

IS 29500:2008 Defect Report Log

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2009-03-17

DRs 08-0001 through 08-0015

DRs 09-0001 through 09-0154

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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.
4. 2009-02-28:
 - Added discussion from the email list to the following DR entries: 09-0014, 09-0032, 09-0034, 09-0070.
 - Added DRs 08-00070 through 08-00072 submitted through the web interface, as DR 09-0077 through 09-0079.
 - Added the DRs submitted by GB in WG4 N 0029, as DR 09-0080 through 09-0099.
 - Added the DRs submitted by the editor as DR 09-0100 through 09-0102.
5. 2009-03-17:
 - Added the DRs submitted by GB in WG4 N 0032, as DR 09-0103 through 09-0142.
 - Added the DRs submitted by GB in WG4 N 0033, as DR 09-0143 through 09-0154.
 - Added discussion from the email list to the following DR entries: 09-0026, 09-0034.
 - Added Editor’s responses to numerous DRs.

DR Status at a Glance

Status	DR Numbers
Open (101)	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 , 09-0080, 09-0081, 09-0082, 09-0083, 09-0084, 09-0085, 09-0086, 09-0087, 09-0088, 09-0089, 09-0090, 09-0091 , 09-0092 , 09-0093, 09-0094, 09-0095, 09-0096, 09-0097, 09-0098 , 09-0099 , 09-0103 , 09-0104 , 09-0105 , 09-0106 , 09-0107 , 09-0108 , 09-0109 , 09-0110 , 09-0111 , 09-0112 , 09-0113 , 09-0114 , 09-0115 , 09-0116 , 09-0117 , 09-0118 , 09-0119 , 09-0120 , 09-0121 , 09-0122 , 09-0123 , 09-0124 , 09-0125 , 09-0126 , 09-0127 , 09-0128 , 09-0129 , 09-0130 , 09-0131 , 09-0132 , 09-0133 , 09-0134 , 09-0135 , 09-0136 , 09-0137 , 09-0138 , 09-0139 , 09-0140 , 09-0141 , 09-0142 , 09-0143 , 09-0144 , 09-0145 , 09-0146 , 09-0147 , 09-0148 , 09-0149 , 09-0150 , 09-0151 , 09-0152 , 09-0153 , 09-0154
Closed, to be incorporated in COR1 (30)	08-0009 , 08-0010 , 08-0011 , 09-0076 , 09-0077 , 09-0078 , 09-0079 , 09-0080 , 09-0081 , 09-0082 , 09-0083 , 09-0084 , 09-0085 , 09-0086 , 09-0087 , 09-0088 , 09-0089 , 09-0090 , 09-0091 , 09-0093 , 09-0094 , 09-0095 , 09-0096 , 09-0097 , 09-0098 , 09-0100 , 09-0101 , 09-0102 , 09-0107 , 09-0108
Closed without action (2)	08-0013, 08-0015
Further Consideration Required (36)	08-0001 , 08-0002 , 08-0003 , 08-0004 , 08-0005 , 08-0006 , 08-0007 , 08-0008 , 08-0012 , 08-0014 , 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
Total (169)	

