page" but does not say if it is rotated clockwise or counter-clockwise.

Solution Proposed by the Submitter:

Specify the direction of the rotation.

Schema Change(s) Needed:

Editor's Response:

None

90. DR 09-0075 — WML, Simple Types: ST_TextDirection conflict between attribute values

Status: Open

Subject: WML, Simple Types: ST_TextDirection conflict between attribute values

Qualifier: Request for clarification

Submitter: JISC

Contact Information: eb2m-mrt@asahi-net.or.jp

Submitter's Defect Number: 08-00069

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-05

Deadline for Response from Editor: 2009-04-05

IS 29500 Reference(s): Part 1, §17.18.93, "ST_TextDirection (Text Flow Direction)", pp. 1666

Related DR(s): none

Nature of the Defect:

The description for value r1v says "text which is in an East Asian script is rotated". The discrepancy with the description of 1rV (for which East Asian script is **not** rotated) seems to indicate that at least one of them is in error.

Solution Proposed by the Submitter:

Check the two descriptions and fix whatever needs fixing.

Schema Change(s) Needed:

Editor's Response:

None

91. DR 09-0076 — Part 1: Trivial Editorial Defects

Status: Closed

Subject: Part 1: Trivial Editorial Defects

Qualifier: Editorial defect

Submitter: Project Editor

Contact Information: rex@RexJaeschke.com

Submitter's Defect Number: None

Supporting Document(s): None

Date Circulated by Secretariat: 2009-02-08

Deadline for Response from Editor: 2009-04-08

IS 29500 Reference(s): Part 1, numerous clauses and subclauses on various pages

Related DR(s): none

Nature of the Defect:

See below under "Solution"

Solution Proposed by the Submitter:

1. Part 1, §4, "Terms and Definitions", pp. 12.
[Note: This part uses OPC-related terms, which are defined in ISO/IEC 29500-2. *end note*]
2. Part 1, §7, "General Description", pp. 16, Numbered list item 4: The numbers in "clauses 17–23" are not actual hyperlinked forward references, and should be.
3. Part 1, §8.1, "Packages and Parts", pp. 17. First paragraph, final (parenthesized) sentence.
(Packages are discussed further in ISO/IEC 29500-2.)
4. Part 1, §9.2, "Relationships in Office Open XML", pp. 23.
All other relationships are implicit. [Note: ... *end note*].
5. Part 1, §10.1.2, "Office Open XML Native Extensibility Constructs", pp. 28.
See the reference material in §17–23 ...

6. Part 1, §17.16.1, "Syntax", pp. 1301.

numbering=<blank line>"LISTNUM", [field-argument] | ...

Schema Change(s) Needed: None

Editor's Response:

Accepted