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

Status: Further Consideration Required

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

```
<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: 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: 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: 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

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

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

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 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: 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 <u>thousand bytes</u> kilobyte .
\m	Round to the nearest <u>million bytes</u> 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 (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 max length

Status: 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

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: [Further Consideration Required](#)~~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: [Further Consideration Required](#)~~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: [Further Consideration Required](#)~~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: [Further Consideration Required](#)~~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/range restriction in ST_Perspective

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

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

Subject: Shared MLs, Math: Incomplete list of valid child elements for 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: [Further Consideration Required](#)~~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: [Further Consideration Required](#)~~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: [Further Consideration Required](#)~~Closed; will be incorporated in COR1~~

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.

2009-02-18 Shawn Villaron:

[Ed: The file "thinkfree-namedcell.xls" was attached to Shawn's email.]

Not everyone was able to attend Okinawa last month and so I wanted to take some time today to write up a summary mail regarding this particular defect for your review. I've incorporated some of the feedback I received in Okinawa, so even for the folks who were able to attend that meeting, there is some new information contained herein.

As background information for this defect, it is important to remember that the intent of the IS 29500 standard was to fully encode existing binary documents, binary spreadsheets and binary presentations using XML. The latest document from Microsoft regarding these binary file formats can be found here:

<http://download.microsoft.com/download/2/4/8/24862317-78F0-4C4B-B355-C7B2C1D997DB/%5BMS-XLS%5D.pdf>

[Ed: The URL that Shawn originally supplied was incorrect.]

In that documentation, the structure in question is lbl.

The applicable documentation for this issue can be found in the spreadsheet documentation. In particular, we're addressing the encoding of record 218h which is defined on page 144 in the PDF version.

DR-09-0014

This issue deals with the scope of named cells within a spreadsheet.

Named cells are a common spreadsheet feature where one or more cells in a spreadsheet can be given a "friendly" name which makes it easier to reference those cells elsewhere in the spreadsheet.

For example, suppose you want to calculate the payment on a loan and you want to evaluate the impact that various interest rates would have on that payment. One way to do this would be to use a cell to represent the interest rate, name that cell `interestRate` and then use that name in the formula that calculates the payment. This way you could play with the value in the cell and not have to modify the actual formula to see the impact it has on the payment.

If we consider ThinkFree's Office Calc 3 implementation, the customer experience is pretty simple: select the cell that you will use for the interest rate and use the **Insert / Name / Define ...** menu. This will bring up a dialog that shows you any named cells found in the spreadsheet. In the dialog you can provide the name for the

selected cell(s). At this point, any time you want to refer to the contents of this cell, you can refer to it as "interestRate" as opposed to "A:B2".

An important observation here is that the scope of the named cells is at the *workbook* level and not the *worksheet* level. Given that worksheets can refer to cells in other worksheets, the uniqueness of named cells needs to be scoped at the workbook level. Otherwise, there could be two different cell ranges with the same name causing confusion as to which named cell(s) value(s) should be used. Clearly this would be a problem for data integrity and interoperability.

Other vendors' products such as OpenOffice.org Calc 3, Corel Quatro Pro X4 and Microsoft's Excel 2003 all have similar implementations: they support the ability to name cells, they require workbook-level uniqueness and they express named cells using the same manner described in the binary file format document above. Because these four vendors have chosen similar implementations, spreadsheets with named cells can be successfully passed between these vendors' products.

I've attached a sample file generated from Think Free's Office Calc 3 product in case folks would like to experiment with this functionality and the associated interop scenarios themselves. Naturally there are some bugs in the vendors' implementations, but you can take the attached Think Free file and open it up successfully in the other implementations. The spreadsheets open, the named cells are persisted and the function which consumes the named cells continues to work as expected.

Additionally, Apple's iWorks '09 Numbers can consume files generated from such implementations and make use of those named cells. While they have similar functionality to named cells, I would not go so far as to say they have native support for authoring named cells (I can go into more detail if anyone cares).

If we look at the IS 29500 standard, the prose states the following (italics mine):

18.17.6.5 Name Representation

A formula can contain one or more names. These names shall be defined in the *Worksheet* part's XML with each being the subject of a *definedName* element, inside a *definedNames* element.

Not only does this conflict with existing binary spreadsheets, it also conflicts with the intent of the schema. The only valid parent element for the *definedNames* element is the *workbook* element. I interpret this such that the intent of the standard was to match the existing binary spreadsheets' design and scope the uniqueness of named cells to the *workbook* and not the *worksheet*.

Given that the standard's prose conflicts with the standard's schema, that the industry has a common implementation of this that successfully enables interoperability through the exchange of binary spreadsheets and that the vendors' implementation is consistent with the binary spreadsheet documentation, I would recommend we change the prose to scope the uniqueness of named cells to the *workbook*. The updated text would look as follows (italics to emphasize changed text):

18.17.6.5 Name Representation

A formula can contain one or more names. These names shall be defined in the *Workbook* part's XML with each being the subject of a `definedName` element, inside a `definedNames` element.

2009-02-22 MURATA Makoto:

First, I agree that this is a real problem and has to be addressed. I intend to declare consensus about this in Prague if nobody raises reasonable doubts. WG4 members are requested to study this DR and prepare in advance.

Second, I agree that the schema does not allow us to specify the scope worksheet and that the prose does conflict with the schema. Thus, I am convinced that this is a defect and should be addressed by a DCOR rather than an AM. I also intend to declare consensus in Prague if there are no reasonable objections. WG4 members are requested to study this DR and prepare in advance.

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

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

Subject: SML: Incomplete list of 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: [Further Consideration Required](#)~~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: [Further Consideration Required](#)~~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: Invalid child Previous Run Properties

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: Invalid child Previous Run Properties

Status: [Further Consideration Required](#)~~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: Invalid Child Previous Run Properties

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

2009-03-01 MURATA Makoto:

I was probably the only person in Okinawa who was opposed to the addition of xml:space as proposed. As an expert, I still think that this addition is not needed. xml:space is for generic XML tools such as XML browsers. Since SpreadsheetML documents are very unlikely to be displayed by generic XML tools, every OOXML application program can be hardcoded so that it preserves whitespace, when necessary.

Note that DocBook 5 application programs are required to preserve whitespace in the verbatim environment even when this attribute is not specified. Having said that, as a convener, I am inclined to close this issue rather quickly in Prague unless others also oppose to the addition of xml:space.

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.

2009-03-01 MURATA Makoto:

This defect report proposes that xsd:NCName and xsd:anyURI be used rather than ST String for constraining permissible local names and namespace names, respectively. But what does OOXML allow as local names and permissible names? The answer depends on the version or edition of the underlying XML specification. XML 1.0 (up to the fourth editions), XML 1.1, and XML 1.0 (5th edition) differ in the definition of permissible names. To my surprise, OOXML references to XML 1.1 and Namespaces 1.1, which I believe are dead.

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:

2009-02-16 Shawn Villaron:

I've been going through many of the items listed in the latest defect log and I was hoping someone could help me better understand DR-09-0032.

In DR-09-0032, it is pointed out that in the Terms and Definitions section, we define the term *content type* and provide a reference to RFC 2616. The issue is that the term as it is currently used would better be described using the term *media type* and that the better reference would be RFC 2046.

While I can appreciate being as specific as possible regarding the terminology we use, I believe the intent of the opening paragraph was to pre-empt this issue (bold emphasis mine):

For the purposes of this document, the following terms and definitions apply. Other terms are defined where they appear in *italic* typeface, on the left side of a syntax rule, or within subclauses of language-specific grammars (§17.16 and §18.17). **Terms explicitly defined in this Part of ISO/IEC 29500 are not to be presumed to refer implicitly to similar terms defined elsewhere.** [*Note: This part uses OPC-related terms, which are defined in ISO/IEC 29500-2. end note*]

Regardless of the intent, I am curious as to what form of remedy we are being asked for; for example, is the remedy to change the prose only in the Terms and Definitions section, is it to change the prose throughout the standard, and/or does it include making schema changes? For example, how does this relate to the [Content_Types].xml part in OPC? Changes impacting schema and OPC could have profound consequences to existing implementations as well as the corpus of existing documents.

2009-02-16 MURATA Makoto:

I would like to change prose and do not change file names, element names, attribute names, or any names appearing in schemas. I even believe that this is what MIME and HTTP have done. In these specs, the name of the field is "content-type" while what is specified in this field is called media types in prose.

I do not think that the sentence you highlighted gives us a license to use different names when other standardization organizations have established the appropriate terminology.

2009-02-16 Shawn Villaron:

Great. Does everyone agree with Murata-san that this issue's scope is limited to the prose in the Terms and Definitions section? I realize that we can't make a definitive decision in email, but if we learned that no one objected to this scoping, we could make more progress in the run-up to Prague ...

Do we have a preference for the prose change itself? For example, do we leave content type as-is and then add another term called media type and explain the relationship between the two?

And regarding the highlighted sentence, I was trying to imply we don't need to do anything; rather, I was trying to convey that this issue was considered earlier in the standard evolution and was decided to leave it as-is. Again, doesn't mean we can't make a change to the T&D section ...

2009-02-16 MURATA Makoto:

IMHO, the scope of this issue is the prose **everywhere** in ISO/IEC 29500 rather than the prose in the Terms and Definitions section. Parts 1, 2, and 4 uses "content type" 199, 186, and 17 times.

If we are going to publish a reprint, I would like to change all these occurrences. If not, I can live with (1) replacing "content type" by "media type" in the Terms and Definitions section, and (2) adding a note about our abuse.

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:

2009-02-16 Shawn Villaron:

I've been going through many of the items listed in the latest defect log and I was hoping someone could help me better understand DR-09-0034.

We are being asked to register the set of content types/media types found in the standard. I must admit that my understanding with regard to the pros/cons of IANA registration is lacking. Could someone help me understand the benefits of registering these types? Are there any tangible consequences to their registration? Does the group have thoughts as to which entity should do the registration? Learning a bit more about IANA registration would help me evaluate the practical impact on interoperability these changes would have.

2009-02-16 MURATA Makoto:

I would argue that it is our obligation to register OOXML media types. ODF people have registered their media types. The media types for XML are registered at IANA, and the media type for RELAX NG compact syntax is also registered (I was involved in both). I do not want my working group to ignore

best practices of Internet. Now, people can rightly claim that we are bad guys and ODF people are good guys.

Since these media types belong to the vendor tree (as opposed to the standard tree), it should not be difficult to register these media types. We only have to send some e-mails to the ietf-types mailing list. More about this, see <http://tools.ietf.org/html/rfc4288>

I also think that 29500 should provide some more information about these media types. Such information should cover parameters at least.

Are the media types listed in OOXML intended to be used in the HTTP or MIME content-field? Or, are these media types used only in [Content_Types].xml?

If they are used only in [Content_Types].xml, I do not think we need parameters for these media types.

2009-02-16 Shawn Villaron:

I certainly don't want to do anything that would make us seem like bad guys. I'm only interested in understanding the practical benefit of registering these things -- so I'm not opposed to the registration; I'd just like to understand the ramifications of us doing this. I spent time earlier today on the IANA web site, and registration seems pretty straight-forward. There were some questions for which I didn't have immediate answers for, but nothing seemed insurmountable. One of the biggest questions is who should register these types?

Regarding the HTTP or MIME content-field, I'm not sure. I was hoping someone with more knowledge could make a recommendation on this front.

Regarding their usage, I believe it is limited to the [Content_Types].xml part. That said, I'd want to go through the spec again. I recall there might have been a BRM issue or two regarding media where a change was considered to make this information more local to the XML itself. I'd need to look into this, unless someone knows off-hand?

2009-02-16 MURATA Makoto:

Since I have done the registration procedure twice, I am probably the best person for leading this registration. But I do need some help from those who know the intended usage of these media types.

2009-02-24 Shawn Villaron:

Murata-san, I'd be happy to look into collecting the necessary registration information (or at least coming up with a starting point for further discussions). To ensure that I provide the intended information, could you please verify that we'll need to register the content/media types identified in DR-09-0034 by filling out the form found here: <http://www.iana.org/cgi-bin/mediatypes.pl>?

As I understand it, we'll need the following information (in addition to what we already have):

- Required parameters
- Optional parameters
- Encoding considerations
- Security considerations
- Interoperability considerations
- Published Specification
- Applications using this type
- Magic number(s)
- File extension(s)
- Mac File Type(s)
- OID(s)

If you could verify that this in the information request, I'll start pulling this information together.

2009-02-25 MURATA Makoto:

I didn't know the web form you mentioned, but it is mentioned in RFC 4288. Thank you for enlightening me.

Here is my first cut.

- Required parameters: None.
- Optional parameters: charset, as specified in 3.2 of RFC 3023.
- Encoding considerations: The same as in application/xml (3.2 of RFC 3023).
- Security considerations: The same as in application/xml (3.2 of RFC 3023).
- Interoperability considerations: The same as in application/xml (3.2 of RFC 3023).
- Published Specification: ISO/IEC 29500:2008, Part X, Clause X.X.X
- Applications using this type: OOXML applications
- Magic number(s): None
- File extension(s): xml
- Mac File Type(s): "TEXT"
- OID(s): ????? (I do not understand. Can we simply skip this field?)
- Intended usage: Common

We might want to say that OOXML documents are zip files and that our media types are labels for files within such zip files. By the way, when the pack URI scheme is used to reference to files within OOXML zip files, will our media types be returned?

Although we can directly contact IANA, I think we should first send a proposal to the IETF-type ML.

[2009-02-25 Caroline Arms:](#)

I strongly agree with Murata-san that mediatypes should be registered with IANA for the OOXML document types. I actually argued for it a long way back within TC45. I would be inclined to consult the ODF registrations for an indication of what might be appropriate. OASIS has registered a series of media types with the shared prefix 'vnd.oasis.opendocument' and I would be inclined to take the same approach for OOXML. There does seem to be the question of what organization the registration should come from (SC34, ECMA, ??).

<http://www.iana.org/assignments/media-types/application/vnd.oasis.opendocument.chart> is an example.

Note the security considerations. I imagine something similar (mentioning the possibility of macros being embedded, privacy, etc.) would be needed for OOXML.

2009-03-03 MURATA Makoto:

In the case of RELAX NG compact syntax, I used the standard tree rather than the vendor tree. Note that SC34 can use the standard tree if some standard or amendment explains the media type to be registered.

We can now do the same thing for OOXML media types, but I am inclined to continue to use media type names as shown in 29500. Since the maintainer of OOXML is now SC34/WG4, I believe that SC34/WG4 is now the "vendor" for OOXML.

Security considerations are required. RFC 3023 already explains them, but we might want to add more. Which of the currently use media types (see R-09-0034) contains scripts or programs?

By the way, if my understanding is correct, there are no media types for OOXML documents. Although we have media types for logical parts of OOXML documents, there are no media types for OOXML documents as a whole. (Note: application/pdf exists.)

I believe that we are obliged to create and register a media type for OOXML documents. (I will submit another defect report.)

I wrote:

> By the way,

> when the pack URI scheme is used to reference to files within OOXML

> zip files, will our media types be returned?

Having read Part 2, I guess URIs using the pack scheme are required to return the content type as specified in [Content Types].xml.

Since this is not clearly specified in Annex B of Part 2, we should probably introduce "B.5 Media types" and explicitly state this requirement. (I will submit yet another defect report.)

2009-03-04 MURATA Makoto:

I reviewed all media types appearing in OOXML again. Specialized XML media types in 29500 shouldn't be difficult to register. But I do not find some problems in other media types. I plan to submit more defect reports thru JISC.

I am inclined to register easy ones in a hurry even when we do not provide enough information about security considerations.

1. Specialized XML media types

1) Shouldn't be difficult

29500 has a number of specialized XML media types (i.e., "*+xml"). The format of the MIME bodies are clearly defined in 29500. It should not be difficult to register them in the vendor tree.

Note: If I had been involved in TC45, I would have been against them and proposed to rely on application/xml and content sniffing.

11.3.2 Comments Part

application/vnd.openxmlformats-officedocument.wordprocessingml.comments+xml

11.3.3 Document Settings Part

application/vnd.openxmlformats-officedocument.wordprocessingml.settings+xml

11.3.4 Endnotes Part

application/vnd.openxmlformats-officedocument.wordprocessingml.endnotes+xml

11.3.5 Font Table Part

application/vnd.openxmlformats-officedocument.wordprocessingml.fontTable+xml

11.3.6 Footer Part

application/vnd.openxmlformats-officedocument.wordprocessingml.footer+xml

11.3.7 Footnotes Part

application/vnd.openxmlformats-officedocument.wordprocessingml.footnotes+xml

11.3.8 Glossary Document Part

application/vnd.openxmlformats-officedocument.wordprocessingml.document.glossary+xml

11.3.9 Header Part

application/vnd.openxmlformats-officedocument.wordprocessingml.header+xml

11.3.10 Main Document Part

application/vnd.openxmlformats-officedocument.wordprocessingml.document.main+xml

11.3.10 Main Document Part

application/vnd.openxmlformats-officedocument.wordprocessingml.template.main+xml

11.3.11 Numbering Definitions Part

application/vnd.openxmlformats-officedocument.wordprocessingml.numbering+xml

11.3.12 Style Definitions Part

application/vnd.openxmlformats-officedocument.wordprocessingml.styles+xml

11.3.13 Web Settings Part

- [application/vnd.openxmlformats-officedocument.wordprocessingml.webSettings+xml](#)
- [12.3.1 Calculation Chain Part](#)
 - [application/vnd.openxmlformats-officedocument.spreadsheetml.calcChain+xml](#)
- [12.3.2 Chartsheet Part](#)
 - [application/vnd.openxmlformats-officedocument.spreadsheetml.chartsheet+xml](#)
- [12.3.3 Comments Part](#)
 - [application/vnd.openxmlformats-officedocument.spreadsheetml.comments+xml](#)
- [12.3.4 Connections Part](#)
 - [application/vnd.openxmlformats-officedocument.spreadsheetml.connections+xml](#)
- [12.3.7 Dialogsheet Part](#)
 - [application/vnd.openxmlformats-officedocument.spreadsheetml.dialogsheet+xml](#)
- [12.3.8 Drawings Part](#)
 - [application/vnd.openxmlformats-officedocument.drawing+xml](#)
- [12.3.9 External Workbook References Part](#)
 - [application/vnd.openxmlformats-officedocument.spreadsheetml.externalLink+xml](#)
- [12.3.10 Metadata Part](#)
 - [application/vnd.openxmlformats-officedocument.spreadsheetml.sheetMetadata+xml](#)
- [12.3.11 Pivot Table Part](#)
 - [application/vnd.openxmlformats-officedocument.spreadsheetml.pivotTable+xml](#)
- [12.3.12 Pivot Table Cache Definition Part](#)
 - [application/vnd.openxmlformats-officedocument.spreadsheetml.pivotCacheDefinition+xml](#)
- [12.3.13 Pivot Table Cache Records Part](#)
 - [application/vnd.openxmlformats-officedocument.spreadsheetml.pivotCacheRecords+xml](#)
- [12.3.14 Query Table Part](#)
 - [application/vnd.openxmlformats-officedocument.spreadsheetml.queryTable+xml](#)
- [12.3.15 Shared String Table Part](#)
 - [application/vnd.openxmlformats-officedocument.spreadsheetml.sharedStrings+xml](#)
- [12.3.16 Shared Workbook Revision Headers Part](#)
 - [application/vnd.openxmlformats-officedocument.spreadsheetml.revisionHeaders+xml](#)
- [12.3.17 Shared Workbook Revision Log Part](#)
 - [application/vnd.openxmlformats-officedocument.spreadsheetml.revisionLog+xml](#)
- [12.3.18 Shared Workbook User Data Part](#)
 - [application/vnd.openxmlformats-officedocument.spreadsheetml.userNamees+xml](#)
- [12.3.19 Single Cell Table Definitions Part](#)
 - [application/vnd.openxmlformats-officedocument.spreadsheetml.tableSingleCells+xml](#)
- [12.3.20 Styles Part](#)
 - [application/vnd.openxmlformats-officedocument.spreadsheetml.styles+xml](#)
- [12.3.21 Table Definition Part](#)
 - [application/vnd.openxmlformats-officedocument.spreadsheetml.table+xml](#)
- [12.3.22 Volatile Dependencies Part](#)
 - [application/vnd.openxmlformats-officedocument.spreadsheetml.volatileDependencies+xml](#)
- [12.3.23 Workbook Part](#)
 - [application/vnd.openxmlformats-officedocument.spreadsheetml.sheet.main+xml](#)
- [12.3.23 Workbook Part](#)

[application/vnd.openxmlformats-officedocument.spreadsheetml.template.main+xml](#)
[12.3.24 Worksheet Part](#)
[application/vnd.openxmlformats-officedocument.spreadsheetml.worksheet+xml](#)
[13.3.1 Comment Authors Part](#)
[application/vnd.openxmlformats-officedocument.presentationml.commentAuthors+xml](#)
[13.3.2 Comments Part](#)
[application/vnd.openxmlformats-officedocument.presentationml.comments+xml](#)
[13.3.3 Handout Master Part](#)
[application/vnd.openxmlformats-officedocument.presentationml.handoutMaster+xml](#)
[13.3.4 Notes Master Part](#)
[application/vnd.openxmlformats-officedocument.presentationml.notesMaster+xml](#)
[13.3.5 Notes Slide Part](#)
[application/vnd.openxmlformats-officedocument.presentationml.notesSlide+xml](#)
[13.3.6 Presentation Part](#)
[application/vnd.openxmlformats-officedocument.presentationml.presentation.main+xml](#)
[13.3.6 Presentation Part](#)
[application/vnd.openxmlformats-officedocument.presentationml.slideshow.main+xml](#)
[13.3.6 Presentation Part](#)
[application/vnd.openxmlformats-officedocument.presentationml.template.main+xml](#)
[13.3.7 Presentation Properties Part](#)
[application/vnd.openxmlformats-officedocument.presentationml.presProps+xml](#)
[13.3.8 Slide Part](#)
[application/vnd.openxmlformats-officedocument.presentationml.slide+xml](#)
[13.3.9 Slide Layout Part](#)
[application/vnd.openxmlformats-officedocument.presentationml.slideLayout+xml](#)
[13.3.10 Slide Master Part](#)
[application/vnd.openxmlformats-officedocument.presentationml.slideMaster+xml](#)
[13.3.11 Slide Synchronization Data Part](#)
[application/vnd.openxmlformats-officedocument.presentationml.slideUpdateInfo+xml](#)
[13.3.12 User Defined Tags Part](#)
[application/vnd.openxmlformats-officedocument.presentationml.tags+xml](#)
[13.3.13 View Properties Part](#)
[application/vnd.openxmlformats-officedocument.presentationml.viewProps+xml](#)
[14.2.1 Chart Part](#)
[application/vnd.openxmlformats-officedocument.drawingml.chart+xml](#)
[14.2.2 Chart Drawing Part](#)
[application/vnd.openxmlformats-officedocument.drawingml.chartshapes+xml](#)
[14.2.3 Diagram Colors Part](#)
[application/vnd.openxmlformats-officedocument.drawingml.diagramColors+xml](#)
[14.2.4 Diagram Data Part](#)
[application/vnd.openxmlformats-officedocument.drawingml.diagramData+xml](#)
[14.2.5 Diagram Layout Definition Part](#)
[application/vnd.openxmlformats-officedocument.drawingml.diagramLayout+xml](#)
[14.2.6 Diagram Style Part](#)

[application/vnd.openxmlformats-officedocument.drawingml.diagramStyle+xml](#)

[14.2.7 Theme Part](#)

[application/vnd.openxmlformats-officedocument.theme+xml](#)

[14.2.8 Theme Override Part](#)

[application/vnd.openxmlformats-officedocument.themeOverride+xml](#)

[14.2.9 Table Styles Part](#)

[application/vnd.openxmlformats-officedocument.presentationml.tableStyles+xml](#)

[15.2.12.1 Core File Properties Part](#)

[application/vnd.openxmlformats-package.core-properties+xml](#)

[15.2.12.2 Custom File Properties Part](#)

[application/vnd.openxmlformats-officedocument.custom-properties+xml](#)

[15.2.12.3 Extended File Properties Part](#)

[application/vnd.openxmlformats-officedocument.extended-properties+xml](#)

[15.2.6 Custom XML Data Storage Properties Part](#)

[application/vnd.openxmlformats-officedocument.customXmlProperties+xml](#)

[15.2.8 Digital Signature XML Signature Part](#)

[application/vnd.openxmlformats-package.digital-signature-xmlsignature+xml](#)

[2\) Should have been specialized media types?](#)

[12.3.6 Custom XML Mappings Part](#)

[application/xml http://schemas.openxmlformats.org/spreadsheetml/2006/main](#)

[15.2.1 Additional Characteristics Part](#)

[application/xml](#)

[http://schemas.openxmlformats.org/officeDocument/2006/additionalCharacteristics](#)

[15.2.3 Bibliography Part](#)

[application/xml http://schemas.openxmlformats.org/officeDocument/2006/bibliography](#)

[Since OOXML has so many specialized media types \(i.e., ones ending with "+xml"\), I do not understand why the above parts do not have specialized media types.](#)

[Note: One could argue that this is not a defect but merely a peculiar design choice.](#)

[2. Doubtful media types](#)

[1\) 15.2.7 Digital Signature Origin Part](#)

[application/vnd.openxmlformats-package.digital-signature-origin](#)

[The MIME body of this media type is always empty. Thus, this media type does look strange to me. Should we register this anyway?](#)

[2\) 15.2.13 Font Part](#)

[application/vnd.openxmlformats-officedocument.obfuscatedFont](#)

[DR 09-0012 already reports that this media type has no definitions.](#)

3) 15.2.15 Printer Settings Part

application/vnd.openxmlformats-officedocument.spreadsheetml.printerSettings (in SpreadsheetML documents)

15.2.15 Printer Settings Part

application/vnd.openxmlformats-officedocument.wordprocessingml.printerSettings (in WordprocessingML documents)

These media types are very strange, since they do not provide any information about the MIME body.

"An instance of this part type contains information about the initialization and environment of a printer or a display device. The layout of this information is application-defined."

We could have registered a media type for DEVMODE and another for the print record of MAC OS.

4) Part4 8.1 VML Drawing Part

application/vnd.openxmlformats-officedocument.vmlDrawing

This media type should have ended with "+xml" so that generic XML tools can handle VML Drawing parts.

5) 11.3.1 Alternative Format Import Part

application/vnd.openxmlformats-officedocument.wordprocessingml.document

There are no clear definitions of this media type. Is the MIME body a WML package?

6) 12.3.5 Custom Property Part

application/vnd.openxmlformats-officedocument.spreadsheetml.customProperty

This media types is very strange, since it does not provide any information about the MIME body.

"This part supports the storage of user-defined data."

7) 15.2.9 Embedded Control Persistence Part

application/vnd.ms-office.activeX+xml

This media type has no definitions. What is the MIME body? Is the MIME body of this media type really XML? If not, why "+xml"?

8) application/x-fontdata and application/x-font-ttf

See DR 09-0036 and DR 09-0039.

2009-03-04 MURATA Makoto:

> I wrote:

>> By the way,

>> when the pack URI scheme is used to reference to files within OOXML

>> zip files, will our media types be returned?

≥

> Having read Part 2, I guess URIs using the pack scheme are required to

> return the content type as specified in [Content Types].xml.

> Since this is not clearly specified in Annex B of Part 2, we should

> probably introduce "B.5 Media types" and explicitly state this

> requirement. (I will submit yet another defect report.)

I find that the pack URI scheme registered at IANA is based on an Internet Draft <draft-shur-pack-uri-scheme-05.txt>, available at: <http://www.ietf.org/internet-drafts/draft-shur-pack-uri-scheme-05.txt>

This document is brand new but is still based on Ecma-376 (1st edition). In particular, non-ASCII logical part names are not allowed.

Moreover, this I-D does not say anything about what is a package, what happens when a non-package MIME entity is located, and what is returned.

Q1: If a non-zip file is returned, what will happen?

Q2: If a non-OPC zip file is returned, what will happen?

Q3: Does this pack scheme apply to both Ecma OOXML OPC packages (1st edition) and 29500 OPC packages?

Q4: What happens when non-ASCII part names are used? In other words, what will happen when the pack scheme is used for IRIs?

Q5: Will the returned MIME header contain media types as specified in [Content Types].xml?

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:

None

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: 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: Technical defect

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:

2009-02-16 Shawn Villaron:

This issue deals with some ambiguity associated with the length of the supplied password in PresentationML. The current text states the following:

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.

The question relates to the meaning of "longer than 255 characters." I believe that the intent of this limitation is to support up to 510 bytes.

I'm curious as to how everyone thinks we should rephrase things. Do we think that this updated text would suffice addressing this issue:

The password supplied to the algorithm is to be a UTF-16LE encoded string; strings longer than 510 bytes are truncated to 510 bytes. If there is a leading BOM character (U+FEFF) in the encoded password it is removed before hash calculation.

Do we think we need more information here?

2009-02-16 MURATA Makoto:

I support the idea of replacing "255 characters" with "510 bytes". Although "255 characters" are actually correct, some people will think that a surrogate pair is a single character and thus misinterpret this sentence.

2009-02-17 Jesper Lund Stocholm:

I agree. The sentence is quite specific in terms of "UTF16LE"-encoding and using the (layman's) term "characters" is a bit confusing. Using 510 /bytes/ would be in line with the "level" of the rest of the paragraph.

2009-02-17 MURATA Makoto:

Oops, we are a part of ISO. We should use "octet" rather than "byte", since a byte is not always 8 bits. ISO/IEC 10646 uses "octet".

2009-02-18 Shawn Villaron:

Thanks. I was wondering if we should add an additional constraint regarding the number of octets. For example, what do we think about this text:

The password supplied to the algorithm is to be a UTF-16LE encoded string; strings longer than 510 octets are truncated to 510 octets. Further, the number of octets should be evenly divisible by the size of the octets of the character in the target octet set. If there is a leading BOM character (U+FEFF) in the encoded password it is removed before hash calculation.

Does this add any value?

86. DR 09-0071 — WML, Simple Types: Katakana enumeration examples

Status: Open

Subject: WML, Simple Types: Katakana enumeration examples

Qualifier: ~~Editorial~~[Technical](#) 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~~ If the proposed solution is adopted, this becomes a technical change as the Description column of the table entry needs to be changed, as well as the example at its end.

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 ~~p~~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

92. DR 09-0077 — Schemas, RELAX NG: Error in Theme Override Part

Status: Closed; will be incorporated in COR1.

Subject: RELAX NG Schema error in Theme Override Part

Qualifier: Editorial Defect

Submitter: JISC

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

Submitter's Defect Number: 08-00070

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §B.4.1.1.3, "Theme Override Part", pp. 4875, schema line 10; Part 4, §B.4.1.1.3, "Theme Override Part", pp. 1379, schema line 11.

Related DR(s): none

Nature of the Defect:

a_theme in the RELAX NG Schema for the part "Theme Override Part" (DrawingML_Theme_Override.rnc) should be a_themeOverride.

Solution Proposed by the Submitter:

See above.

Schema Change(s) Needed: Yes

Editor's Response:

Agreed

93. DR 09-0078 — Schemas, RELAX NG: Schema missing

Status: Closed; will be incorporated in COR1.

Subject: RELAX NG Schema missing

Qualifier: Editorial defect

Submitter: JISC

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

Submitter's Defect Number: 08-00071

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 4, §B.2.1, "Part Schemas", pp. 1301

Related DR(s): none

Nature of the Defect:

The schema for the VML Drawing Part (§8.1, Part 4) is missing.

Solution Proposed by the Submitter:

Add the following schema, SpreadsheetML_VML_Drawing.rnc:

```
include "wml.rnc"  
include "shared-relationshipReference.rnc"  
include "dml-wordprocessingDrawing.rnc"  
include "dml-main.rnc"  
include "dml-diagram.rnc"  
include "shared-commonSimpleTypes.rnc"  
include "dml-lockedCanvas.rnc"  
include "any.rnc"  
include "dml-chart.rnc"
```



```

include "dml-chartDrawing.rnc"
include "dml-picture.rnc"
include "dml-compatibility.rnc"
include "vml-presentationDrawing.rnc"
include "xml.rnc"
include "shared-customXmlSchemaProperties.rnc"
include "vml-officeDrawing.rnc"
include "vml-main.rnc"
include "vml-spreadsheetDrawing.rnc"
include "vml-wordprocessingDrawing.rnc"
include "shared-math.rnc"
start = element xml {(vml-main | vml-officeDrawing | vml-spreadsheetDrawing |
vml-presentationDrawing)* }

```

```

vml-main =
  v_shape
  | v_shapetype
  | v_group
  | v_background
  | v_fill
  | v_formulas
  | v_handles
  | v_imagedata
  | v_path
  | v_textbox
  | v_shadow
  | v_stroke
  | v_textpath
  | v_arc
  | v_curve
  | v_image
  | v_line
  | v_oval
  | v_polyline
  | v_rect
  | v_roundrect

```

```

vml-officeDrawing =
  o_shapedefaults
  | o_shapelayout
  | o_signatureline
  | o_ink
  | o_diagram

```

- | o_equationxml
- | o_skew
- | o_extrusion
- | o_callout
- | o_lock
- | o_OLEObject
- | o_complex
- | o_left
- | o_top
- | o_right
- | o_bottom
- | o_column
- | o_clippath
- | o_fill

vml-wordprocessingDrawing =

- w10_bordertop
- | w10_borderleft
- | w10_borderright
- | w10_borderbottom
- | w10_wrap
- | w10_anchorlock

vml-spreadsheetDrawing = x_ClientData

vml-presentationDrawing = pvml_iscomment | pvml_textdata

Schema Change(s) Needed: Yes

Editor's Response:

Agreed

94. DR 09-0079 — Schemas, RELAX NG: Error in PML

Status: Closed; will be incorporated in COR1.

Subject: RELAX NG Schema error in PML

Qualifier: Editorial defect

Submitter: JISC

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

Submitter's Defect Number: 08-00072

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §B.3, "PresentationML", pp. 4818; Part 4, §B.3, "PresentationML", pp. 1319

Related DR(s): none

Nature of the Defect:

Two parameters of the same name "minInclusive" appear in the definition of p_ST_SlideSizeCoordinate.

```
p_ST_SlideSizeCoordinate =  
  xsd:int {  
    minInclusive = "0"  
    minInclusive = "914400"  
    maxInclusive = "51206400"  
  }
```

Solution Proposed by the Submitter:

Delete the line `minInclusive = "0"`.

Schema Change(s) Needed: Yes

Editor's Response:

Agreed

95. DR 09-0080 — General: Unintended underscore characters in text

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

Subject: Unintended underscore characters in text

Qualifier: Editorial defect

Submitter: Mr. Francis Cave (BSI)

Contact Information: francis@franciscave.com

Submitter's Defect Number: GB-4

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §17.2.1 (pp. 193), §17.3.4 (pp. 386), §17.6.2 (pp. 617), §17.6.7 (pp. 632), §17.6.15 (pp. 655), §17.6.21 (pp. 673), §17.13.4.2 (pp. 905), §17.16.5 (pps. 1340, 1341, 1342, 1343), §17.18.59 (pps. 1574, 1587, 1590, 1591, 1592, 1613), §18.2.3 (pps. 1709, 1710), §18.3.1.40 (pp. 1806), §18.3.1.85 (pp. 1870), §18.10.1.73 (pps. 2142, 2146), §18.14.11 (pp. 2251), §18.17.7.2 (pps. 2306, 2307), §18.17.7.66 (pp. 2385), §18.17.7.74 (pp. 2393), §18.17.7.76 (pp. 2397), §18.17.7.298 (pp. 2605), §19.5.46 (pp. 2921), §19.5.63 (pps. 2936, 2937), §19.5.68 (pp. 2942), §19.5.70 (pp. 2943), §20.1.2.2.32 (pp. 3044), §20.1.3.7 (pp. 3089), §21.1.2.2.2 (pps. 3569, 3570 (in Arabic example)), §21.1.2.2.7 (pps. 3590, 3591 (in Arabic example)), §21.1.2.4.13 (pps. 3651, 3652 (in Arabic example)), §21.1.2.4.14 (pps. 3660, 3661 (in Arabic example)), §21.1.2.4.15 (pps. 3669, 3669 (in Arabic example)), §21.1.2.4.16 (pps. 3677, 3678 (in Arabic example)), §21.1.2.4.17 (pps. 3686, 3686 (in Arabic example)), §21.1.2.4.18 (pp. 3694, 3695 (in Arabic example)), §21.1.2.4.19 (pps. 3703, 3703 (in Arabic example)), §21.1.2.4.20 (pps. 3711, 3712 (in Arabic example)), §21.1.2.4.21 (pps. 3720, 3720 (in Arabic example)),

Related DR(s): none

Nature of the Defect:

As a result of incorporation of revised text from Ecma responses to NB comments that were agreed at the BRM a number of unintended underscore characters remain in the text, coloured blue.

Solution Proposed by the Submitter:

Remove blue underscore formatting where indicated.

Schema Change(s) Needed: No

Editor's Response:

96. DR 09-0081 — General: Inter-word space missing

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

Subject: Inter-word space missing

Qualifier: Editorial defect

Submitter: Mr. Francis Cave (BSI)

Contact Information: francis@franciscave.com

Submitter's Defect Number: GB-5

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §15.2.15 (pp. 162), §17.16.5.33 (pp. 1369), §M.1.8.5 (pp. 5100)

Related DR(s): none

Nature of the Defect:

Inter-word space characters missing.

Solution Proposed by the Submitter:

Insert space where required (NOTE - space underlined in blue):

In §15.2.15:

[*Example:* An Office Open XML producer on Windows might store the DEVMODE structure defined here: http://msdn.microsoft.com/library/default.asp?url=/library/en-us/gdi/prntspol_8nle.asp, while an application on the Mac OS might choose to store the print record defined here: <http://developer.apple.com/documentation/Printing/index.html>. *end example*]

In §17.16.5.33:

Description: Computes the next value from a specific_level of a numbering definition, or a specific value_from a specific level of a numbering definition.

In §M.1.8.5:

Consider the following two styles which comprise a linked style pairing that defines the following: font is Arial, font color is green; paragraph spacing is double, and indent is 1_inch left. The resulting style definitions would be:

Schema Change(s) Needed: No

Editor's Response:

[Agreed.](#)

97. DR 09-0082 — General: Unsatisfactory attribute name example

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

Subject: Unsatisfactory choice of attribute name example in §5 Notational Conventions and unsatisfactory styling of tag, attribute and datatype names throughout

Qualifier: Editorial defect

Submitter: Mr. Francis Cave (BSI)

Contact Information: francis@franciscave.com

Submitter's Defect Number: GB-6

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §5 (pp. 14) specifically and generally throughout

Related DR(s): none

Nature of the Defect:

The decision of the BRM to accept Response 891 does not appear to have been implemented. The style of presentation of element, attribute and data type names does not make it easy to distinguish between them. It was agreed in Response 891 that a longer attribute name should be used in §5, but it is still as in the DIS text.

Solution Proposed by the Submitter:

Choose more distinctive styles for presenting element, attribute and data type names. Choose a longer example of an attribute name for §5, e.g. 'linkTarget'

Schema Change(s) Needed: No

Editor's Response:

The BRM did approve Response 891, which promised to use element “root” instead of “document”, and the longer element attribute name “identifiable” instead of “id”. However, as pointed out in this DR, those changes were not made. Note that the response did *not* propose changing any styles.

I agree to change those two names as was promised in Response 891.

98. DR 09-0083 — DML chart element ‘userShapes’ lacking Parent Element box

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

Subject: DML chart element ‘userShapes’ lacking Parent Element box

Qualifier: Editorial defect

Submitter: Mr. Francis Cave (BSI)

Contact Information: francis@franciscave.com

Submitter’s Defect Number: GB-7

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §21.2.2.220 (pp. 3867-3868)

Related DR(s): none

Nature of the Defect:

The Parent Elements box has not been added (see Ecma Response 893 agreed by BRM).

Solution Proposed by the Submitter:

Replace existing §21.2.2.220 with (new text highlighted in blue and underlined):

98.1.1.1 userShapes (User Shapes)

This element shall specify the shapes drawn on top of the chart.

<u>Parent Elements</u>
<u>Root element of Chart Drawing part.</u>

Child Elements	Subclause
-----------------------	------------------

Child Elements	Subclause
absSizeAnchor (Absolute Anchor Shape Size)	§xx
relSizeAnchor (Relative Anchor Shape Size)	§xx

[Note: The W3C XML Schema definition of this element's content model ([CT_Drawing](#)) is located in §xx. *end note*]

Schema Change(s) Needed:

Editor's Response:

[I agree that the changed promised in Response 893 did not get implemented. These tables are programmatically generated from the schema, so, it appears there might be something wrong with that generation process.](#)

99. DR 09-0084 — WML: Ecma Response 261 not fully implemented

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

Subject: Ecma Response 261 not fully implemented

Qualifier: Editorial defect

Submitter: Mr. Francis Cave (BSI)

Contact Information: francis@franciscave.com

Submitter's Defect Number: GB-8

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §17.4.66 (pps. 494, 495), §17.4.79 (pps. 512, 513)

Related DR(s): none

Nature of the Defect:

The text of the example "Hello World", appears first (twice) without then with a comma. The word "World" should be "world" (see Response 261 agreed by BRM).

Solution Proposed by the Submitter:

Revise text at the start of the Example in each case with:

[Example: Consider a table consisting of a single table cell, which contains the text Hello, world:

Hello, <u>w</u> World

Schema Change(s) Needed: No

Editor's Response:

Just to be clear, Response 261 was implemented as proposed. It applied only to the Primer (formerly Part 3), with the result being in Part 1, §M.1.5.4, pp. 5081.

Separately, throughout Part 1 there are a number of uses of the phrase “Hello world” in which the letter w is sometimes capitalized and sometimes not, and sometimes preceded by a comma and sometimes not. §17.4.66 and §17.4.79 are two more instances of the same kind of discrepancy as was dealt with by, but not included in, Response 261. As such, I agree to make each XML example with and related narrative agree.

100. DR 09-0085 — WML: Incorrect style name in 'w:val' attributes in Examples

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

Subject: Incorrect style name in 'w:val' attributes in Examples

Qualifier: Editorial defect

Submitter: Mr. Francis Cave (BSI)

Contact Information: francis@franciscave.com

Submitter's Defect Number: GB-9

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §17.7.4 (pp. 683), §17.7.4.17 (pp. 707), §17.15.1.29 (pp. 1144)

Related DR(s): none

Nature of the Defect:

There are still occurrences where "heading 1" has not been changed to "Heading 1" in w:val attributes in Examples (see Ecma Response 264 agreed by the BRM).

Solution Proposed by the Submitter:

In §17.7.4 and §17.7.4.17 revise text of the Examples as shown below:

[*Example:* Consider a style called Heading 1 in a document as follows:

```

<w:style w:type="paragraph" w:styleId="Heading1">
  <w:name w:val="hHeading 1"/>
  <w:basedOn w:val="Normal"/>
  <w:next w:val="Normal"/>
  <w:link w:val="Heading1Char"/>
  <w:uiPriority w:val="1"/>
  <w:qformat/>
  <w:rsid w:val="00F303CE"/>
  ...
</w:style>

```

In §17.15.1.29 revise text of the Example as shown below:

```

<w:style w:type="paragraph" w:styleId="Heading1">
  <w:name w:val="hHeading 1" />
  <w:locked w:val="1" />
  ...
</w:style>

```

Schema Change(s) Needed: No

Editor's Response:

[Just to be clear, Response 264 was implemented as proposed. It applied only to one instance in the Primer \(formerly Part 3\), with the result being in Part 1, §M.1.8.2, pp. 5097.](#)

[§17.7.4 and §17.7.4.17 are two more instances of the same kind of discrepancy as was dealt with by, but not included in, Response 264. As such, I agree to make these changes. In the case of §17.15.1.29, there is no mention in narrative of the style's name, so, as it stands, the example does not appear to be in error; however, I see no harm in changing that one too, to be consistent.](#)

101. DR 09-0086 — Primer: Duplicate mathematical expressions in Primer

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

Subject: Duplicate mathematical expressions in Primer

Qualifier: Editorial defect

Submitter: Mr. Francis Cave (BSI)

Contact Information: francis@franciscave.com

Submitter's Defect Number: GB-10

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §M.6.1 (pp. 5507)

Related DR(s): none

Nature of the Defect:

Duplicate mathematical expressions (text paired with stretching character, bar fraction, stack object).

Solution Proposed by the Submitter:

Revise text of paragraph as follows (NOTE – revised text in blue but *not* underscored or struck through, for clarity):

The following subclauses introduce each of the math objects that comprise the majority of the OMMML schema. Since this language is designed for text processing rather than calculations, when writing math zones in an XML representation, more attention is given to the layout and appearance of mathematical text than to mathematical semantics. That is, \overrightarrow{abc} and \overleftarrow{abc} are represented by the same object, although they have different mathematical meanings, because both consist of text paired with a stretching character. Similarly, $\frac{n}{k}$ and $\frac{n}{k}$ are both represented by a fraction object. Though mathematically they have different meaning, their

layout is similar. Another example is x^2 , which could be x squared or a tensor component. Regardless of these semantics, it is represented by a superscript object.

Schema Change(s) Needed: No

Editor's Response:

[Agreed.](#)

102. DR 09-0087 — Strict Part Normative References to transitional features

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

Subject: Strict Part Normative references to transitional features

Qualifier: Editorial defect

Submitter: Mr. Francis Cave (BSI)

Contact Information: francis@franciscave.com

Submitter's Defect Number: GB-11

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §12.3.10 (pp. 82), §12.3.12 (pp. 85), §17.16.5.49 (pp. 1382), §18.10.1.67 (pps. 2093, 2096), §M.2.9.3.2 (pps. 5239, 5242), §M.2.12.3 (pp. 5269)

Related DR(s): none

Nature of the Defect:

References to transitional features are confusing because they are not defined in this Part, and this Part cannot depend normatively upon Part 4 where they are defined.

Solution Proposed by the Submitter:

Re-word the text to omit references to transitional features:

In §12.3.10, §12.3.12, §18.10.1.67, §M.2.9.3.2, §M.2.12.3 replace 'refreshedDate' with 'refreshedDateIso'.

In §17.16.5.49 revise text as follows:

Description: Retrieves the text specified by *text* in *field-argument*. This text can include any other fields except ~~AUTONUM, AUTONUMLGL, AUTONUMOUT, and~~ SYMBOL.

Schema Change(s) Needed: No

Editor's Response:

Regarding replacing "refreshedDate" with "refreshedDateIso", I agree. In addition, in §18.10.1.67, in the attribute table entry for "refreshedDateIso" must be corrected, as follows:

~~if refreshedDateIso and refreshedDate are both present, refreshedDateIso shall take precedence."~~

as in strict mode, refreshedDate must not be present.

Regarding §17.16.5.49, I agree. However, a consequence of this is that we need to add this extra constraint to Part 4, as follows:

Part 4, 9.9.4.8 QUOTE

This field retrieves the text specified by *text* in *field-argument*. In strict conformance mode, this text may include any other fields except SYMBOL. However, in transitional conformance mode, this text may include any other fields except AUTONUM, AUTONUMLGL, AUTONUMOUT, and SYMBOL.

As such, this DR results in changes to Parts 1 and 4, which will be handled by different CORs.

103. DR 09-0088 — Shared MLs: Incorrect citation of Normative Reference

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

Subject: Incorrect citation of Normative Reference

Qualifier: Editorial defect

Submitter: Mr. Francis Cave (BSI)

Contact Information: francis@franciscave.com

Submitter's Defect Number: GB-12

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §22.9.2.1 (pp. 4319)

Related DR(s): none

Nature of the Defect:

The citation of the normative reference "Har'El, Zvi" for the description of the Hebrew lunar calendar is missing. The document in question is correctly listed in §3 (Normative References).

Solution Proposed by the Submitter:

Remove the word "CITATION" and replace with "Har'El":

Enumeration Value	Description
...	...
hebrew (Hebrew)	Specifies that the Hebrew lunar calendar, as described by the Gauss formula for Passover [Har'El, Zvi CITATION] and The Complete Restatement of Oral Law (Mishneh Torah), shall be used.

Schema Change(s) Needed: No

Editor's Response:

[Agreed.](#)

104. DR 09-0089 — WML: DATE Field switch names incorrectly styled

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

Subject: Field switch names incorrectly styled

Qualifier: Editorial defect

Submitter: Mr. Francis Cave (BSI)

Contact Information: francis@franciscave.com

Submitter's Defect Number: GB-13

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §17.16.5.13 (pp. 1353)

Related DR(s): none

Nature of the Defect:

Italics have been lost in the table and should be reinstated for field switch names, for consistency with text elsewhere.

Solution Proposed by the Submitter:

Revise table to reinstate use of italics for field switch names:

Switches: Zero or one *date-and-time-formatting-switch* and zero or one of the following *field-specific-switches*.

\h	Use the Hijri Lunar or Hebrew Lunar calendar, depending on the language specified by the lang element (§xx).
----	--

\1	When a field update is performed, if no date-and-time-formatting-switch is used, this switch is an instruction specifying that the field shall use the date-and-time-formatting-switch last used by the hosting application when inserting a new DATE field. If there is no last-used date format available, then the date-and-time-formatting-switch used is implementation-defined.
\s	Use the Saka Era calendar.

Schema Change(s) Needed: No

Editor's Response:

[Agreed.](#)

105. DR 09-0090 — WML: Incorrect case used for ISO country code in 'en-ca'

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

Subject: Incorrect case used for ISO country code in 'en-ca'

Qualifier: Editorial defect

Submitter: Mr. Francis Cave (BSI)

Contact Information: francis@franciscave.com

Submitter's Defect Number: GB-14

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §17.3.1.30 (pp. 258), §17.3.2.27 (pp. 321), §17.3.2.28 (pp. 323)

Related DR(s): none

Nature of the Defect:

ISO country codes should always be in upper-case, including when used as locale codes with language codes.

Solution Proposed by the Submitter:

Change all instances of "en-ca" to "en-CA".

Schema Change(s) Needed: No

Editor's Response:

[Agreed.](#)

106. DR 09-0091 — WML: Inconsistent citation of Normative Reference ‘XSLT’

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

Subject: Inconsistent citation of Normative Reference ‘XSLT’

Qualifier: Editorial defect

Submitter: Mr. Francis Cave (BSI)

Contact Information: francis@franciscave.com

Submitter’s Defect Number: GB-15

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §17.9.18 (pp. 804), §17.11.17 (pp. 866), §17.11.18 (pp. 867)

Related DR(s): ~~none~~ [DR 08-0100](#)

Nature of the Defect:

Inconsistent citation of normative reference "XSLT". All except in this case are "XSLT 1.0". However, may be better to change all to "XSLT", so that only §3 needs to be revised in future. [NOTE – An exception is the introductory text to §E, in which “XSLT 1.0” is referring to the specific version of XSLT used to test the processing of bitfields.]

Solution Proposed by the Submitter:

Replace “XSLT 1.0” with “XSLT”:

Attributes	Description
------------	-------------

Attributes	Description
format (Custom Defined Number Format)	<p>Specifies a custom number format using the syntax defined by the XSLT 1.0-format attribute. This format shall be used for all numbering in the parent object.</p> <p><i>[Example: A value of &#x30A2; indicates that a consumer must use Katakana numbering. end example]</i></p> <p>The possible values for this attribute are defined by the ST_String simple type (§xx).</p>

Schema Change(s) Needed: No

Editor's Response:

[Agreed. Note that the response to DR-0100 results in the removal of Annex E, in which case, the mention of a specific version will go away.](#)

107. DR 09-0092 — WML: Identical definitions for ST_NumberFormat enumeration values

Status: Open

Subject: Identical definitions for ST_NumberFormat enumeration values

Qualifier: Editorial defect

Submitter: Mr. Francis Cave (BSI)

Contact Information: francis@franciscave.com

Submitter's Defect Number: GB-16

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §17.18.59 (pp. 1584)

Related DR(s): none

Nature of the Defect:

The description of "decimalFullWidth2" is the same as that for "decimalFullWidth" (see Ecma Response 70 agreed by the BRM).

Solution Proposed by the Submitter:

Revise the description of 'decimalFullWidth2' to commence as follows:

Specifies that the sequence shall consist of an [alternative](#) set of full-width Arabic numbering, [if one exists in the run font](#).

Schema Change(s) Needed: No

Editor's Response:

While it is true that the text of Response 70 does include the wording you propose above, in the original binary format these two enumeration values are equivalent.

108. DR 09-0093 — WML: Incorrect simple type name in example of 'ST_UcharHexNumber'

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

Subject: Incorrect simple type name in example of 'ST_UcharHexNumber'

Qualifier: Editorial defect

Submitter: Mr. Francis Cave (BSI)

Contact Information: francis@franciscave.com

Submitter's Defect Number: GB-17

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §17.18.98 (pp. 1672)

Related DR(s): none

Nature of the Defect:

The example contains the wrong simple type name.

Solution Proposed by the Submitter:

Change "ST_LongHexNumber" to "ST_UcharHexNumber":

[*Example:* Consider the following value for a node of type ST_~~Uchar~~~~Long~~HexNumber: BE.

Schema Change(s) Needed: No

Editor's Response:

[Agreed.](#)

109. DR 09-0094 — WML: Ecma Response 71 not fully implemented in definition of 'ST_Shade'

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

Subject: Ecma Response 71 not fully implemented in definition of 'ST_Shade'

Qualifier: Editorial defect

Submitter: Mr. Francis Cave (BSI)

Contact Information: francis@franciscave.com

Submitter's Defect Number: GB-18

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §17.18.78 (pp. 1633)

Related DR(s): none

Nature of the Defect:

The changes to the text agreed by the BRM (see Ecma Response 71) have not been made.

Solution Proposed by the Submitter:

Revise the first two paragraphs of as follows:

This simple type specifies the pattern which shall be used to lay the pattern color over the background color for ~~a~~-shading.

This pattern consists of a mask which is applied over the background shading color to get the locations where the pattern color should be shown. Each of these possible masks ~~are~~is shown in the enumeration values ~~located~~ below. In each example, [an 8 pixel by 8 pixel mask is displayed where](#) black has been used as the fill color [\(the](#)

parent element's fill attribute), and white has been used as the pattern color (the parent element's color attribute). When the shading is applied, the mask is tiled as necessary to match the size of the shaded area.

Schema Change(s) Needed: No

Editor's Response:

Agreed; although the Description for each Enumeration Value was changed correctly, the introductory text cited above was not.

110. DR 09-0095 — SML: References to non-existent attribute ‘paperUnits’

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

Subject: References to non-existent attribute ‘paperUnits’

Qualifier: Editorial defect

Submitter: Mr. Francis Cave (BSI)

Contact Information: francis@franciscave.com

Submitter’s Defect Number: GB-19

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §18.3.1.63 (pps. 1827, 1830), §18.3.1.64 (pps. 1832, 1834), §21.2.2.134 (pps. 3822, 3825)

Related DR(s): none

Nature of the Defect:

There are references to a non-existent attribute ‘paperUnits’ in Examples and in definitions of the attribute ‘paperSize’.

Solution Proposed by the Submitter:

Remove references to ‘paperUnits’:

In Examples (pps. 1827, 1832, 3822):

```
<pageSetup blackAndWhite="true" draft="false" paperHeight="1189mm"
paperWidth="841mm" paperUnits="mm"/>
```

In definitions of the attribute ‘paperSize’ (pps. 1830, 1834, 3825):

When paperHeight, [and](#) paperWidth, ~~and paperUnits~~ are specified, paperSize should be ignored.

Schema Change(s) Needed: No

Editor's Response:

[Agreed.](#)

111. DR 09-0096 — DML: Error in definition of attribute 'paperSize'

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

Subject: Error in definition of attribute 'paperSize'

Qualifier: Editorial defect

Submitter: Mr. Francis Cave (BSI)

Contact Information: francis@franciscave.com

Submitter's Defect Number: GB-20

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §21.2.2.134 (pp. 3823)

Related DR(s): none

Nature of the Defect:

Text following name of attribute 'paperSize' in the definition table says "(Page size)" but should say "(Paper size)".

Solution Proposed by the Submitter:

Change "(Page size)" to "(Paper size)":

paperSize (~~Page~~[Paper](#) Size)

Schema Change(s) Needed: No

Editor's Response:

[Agreed.](#)

112. DR 09-0097 — General: Miscellaneous mis-spellings

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

Subject: Miscellaneous mis-spellings

Qualifier: Editorial defect

Submitter: Mr. Francis Cave (BSI)

Contact Information: francis@franciscave.com

Submitter's Defect Number: GB-21

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §18.3.1.25 (pp. 1786), §18.3.2.2 (pp. 1888), §18.10.1.46 (pp.2072)

Related DR(s): none

Nature of the Defect:

In §18.3.1.25 the token 'AutoFilter' is mis-spelt 'AutoFitler' in text following the attribute name 'showAutoFilter' in the attribute definition table.

In §18.3.2.2 'filter' is mis-spelt 'fitler' in the first paragraph.

In §18.10.1.46 the word 'if' is mis-spelt 'f' in the first paragraph of the example.

Solution Proposed by the Submitter:

Correct the spelling:

In §18.3.1.25:

showAutoFilter (Show AutoFitler Drop Down Controls)

In §18.3.2.2:

A custom AutoFilter specifies an operator and a value. There can be at most two customFilters specified, and in that case the parent element specifies whether the two conditions are joined by 'and' or 'or'. For any cells whose values do not meet the specified criteria, the corresponding rows shall be hidden from view when the filter is applied.

In §18.10.1.46:

[*Example:* In the following SpreadsheetML example, the first field is "Customer Name" and the first item referenced here is <item x="66"/> which references the value "Adam L Flores" in the pivotCacheDefinition. Therefore if you added "Customer Name" to the row axis, "Adam L Flores" would be the first row item listed.

Schema Change(s) Needed: No

Editor's Response:

[Agreed.](#)

113. DR 09-0098 — SML: Duplicate mathematical expressions in function definitions

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

Subject: Duplicate mathematical expressions in function definitions

Qualifier: Editorial defect

Submitter: Mr. Francis Cave (BSI)

Contact Information: francis@franciscave.com

Submitter's Defect Number: GB-22

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §18.17.7.49 (pp. 2360), §18.17.7.89 (pp. 2410), §18.17.7.126 (pp. 2442), §18.17.7.170 (pp. 2482), §18.17.7.195 (pp. 2500), §18.17.7.247 (pp. 2557), §18.17.7.283 (pp. 2593), §18.17.7.292 (pp. 2600), §18.17.7.294 (pp. 2602), [§18.17.7.303 \(pp. 2609\)](#)

Related DR(s): none

Nature of the Defect:

A number of mathematical expressions appear to have been duplicated as a result of some automated replacement process during preparation of the final text.

Solution Proposed by the Submitter:

Remove duplicate expressions:

In §18.17.7.49:

- \bar{y} -bar = the sample mean AVERAGE(*array-2*)

In §18.17.7.89, §18.17.7.292:

- \bar{x} -bar = the mean of the elements in *argument-list*

In §18.17.7.126 (NOTE – styling of productions ‘known-xs’ and ‘known-ys’ probably also wrong in this case – see blue underlined text), §18.17.7.170, §18.17.7.195, §18.17.7.283, §18.17.7.294, [§18.17.7.303](#):

- x = a sample value
- \bar{x} is the sample mean AVERAGE (*known-xs*)
- y = a sample value
- \bar{y} -bar is the sample mean AVERAGE (*known-ys*)

In §18.17.7.247:

- x = a sample value
- \bar{x} = the sample mean AVERAGE (*array-1*)
- y = a sample value
- \bar{y} -bar = the sample mean AVERAGE (*array-2*)

Schema Change(s) Needed: No

Editor’s Response:

Agreed, and, yes, the style of those two productions is incorrect and will be fixed. I found one other occurrence, in §18.17.7.303 (pp. 2609), and that will be fixed as well.

114. DR 09-0099 — SML: No Normative References or Definitions for “MDX” and “OLAP”

Status: Open

Subject: No Normative References or Definitions for “MDX” and “OLAP”

Qualifier: Editorial defect

Submitter: Mr. Francis Cave (BSI)

Contact Information: francis@franciscave.com

Submitter’s Defect Number: GB-23

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §12.3.10 (pps. 81, 83), §18.9 (pps. 1993–2010), §18.10.1.10 (pps. 2030, 2031), §18.10.1.11 (pp. 2032), §18.10.1.73 (pp. 2139, 2140), §18.10.1.75 (pp. 2148), §18.10.1.88 (pp. 2162, 2163), §18.13.5 (pp. 2228), §18.17.7.66 (pp. 2385), §18.17.7.67 (pp. 2386), §18.17.7.71 (pp. 2390), §18.18.44 (pp. 2698), §18.18.45 (pp. 2699), §18.18.46 (pp.2700), §22.7.2.2 (pp. 4313), §22.9.2.19 (pp. 4336, 4337), and many locations in §M (Primer).

Related DR(s): none

Nature of the Defect:

There are no Normative References or Definitions for “OLAP” or “MDX”, which are cited in several places in §18.9 and elsewhere. There is a Note buried in §18.17.7.66 (and in several places thereafter), that says that “MDX is a standard query language for OLAP cubes.” (NOTE – inconsistent spelling of “MDX”, which is sometimes spelt “mdx”, especially in the Primer from §M.2.8.1 onwards.)

Solution Proposed by the Submitter:

Add Normative References and/or Definitions as appropriate, and, if necessary, make the corresponding specifications available. Correct spelling inconsistencies.

Schema Change(s) Needed: No

Editor's Response:

[Work in progress.](#)

115. DR 09-0100 — Part 1: Unnecessary annex

Status: Closed; will be incorporated in COR1.

Subject: Part 1: Unnecessary annex

Qualifier: Editorial defect

Submitter: Editor

Contact Information: rex@RexJaeschke.com

Submitter's Defect Number: none

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §E, "Processing Bitfields with XSLT", pp. 4937–4939

Related DR(s): none

Nature of the Defect:

As a result of the BRM, in strict conformance mode all elements using bitfields had those changed to named attributes. As a result, Annex E is no longer necessary and should be removed.

Solution Proposed by the Submitter:

Remove Annex E.

Schema Change(s) Needed: No

Editor's Response:

Agreed

116. DR 09-0101 — WML, Fields: Grammar Production letter

Status: Closed; will be incorporated in COR1.

Subject: WML, Fields: Grammar Production letter

Qualifier: Editorial defect

Submitter: Editor

Contact Information: rex@RexJaeschke.com

Submitter's Defect Number: none

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §17.16.1, "Syntax", pp. 1304.

Related DR(s): none

Nature of the Defect:

The definition of the production letter is, as follows:

```
letter=  
"a"|"b"|"c"|"d"|"e"|"f"|"g"|"h"|"i"|"j"|"k"|"l"|"m" |  
"n"|"o"|"p"|"q"|"r"|"s"|"t"|"u"|"v"|"w"|"x"|"y"|"z" |  
"a"|"b"|"c"|"d"|"e"|"f"|"g"|"h"|"i"|"j"|"k"|"l"|"m" |  
"n"|"o"|"p"|"q"|"r"|"s"|"t"|"u"|"v"|"w"|"x"|"y"|"z" ;
```

In DIS 29500, as considered by the BRM, the equivalent of letter was described in narrative, where both upper- and lowercase letters were permitted. As a result of the BRM, the editor was directed to express the complete field grammar using the notation defined by ISO/IEC 14977. What resulted was a duplicate set of 26 lowercase letters, when one of the sets should have been uppercase.

Solution Proposed by the Submitter:

Correct the definition of the production letter, as follows:

```
letter=  
"a"|"b"|"c"|"d"|"e"|"f"|"g"|"h"|"i"|"j"|"k"|"l"|"m" |  
"n"|"o"|"p"|"q"|"r"|"s"|"t"|"u"|"v"|"w"|"x"|"y"|"z" |  
"a"|"b"|"c"|"d"|"e"|"f"|"g"|"h"|"i"|"j"|"k"|"l"|"m" |  
"A"|"B"|"C"|"D"|"E"|"F"|"G"|"H"|"I"|"J"|"K"|"L"|"M" |  
"n"|"o"|"p"|"q"|"r"|"s"|"t"|"u"|"v"|"w"|"x"|"y"|"z" ;  
"N"|"O"|"P"|"Q"|"R"|"S"|"T"|"U"|"V"|"W"|"X"|"Y"|"Z" ;
```

Schema Change(s) Needed: No

Editor's Response:

Agreed

117. DR 09-0102 — SML, Formulas: Grammar Production letter

Status: Closed; will be incorporated in COR1.

Subject: SML, Formulas: Grammar Production letter

Qualifier: Editorial defect

Submitter: Editor

Contact Information: rex@RexJaeschke.com

Submitter's Defect Number: none

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §18.17.2.3.1, "A1-Style Cell References", pp. 2285.

Related DR(s): none

Nature of the Defect:

The definition of the production letter is, as follows:

```
letter=  
"a"|"b"|"c"|"d"|"e"|"f"|"g"|"h"|"i"|"j"|"k"|"l"|"m" |  
"n"|"o"|"p"|"q"|"r"|"s"|"t"|"u"|"v"|"w"|"x"|"y"|"z" |  
"a"|"b"|"c"|"d"|"e"|"f"|"g"|"h"|"i"|"j"|"k"|"l"|"m" |  
"n"|"o"|"p"|"q"|"r"|"s"|"t"|"u"|"v"|"w"|"x"|"y"|"z" ;
```

In DIS 29500, as considered by the BRM, the equivalent of letter was described in narrative, where both upper- and lowercase letters were permitted. As a result of the BRM, the editor was directed to express the complete formulas grammar using the notation defined by ISO/IEC 14977. What resulted was a duplicate set of 26 lowercase letters, when one of the sets should have been uppercase.

Solution Proposed by the Submitter:

Correct the definition of the production letter, as follows:

```
letter=  
"a"|"b"|"c"|"d"|"e"|"f"|"g"|"h"|"i"|"j"|"k"|"l"|"m" |  
"n"|"o"|"p"|"q"|"r"|"s"|"t"|"u"|"v"|"w"|"x"|"y"|"z" |  
"a"|"b"|"c"|"d"|"e"|"f"|"g"|"h"|"i"|"j"|"k"|"l"|"m" |  
"A"|"B"|"C"|"D"|"E"|"F"|"G"|"H"|"I"|"J"|"K"|"L"|"M" |  
"n"|"o"|"p"|"q"|"r"|"s"|"t"|"u"|"v"|"w"|"x"|"y"|"z" ;  
"N"|"O"|"P"|"Q"|"R"|"S"|"T"|"U"|"V"|"W"|"X"|"Y"|"Z" ;
```

Schema Change(s) Needed: No

Editor's Response:

Agreed

118. DR 09-0103 — WML: Error in wml schema

Status: Open

Subject: WNL: Error in wml schema

Qualifier: Technical defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-034

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): wml.xsd

Related DR(s): none

Nature of the Defect:

Error in wml.xsd schema - ST_DecimalNumberOrPercent is missing ST_DecimalNumber from its definition (only allows ST_Percentage)

Solution Proposed by the Submitter:

Correct schema so ST_DecimalNumberOrPercent is a union of ST_DecimalNumber and ST_Percentage

Schema Change(s) Needed: wml.xsd

Editor's Response:

119. DR 09-0104 — DML: Contradiction between text and dml-wordProcessingDrawing schema

Status: Open

Subject: DML: Contradiction between text and schema

Qualifier: Technical defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-035

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §20.4.2.3, dml-wordProcessingDrawing.xsd

Related DR(s): none

Nature of the Defect:

behindDoc, locked, allowOverlap and layoutInCell attributes on CT_Anchor are implicitly optional from the text of §20.4.2.3, but are required by the schema.

Solution Proposed by the Submitter:

Alter schema to make these attributes on CT_Anchor optional

Schema Change(s) Needed: dml-wordProcessingDrawing.xsd

Editor's Response:

120. DR 09-0105 — WML: Errors in examples

Status: Open

Subject: WML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-036

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1 §17.16.21 ([pp. 1422](#)), §17.16.27, §17.16.28, §17.16.31, §17.18.25, §17.18.26, §17.18.27, §17.16.14, §17.16.17

Related DR(s): none

Nature of the Defect:

Element w:ffData is used in examples directly inside w:fldSimple, which is not valid.

Solution Proposed by the Submitter:

This could be resolved by adding a w:r inside the w:fldSimple to wrap the w:ffData, or by altering the schema to allow w:ffData directly inside the w:fldSimple.

Schema Change(s) Needed: No

Editor's Response:

121. DR 09-0106 — PML: Errors in examples

Status: Open

Subject: PML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-037

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §19.5.44, §19.5.88

Related DR(s): none

Nature of the Defect:

from and to attributes take values for x and y defined by ST_Percentage for a starting co-ordinate - which is inconsistent with the values in the examples, and seems unusual for a co-ordinate.

Solution Proposed by the Submitter:

Make example, text and schema consistent for these sections - either by switching type of "from" and "to" to another type, or by changing the example to use percentages

Schema Change(s) Needed:

Editor's Response:

[I agree that ST_Percentage seems to be an unusual type for a co-ordinate. If the type is incorrect, clearly, this is not an editorial defect.](#)

122. DR 09-0107 — WML: Errors in examples

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

Subject: WML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-038

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1 §17.3.1.15 (pp. 237), §17.3.1.33 (pp. 261), §17.3.1.33 (pps. 263, 265), §17.3.1.43 (pp. 277), §17.3.1.44 (pp. 279), §17.3.1.45 (pp. 280), §17.3.2 .10 (pps. 294 (twice), 295 (twice), 297), §17.3.2 .34 (pp. 331), §17.9.5 (pp. 781), §17.9.12 (pp. 797), §17.14.13 (pp. 1062) , §17.14.14 (pp. 1062) , §17.15.1.76 (pp. 1192) , §17.15.2.33 (pp. 1269 (twice)) , §17.15.2.38 (pp. 1276) , §17.18.8 (pp. 1514)

Related DR(s): none

Nature of the Defect:

Errors in examples: 'on' or 'off' is not a valid value for Boolean for examples in the specified sections.

Solution Proposed by the Submitter:

Change the examples to use 'true' or 'false' in place of 'on' or 'off'

Schema Change(s) Needed:

Editor's Response:

[Agreed.](#)

123. DR 09-0108 — WML: Errors in examples

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

Subject: WML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-039

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1 [§11.3.11 \(pp. 55\)](#), [§17.3.1.13 \(pp. 231\)](#), [§17.3.1.37 \(pps. 269, 270 twice\)](#), [§17.3.1.38 \(pp. 271 twice\)](#), ~~§17.3.1.39~~, [§17.3.3.23 \(pp. 371 twice\)](#), ~~§17.3.3.24~~, [§17.3.3.32 \(pp. 383 twice\)](#), [§17.4.27 \(pp. 441\)](#), [§17.4.28 \(pp. 442\)](#), [§17.4.29 \(pp. 443\)](#), [§17.4.32 \(pp. 446\)](#), [§17.4.51 \(pp. 469 twice\)](#), ~~§17.4.52~~, [§17.9 \(pp. 773\)](#), [§17.9.1 \(pp. 774, 775\)](#), [§17.9.5 \(pp. 780\)](#), [§17.9.6 \(pp. 782, 783\)](#), [§17.9.8 \(pp. 788\)](#), [§17.9.10 \(pp. 790 twice, 791 twice\)](#), [§17.9.11 \(pp. 793 twice\)](#), [§17.9.12 \(pp. 802\)](#), ~~§17.9.12~~, ~~§17.9.12~~, ~~§17.3.1.14~~, [§17.9.18 \(pp. 804\)](#), [§17.18.84 \(pp. 1651\)](#), [§M.1.10.3 \(pp. 5116\)](#), [§M.1.10.4 \(pp. 5118\)](#), [§M.1.10.6 \(pp. 5122\)](#), [§M.1.10.8 \(pp. 5125, 5126\)](#)

Related DR(s): none

Nature of the Defect:

Errors in examples: specified examples use values "left" and "right" in the w:val attribute for w:tab or w:jc or w:lvJc which are not valid - should be replaced with bi-directional aware values

Solution Proposed by the Submitter:

Change "left" to "start" in the specified examples, and "right" to "end"

Schema Change(s) Needed:

Editor's Response:

[Agreed. \(I located some other instances, and added those to the list above.\)](#)

124. DR 09-0109 — WML: Errors in examples

Status: Open

Subject: WML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-040

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §17.15.1.7, §17.15.1.8, §17.15.1.17, §17.15.1.17, §17.15.1.18

Related DR(s): none

Nature of the Defect:

Errors in examples: specified examples use value 8212 for w:sep attribute on w:caption element

Solution Proposed by the Submitter:

Change "8212" to "colon" in the specified examples

Schema Change(s) Needed:

Editor's Response:

125. DR 09-0110 — WML: Errors in examples

Status: Open

Subject: WML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-041

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §17.3.1.40

Related DR(s): none

Nature of the Defect:

Error in examples: `<w:textboxTightWrap w:val="all" />` is using invalid value "all" - should be "allLines"

Solution Proposed by the Submitter:

Change "all" to "allLines" in the specified examples

Schema Change(s) Needed:

Editor's Response:

126. DR 09-0111 — WML: Errors in examples

Status: Open

Subject: WML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-042

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §17.3.1.41, §17.3.1.41, §17.4.73, §17.6.20, §17.6.20

Related DR(s): none

Nature of the Defect:

Error in examples: `<w:sectPr>... <w:textDirection w:val="btLr" /></w:sectPr>` is using invalid value `btLr` - should be `"lR"` - also `w:textFlow` used rather than correct `w:textDirection` in first example, and `tbRl` used in place of `rl`.

Solution Proposed by the Submitter:

Change `"btLr"` to `"lR"`, also change `"w:textDirection"` not `"w:textFlow"` where necessary in example

Schema Change(s) Needed:

Editor's Response:

127. DR 09-0112 — WML: Errors in examples

Status: Open

Subject: WML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-043

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §17.15.1.44, §17.15.1.46

Related DR(s): none

Nature of the Defect:

Errors in examples: examples reference "dontUseMarginsForDrawingGridOrigin" rather than "doNotUseMarginsForDrawingGridOrigin"

Solution Proposed by the Submitter:

Change "dontUseMarginsForDrawingGridOrigin" to "doNotUseMarginsForDrawingGridOrigin" in example

Schema Change(s) Needed:

Editor's Response:

128. DR 09-0113 — WML: Errors in examples

Status: Open

Subject: WML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-044

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §17.15.1.93

Related DR(s): none

Nature of the Defect:

Errors in examples: examples use invalid attribute w:hash on w:writeProtection

Solution Proposed by the Submitter:

Change "w:hash" to "w:hashValue" in example

Schema Change(s) Needed:

Editor's Response:

129. DR 09-0114 — WML: Errors in examples

Status: Open

Subject: WML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-045

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §17.3.3.18

Related DR(s): none

Nature of the Defect:

Errors in examples: example uses invalid element nonBreakHyphen

Solution Proposed by the Submitter:

Change "nonBreakHyphen" to "noBreakHyphen" in example

Schema Change(s) Needed:

Editor's Response:

130. DR 09-0115 — WML: Errors in examples

Status: Open

Subject: WML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-046

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §17.4.22, §17.4.85, §17.18.57, §M.1.5.9

Related DR(s): none

Nature of the Defect:

Errors in examples: examples use invalid elements hmerge and vmerge

Solution Proposed by the Submitter:

Change "hmerge" to "hMerge", and "vmerge" to "vMerge" in example

Schema Change(s) Needed:

Editor's Response:

131. DR 09-0116 — WML: Errors in examples

Status: Open

Subject: WML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-047

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §17.14.23

Related DR(s): none

Nature of the Defect:

Errors in examples: ordering of fieldMapData content elements doesn't match schema

Solution Proposed by the Submitter:

Move "name" and "mappedName" to before "column" in example

Schema Change(s) Needed:

Editor's Response:

132. DR 09-0117 — WML: Errors in examples

Status: Open

Subject: WML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-048

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §17.15.1.1

Related DR(s): none

Nature of the Defect:

Errors in examples: initial example of activeWritingStyle should include required attribute w:appName

Solution Proposed by the Submitter:

Add attribute w:appName with value "testApp" to initial example

Schema Change(s) Needed:

Editor's Response:

133. DR 09-0118 — PML: Errors in examples

Status: Open

Subject: PML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-049

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §19.5.69, §19.5.76, §19.5.68

Related DR(s): none

Nature of the Defect:

Errors in examples: attribute r:link appears in examples for r:snd element, which is not valid

Solution Proposed by the Submitter:

Remove r:link attribute from these examples

Schema Change(s) Needed:

Editor's Response:

134. DR 09-0119 — WML: Errors in examples

Status: Open

Subject: WML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-050

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §17.3.1.39

Related DR(s): none

Nature of the Defect:

Errors in examples: attribute textAlignment has value baseLine, which is not valid

Solution Proposed by the Submitter:

Change value "baseLine" to "baseline" in these examples

Schema Change(s) Needed:

Editor's Response:

135. DR 09-0120 — PML: Errors in examples

Status: Open

Subject: PML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-051

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §19.5.79, §19.5.80

Related DR(s): none

Nature of the Defect:

Errors in examples: attribute tm of p:tav has value 0, which is not valid. Text does not make it clear whether tm 0 is a reasonable value or not

Solution Proposed by the Submitter:

Change value "0" to value "1" in these examples - or change schema definition of ST_TLTimeAnimateValueTime to allow 0 as a value

Schema Change(s) Needed:

Editor's Response:

136. DR 09-0121 — WML: Errors in examples

Status: Open

Subject: WML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-052

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §17.7.4, §17.7.4.17, §17.7.8, §17.7.9, §M.1.8.2, §M.1.8.3, §M.1.8.4, §M.1.8.5, §M.1.8.11

Related DR(s): none

Nature of the Defect:

Errors in examples: invalid element name qformat is used

Solution Proposed by the Submitter:

Change "qformat" to "qFormat" in these examples

Schema Change(s) Needed:

Editor's Response:

137. DR 09-0122 — WML: Errors in examples

Status: Open

Subject: WML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-053

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §17.4.39, §17.4.47, §17.4.60, §17.4.69, §17.4.66, §17.7.6, §17.7.6.8

Related DR(s): none

Nature of the Defect:

Errors in examples: within w:tblBorders, elements w:left and w:right have been renamed to w:start and w:end, but examples are still using the former

Solution Proposed by the Submitter:

Change "w:left" to "w:start" and "w:right" to "w:end" in these examples

Schema Change(s) Needed:

Editor's Response:

138. DR 09-0123 — WML: Errors in examples

Status: Open

Subject: WML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-054

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §17.7.8.1, §17.9.6, §17.9.11, §17.9.11, §17.9.18, §17.9.23, §17.9.24, §17.3.1.12, §17.3.1.27,

Related DR(s): none

Nature of the Defect:

Errors in examples: within w:ind, attributes w:left and w:right have been renamed to w:start and w:end, but examples are still using the former

Solution Proposed by the Submitter:

Change "w:left" to "w:start", and "w:right" to "w:end" in these examples

Schema Change(s) Needed:

Editor's Response:

139. DR 09-0124 — SML: Errors in examples

Status: Open

Subject: SML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-055

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1, §12.3.7, §12.3.9, §12.3.23,

Related DR(s): none

Nature of the Defect:

Error in examples: within s:sheet, attribute tabId is invalid

Solution Proposed by the Submitter:

Change "tabId" to "sheetId" in these examples

Schema Change(s) Needed:

Editor's Response:

140. DR 09-0125 — WML: Errors in examples

Status: Open

Subject: WML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-056

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1 §17.3.2.26

Related DR(s): none

Nature of the Defect:

Error in examples: within w:rFonts, attribute csTheme is invalid

Solution Proposed by the Submitter:

Change "csTheme" to "cstheme" in these examples

Schema Change(s) Needed:

Editor's Response:

141. DR 09-0126 — WML: Errors in examples

Status: Open

Subject: WML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-057

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1 §17.7.5.1

Related DR(s): none

Nature of the Defect:

Error in examples: w:rPrDefault is after w:pPrDefault inside w:docDefaults in the example, which is invalid

Solution Proposed by the Submitter:

Swap order of w:rPrDefault and w:pPrDefault in this example

Schema Change(s) Needed:

Editor's Response:

142. DR 09-0127 — WML: Errors in examples

Status: Open

Subject: WML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-058

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1 §17.11.4

Related DR(s): none

Nature of the Defect:

Error in examples: w:pos is after w:numFormat inside w:endnotePr in the example, which is invalid

Solution Proposed by the Submitter:

Swap order of w:pos and w:numFormat in this example

Schema Change(s) Needed:

Editor's Response:

143. DR 09-0128 — WML: Errors in examples

Status: Open

Subject: WML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-059

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1 §17.12.9, §17.12.12, §17.18.16

Related DR(s): none

Nature of the Defect:

Error in examples: w:name is after w:gallery inside w:category in the example, which is invalid

Solution Proposed by the Submitter:

Swap order of w:name and w:gallery in this example

Schema Change(s) Needed:

Editor's Response:

144. DR 09-0129 — WML: Errors in examples

Status: Open

Subject: WML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-060

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1 §17.13.4.2

Related DR(s): none

Nature of the Defect:

Error in examples: within w:comment, attribute w:name is used, which is invalid

Solution Proposed by the Submitter:

Change attribute w:name to w:author in this example

Schema Change(s) Needed:

Editor's Response:

145. DR 09-0130 — WML: Errors in examples

Status: Open

Subject: WML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-061

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1 §17.15.2.17

Related DR(s): none

Nature of the Defect:

Error in examples: within w:frame, w:frameLayout is used, which is invalid

Solution Proposed by the Submitter:

Change element w:frame to w:frameset in this example

Schema Change(s) Needed:

Editor's Response:

146. DR 09-0131 — PML: Errors in examples

Status: Open

Subject: PML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-062

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1 §19.5.90

Related DR(s): none

Nature of the Defect:

Error in examples: within p:animClr, clrSpc attribute is used with invalid value "rgsb"

Solution Proposed by the Submitter:

Change value "rgsb" to "rgb" in this example

Schema Change(s) Needed:

Editor's Response:

147. DR 09-0132 — WML: Errors in examples

Status: Open

Subject: WML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-063

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1 §17.3.2.22, §17.3.2.26, §17.18.41

Related DR(s): none

Nature of the Defect:

Error in examples: w:rPr appears directly within an w:pPr, which is invalid

Solution Proposed by the Submitter:

Change w:pPr to an w:r in these examples

Schema Change(s) Needed:

Editor's Response:

148. DR 09-0133 — WML: Errors in examples

Status: Open

Subject: WML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-064

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1 §17.6.1.11, §17.15.1.11, §17.15.1.13, §17.15.1.64

Related DR(s): none

Nature of the Defect:

Error in examples: w:pgMar element is missing required attributes w:gutter and w:footer

Solution Proposed by the Submitter:

Add required attributes gutter and footer to this example

Schema Change(s) Needed:

Editor's Response:

149. DR 09-0134 — WML: Errors in examples

Status: Open

Subject: WML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-065

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1 §17.16.18, §17.16.18

Related DR(s): none

Nature of the Defect:

Error in examples: w:fldChar element has attribute w:fldCharType with value "start", which is invalid.

Solution Proposed by the Submitter:

Change "start" to "begin" in these examples

Schema Change(s) Needed:

Editor's Response:

150. DR 09-0135 — SML: Errors in examples

Status: Open

Subject: SML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-066

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1 §18.2.20, §18.2.28

Related DR(s): none

Nature of the Defect:

Error in examples: sheet element has attribute "type", which is invalid

Solution Proposed by the Submitter:

Remove invalid attribute "type"

Schema Change(s) Needed:

Editor's Response:

151. DR 09-0136 — WML: Errors in examples

Status: Open

Subject: WML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-067

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1 §17.15.1.77

Related DR(s): none

Nature of the Defect:

Error in examples: w:customXml has attribute w:namespaceuri, which is invalid

Solution Proposed by the Submitter:

Change "w:namespaceuri" to "w:namespaceUri"

Schema Change(s) Needed:

Editor's Response:

152. DR 09-0137 — WML: Errors in examples

Status: Open

Subject: WML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-068

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1 §17.11.6

Related DR(s): none

Nature of the Defect:

Error in examples: example contains invalid element w:endfootnoteref

Solution Proposed by the Submitter:

Change "w:endfootnoteref" to "w:endNoteRef"

Schema Change(s) Needed:

Editor's Response:

153. DR 09-0138 — WML: Errors in examples

Status: Open

Subject: WML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-069

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1 §11.3.11

Related DR(s): none

Nature of the Defect:

Error in examples: example contains w:tab element with w:val attribute with invalid value "list"

Solution Proposed by the Submitter:

Change "list" to "num"

Schema Change(s) Needed:

Editor's Response:

154. DR 09-0139 — WML: Errors in examples

Status: Open

Subject: WML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-070

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1 §17.4.65

Related DR(s): none

Nature of the Defect:

Error in examples: example contains w:tblW element with w:type attribute with invalid value "fixed"

Solution Proposed by the Submitter:

Change value "fixed" to one of the allowed values for this attribute

Schema Change(s) Needed:

Editor's Response:

155. DR 09-0140 — PML: Errors in examples

Status: Open

Subject: PML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-071

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1 §19.5.9

Related DR(s): none

Nature of the Defect:

Error in examples: example contains p:cMediaNode element with vol attribute with invalid value "11000"

Solution Proposed by the Submitter:

Change value "11000" to a percentage - e.g., "50%"

Schema Change(s) Needed:

Editor's Response:

156. DR 09-0141 — PML: Errors in examples

Status: Open

Subject: PML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-072

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1 §19.5.62

Related DR(s): none

Nature of the Defect:

Error in examples: example contains p:rCtr element with x and y attributes with invalid values
x="457200" y="274638"

Solution Proposed by the Submitter:

Change x and y values to percentages

Schema Change(s) Needed:

Editor's Response:

157. DR 09-0142 — PML: Errors in examples

Status: Open

Subject: PML: Errors in examples

Qualifier: Editorial defect

Submitter: Inigo Surguy (BSI)

Contact Information: inigo.surguy@gmail.com

Submitter's Defect Number: GB-073

Supporting Document(s): none

Date Circulated by Secretariat: 2009-02-27

Deadline for Response from Editor: 2009-04-27

IS 29500 Reference(s): Part 1 §19.5.88

Related DR(s): none

Nature of the Defect:

Error in examples: example contains p:Ctn element with attribute decel with invalid value "100000"

Solution Proposed by the Submitter:

Change decel value to percentage

Schema Change(s) Needed:

Editor's Response:

158. DR 09-0143 — SML, Formulas: TIMEVALUE, return value and terminology

Status: Open

Subject: SML, Formulas: TIMEVALUE, return value and terminology

Qualifier: Editorial defect

Submitter: Mr. Francis Cave (BSI)

Contact Information: francis@franciscave.com

Submitter's Defect Number: GB-24

Supporting Document(s): none

Date Circulated by Secretariat: 2009-03-15

Deadline for Response from Editor: 2009-05-15

IS 29500 Reference(s): Part 1, §18.17.7.324 (pps. 2626, 2627)

Related DR(s): none

Nature of the Defect:

The term *serial value* is not currently defined and requires proper definition, being a decimal fraction of a 24-hour day (if that is what it is). The return value is incorrectly specified – it should define the value range as for the TIME function (§18.17.7.323).

Solution Proposed by the Submitter:

Revise the text describing the return value:

Return Type and Value: number – The serial value of the date and/or time represented by the string *date-time-string*, [as a value greater than or equal to 0 and less than or equal to 1](#).

Add a definition of *serial value* to §12.1.

Schema Change(s) Needed: No

Editor's Response:

159. DR 09-0144 — SML, Formulas: Various functions, iterative search technique

Status: Open

Subject: Reference to implementation-specific "iterative search technique" in normative text

Qualifier: Editorial defect

Submitter: Mr. Francis Cave (BSI)

Contact Information: francis@franciscave.com

Submitter's Defect Number: GB-25

Supporting Document(s): none

Date Circulated by Secretariat: 2009-03-15

Deadline for Response from Editor: 2009-05-15

IS 29500 Reference(s): Part 1, §18.17.7.28 (pp. 2333), §18.17.7.37 (pp. 2347), §18.17.7.121 (pp. 2438), §18.17.7.132 (pp. 2447), §18.17.7.173 (pp. 2487), §18.17.7.230 (pp. 2534), §18.17.7.232 (pp. 2535)

Related DR(s): none

Nature of the Defect:

Whether the function uses an "iterative search technique" or not is implementation-specific.

In §18.17.7.173, the return value specified in the same paragraph is inconsistent with the return value specified in identical circumstances for other functions. If a value is not available, for whatever reason, according to §18.17.3 the correct return value is #N/A, not #NUM, which signifies a value outside the value domain.

Solution Proposed by the Submitter:

Revise text as follows:

In §18.17.7.28:

Description: Computes the inverse of the cumulative distribution function for a specified beta distribution. Given a value for *probability*, BETAINV is used to seek for the value x such that $\text{BETADIST}(x, \alpha, \beta, A, B) = \text{probability}$. Thus, precision of BETAINV depends on precision of BETADIST. ~~BETAINV uses an iterative search technique.~~

In §18.17.7.37, §18.17.7.121, §18.17.7.132, §18.17.7.230, §18.17.7.232:

- ~~An implementation uses an iterative search technique, and the search has not converged after some implementation-defined number of iterations~~The implementation determines that a return value cannot be computed, #N/A is returned

In §18.17.7.173:

However, if ~~an implementation uses an iterative search technique, and the calculation has not converged after an implementation-defined number of iterations~~the implementation determines that a return value cannot be computed, ~~#NUM!~~#N/A is returned.

Schema Change(s) Needed: No

Editor's Response:

160. DR 09-0145 — SML, Formulas: Various functions, duplicate mathematical expressions

Status: Open

Subject: SML, Formulas: Various functions, duplicate mathematical expressions

Qualifier: Editorial defect

Submitter: Mr. Francis Cave (BSI)

Contact Information: francis@franciscave.com

Submitter's Defect Number: GB-26

Supporting Document(s): none

Date Circulated by Secretariat: 2009-03-15

Deadline for Response from Editor: 2009-05-15

IS 29500 Reference(s): Part 1, §18.17.7.63 (pp. 2382), §18.17.7.299 (pp. 2605), §18.17.7.300 (pp. 2606), §18.17.7.301 (pp. 2607), §18.17.7.302 (pp. 2608), §18.17.7.338 (pp. 2636), §18.17.7.339 (pp. 2637), §18.17.7.340 (pp. 2638), §18.17.7.341 (pp. 2639), §18.17.7.356 (pp. 2663)

Related DR(s): none

Nature of the Defect:

A number of mathematical expressions appear to have been duplicated as a result of some automated replacement process during preparation of the final text.

Solution Proposed by the Submitter:

In §18.17.7.63:

- \bar{x} = the sample mean `AVERAGE(array-1)`

In §18.17.7.299, §18.17.7.300, §18.17.7.301, §18.17.7.302, §18.17.7.338, §18.17.7.339, §18.17.7.340, §18.17.7.341:

- \bar{x} = the sample mean AVERAGE(*argument-1*, *argument-1*, ..., *argument-n*)

In §18.17.7.356:

- \bar{x} = the sample mean AVERAGE(*array*)

Schema Change(s) Needed: No

Editor's Response:

161. DR 09-0146 — SML, Formulas: MATCH, inconsistent use of return value #NUM!

Status: Open

Subject: SML, Formulas: MATCH, inconsistent use of return value #NUM!

Qualifier: Technical defect

Submitter: Mr. Francis Cave (BSI)

Contact Information: francis@franciscave.com

Submitter's Defect Number: GB-

Supporting Document(s): none

Date Circulated by Secretariat: 2009-03-15

Deadline for Response from Editor: 2009-05-15

IS 29500 Reference(s): Part 1, §18.17.7.204 (pp. 2510)

Related DR(s): none

Nature of the Defect:

In §18.17.3 it is clearly stated that the return value #NUM! is to be used when the return value is out of domain/range, whereas the return value #N/A is to be used if a return value is not available. This rule is not consistently applied, as in the case of the MATCH function, in which case the return value when no match is found should logically be #N/A.

Solution Proposed by the Submitter:

In §18.17.7.204:

- No match is found, #NUM!#N/A is returned.

Schema Change(s) Needed: No

Editor's Response:

162. DR 09-0147 — Shared MLS: incorrect attribute value format

Status: Open

Subject: Shared MLS: incorrect attribute value format

Qualifier: Editorial defect

Submitter: Mr. Francis Cave (BSI)

Contact Information: francis@franciscave.com

Submitter's Defect Number: GB-28

Supporting Document(s): none

Date Circulated by Secretariat: 2009-03-15

Deadline for Response from Editor: 2009-05-15

IS 29500 Reference(s): Part 1, §22.5.2.2 (pp. 4262)

Related DR(s): none

Nature of the Defect:

The formatting of two attribute values in the bulleted list in the example contained in the description of the 'uri' attribute is inconsistent.

Solution Proposed by the Submitter:

Revise as follows:

The uri attribute specifies the target namespace of each XML schema reference:

- <http://www.example.com/schema1>
- <http://www.example.com/schema2>

Schema Change(s) Needed: No

Editor's Response:

163. DR 09-0148 — Shared MLS: Inter-word space missing

Status: Open

Subject: Shared MLS: Inter-word space missing

Qualifier: Editorial defect

Submitter: Mr. Francis Cave (BSI)

Contact Information: francis@franciscave.com

Submitter's Defect Number: GB-29

Supporting Document(s): none

Date Circulated by Secretariat: 2009-03-15

Deadline for Response from Editor: 2009-05-15

IS 29500 Reference(s): Part 1, §22.1.2.3 (pp. 4074), §22.1.2.18 (pp. 4094), §22.1.2.105 (pp. 4202)

Related DR(s): none

Nature of the Defect:

Inter-word space character missing.

Solution Proposed by the Submitter:

Insert space where required (NOTE - space underlined in blue):

In §22.1.2.3:

This element specifies the alignment property on the box object. It is utilized only when the box is designated as an operator emulator. When 1 or true, this operator emulator serves as an alignment point; that is, designated alignment points in other equations can be aligned with it.

In §22.1.2.18 (NOTE – incorrect style of attribute value also revised):

This element represents the (custom) column gap spacing information; the default value is θ (which corresponds to 1 em). This value is interpreted differently depending on the value of cGpRule (§xx). cGp is not used unless the value of cGpRule is 3 or 4. When cGpRule is omitted, the default spacing between matrix columns is 1 em (a val attribute value of θ).

In §22.1.2.105:

This element specifies the superscript object sSup, which consists of a base e and a reduced-size scr placed above and to the right, as in x^n . [Example: The XML that specifies this object is:

Schema Change(s) Needed: No

Editor's Response:

164. DR 09-0149 — Shared MLs: Bad page break in Parent Elements table

Status: Open

Subject: Shared MLs: Bad page break in Parent Elements table

Qualifier: Editorial defect

Submitter: Mr. Francis Cave (BSI)

Contact Information: francis@franciscave.com

Submitter's Defect Number: GB-30

Supporting Document(s): none

Date Circulated by Secretariat: 2009-03-15

Deadline for Response from Editor: 2009-05-15

IS 29500 Reference(s): Part 1, §22.1.2.5 (pp. 4078)

Related DR(s): none

Nature of the Defect:

Bad page break in Parent Elements table.

Solution Proposed by the Submitter:

Ensure that this table is not allowed to break across a page division at the next reprint/revision.

Schema Change(s) Needed: No

Editor's Response:

165. DR 09-0150 — Shared MLs: Attribute value in incorrect style

Status: Open

Subject: Shared MLs: Attribute value in incorrect style

Qualifier: Editorial defect

Submitter: Mr. Francis Cave (BSI)

Contact Information: francis@franciscave.com

Submitter's Defect Number: GB-31

Supporting Document(s): none

Date Circulated by Secretariat: 2009-03-15

Deadline for Response from Editor: 2009-05-15

IS 29500 Reference(s): Part 1, §22.1.2.19 (pp. 4095) and many others

Related DR(s): none

Nature of the Defect:

Attribute value in wrong font and/or in single quotation marks, which is inconsistent with the style used generally for presentation of attribute values.

Solution Proposed by the Submitter:

Replace '0' (8 occurrences in Part 1) and 'ø' (3 occurrences in Part 1) with 0.

Replace '1' (approx. 20 occurrences) with 1.

Schema Change(s) Needed: No

Editor's Response:

166. DR 09-0151 — Shared MLs: Incorrect abbreviation of ‘points’ to ‘pts.’

Status: Open

Subject: Shared MLs: Incorrect abbreviation of ‘points’ to ‘pts.’

Qualifier: Editorial defect

Submitter: Mr. Francis Cave (BSI)

Contact Information: francis@franciscave.com

Submitter’s Defect Number: GB-32

Supporting Document(s): none

Date Circulated by Secretariat: 2009-03-15

Deadline for Response from Editor: 2009-05-15

IS 29500 Reference(s): Part 1, §22.1.2.22 (pp. 4100)

Related DR(s): none

Nature of the Defect:

The abbreviation ‘pts.’ should not include a full stop, unless at the end of a sentence.

Solution Proposed by the Submitter:

Revise text as agreed in Response 555 to UK Fast Track comment GB-0533:

[Example: The following XML specifies that there should never be fewer than 6 pts- (120 twips) between adjacent column edges of the matrix:

Schema Change(s) Needed: No

Editor’s Response:

167. DR 09-0152 — Shared MLs: Unneeded blank in math formula

Status: Open

Subject: Shared MLs: Unneeded blank in math formula

Qualifier: Editorial defect

Submitter: Mr. Francis Cave (BSI)

Contact Information: francis@franciscave.com

Submitter's Defect Number: GB-33

Supporting Document(s): none

Date Circulated by Secretariat: 2009-03-15

Deadline for Response from Editor: 2009-05-15

IS 29500 Reference(s): Part 1, §22.1.2.32 (pp. 4114), §22.1.2.37 (pp. 4122), §22.1.2.39 (pp. 4122)

Related DR(s): none

Nature of the Defect:

Formula contains a blank element between $\lim_{n \rightarrow \infty}$ and x_n , which is the result of an incomplete deletion when preparing the final text.

Solution Proposed by the Submitter:

Change formula to remove blank element:

In §22.1.2.32, §22.1.2.37:

[Example: For example, the func $\lim_{n \rightarrow \infty} x_n$ has fName $\lim_{n \rightarrow \infty}$ and e x_n :

In §22.1.2.39:

As an example, the func $\lim_{n \rightarrow \infty} x_n$ has fName $\lim_{n \rightarrow \infty}$ and e x_n :

Schema Change(s) Needed: No

Editor's Response:

168. DR 09-0153 — Shared MLs: XML Ill-formed example of sepChr

Status: Open

Subject: Shared MLs: XML Ill-formed example of sepChr

Qualifier: Editorial defect

Submitter: Mr. Francis Cave (BSI)

Contact Information: francis@franciscave.com

Submitter's Defect Number: GB-074

Supporting Document(s): none

Date Circulated by Secretariat: 2009-03-15

Deadline for Response from Editor: 2009-05-15

IS 29500 Reference(s): Part 1, §22.1.2.95 (pp. 4193)

Related DR(s): none

Nature of the Defect:

In §22.1.2.95, the XML expression `<m:sepChr val=:/>` is not well-formed.

Solution Proposed by the Submitter:

Correct the XML in the example as follows:

[*Example:* Examples of `d`, each with a different `sepChr`, are: $(a_1|a_2)(a_1:a_2)(a_1;a_2)$. The following example describes a separator character if .

```
<m:dPr>  
  <m:sepChr val="&#0058;" />  
</m:dPr>
```

end example]

Schema Change(s) Needed: No

Editor's Response:

169. DR 09-0154 — Shared MLs: placeholders that should be visible in matrix are not

Status: Open

Subject: Shared MLs: placeholders that should be visible in matrix are not

Qualifier: Editorial defect

Submitter: Mr. Francis Cave (BSI)

Contact Information: francis@franciscave.com

Submitter's Defect Number: GB-075

Supporting Document(s): none

Date Circulated by Secretariat: 2009-03-15

Deadline for Response from Editor: 2009-05-15

IS 29500 Reference(s): Part 1, §22.1.2.83 (pp. 4181)

Related DR(s): none

Nature of the Defect:

The placeholders in the left-hand matrix are not visible in the final text. This may be because placeholders do not show visibly when printed to PDF.

Solution Proposed by the Submitter:

Correct the PDF for this example, so that the placeholders are visible in the left-hand matrix.

Schema Change(s) Needed: No

Editor's Response: