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Information technology — Document description and processing languages — Office Open XML File Formats —

Part 1:
Fundamentals and Markup Language Reference

TECHNICAL CORRIGENDUM 1

Technologies de l'information — Description des documents et langages de traitement — Formats de fichier "Office Open XML" —
Partie 1: Principes essentiels et référence de langage de balisage

RECTIFICATIF TECHNIQUE 1

Technical Corrigendum 1 to ISO/IEC 29500-1:2008 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 34, *Document description and processing languages*.

It contains corrections that resolve various Defect Reports submitted against ISO/IEC 29500-1:2008.

A correction can involve changes to one or more clauses or subclauses; it can even apply to multiple Parts of ISO/IEC 29500. For changes to ISO/IEC 29500-1:2008, each such change has its own entry below.

Changes are presented in ascending clause, subclause, and page number order.

ISO/IEC 29500-1:2008/Cor.1:2009(E)

Notational conventions

The title of each change is the complete reference to the clause or subclause being corrected. In all cases, the title begins with the clause or subclause number, the clause or subclause name, and the page number. In those cases containing changes to a particular row of a table, the value in that row's first column is appended to the title. As the lines in each XML schema subclause are numbered starting at 1 and going to the end of a schema, corrections to schemas also contain the numbers of the lines being corrected.

A change can contain any one or more of the following kinds of edits:

1. Addition of text: New text is displayed in blue and is underlined, as demonstrated here.
2. Deletion of text: ~~Deleted text is displayed in red and is struck-through, as demonstrated here.~~
3. Change of format of text: Text whose format (but not its content) has changed is displayed in green and is double-underlined, as demonstrated here.

Many changes involve edits to large paragraphs, tables, and/or XML fragments. In such cases, the changes contain only as much unchanged content as is necessary to establish the correct context of each change. Omitted content is identified via the use of ellipses (…).

Within a change, intent that cannot be represented visually as an edit is written as an instruction in italic and delimited by curly brackets; for example: *{In paragraph 2, item 4, and in paragraph 4, make the numbers in the text "17–23" hyperlinked forward references to Clauses 17 and 23.}*

Contents

Introduction (For WG4 use only; will be removed from the final COR)

This Technical Corrigendum contains corrections that resolve various Defect Reports submitted against ISO/IEC 29500-1:2008.

A correction can involve changes to one or more clause or subclauses; it can even apply to multiple Parts of ISO/IEC 29500. For changes to Part 1, each such change has its own entry below, and the number of the Defect Report that lead to any particular change is written immediately following that change's title, in the form "[DR *99-9999*]". (This information is for the use of committee ISO/IEC SC 34/WG4 only, and will be removed from the final COR. However, a committee-private version containing the DR numbers will be made available for tracking purposes.)

Changes are presented in ascending clause, subclause, and page number order.

Changes

1. §3, "Normative References", p. 8

[DR 09-0031]

ISO/IEC 10646~~:2003~~, *Information technology — Universal Multiple-Octet Coded Character Set (UCS)*.

2. §3, "Normative References", p. 10

[DR 09-0031]

The Unicode Consortium. *The Unicode Standard*, ~~Version 5.0, defined by: The Unicode Standard, Version xx5.0 (Reading, MA, Addison-Wesley, 2006. ISBN 0-321-48091-0) ,~~ http://www.unicode.org/unicode/standard.

3. §3, "Normative References", p. 10

[DR 09-0169]

~~XML, Tim Bray, Eve Maler, Jean Paoli, C. M. Sperberg-McQueen, John Cowan, and François Yergeau (editors). *Extensible Markup Language (XML) 1.1*, Third Edition. World Wide Web Consortium. 2004.http://www.w3.org/TR/2004/REC-xml11-20040204/~~XML, Tim Bray, Jean Paoli, Eve Maler, C. M. Sperberg-McQueen, Eve Maler, and François Yergeau (editors). *Extensible Markup Language (XML) 1.0*, Fourth Edition.[1] World Wide Web Consortium. 2006. http://www.w3.org/TR/2006/REC-xml-20060816/

[1] In the future, this reference may be replaced by the 5th edition once that has received broad acceptance.

4. §3, "Normative References", p. 11

[DR 09-0170]

XML Namespaces, Bray, Tim, Dave Hollander, Andrew Layman, and Richard Tobin (editors). *Namespaces in XML 1.0~~1~~*. World Wide Web Consortium. 2006~~4~~. ~~http://www.w3.org/TR/2004/REC-xml-names11-20040204/~~ http://www.w3.org/TR/2006/REC-xml-names-20060816

5. §4, "Terms and Definitions", p. 12

[DR 09-0076]

[*Note*: This ~~p~~Part uses OPC-related terms, which are defined in ISO/IEC 29500-2. *end note*]

6. §4, "Terms and Definitions", p. 13

[DR 09-0267]

OLE – OLE in this context does not refer to any specific technology; instead, it refers to the generalized abstraction of embedding and linking objects within a document.

7. §5, "Notational Conventions", p. 14

[DR 09-0082]

The following typographical conventions are used in ISO/IEC 29500:

- The first occurrence of a new term is written in italics~~, as in "*normative*"~~. [*Example*: The text in ISO/IEC 29500 is divided into *normative* and *informative* categories. *end example*]
- In each definition of a term in §4 (Terms and Definitions), the term is written in bold~~, as in "**behavior**"~~. [*Example*: **behavior — External appearance or action.** *end example*]
- The tag name of an XML element is written using an Element style~~, as in "document"~~. [*Example*: The bookmarkStart and bookmarkEnd elements specify … *end example*]
- The name of an XML attribute is written using an Attribute style~~, as in "id"~~. [*Example*: The dropCap attribute specifies … *end example*]
- The value of an XML attribute is written using a constant-width style~~, as in "CommentReference"~~. [*Example*: The attribute value of `auto` specifies … *end example*]
- The qualified or unqualified name of a simple type, complex type, or base datatype is written using a Type style~~, as in "xsd:anyURI~~". [*Example*: The possible values for this attribute are defined by the ST_HexColor simple type. *end example*]

8. §7, "General Description", p. 16

[DR 09-0076]

{Numbered list item 4: The numbers in "clauses 17–23" are not actual hyperlinked forward references, and should be.}

9. §8.1, "Packages and Parts", p. 17

[DR 09-0076]

(Packages are discussed further in ISO/IEC 29500-2.)

10. §9.2, "Relationships in Office Open XML", p. 23

[DR 09-0076]

All other relationships are implicit. [Note: … end note].

11. §10.1.2, "Office Open XML Native Extensibility Constructs", p. 28

[DR 09-0076]

See the reference material in §17–23 …

12. §11.3.1, "Alternative Format Import Part", p. 32

[DR 09-0035]

Content Type:	One of the following formats: • Text = ~~application/~~text/plain • HTML = ~~application/~~text/html • WordprocessingML = application/vnd.openxmlformats-officedocument.wordprocessingml.document • XHTML = application/xhtml+xml

13. §11.3.11, "Numbering Definitions Part", p. 55

[DR 09-0108]

```
<w:lvl w:ilvl="0" w:tplc="151C4798">
  …
  <w:lvlJc w:val="startleft"/>
  …
</w:lvl>
```

14. §11.3.11, "Numbering Definitions Part", p. 55

[DR 09-0123]

```
<w:pPr>
  <w:tabs>
    <w:tab w:val="list" w:pos="720"/>
  </w:tabs>
  <w:ind w:startleft="720" w:hanging="360"/>
</w:pPr>
```

15. §11.3.11, "Numbering Definitions Part", p. 55

[DR 09-0138]

```
<w:pPr>
  <w:tabs>
    <w:tab w:val="numlist" w:pos="720"/>
  </w:tabs>
  <w:ind w:left="720" w:hanging="360"/>
</w:pPr>
```

16. §11.3.12, "Style Definitions Part", p. 55

[DR 09-0190]

```
<w:styles xmlns:wx="…" xmlns:w="…" … xml:space="preserve">
  …
</w:styles>
```

17. §11.3.12, "Style Definitions Part", p. 56

[DR 09-0123]

```
<w:pPr>
  <w:pStyle w:val="ListBullet"/>
  …
  <w:ind w:startleft="648"/>
</w:pPr>
```

18. §11.6, "Master Documents and Subdocuments", p. 59

[DR 09-0190]

```
<w:document xmlns:r="…" xmlns:wx="…" …>
  …
</w:document>
```

19. §12.3.7, "Dialogsheet Part", p. 76

[DR 09-0135]

```
<sheets>
  …
  <sheet name="Dialog1" tabId="4" type="dialog" r:id="rId2"/>
</sheets>
```

20. §12.3.7, "Dialogsheet Part", p. 76

[DR 09-0124]

```
<sheets>
  …
  <sheet name="Dialog1" tabsheetId="4" type="dialog" r:id="rId2"/>
</sheets>
```

21. §12.3.9, "External Workbook References Part", p. 79

[DR 09-0124]

```
<sheets>
  <sheet name="Sheet1" tabsheetId="1" r:id="rId1"/>
  <sheet name="Sheet2" tabsheetId="2" r:id="rId2"/>
  <sheet name="Sheet3" tabsheetId="3" r:id="rId3"/>
</sheets>
```

22. §12.3.10, “Metadata Part”, pp. 82–83

[DR 09-0087]

```
<pivotCacheDefinition … saveData="0" refreshedBy="…"
  refreshedDateIso="2005-11-28T16:55:44" backgroundQuery="1" createdVersion="3"
  refreshedVersion="3" recordCount="0">
  …
</pivotCacheDefinition>
```

23. §12.3.12, “Pivot Table Cache Definition Part”, p. 85

[DR 09-0087]

```
<pivotCacheDefinition … r:id="rId1" refreshedBy="John Jones"
  refreshedDateIso="2005-11-18T16:47:49" createdVersion="3"
  refreshedVersion="3" recordCount="11">
  …
</pivotCacheDefinition>
```

24. §12.3.20, “Styles Part”, p. 94

[DR 09-0025]

Root Namespace:	http://schemas.openxmlformats.org/spreadsheetml/2006/mains

25. §12.3.23, “Workbook Part”, p. 98

[DR 09-0124]

```
<sheets>
  <sheet name="January" tabsheetId="1" r:id="rId1"/>
  <sheet name="February" tabsheetId="2" r:id="rId2"/>
  <sheet name="March" tabsheetId="3" r:id="rId3"/>
</sheets>
```

26. §12.3.24, “Worksheet Part”, p. 101

[DR 09-0024]

A Worksheet part is permitted to have implicit relationships to the following parts defined by ISO/IEC 29500:

- Comments (§12.3.3)
- Pivot Table Definitions (§12.3.11)
- Printer Settings (§15.2.15)
- Query Table Part (§12.3.14)
- Single Cell Table Definitions (§12.3.19)
- Table Definition (§12.3.21)

27. §15.2.15, "Printer Settings Part", p. 162

[DR 09-0081]

[*Example*: … here: http://… *end example*]

28. §17.2.1, "background (Document Background)", p. 193, attribute color

[DR 09-0080]

Change "… *end example*]. RGB …" to "… *end example*]. RGB …"

29. §17.3.1.12, "ind (Paragraph Indentation)", p. 226

[DR 09-0123]

```
<w:pPr>
  <w:ind w:start~~left~~="1440" w:end~~right~~="1440" w:hanging="1080" />
</w:pPr>
```

30. §17.3.1.13, "jc (Paragraph Alignment)", p. 231

[DR 09-0108]

```
<w:pPr>
  <w:jc w:val="end~~right~~" />
</w:pPr>
```

31. §17.3.1.27, "pStyle (Referenced Paragraph Style)", p. 253

[DR 09-0123]

[*Example*: Consider the following WordprocessingML fragment:

```
<w:pPr>
  <w:pStyle w:val="TestParagraphStyle" />
  <w:ind w:start~~left~~="1440" />
</w:pPr>
```

This paragraph specifies that it inherits all of the paragraph properties specified by the paragraph style with a styleId of `TestParagraphStyle`, which then has any indentation properties overridden with a start~~left~~ indentation of `1440` twentieths of a point, and no indentation for any other value. *end example*]

32. §17.3.1.27, "pStyle (Referenced Paragraph Style)", p. 253, attribute val

[DR 09-0227]

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

33. §17.3.1.30, "rPr (Previous Run Properties for the Paragraph Mark)", p. 258

[DR 09-0090]

```
<w:lang w:val="en-CA~~ca~~" />
```

34. §17.3.1.37, "tab (Custom Tab Stop)", p. 269

[DR 09-0108]

```
<w:tab w:val="start~~left~~" w:pos="2160" />
```

35. §17.3.1.37, "tab (Custom Tab Stop)", p. 270, attribute pos

[DR 09-0108]

```
<w:tab w:val="start~~left~~" w:pos="2160" />
```

36. §17.3.1.37, "tab (Custom Tab Stop)", p. 270, attribute val

[DR 09-0108]

```
<w:tab w:val="start~~left~~" w:pos="2160" />
```

37. §17.3.1.38, "tabs (Set of Custom Tab Stops)", p. 271

[DR 09-0108]

```
<w:pPr>
  <w:tabs>
    <w:tab w:val="startleft" w:pos="2160" />
    <w:tab w:val="startleft" w:pos="5040" />
  </w:tabs>
</w:pPr>
```

38. §17.3.1.39, "textAlignment (Vertical Character Alignment on Line)", p. 272, attribute val

[DR 09-0119]

```
<w:pPr>
  <w:textAlignment w:val="baselline" />
</w:pPr>
```

39. §17.3.1.40, "textboxTightWrap (Allow Surrounding Paragraphs to Tight Wrap to Text Box Contents)", p. 273

[DR 09-0110]

```
<w:pPr>
  <w:textboxTightWrap w:val="allLines" />
</w:pPr>
```

40. §17.3.1.41, "textDirection (Paragraph Text Flow Direction)", p. 275

[DR 09-0111]

[*Example*: Consider a document with a paragraph in which text must be oriented vertically, flowing from left to right horizontally on the page.should flow bottom to top vertically, and left to right horizontally. This setting would be specified with the following WordprocessingML:

```
<w:pPr>
  <w:textDirectionFlow w:val="lrbtLr" />
</w:pPr>
```

The textDirectionFlow element specifies via the lrbtLr value in the val attribute that the text flow must be oriented vertically, with subsequent lines stacked from left to right.should go bottom to top, and left to right. *end example*]

41. §17.3.1.41, "textDirection (Paragraph Text Flow Direction)", p. 275, attribute val

[DR 09-0111]

[*Example*: Consider a document with a section in which text must be oriented vertically, flowing from left to right horizontally on the page.~~should flow bottom to top vertically, and left to right horizontally.~~ This setting requires the following WordprocessingML:

```
<w:sectPr>
  …
  <w:textDirection w:val="lr~~btLr~~" />
</w:sectPr>
```

The textDirection element specifies via the lr~~btLr~~ value in the val attribute that the text flow must be oriented vertically, with subsequent lines stacked from left to right.~~should go bottom to top, and left to right.~~ *end example*]

42. §17.3.2.5, "caps (Display All Characters As Capital Letters)", p. 285

[DR 09-0084]

[*Example*: Consider the words Hello, ~~w~~world, which must be displayed in all capital letters in a document. This constraint is specified as follows in the WordprocessingML:

```
<w:r>
  <w:rPr>
    <w:caps w:val="true" />
  </w:rPr>
  <w:t>Hello, ~~w~~world</w:t>
</w:r>
```

This run displays as HELLO, WORLD, even though the lowercase characters are used in the run contents due to the use of the caps element. If this property is removed, the original character forms is displayed (they are not lost). *end example*]

43. §17.3.2.26, "rFonts (Run Fonts)", p. 317, attribute cs

[DR 09-0125]

If the cs~~T~~theme attribute is also specified, then this attribute shall be ignored and that value shall be used instead.

44. §17.3.2.26, "rFonts (Run Fonts)", p. 318, attribute cstheme

[DR 09-0125]

[*Example*: Consider a run of Arabic text that~~which~~ must be displayed using the majorBidi theme font. This requirement would be specified as follows in the resulting WordprocessingML:

```
<w:rPr>
  <w:rFonts w:cs~~T~~theme="majorBidi" />
```

```
</w:rPr>
```

The cs~~T~~theme attribute specifies that the run must use the `majorBidi` theme font as defined in the document's themes part for all text in a complex script range. *end example*]

45. §17.3.2.27, "rPr (Previous Run Properties)", p. 321

[DR 09-0090]

```
<w:lang w:val="en-CA~~ca~~" />
```

46. §17.3.2.28, "rPr (Run Properties)", p. 323

[DR 09-0090]

```
<w:lang w:val="en-CA~~ca~~" />
```

47. §17.3.2.29, "rStyle (Referenced Character Style)", p. 326, attribute val

[DR 09-0227]

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

48. §17.3.2.33, "smallCaps (Small Caps)", p. 330

[DR 09-0084]

[*Example*: Consider the words `Hello, ~~w~~world`, which must be displayed in small capital letters in a document. This constraint is specified as follows in the WordprocessingML:

```
<w:r>
  <w:rPr>
    <w:smallCaps w:val="true" />
    <w:sz w:val="24" />
  </w:rPr>
  <w:t>Hello, ~~w~~world</w:t>
</w:r>
```

… *end example*]

49. §17.3.2.43, "w (Expanded/Compressed Text)", pp. 342–343

[DR 09-0202]

[*Example*: …

```
<w:rPr>
  <w:w w:val="200%"/>
</w:rPr>
```

This run explicitly declares that the w value is 200%, so the contents of this run appear at 200% of their normal character width by stretching the width of each character. *end example*]

…

Attributes	Description

val (Text Expansion/Compression Value)	…
	
	[*Example*: …
	
	`<w:rPr>`
	`  <w:w w:val="50%"/>`
	`</w:rPr>`
	
	This run explicitly declares that the w value is 50%, so the contents of this run appear at 50% of their normal character width by compressing the width of each character. *end example*]
	
	…

50. §17.3.3.18, "noBreakHyphen (Non Breaking Hyphen Character)", pp. 363–364

[DR 09-0114]

This element specifies that a non-breaking hyphen character shall be placed at the current location in the run content. ~~A *non-breaking hyphen* is the equivalent of Unicode character 002D (the hyphen-minus),; however, it shall not be used as a line breaking character for the current line of text when displaying this WordprocessingML content.~~

The behavior of a non-breaking hyphen in run content shall be to display using the same glyph as the hyphen-minus character (U+002D), however, without that hyphen being a line breaking position (unlike the hyphen-minus character, which does allow line breaking).

[*Example*: Consider the following sentence in a WordprocessingML document: 'Each citizen has a unique Social Security Number of the form "999-99-9999", where each 9 represents a decimal digit.' The fragment of this sentence involving the string literal might be represented in WordprocessingML, as follows:

```
<w:r>
  <w:t>Number of the form "999-99-9999", where</w:t>
</w:r>
```

However, consider the case in which, on rendering, the right margin was such that the quoted string is broken across multiple lines with the hyphens being used as possible line breaking points; for example:.

```
Each citizen has a unique Social Security Number of the form "999-99-
9999", where …
```

If such line breaks are undesirable, those hyphens can be marked as non-breaking, as follows:

```
<w:r>
  <w:t>Number of the form "999</w:t>
</w:r>
<w:r>
  <w:noBreakHyphen />
  <w:t>99</w:t>
</w:r>
<w:r>
  <w:noBreakHyphen />
  <w:t>9999", where</w:t>
</w:r>
```

in which case, for the same margin settings, the rendered result might be like the following:

```
Each citizen has a unique Social Security Number of the form
"999-99-9999", where …
```

end example]

~~[*Example*: Consider the following sentence in a WordprocessingML document:~~

~~This makes a very very very wordy and deliberately overcomplicated sentence.~~

~~Normally, just as shown above, this sentence not would be displayed on a single line as it is long enough to require line breaking (given the width of the current page). However, if a hyphen minus were inserted after the letter s in sentence, as follows:~~

```
<w:r>
  <w:t>This makes a very very very wordy and deliberately overcomplicated s-
entence.</w:t>
</w:r>
```

~~This would allow a break at that position, and break the word after that character:~~

~~This makes a very very very wordy and deliberately overcomplicated s-entence.~~

~~If this was not desired, the non breaking hyphen character could be specified as follows:~~

```
<w:r>
  <w:t>This makes a very very very wordy and deliberately overcomplicated
s</w:t>
  <w:nonBreakHyphen/>
  <w:t>entence.</w:t>
</w:r>
```

~~This would display a hyphen character, but would not allow the text to break at that location:~~

~~This makes a very very very wordy and deliberately overcomplicated s-entence.~~

~~*end example*~~]

51. §17.3.3.20, "objectEmbed (Embedded Object Properties)", p. 366, attribute fieldCodes

[DR 09-0175]

Attributes	Description
fieldCodes (Field Switches)	This element specifies the WordprocessingML field switches which shall be stored with an embedded object, using the set of field switches defined by the LINK field, as specified in §17.16.5.32. This element shall specify the exact field switches for the field which represents the object. … [*Example*: `<w:objectEmbed … fieldCodes="\f 0"/>` This embedded object specifies additional LINK field code values of \f 0, which specifies that the embedded object must retain its source formatting (as defined in §17.16.5.32). *end example*] …

52. §17.3.3.21, "objectLink (Linked Object Properties)", p. 368, attribute fieldCodes

[DR 09-0175]

Attributes	Description

Attributes	Description
fieldCodes (Field Switches)	This element specifies the WordprocessingML field switches which shall be stored with an embedded object, using the set of field switches defined by the LINK field, as specified in §17.16.5.32. This element shall specify the exact field switches for the field which represents the object. … [*Example*: <w:objectEmbed … fieldCodes="\f 0"/> This embedded object specifies additional LINK field code values of \f 0, which specifies that the embedded object must retain its source formatting (as defined in §17.16.5.32). *end example*] …

53. §17.3.3.23, "ptab (Absolute Position Tab Character)", p. 371

[DR 09-0108]

```
<w:pPr>
  <w:tabs>
    <w:tab w:val="startleft" w:pos="2160" />
    <w:tab w:val="startleft" w:pos="5040" />
  </w:tabs>
</w:pPr>
```

54. §17.3.3.32, "tab (Tab Character)", p. 383

[DR 09-0108]

```
<w:pPr>
  <w:tabs>
    <w:tab w:val="startleft" w:pos="2160" />
    <w:tab w:val="startleft" w:pos="5040" />
  </w:tabs>
</w:pPr>
```

55. §17.3.4, "Border Properties (CT_Border)", p. 388, attribute themeShade

[DR 09-0080]

Change "… instance. If the …" to "… instance. If the …"

56. §17.4, "Tables", p. 399

[DR 09-0122]

```
<w:tblBorders>
  …
  <w:startleft w:val="single" w:sz="4" w:space="0" w:color="auto"/>
  …
  <w:endright w:val="single" w:sz="4" w:space="0" w:color="auto"/>
</w:tblBorders>
```

57. §17.4.18, "header (Header Cell Reference)", p. 431, attribute val

[DR 09-0227]

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1heading1" />`
	`</w:pPr>`
	
	…

58. §17.4.22, "hMerge (Horizontally Merged Cell)", p. 436

[DR 09-0115]

```
<w:tc>
  <w:tcPr>
    <w:hMmerge w:val="restart"/>
  </w:tcPr>
  …
</w:tc>
<w:tc>
  <w:tcPr>
    <w:hMmerge/>
  </w:tcPr>
  …
</w:tc>
…
```

The hMmerge element defines the cells thatwhich are horizontally merged, and how each group is merged together. *end example*]

59. §17.4.22, "hMerge (Horizontally Merged Cell)", p. 436, attribute val

[DR 09-0115]

```
<w:tcPr>
  <w:hMmerge w:val="restart"/>
</w:tcPr>
```

60. §17.4.27, "jc (Table Alignment Exception)", p. 441

[DR 09-0108]

```
<w:tblPrEx>
  <w:jc w:val="startleft"/>
</w:tblPrEx>
```

61. §17.4.28, "jc (Table Row Alignment)", p. 442

[DR 09-0108]

```
<w:trPr>
  <w:jc w:val="startleft"/>
</w:trPr>
```

62. §17.4.29, "jc (Table Alignment)", p. 443

[DR 09-0108]

```
<w:tblPr>
  <w:jc w:val="endright"/>
</w:tblPr>
```

63. §17.4.31, "shd (Table Shading Exception)", p. 446

[DR 09-0108]

```
<w:tblPrEx>
  <w:jc w:val="startleft" />
  <w:shd w:val="clear" w:color="auto" w:fill="EEECE1" w:themeFill="background2"
    />
</w:tblPrEx>
```

64. §17.4.38, "tbl (Table)", p. 453

[DR 09-0122]

```
<w:tblBorders>
```

```
    …
    <w:startleft w:val="single" w:sz="4" w:space="0" w:color="auto"/>
    …
    <w:endright w:val="single" w:sz="4" w:space="0" w:color="auto"/>
  </w:tblBorders>
```

65. §17.4.39, “tblBorders (Table Borders)”, p. 455

[DR 09-0122]

```
  <w:tblBorders>
    …
    <w:startleft w:val="single" w:sz="4" w:space="0" w:color="000000"
      w:themeColor="text1"/>
    …
    <w:endright w:val="single" w:sz="4" w:space="0" w:color="000000"
      w:themeColor="text1"/>
    …
  <w:tblBorders>
```

66. §17.4.40, “tblBorders (Table Borders Exceptions)”, p. 457

[DR 09-0122]

```
  <w:tblBorders>
    …
    <w:startleft w:val="single" w:sz="24" w:space="0" w:color="000000"
      w:themeColor="text1"/>
    …
    <w:endright w:val="single" w:sz="24" w:space="0" w:color="000000"
      w:themeColor="text1"/>
    …
  </w:tblBorders>
```

67. §17.4.41, “tblCaption (Table Caption)”, p. 458, attribute val

[DR 09-0227]

Attributes	Description

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

68. §17.4.42, "tblCellMar (Table Cell Margin Exceptions)", p. 459

[DR 09-0122]

```
<w:tblCellMar>
  …
  <w:start~~left~~ w:w="144" w:type="dxa"/>
  …
  <w:end~~right~~ w:w="144" w:type="dxa"/>
</w:tblCellMar>
```

69. §17.4.43, "tblCellMar (Table Cell Margin Defaults)", p. 460

[DR 09-0122]

```
<w:tblCellMar>
  …
  <w:start~~left~~ w:w="144" w:type="dxa"/>
  …
  <w:end~~right~~ w:w="144" w:type="dxa"/>
</w:tblCellMar>
```

70. §17.4.47, "tblDescription (Table Description)", p. 465, attribute val

[DR 09-0227]

Attributes	Description

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

71. §17.4.51, "tblInd (Table Indent from Leading Margin)", p. 469

[DR 09-0108]

```
<w:tblPr>
  <w:jc w:val="start~~left~~"/>
  <w:tblInd w:w="1440" w:type="dxa"/>
</w:tblPr>
```

…

```
<w:tblPr>
  <w:jc w:val="end~~right~~"/>
  <w:tblInd w:w="1440" w:type="dxa"/>
</w:tblPr>
```

72. §17.4.59, "tblPr (Previous Table Properties)", p. 483

[DR 08-0010]

```
<w:tblPr>
  …
  <w:tblLook ~~w:val="04A0"~~w:firstRow="true" w:firstColumn="true"
    w:noVBand="true" />
  <w:tblPrChange w:id="0" … >
  <w:tblPr>
    …
    <w:tblLook ~~w:val="04A0"~~w:firstRow="true" w:firstColumn="true"
      w:noVBand="true"/>
  </w:tblPr>
  </w:tblPrChange>
</w:tblPr>
```

73. §17.4.60, "tblPr (Table Properties)", p. 485

[DR 09-0122]

```
<w:tblBorders>
  …
  <w:startleft w:val="single" w:sz="4" w:space="0" w:color="auto"/>
  …
  <w:endright w:val="single" w:sz="4" w:space="0" w:color="auto"/>
  …
</w:tblBorders>
```

74. §17.4.61, "tblPrEx (Table-Level Property Exceptions)", p. 487

[DR 09-0122]

```
<w:tblBorders>
  …
  <w:startleft w:val="thinThickThinMediumGap" w:sz="24" w:space="0"
    w:color="auto"/>
  …
  <w:endright w:val="thinThickThinMediumGap" w:sz="24" w:space="0"
    w:color="auto"/>
  …
</w:tblBorders>
```

75. §17.4.62, "tblPrEx (Previous Table-Level Property Exceptions)", p. 489

[DR 09-0122]

```
<w:tr>
  <w:tblPrEx>
    <w:tblBorders>
      …
      <w:startleft w:val="thinThickThinMediumGap" w:sz="24" w:space="0"
        w:color="auto"/>
      …
      <w:endright w:val="thinThickThinMediumGap" w:sz="24" w:space="0"
        w:color="auto"/>
      …
    </w:tblBorders>
    <w:tblPrExChange w:id="9" … >
      <w:tblPrEx>
        <w:tblBorders>
          …
```

```
            <w:startleft w:val="thinThickThinSmallGap" w:sz="24" w:space="0"
              w:color="FF0000"/>
            …
            <w:endright w:val="thinThickThinSmallGap" w:sz="24" w:space="0"
              w:color="FF0000"/>
            …
          </w:tblBorders>
    …
  </w:tr>
```

76. §17.4.63, "tblStyle (Referenced Table Style)", p. 491, attribute val

[DR 09-0227]

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1heading1" />`
	`</w:pPr>`
	
	…

77. §17.4.65, "tblW (Preferred Table Width Exception)", p. 493

[DR 09-0139]

```
<w:tblPrEx>
  <w:tblW w:type="autofixed" w:w="1440"/>
</w:tblPrEx>
```

78. §17.4.66, "tc (Table Cell)", pp. 494–495

[DR 09-0084]

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

Hello, Wworld

This table cell's content is represented by the following WordprocessingML:

```
<w:tc>
  <w:tcPr>
    <w:tcW w:w="0" w:type="auto"/>
  </w:tcPr>
  <w:p>
    <w:r>
      <w:t>Hello, Wworld</w:t>
    </w:r>
  </w:p>
</w:tc>
```

... end example]

79. §17.4.67, "tcBorders (Table Cell Borders)", p. 499

[DR 09-0122]

```
<w:tcPr>
  <w:tcBorders>
    …
    <w:startleft w:val="double" w:sz="24" w:space="0" w:color="FF0000"/>
    …
    <w:endright w:val="double" w:sz="24" w:space="0" w:color="FF0000"/>
  </w:tcBorders>
</w:tcPr>
```

80. §17.4.69, "tcMar (Single Table Cell Margins)", p. 501

[DR 09-0122]

```
<w:tcMar>
  <w:top w:w="720" w:type="dxa"/>
  <w:startleft w:w="720" w:type="dxa"/>
  <w:bottom w:w="720" w:type="dxa"/>
  <w:endright w:w="720" w:type="dxa"/>
</w:tcMar>
```

81. §17.4.70, "tcPr (Table Cell Properties)", p. 502

[DR 09-0122]

```
<w:tbl>
  <w:tblPr>
    <w:tblCellMar>
      <w:startleft w:w="0" w:type="dxa"/>
    </w:tblCellMar>
```

```
    </w:tblPr>
    …
    <w:tr>
      <w:tc>
        <w:tcPr>
          <w:tcMar>
            <w:startleft w:w="720" w:type="dxa"/>
          </w:tcMar>
        </w:tcPr>
        …
      </w:tc>
    </w:tr>
  </w:tbl>
```

82. §17.4.73, “textDirection (Table Cell Text Flow Direction)”, p. 507

[DR 09-0111]

[*Example*: Consider a table with one cell in which all the table cell's text flow is oriented vertically, flowing from right to left horizontally within that celltop to bottom - right to left:

Text in this table cell

This table cell would specify this text flow using the following WordprocessingML:

```
  <w:tc>
    <w:tcPr>
      …
      <w:textDirection w:val="rltbRl" />
    </w:tcPr>
    …
  </w:tc>
```

The textDirection element specifies via the rltbRl value in the val attribute that the text flow is to be oriented vertically, with subsequent lines stacked from right to left.should go top to bottom, then right to left. *end example*]

83. §17.4.73, “textDirection (Table Cell Text Flow Direction)”, p. 508, attribute val

[DR 09-0111]

[*Example*: Consider a document with a section in which text must be oriented vertically, flowing from left to right horizontally on the page.~~should flow bottom to top vertically, and left to right horizontally.~~ This setting requires the following WordprocessingML:

```
<w:sectPr>
  …
  <w:textDirection w:val="lr~~btLr~~" />
</w:sectPr>
```

The textDirection element specifies via the lr~~btLr~~ value in the val attribute that the text flow must be oriented vertically, with subsequent lines stacked from left to right.~~ go bottom to top, and left to right.~~ *end example*]

84. §17.4.79, "tr (Table Row)", pp. 512–513

[DR 09-0084]

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

Hello World

This table row's content is represented by the following WordprocessingML:

```
<w:tr>
  <w:tc>
    <w:tcPr>
      <w:tcW w:w="0" w:type="auto"/>
    </w:tcPr>
    <w:p>
      <w:r>
        <w:t>Hello, ~~W~~world</w:t>
      </w:r>
    </w:p>
  </w:tc>
</w:tr>
```

… *end example*]

85. §17.4.85, "vMerge (Vertically Merged Cell)", pp. 523–524

[DR 09-0115]

```
<w:tc>
  <w:tcPr>
    <w:vM~~m~~erge w:val="restart"/>
  </w:tcPr>
```

```
    …
  </w:tc>
  …
  <w:tc>
    <w:tcPr>
      <w:vMmerge w:val="continue"/>
    </w:tcPr>
    …
  </w:tc>
  …
  <w:tc>
    <w:tcPr>
      <w:vMmerge w:val="continue"/>
    </w:tcPr>
    …
  </w:tc>
  …
```

The vMmerge element defines the cells thatwhich are vertically merged, and how each cell is merged together. *end example*]

86. §17.4.85, "vMerge (Vertically Merged Cell)", pp. 523–524, attribute val

[DR 09-0115]

```
  <w:tcPr>
    <w:vMmerge w:val="restart"/>
  </w:tcPr>
```

87. §17.4.88, "Table Measurement (CT_TblWidth)", p. 527, attribute w

[DR 09-0246]

Attributes	Description
w (Table Width Value)	… The possible values for this attribute are defined by the ST_DecimalNumberOrPercentST_MeasurementOrPercent simple type (§17.18.1107).

88. §17.5, "Custom Markup", p. 528

[DR 09-0205]

For these scenarios, multiple facilities are provided for the insertion and round-trippinginclusion of customer-defined semantics within a WordprocessingML document.

89. §17.5.1, "Custom XML and Smart Tags", p. 529

[DR 09-0214]

The next formexample of customer-defined semantics thatwhich can be embedded in a WordprocessingML document is custom XML markup.

90. §17.5.1, "Custom XML and Smart Tags", p. 529

[DR 09-0215]

Custom XML markup allows the application of the XML elements defined in any schema syntax (XML Schema, NVDL, etc.) to be applied to the contents of a WordprocessingML document in one of two types of locations:

91. §17.5.1, "Custom XML and Smart Tags", p. 530

[DR 09-0217]

Similar to the smart tag example above, aA custom XML element in a document has two required attributes:

92. §17.5.1.1, "attr (Custom XML Attribute)", p. 531

[DR 09-0218]

The attributes on this element shall be used to specify the contentsthe Namespace URI, name, and content of the custom XML attribute.

93. §17.5.1.1, "attr (Custom XML Attribute)", p. 531

[DR 09-0220]

This property bagset of custom XML properties specifies that the parent custom XML element must have two attributes associated with it, the first with a name of `companyName`, and the second with a name of `companySymbol`. *end example*]

94. §17.5.1.3, "customXml, Inline-Level Custom XML Element", p. 534

[DR 09-0011]

Parent Elements
bdo (§xx); customXml (§xx); deg (§22.1.2.26); del (§xx); den (§22.1.2.28); dir (§xx); e (§22.1.2.32); fldSimple (§xx); fName (§22.1.2.37); hyperlink (§xx); ins (§xx); lim (§22.1.2.52); moveFrom (§xx); moveTo (§xx); num (§22.1.2.75); oMath (§22.1.2.77); p (§xx); sdtContent (§xx); smartTag (§xx); sub (§22.1.2.112); sup (§22.1.2.114)

95. §17.5.1.8, "placeholder (Custom XML Element Placeholder Text)", p. 545–546, attribute val

[DR 09-0227]

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

96. §17.5.1.9, "SmartTag, Inline-Level Smart Tag", p. 547

[DR 09-0011]

Parent Elements
bdo (§xx); customXml (§xx); deg (§22.1.2.26); del (§xx); den (§22.1.2.28); dir (§xx); e (§22.1.2.32); fldSimple (§xx); fName (§22.1.2.37); hyperlink (§xx); ins (§xx); lim (§22.1.2.52); moveFrom (§xx); moveTo (§xx); num (§22.1.2.75); oMath (§22.1.2.77); p (§xx); sdtContent (§xx); smartTag (§xx); sub (§22.1.2.112); sup (§22.1.2.114)

97. §17.5.2.1, "alias (Friendly Name)", p. 551, attribute val

[DR 09-0227]

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

98. §17.5.2.5, "comboBox (Combo Box Structured Document Tag)", p. 554

[DR 09-0224]

- The child elements of this element specify choices which shall be presented to the user ~~displayed in a standard drop-down list format~~

99. §17.5.2.5, "comboBox (Combo Box Structured Document Tag)", pp. 555–556

[DR 09-0084]

[*Example*: Consider a combo box structured document tag defined as follows:

```
<w:sdt>
  <w:sdtPr>
    <w:dataBinding … />
    <w:comboBox w:lastValue="2"/>
  </w:sdtPr>
  <w:sdtContent>
    <w:r>
      <w:t>Hello, world</w:t>
    </w:r>
  </w:sdtContent>
</w:sdt>
```

The current run content of the structured document tag reads `Hello, world`. When this document is opened, if the current value of the associated custom XML data is 2, the matching lastValue attribute specifies that the contents of the combo box must continue to be the current display text of the combo box even though there is no listItem whose value is 2 (and normally, the content of the structured document tag would be set to 2. Essentially, this attribute specifies a listItem whose value is 2 and whose displayText is `Hello, world` (the current structured document tag contents). *end example*]

100. §17.5.2.8, "dateFormat (Date Display Mask)", p. 562, attribute val

[DR 09-0227]

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

101. §17.5.2.9, "docPart (Document Part Reference)", p. 563, attribute val

[DR 09-0227]

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

102. §17.5.2.10, "docPartCategory (Document Part Category Filter)", p. 564–565, attribute val

[DR 09-0227]

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

103. §17.5.2.11, "docPartGallery (Document Part Gallery Filter)", p. 566, attribute val

[DR 09-0227]

Attributes	Description

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

104. §17.5.2.15, "dropDownList (Drop-Down List Structured Document Tag)", p. 570

[DR 09-0084]

[*Example*: Consider a drop-down list structured document tag defined as follows:

```
<w:sdt>
  <w:sdtPr>
    <w:dataBinding … />
    <w:dropDownList w:lastValue="2"/>
  </w:sdtPr>
  <w:sdtContent>
    <w:r>
      <w:t>Hello, world</w:t>
    </w:r>
  </w:sdtContent>
</w:sdt>
```

The current run content of the structured document tag reads `Hello, world`. When this document is opened, if the current value of the associated custom XML data is 2, the matching lastValue attribute specifies that the contents of the combo box must continue to be the current display text of the combo box even though there is no listItem whose value is 2 (and normally, the content of the structured document tag would be set to 2. Essentially, this attribute specifies a listItem whose value is 2 and whose displayText is `Hello, world` (the current structured document tag contents). *end example*]

105. §17.5.2.31, "sdt, Inline-Level Structured Document Tag", p. 590

[DR 09-0011]

Parent Elements
bdo (§xx); customXml (§xx); deg (§22.1.2.26); del (§xx); den (§22.1.2.28); dir (§xx); e (§22.1.2.32); fldSimple (§xx); fName (§22.1.2.37); hyperlink (§xx); ins (§xx); lim (§22.1.2.52); moveFrom (§xx); moveTo (§xx); num (§22.1.2.75); oMath (§22.1.2.77); p (§xx); sdtContent (§xx); smartTag (§xx); sub (§22.1.2.112); sup (§22.1.2.114)

106. §17.5.2.42, "tag (Programmatic Tag)", p. 606, attribute val

[DR 09-0227]

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

107. §17.6.1.11, "pgMar (Page Margins)", p. 641

[DR 09-0133]

```
<w:sectPr>
  <w:pgMar w:header="720" w:bottom="1440" w:top="1440" w:right="1440"
    w:left="1440" w:footer="720" w:gutter="0" />
  …
</w:sectPr>
```

108. §17.6.2, "bottom (Bottom Border)", p. 617, attribute themeShade

[DR 09-0080]

Change "… instance. If the …" to "… instance. If the …"

109. §17.6.7, "left (Left Border)", p. 632, attribute themeShade

[DR 09-0080]

Change "… instance. If the …" to "… instance. If the …"

110. §17.6.15, "right (Right Border)", p. 655, attribute themeShade

[DR 09-0080]

Change "… instance. If the …" to "… instance. If the …"

111. §17.6.20, "textDirection (Text Flow Direction)", p. 667

[DR 09-0111]

[*Example*: Consider a document with a section in which text must be oriented vertically, flowing from left to right horizontally on the page.~~should flow bottom to top vertically, and left to right horizontally.~~ This setting requires the following WordprocessingML:

```
<w:sectPr>
  …
  <w:textDirection w:val="lr~~btLr~~" />
</w:sectPr>
```

The textDirection element specifies via the lr~~btLr~~ value in the val attribute that the text flow must be oriented vertically, with subsequent lines stacked from left to right.~~ go bottom to top, and left to right.~~ *end example*]

112. §17.6.20, "textDirection (Text Flow Direction)", p. 667, attribute val

[DR 09-0111]

[*Example*: Consider a document with a section in which text must be oriented vertically, flowing from left to right horizontally on the page.~~should flow bottom to top vertically, and left to right horizontally.~~ This setting requires the following WordprocessingML:

```
<w:sectPr>
  …
  <w:textDirection w:val="lr~~btLr~~" />
</w:sectPr>
```

The textDirection element specifies via the lr~~btLr~~ value in the val attribute that the text flow must be oriented vertically, with subsequent lines stacked from left to right.~~ go bottom to top, and left to right.~~ *end example*]

113. §17.6.21, "top (Top Border)", p. 673, attribute themeShade

[DR 09-0080]

Change "… instance. If the …" to "… instance. If the …"

114. §17.7.4, "General Style Properties", p. 683

[DR 09-0085]

[*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>
```

115. §17.7.4, "General Style Properties", p. 683

[DR 09-0121]

```
<w:style w:type="paragraph" w:styleId="Heading1">
  …
  <w:qFformat/>
  …
</w:style>
```

116. §17.7.4.1, "aliases (Alternate Style Names)", p. 684, attribute val

[DR 09-0227]

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1heading1" />`
	`</w:pPr>`
	
	…

117. §17.7.4.3, "basedOn (Parent Style ID)", p. 688, attribute val

[DR 09-0227]

Attributes	Description

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

118. §17.7.4.6, "link (Linked Style Reference)", p. 694, attribute val

[DR 09-0227]

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

119. §17.7.4.9, "name (Primary Style Name)", p. 699, attribute val

[DR 09-0227]

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

120. §17.7.4.10, "next (Style For Next Paragraph)", p. 701, attribute val

[DR 09-0227]

Attributes	Description

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

121. §17.7.4.17, "style (Style Definition)", pp. 706–707

[DR 09-0085]

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

```
<w:style w:type="paragraph" w:styleId="Heading1">
  <w:name w:val="~~h~~Heading 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>
```

122. §17.7.4.17, "style (Style Definition)", p. 707

[DR 09-0121]

```
<w:style w:type="paragraph" w:styleId="Heading1">
  …
  <w:qF~~f~~ormat/>
  …
</w:style>

<w:style w:type="paragraph" w:styleId="Heading1">
  …
  <w:qF~~f~~ormat/>
  …
</w:style>
```

123. §17.7.4.17, "style (Style Definition)", p. 708

[DR 09-0122]

```
<w:tblCellMar>
  …
  <w:startleft w:w="108" w:type="dxa"/>
  …
  <w:endright w:w="108" w:type="dxa"/>
</w:tblCellMar>
```

124. §17.7.5, "Document Defaults", p. 715

[DR 09-0084]

[*Example*: Consider the following fragment from the main document part of a WordprocessingML document:

```
<w:body>
  <w:p>
    <w:r>
      <w:t>Hello, world!</w:t>
    </w:r>
  </w:p>
</w:body>
```

… *end example*]

125. §17.7.5.1, "docDefaults (Document Default Paragraph and Run Properties)", p. 716

[DR 09-0084]

```
<w:body>
  <w:p>
    <w:r>
      <w:t> Hello, world!</w:t>
    </w:r>
  </w:p>
</w:body>
```

126. §17.7.5.1, "docDefaults (Document Default Paragraph and Run Properties)", p. 716

[DR 09-0126]

```
<w:docDefaults>
  <w:rPrDefault>
    <w:rPr>
      <w:b/>
    </w:rPr>
  </w:rPrDefault>
  <w:pPrDefault>
    <w:pPr>
      <w:jc w:val="center"/>
    </w:pPr>
  </w:pPrDefault>
  <w:rPrDefault>
    <w:rPr>
      <w:b/>
    </w:rPr>
  </w:rPrDefault>
</w:docDefaults>
```

127. §17.7.6, “Table Styles”, p. 724

[DR 09-0122]

```
<w:tblPr>
  <w:tblBorders>
    …
    <w:startleft w:val="single" w:sz="4" w:space="0" w:color="auto"/>
    …
    <w:endright w:val="single" w:sz="4" w:space="0" w:color="auto"/>
    …
  </w:tblBorders>
  <w:tblCellMar>
    …
    <w:startleft w:w="108" w:type="dxa"/>
    …
    <w:endright w:w="108" w:type="dxa"/>
  </w:tblCellMar>
</w:tblPr>
```

128. §17.7.6, “Table Styles”, p. 725

[DR 08-0010]

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.

…

```
<w:tbl>
  <w:tblPr>
    …
    <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:tblLook w:val="0460"w:firstRow="true" w:lastRow="true"
      w:noVBand="true"/>
  </w:tblPr>
…
</w:tbl>
```

129. §17.7.6.8, “tcPr (Table Style Conditional Formatting Table Cell Properties)”, p. 736

[DR 09-0122]

```
<w:tcBorders>
  …
  <w:startleft w:val="nil" />
  …
  <w:endright w:val="nil" />
  …
</w:tcBorders>
```

130. §17.7.8, “Paragraph Styles”, p. 742

[DR 09-0121]

```
<w:style w:type="paragraph" w:styleId="TestParagraphStyle">
  …
  <w:qFformat/>
  …
</w:style>
```

131. §17.7.8.1, "Numbering in Paragraph Styles", p. 744

[DR 09-0123]

```
<w:pPr>
  <w:tabs>
    <w:tab w:val="num" w:pos="720" />
  </w:tabs>
  <w:ind w:start~~left~~="720" w:hanging="360" />
</w:pPr>
```

132. §17.7.9, "Run (Character) Styles", p. 747

[DR 09-0121]

```
<w:style w:type="character" w:styleId="TestCharacterStyle">
  …
  <w:qF~~f~~ormat/>
  …
</w:style>
```

133. §17.8.3.1, "altName (Alternate Names for Font)", p. 752, attribute val

[DR 09-0227]

Attributes	Description
val (String Value)	… [*Example*: Consider the following WordprocessingML fragment: <w:pPr> <w:pStyle w:val="Heading1~~heading1~~" /> </w:pPr> …

134. §17.8.3.13, "panose1 (Panose-1 Typeface Classification Number)", p. 766

[DR 09-0048]

This element specifies the Panose-1 classification number ~~for the current font using the mechanism defined~~ shown in §4.2.7.17 of ISO/IEC 14496-22:2007. 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.

135. §17.9, "Numbering", p. 773

[DR 09-0108]

```
<w:lvl w:ilvl="0">
  <w:start w:val="1" />
  <w:lvlText w:val="%1." />
  <w:lvlJc w:val="startleft" />
  …
</w:lvl>
```

136. §17.9, "Numbering", p. 773

[DR 09-0123]

```
<w:pPr>
  <w:tabs>
    <w:tab w:val="num" w:pos="720" />
  </w:tabs>
  <w:ind w:startleft="720" w:hanging="360" />
</w:pPr>
```

137. §17.9.1, "abstractNum (Abstract Numbering Definition)", p. 774

[DR 09-0123]

```
<w:pPr>
  <w:tabs>
    <w:tab w:val="num" w:pos="720" />
  </w:tabs>
  <w:ind w:startleft="720" w:hanging="360" />
</w:pPr>
```

138. §17.9.1, "abstractNum (Abstract Numbering Definition)", pp. 774–775

[DR 09-0108]

```
<w:lvl w:ilvl="0">
  <w:start w:val="1" />
  <w:lvlText w:val="%1." />
  <w:lvlJc w:val="startleft" />
  …
</w:lvl>
```

139. §17.9.1, "abstractNum (Abstract Numbering Definition)", p. 775, attribute abstractNumId

[DR 09-0123]

```
<w:pPr>
  <w:tabs>
    <w:tab w:val="num" w:pos="720" />
  </w:tabs>
  <w:ind w:startleft="720"/>
</w:pPr>
```

140. §17.9.5, "legacy (Legacy Numbering Level Properties)", p. 780

[DR 09-0108]

```
<w:lvl w:ilvl="0">
  …
  <w:legacy w:legacySpace="820" w:legacyIndent="960" />
  <w:lvlJc w:val="startleft" />
  …
</w:lvl>
```

141. §17.9.5, "legacy (Legacy Numbering Level Properties)", p. 780

[DR 09-0123]

```
<w:pPr>
  <w:ind w:startleft="360" w:hanging="360" />
</w:pPr>
```

142. §17.9.6, "lvl (Numbering Level Override Definition)", p. 782

[DR 09-0108]

```
<w:lvl w:ilvl="0">
  <w:start w:val="4" />
  <w:lvlText w:val="%1)" />
  <w:lvlJc w:val="startleft" />
  …
</w:lvl>
```

143. §17.9.6, "lvl (Numbering Level Override Definition)", pp. 782–783

[DR 09-0123]

```
<w:pPr>
  <w:ind w:startleft="360" w:hanging="360" />
</w:pPr>

<w:pPr>
  <w:ind w:startleft="360" w:hanging="360" />
</w:pPr>
```

144. §17.9.6, "lvl (Numbering Level Override Definition)", p. 783

[DR 09-0108]

```
<w:lvl w:ilvl="0">
  <w:start w:val="4" />
  <w:lvlText w:val="%1)" />
  <w:lvlJc w:val="startleft" />
  …
</w:lvl>
```

145. §17.9.8, "lvlJc (Justification)", p. 788

[DR 09-0108]

```
<w:lvl w:ilvl="8" w:tplc="756C1446" w:tentative="1">
  <w:start w:val="1" />
  <w:numFmt w:val="bullet" />
  <w:lvlText w:val="•" />
  <w:lvlJc w:val="startleft" />
…
</w:lvl>
```

146. §17.9.9, "lvlOverride (Numbering Level Definition Override)", p. 790

[DR 09-0108]

```
<w:lvl w:ilvl="0">
  <w:start w:val="4" />
  <w:lvlText w:val="%1)" />
  <w:lvlJc w:val="startleft" />
  …
</w:lvl>
…
<w:lvl w:ilvl="1">
  <w:start w:val="5" />
  <w:lvlText w:val="%Test)" />
```

```
    <w:lvlJc w:val="startleft" />
    …
  </w:lvl>
```

147. §17.9.9, "lvlOverride (Numbering Level Definition Override)", pp. 790–791

[DR 09-0123]

```
  <w:pPr>
    <w:ind w:startleft="360" w:hanging="360" />
  </w:pPr>
  …
  <w:pPr>
    <w:ind w:startleft="360" w:hanging="360" />
  </w:pPr>

  <w:pPr>
    <w:ind w:startleft="360" w:hanging="360" />
  </w:pPr>
```

148. §17.9.9, "lvlOverride (Numbering Level Definition Override)", p. 791

[DR 09-0108]

```
  <w:lvl w:ilvl="0">
    <w:start w:val="4" />
    <w:lvlText w:val="%1)" />
    <w:lvlJc w:val="startleft" />
    …
  </w:lvl>
```

149. §17.9.9, "lvlOverride (Numbering Level Definition Override)", pp. 791–792, attribute ilvl

[DR 09-0123]

```
  <w:pPr>
    <w:ind w:startleft="360" />
  </w:pPr>
```

150. §17.9.11, "lvlRestart (Restart Numbering Level Symbol)", pp. 793-794

[DR 09-0108]

```
  <w:lvl w:ilvl="0">
```

```
    <w:start w:val="1" />
    <w:lvlText w:val="%1)" />
    <w:lvlJc w:val="startleft" />
    …
  </w:lvl>
  <w:lvl w:ilvl="1">
    <w:start w:val="1" />
    <w:numFmt w:val="upperLetter" />
    <w:lvlText w:val="%2)" />
    <w:lvlJc w:val="startleft" />
  </w:lvl>
  <w:lvl w:ilvl="2">
    <w:start w:val="1" />
    <w:numFmt w:val="lowerRoman" />
    <w:lvlRestart w:val="0">
    <w:lvlText w:val="%3)" />
    <w:lvlJc w:val="startleft" />
    …
  </w:lvl>
```

151. §17.9.11, “lvlRestart (Restart Numbering Level Symbol)”, pp. 793–794

[DR 09-0123]

```
  <w:pPr>
    <w:ind w:startleft="360" w:hanging="360" />
  </w:pPr>
  …
  <w:pPr>
    <w:ind w:startleft="720" w:hanging="360" />
  </w:pPr>
  …
  <w:pPr>
    <w:ind w:startleft="1080" w:hanging="360" />
  </w:pPr>
```

152. §17.9.14, “name (Abstract Numbering Definition Name)”, p. 799, attribute val

[DR 09-0227]

Attributes	Description

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

153. §17.9.16, "num (Numbering Definition Instance)", p. 802

[DR 09-0123]

```
<w:pPr>
  <w:ind w:start~~left~~="360" w:hanging="360" />
</w:pPr>
```

154. §17.9.18, "num (Numbering Definition Instance)", p. 802

[DR 09-0108]

```
<w:lvl w:ilvl="0">
  <w:start w:val="4" />
  <w:lvlText w:val="%1)" />
  <w:lvlJc w:val="start~~left~~" />
  …
</w:lvl>
```

155. §17.9.18, "numFmt (Numbering Format)", p. 804

[DR 09-0123]

```
<w:pPr>
  <w:ind w:start~~left~~="1080" w:hanging="360" />
</w:pPr>
```

156. §17.9.18, "numFmt (Numbering Format)", p. 804

[DR 09-0108]

```
<w:lvl w:ilvl="2">
  <w:start w:val="1" />
  <w:numFmt w:val="lowerRoman" />
  <w:lvlRestart w:val="0" />
  <w:lvlText w:val="%3)" />
```

```
    <w:lvlJc w:val="startleft" />
    …
  </w:lvl>
```

157. §17.9.18, "numFmt (Numbering Format)", p. 804

[DR 09-0091]

Attributes	Description
format (Custom Defined Number Format)	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. …

158. §17.9.22, "numStyleLink (Numbering Style Reference)", p. 809, attribute val

[DR 09-0227]

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

159. §17.9.23, "pPr (Numbering Level Associated Paragraph Properties)", p. 810

[DR 09-0123]

```
  <w:pPr>
    <w:tabs>
      <w:tab w:val="num" w:pos="720" />
    </w:tabs>
    <w:ind w:startleft="720" w:hanging="360" />
  </w:pPr>
```

160. §17.9.24, "pStyle (Paragraph Style's Associated Numbering Level)", p. 812

[DR 09-0123]

```
<w:pPr>
  <w:tabs>
    <w:tab w:val="num" w:pos="720" />
  </w:tabs>
  <w:ind w:start~~left~~="720" w:hanging="360" />
</w:pPr>
```

161. §17.9.24, "pStyle (Paragraph Style's Associated Numbering Level)", p. 813, attribute val

[DR 09-0227]

Attributes	Description
val (String Value)	… [*Example*: Consider the following WordprocessingML fragment: <w:pPr> <w:pStyle w:val="Heading1~~heading1~~" /> </w:pPr> …

162. §17.9.28, "styleLink (Numbering Style Definition)", p. 819, attribute val

[DR 09-0227]

Attributes	Description
val (String Value)	… [*Example*: Consider the following WordprocessingML fragment: <w:pPr> <w:pStyle w:val="Heading1~~heading1~~" /> </w:pPr> …

163. §17.11.4, "endnotePr (Document-Wide Endnote Properties)", p. 845

[DR 09-0127]

```
<w:endnotePr>
  <w:pos w:val="sectEnd"/>
  <w:numFmt w:val="lowerRoman" />
  <w:pos w:val="sectEnd"/>
</w:endnotePr>
```

164. §17.11.6, "endnoteRef (Endnote Reference Mark)", p. 848

[DR 09-0137]

```
<w:r>
  <w:rPr>
    <w:rStyle w:val="EndnoteReference" />
  </w:rPr>
  <w:endfootnoteRef />
</w:r>
```

165. §17.11.17, "numFmt (Endnote Numbering Format)", p. 866

[DR 09-0091]

Attributes	Description
format (Custom Defined Number Format)	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. …

166. §17.11.18, "numFmt (Footnote Numbering Format)", p. 867

[DR 09-0091]

Attributes	Description
format (Custom Defined Number Format)	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. …

167. §17.12.4, "description (Description for Entry)", p. 881, attribute val

[DR 09-0227]

Attributes	Description

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

168. §17.12.9, "gallery (Gallery Associated With Entry)", p. 888

[DR 09-0128]

```
<w:category>
  <w:name w:val="Internal Memo Covers" />
  <w:gallery w:val="coverPg" />
  <w:name w:val="Internal Memo Covers" />
</w:category>
```

169. §17.12.12, "name (Category Associated With Entry)", p. 891

[DR 09-0128]

```
<w:category>
  <w:name w:val="Internal Memo Covers" />
  <w:gallery w:val="coverPg" />
  <w:name w:val="Internal Memo Covers" />
</w:category>
```

170. §17.12.12, "name (Category Associated With Entry)", p. 891, attribute val

[DR 09-0227]

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

171. §17.12.14, "style (Associated Paragraph Style Name)", p. 894, attribute val

[DR 09-0227]

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

172. §17.13.4.2, "comment (Comment Content)", p. 905, attribute initials

[DR 09-0080]

Change "… application. _If there …" to "… application. If there …"

173. §17.13.4.2, "comment (Comment Content)", p. 905, attribute initials

[DR 09-0129]

[*Example*: Consider a comment represented using the following WordprocessingML fragment:

```
<w:comment w:id="1" w:initials="KB" w:author~~name~~="Krista Bendig">
  …
</w:comment>
```

The initials attribute specifies that the initials of the author of the current comment are KB, which can be used as desired. *end example*]

174. §17.13.5.13, "del (Deleted Math Control Character)", p. 949

[DR 09-0018]

[*Note*: The W3C XML Schema definition of this element's content model (CT_MathCtrlDel~~CT_RPrChange~~) is located in §A.1. *end note*]

175. §17.13.5.16, "ins (Inserted Math Control Character)", p. 957

[DR 09-0017]

[*Note*: The W3C XML Schema definition of this element's content model (CT_MathCtrlIns~~CT_RPrChange~~) is located in §A.1. *end note*]

176. §17.13.5.34, "tblPrChange (Revision Information for Table Properties)", p. 1014

[DR 08-0010]

```
<w:tblPr>
  …
  <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:tblLook w:val="04A0"w:firstRow="true" w:firstColumn="true"
      w:noVBand="true"/>
    </w:tblPr>
  </w:tblPrChange>
</w:tblPr>
```

177. §17.13.5.36, "tcPrChange (Revision Information for Table Cell Properties)", p. 1018

[DR 08-0011]

```
<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>
```

178. §17.14.3, "addressFieldName (Column Containing E-mail Address)", p. 1050, attribute val

[DR 09-0227]

Attributes	Description

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

179. §17.14.8, "connectString (Data Source Connection String)", p. 1056, attribute val

[DR 09-0227]

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

180. §17.14.21, "mailSubject (Merged E-mail or Fax Subject Line)", p. 1070, attribute val

[DR 09-0227]

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

181. §17.14.23, "mappedName (Predefined Merge Field Name)", p. 1072

[DR 09-0116]

```
<w:fieldMapData>
  <w:column w:val="0" />
  <w:name w:val="Column Name A" />
  <w:mappedName w:val="First Name" />
  <w:column w:val="0" />
…
</w:fieldMapData>
<w:fieldMapData>
  <w:column w:val="1" />
  <w:name w:val="Column Name B" />
  <w:mappedName w:val="Last Name" />
  <w:column w:val="1" />
  …
</w:fieldMapData>
```

182. §17.14.23, "mappedName (Predefined Merge Field Name)", p. 1073, attribute val

[DR 09-0227]

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1heading1" />`
	`</w:pPr>`
	
	…

183. §17.14.24, "name (Data Source Name for Column)", p. 1074, attribute val

[DR 09-0227]

Attributes	Description

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

184. §17.14.26, "query (Query For Data Source Records To Merge)", p. 1077, attribute val

[DR 09-0227]

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

185. §17.14.31, "table (Data Source Table Name)", p. 1084, attribute val

[DR 09-0227]

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

186. §17.14.34, "udl (UDL Connection String)", p. 1088, attribute val

[DR 09-0227]

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

187. §17.15.1.1, "activeWritingStyle (Grammar Checking Settings)", p. 1091

[DR 09-0117]

[*Example*: Consider the following WordprocessingML fragment from the document settings:

```
<w:activeWritingStyle w:lang="en-CA" w:vendorID="64" w:dllVersion="131078"
w:nlCheck="1" w:checkStyle="0" w:appName="testApp" />
```

The activeWritingStyle element's lang attribute specifies that the English (Canada) language setting for grammatical and stylistic checks must be applied; the vendorID attribute specifies information about the vendor associated with the DLL used to perform the grammatical and stylistic checks; the dllVersion attribute specifies the version of this DLL; the nlCheck attribute specifies if natural language checks were performed or not; ~~and~~ the checkStyle attribute specifies that the hosting application should allow its grammar engine to check both the grammar and style of the given WordprocessingML document, if that functionality is available; and the appName attribute indicates that an application called `testApp` specified the grammar checking rules of the given WordprocessingML. *end example*]

188. §17.15.1.5, "attachedSchema (Attached Custom XML Schema)", p. 1096, attribute val

[DR 09-0227]

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

189. §17.15.1.7, "autoCaption (Single Automatic Captioning Setting)", p. 1098

[DR 09-0109]

```
<w:captions>
  <w:caption w:name="Table" w:pos="below" w:chapNum="1" w:heading="2"
    w:numFmt="upperLetter" w:sep="hyphen~~8212~~" />
  <w:autoCaptions>
    <w:autoCaption w:name="wfwTable" w:caption="Table" />
  </w:autoCaptions>
</w:captions>
```

190. §17.15.1.8, "autoCaptions (Automatic Captioning Settings)", p. 1101

[DR 09-0109]

```
<w:captions>
  <w:caption w:name="Table" w:pos="below" w:chapNum="1" w:heading="2"
    w:numFmt="upperLetter" w:sep="hyphen~~8212~~" />
  <w:autoCaptions>
    <w:autoCaption w:name="wfwTable" w:caption="Table" />
  </w:autoCaptions>
</w:captions>
```

191. §17.15.1.11, "bookFoldPrinting (Book Fold Printing)", p. 1104

[DR 09-0133]

```
<w:pgMar w:header="0" w:top="1440" w:right="1440" w:bottom="1440" w:left="2160"
  w:footer="720" w:gutter="0" />
```

192. §17.15.1.13, "bookFoldRevPrinting (Reverse Book Fold Printing)", p. 1108

[DR 09-0133]

```
<w:pgMar w:header="0" w:top="1440" w:right="1440" w:bottom="1440" w:left="2160"
  w:footer="720" w:gutter="0" />
```

193. §17.15.1.16, "caption (Single Caption Type Definition)", p. 1114, attribute chapNum

[DR 09-0109]

```
<w:caption w:name="Table" w:pos="below" w:chapNum="true"
```

```
w:heading="2" w:numFmt="upperLetter" w:sep="hyphen~~8212~~" />
```

194. §17.15.1.16, "caption (Single Caption Type Definition)", p. 1115, attribute heading

[DR 09-0109]

```
<w:caption w:name="Table" w:pos="below" w:chapNum="1"
w:heading="2" w:numFmt="upperLetter" w:sep="hyphen~~8212~~" />
```

In other words, the WordprocessingML above can be used to label tables inserted in a given WordprocessingML document generated by an application with a caption consisting of: the string `Table` followed by a decimal number corresponding with the chapter number in which the table is present, a hyphen~~dash~~ as defined in the sep attribute, and a capital English letter defined by the numFmt attribute corresponding with the given table's ordering within the current chapter. *end example*]

195. §17.15.1.18, "captions (Caption Settings)", p. 1122

[DR 09-0109]

```
<w:caption w:name="Table" w:pos="below" w:chapNum="1" w:heading="2"
w:numFmt="upperLetter" w:sep="hyphen~~8212~~" />
```

196. §17.15.1.19, "clickAndTypeStyle (Paragraph Style Applied to Automatically Generated Paragraphs)", p. 1125, attribute val

[DR 09-0227]

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

197. §17.15.1.23, "decimalSymbol (Radix Point for Field Code Evaluation)", p. 1133, attribute val

[DR 09-0227]

Attributes	Description

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

198. §17.15.1.24, "defaultTableStyle (Default Table Style for Newly Inserted Tables)", p. 1134, attribute val

[DR 09-0227]

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

199. §17.15.1.29, "documentProtection (Document Editing Restrictions)", p. 1144

[DR 09-0085]

```
<w:style w:type="paragraph" w:styleId="Heading1">
  <w:name w:val="~~h~~Heading 1" />
  <w:locked w:val="1" />
  …
</w:style>
```

200. §17.15.1.44, "drawingGridHorizontalOrigin (Drawing Grid Horizontal Origin Point)", p. 1158

[DR 09-0112]

```
<w:settings>
  …
  <w:do~~n~~Notuse MarginsForDrawingGridOrigin w:val="true" />
  <w:drawingGridHorizontalOrigin w:val="4320" />
  …
</w:settings>
```

The drawingGridHorizontalOrigin element's val attribute is equal to `4320` specifying that the horizontal edge of the document's drawing grid must begin three inches (4320 twentieths of a point) from the left edge of the page, since the do~~n~~NottUseMarginsForDrawingGridOrigin element's val attribute is equal to `true`. *end example*]

201. §17.15.1.46, "drawingGridVerticalOrigin (Drawing Grid Vertical Origin Point)", p. 1160

[DR 09-0112]

[*Example*: Consider a WordprocessingML document whose drawing grid must begin one inch (1440 twentieths of a point) before the top edge of the page. This requirement would be specified using the following WordprocessingML markup in the document settings:

```
<w:settings>
  …
  <w:do~~n~~NotuseMarginsForDrawingGridOrigin w:val="true" />
  <w:drawingGridVerticallOrigin w:val="1440" />
  …
</w:settings>
```

The drawingGridVerticalOrigin element's val attribute is equal to `1440` specifying that the vertical edge of the document's drawing grid must begin one inch (1440 twentieths of a point) from the top edge of the page, since the do~~n~~NottUseMarginsForDrawingGridOrigin element's val attribute is equal to `true`. *end example*]

202. §17.15.1.54, "ignoreMixedContent (Ignore Mixed Content When Validating Custom XML Markup)", p. 1168

[DR 09-0155]

~~[*Example*: Consider a WordprocessingML document which should not have its custom XML content validated even by applications which support this operation. This requirement is specified using the following WordprocessingML in the document settings:~~

```
<w:doNotValidateAgainstSchema w:val="true" />
```

~~The doNotValidateAgainstSchema element's val attribute has a value of `true` specifying that the custom XML markup in this document must not be validated. *end example*]~~

[*Example*: Consider a WordprocessingML document that contains the following markup:

```
<w:customXml w:element="invoice" w:uri="http://www.example.com/invoice">
  <w:p>
    <w:r>
      <w:t>Invoice #:</w:t>
    </w:r>
    <w:customXml w:element="id" w:uri="http://www.example.com/invoice">
      <w:r>
        <w:t>012345</w:t>
      </w:r>
    </w:customXml>
  </w:p>
  <w:p>
    <w:r>
      <w:t>Invoice Date:</w:t>
    </w:r>
    <w:customXml w:element="date" w:uri="http://www.example.com/invoice">
      <w:r>
        <w:t>01/29/2009</w:t>
      </w:r>
    </w:customXml>
  </w:p>
</w:customXml>
```

If all the custom markup is extracted from the document, that markup would include all content in the document, i.e.:

```
<invoice xmlns="http://www.example.com/invoice">
  Invoice #:
  <id>012345</id>
  Invoice Date
  <date>01/29/2009</date>
</invoice>
```

However, if the ignoreMixedContent element is present with a val attribute value of `true` (or equivalent) then an application should ignore all text nodes in elements with mixed content, i.e.:

```
<invoice xmlns="http://www.example.com/invoice">
  <id>012345</id>
  <date>01/29/2009</date>
</invoice>
```

end example]

203. §17.15.1.56, "listSeparator (List Separator for Field Code Evaluation)", p. 1169, attribute val

[DR 09-0227]

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

204. §17.15.1.57, "mirrorMargins (Mirror Page Margins)", p. 1170

[DR 09-0200]

This element specifies that the left and right margins defined in the section properties shall be swapped on facing pages. [*Note:* Page numbering can be set arbitrarily, so the flip might not always be on the even-numbered pages. *end note*]

205. §17.15.1.64, "printTwoOnOne (Print Two Pages Per Sheet)", p. 1177

[DR 09-0133]

```
<w:pgMar w:header="0" w:top="2160" w:right="1440" w:bottom="1440" w:left="1440"
  w:footer="720" w:gutter="0" />
```

206. §17.15.1.74, "saveInvalidXml (Allow Saving Document As XML File When Custom XML Markup Is Invalid)", p. 999

[DR 09-0198]

This element specifies that this document should be capable of being saved into a format consisting of a single XML file (not defined by ISO/IEC 29500) even when its contents are invalid based XML schema validation of the custom XML markup contained in the document.

207. §17.15.1.77, "saveXmlDataOnly (Only Save Custom XML Markup)", p. 1194

[DR 09-0084]

[*Example*: …

```
<w:body>
  <w:p>
    <w:customXml w:element="root" w:namespaceuri="urn:example">
      <w:r>
        <w:t>Hello, world</w:t>
      </w:r>
    </w:customXml>
  </w:p>
</w:body>
```

The presence of this element specifies that the resulting document only contains the custom Xml markup, resulting in the following:

```
<ns0:root xmlns:ns0="urn:example">Hello, world</ns0:root>
```

end example]

208. §17.15.1.77, "saveXmlDataOnly (Only Save Custom XML Markup)", p. 1194

[DR 09-0136]

```
<w:customXml w:element="root" w:namespaceuri="urn:example">
  <w:r>
    <w:t>Hello world</w:t>
  </w:r>
</w:customXml>
```

209. §17.15.1.93, "writeProtection (Write Protection)", p. 1213

[DR 09-0113]

[*Example*: Consider a WordprocessingML document that can be opened but only in a write protected state unless a password isprovided , in which case the file would be opened in an editable state. This requirement would be specified using the following WordprocessingML in the document settings:

```
<w:writeProtection w:hashValue="9oN7nWkCAyEZib1RomSJTjmPpCY=" />
```

If the attributes specified in the password attribute group AG_Password (§xx) are present, then the application shall require a password to exit write protection. If the supplied password does not match the hash value in the attribute hashValue, then write protection shall be enabled.~~The writeProtection element is present which specifies that write protection must be turned on for this document. Since the password attribute is equal to 9oN7nWkCAyEZib1RomSJTjmPpCY= the given WordprocessingML document can only be opened in a write protected state unless a password which matches the hash value 9oN7nWkCAyEZib1RomSJTjmPpCY=is provided; in which case the file would be opened in an editable state.~~ *end example*]

210. §17.15.2, "Web Page Settings", p. 1219

[DR 09-0062]

[*Example*: Consider the following WordprocessingML fragment for the web page settings in a WordprocessingML document:

…

The webSettings element contains all of the web page settings for this document. In this case, the web page settings specified for this document are: a frameset defined using the frameset element (§xx); and a setting specifying that when this file is saved as a web page, all resulting files must not exceed 8.3 ~~characters~~octets in length using the doNotUseLongFileNames element (§xx). *end example*]

211. §17.15.2.13, "doNotUseLongFileNames", p. 1237

[DR 09-0062]

This element specifies that applications shall ensure that the file names for all files generated when saving this document as a web page do not exceed eight ~~characters~~octets with a three ~~character~~octet extension. This includes all supporting files (images which are part of this HTML web page, etc.). The file names generated are not case-sensitive.

[*Example*: Consider a WordprocessingML document which contains the following content within the web settings part:

…

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~~octet file name limitation. *end example*]

212. §17.15.2.14, "encoding (Output Encoding When Saving as Web Page)", p. 1239, attribute val

[DR 09-0227]

Attributes	Description

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

213. §17.15.2.17, "frameLayout (Frameset Layout)", p. 1244, attribute val

[DR 09-0130]

```
<w:frameset>
  <w:frameLayout w:val="cols" />
  …
</w:frameset>
```

214. §17.15.2.30, "name (Frame Name)", p. 1265, attribute val

[DR 09-0227]

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

215. §17.15.2.40, "sz (Frame Size)", p. 1280, attribute val

[DR 09-0227]

Attributes	Description

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

216. §17.15.2.41, "sz (Nested Frameset Size)", p. 1281, attribute val

[DR 09-0227]

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

217. §17.15.2.43, "title (Frame or Frameset Title)", p. 1284, attribute val

[DR 09-0227]

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

218. §17.15.2.46, "webSettings (Web Page Settings)", p. 1288

[DR 09-0062]

[*Example*: Consider the following WordprocessingML fragment for the web page settings in a WordprocessingML document:

…

The webSettings element contains all of the web page settings for this document. In this case, the web page settings specified for this document are: a frameset defined using the frameset element (§xx); and a setting specifying that when this file is saved as a web page, all resulting files must not exceed 8.3 ~~characters~~octets in length using the doNotUseLongFileNames element (§xx). *end example*]

219. §17.16.1, "Syntax", p. 1301

[DR 09-0076]

numbering=~~<blank line>~~"LISTNUM", [field-argument] | …

220. §17.16.1, "Syntax", p. 1303

[DR 09-0171]

```
double-quote=
'–"–' ; (* one double-quote character *)
```

221. §17.16.1, "Syntax", p. 1304

[DR 09-0101]

```
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" ;
```

222. §17.16.5, "Field definitions", p. 1341, category User Information

[DR 09-0080]

Change "… a user_account under which the document is manipulated._[*Note*: These …" to a user account under which the document is manipulated. [*Note*: These …"

223. §17.16.5.1, "ADDRESSBLOCK", p. 1342, switch \d

[DR 09-0080]

Change "… the recipient_as defined …" to "… the recipient as defined …"

224. §17.16.5.1, "ADDRESSBLOCK", p. 1342, switch \f

[DR 09-0080]

Change "… placeholders_in the …" to "… placeholders in the …"

225. §17.16.5.1, "ADDRESSBLOCK", p. 1343, switch \l

[DR 09-0080]

Change "… document._This language …" to "… document. This language …"

226. §17.16.5.13, "DATE", p. 1353, switch \l

[DR 09-0089]

\l	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.

227. §17.16.5.18, "FILESIZE", p. 1358

[DR 08-0009]

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

228. §17.16.5.33, "LISTNUM", p. 1369

[DR 09-0081]

Description: … specific level …

229. §17.16.5.49, "QUOTE", p. 1382

[DR 09-0087]

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

230. §17.16.10, "default (Default Text Box Form Field String)", p. 1406, attribute val

[DR 09-0227]

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

231. §17.16.17, "ffData (Form Field Properties)", p. 1413

[DR 09-0063]

[*Example*: Consider the following WordprocessingML fragment for a text box form field:

…

The ffData element specifies the set of properties for this text box form field; in this example, a form field name of TestTextBox via the name element (§17.16.27), a disabled state via the enabled element (§17.16.14), and a maximum character length of 10 Unicode scalar values~~characters~~ via the maxLength element (§17.16.26). *end example*]

232. §17.16.18, "fldChar (Complex Field Character)", p. 1415

[DR 09-0134]

```
<w:body>
  <w:p>
    <w:r>
      <w:fldChar w:fldCharType="begin~~start~~" />
    </w:r>
  …
</w:body>
```

233. §17.16.18, "fldChar (Complex Field Character)", p. 1416, attribute dirty

[DR 09-0134]

```
<w:r>
  <w:fldChar w:fldCharType="begin~~start~~" w:dirty="true"/>
</w:r>
```

234. §17.16.18, "fldChar (Complex Field Character)", p. 1417, attribute fldLock

[DR 09-0134]

```
<w:r>
  <w:fldChar w:fldCharType="beginstart" w:fldLock="true"/>
</w:r>
```

235. §17.16.19, "fldSimple, Simple Field", p. 1418

[DR 09-0011]

Parent Elements
bdo (§xx); customXml (§xx); deg (§22.1.2.26); den (§22.1.2.28); dir (§xx); e (§22.1.2.32); fldSimple (§xx); fName (§22.1.2.37); hyperlink (§xx); lim (§22.1.2.52); num (§22.1.2.75); oMath (§22.1.2.77); p (§xx); sdtContent (§xx); smartTag (§xx); sub (§22.1.2.112); sup (§22.1.2.114)

236. §17.16.20, "format (Text Box Form Field Formatting)", p. 1421, attribute val

[DR 09-0227]

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1heading1" />`
	`</w:pPr>`
	
	…

237. §17.16.22, "hyperlink, Hyperlink", p. 1424

[DR 09-0011]

Parent Elements
bdo (§xx); customXml (§xx); deg (§22.1.2.26); den (§22.1.2.28); dir (§xx); e (§22.1.2.32); fldSimple (§xx); fName (§22.1.2.37); hyperlink (§xx); lim (§22.1.2.52); num (§22.1.2.75); oMath (§22.1.2.77); p (§xx); sdtContent (§xx); smartTag (§xx); sub (§22.1.2.112); sup (§22.1.2.114)

238. §17.16.25, "listEntry (Drop-Down List Entry)", p. 1432, attribute val

[DR 09-0227]

Attributes	Description

val (String Value)	…
	
	[*Example*: Consider the following WordprocessingML fragment:
	
	`<w:pPr>`
	`  <w:pStyle w:val="Heading1~~heading1~~" />`
	`</w:pPr>`
	
	…

239. §17.18.3, "ST_BrClear (Line Break Text Wrapping Restart Location)", pp. 1508–1509

[DR 09-0072]

Enumeration Value	Description
left (Restart In Next Text Region Left to Right)	Specifies that the text wrapping break shall behave as follows when this line intersects a floating object: If the parent paragraph is left-to-right: • … • Otherwise, treat this as a text wrapping break of ~~style~~type none. If the parent paragraph is right to left: If the object occurs to the left of the break, treat this as a break of ~~style~~type `all`. • Otherwise, treat this as a text wrapping break of type none. In either case, if this line does not intersect a floating object, then treat this break as a text wrapping break of ~~style~~type none.

Enumeration Value	Description

right (Restart In Next Text Region Right to Left)	Specifies that the text wrapping break shall behave as follows when this line intersects a floating object:
	
	If the parent paragraph is left-to-right:
	• If the object occurs to the right of the break, treat this as a break of ~~style~~type `all`.
	• Otherwise, treat this as a text wrapping break of ~~style~~type none.
	If the parent paragraph is right to left:
	• If this is the rightmost region of text flow currently on this line,
	  • If a floating object occurs to the right of the break, treat this as a break of ~~style~~type `all`.
	  • Otherwise, advance the text to the next position on the line where text can be displayed
	• Otherwise, treat this as a text wrapping break of ~~style~~type none.
	
	In either case, if this line does not intersect a floating object, then treat this break as a text wrapping break of ~~style~~type none.
	If the parent paragraph is right to left, then these behaviors are also reversed.
	
	…

240. §17.18.3, "ST_BrClear (Line Break Text Wrapping Restart Location)", p. 1509

[DR 09-0073]

Enumeration Value	Description
right (Restart In Next Text Region Right to Left)	… In either case, if this line does not intersect a floating object, then treat this break as a text wrapping break of style none. ~~If the parent paragraph is right to left, then these behaviors are also reversed.~~ ~~[*Note*: This break type is used to control the text wrapping on the right side of a floating image without preventing text from appearing on the opposite side. *end note*]~~

241. §17.18.16, "ST_DocPartGallery (Entry Gallery Types)", p. 1523

[DR 09-0128]

```
<w:category>
  <w:name w:val="Internal Memo Covers" />
  <w:gallery w:val="coverPg" />
  <w:name w:val="Internal Memo Covers" />
</w:category>
```

242. §17.18.25, "ST_FFHelpTextVal", p. 1534

[DR 09-0064]

This simple type also specifies the following restrictions:

- This simple type's contents have a maximum length of 256 Unicode scalar values~~characters~~.

243. §17.18.26, ST_FFName, p. 1535

[DR 09-0065]

This simple type also specifies the following restrictions:

- This simple type's contents have a maximum length of 65 Unicode scalar values~~characters~~.

244. §17.18.44, "ST_Jc (Horizontal Alignment Type)", p. 1554

[DR 09-0201]

[*Example*: … The val attribute's value of ~~right~~end specifies that the content must be right-aligned on the page for a left-to-right paragraph, and left-justfied for a right-to-left paragraph. *end example*]

245. §17.18.51, "ST_MacroName", p. 1563

[DR 09-0066]

This simple type also specifies the following restrictions:

- This simple type's contents have a maximum length of 33 Unicode scalar values~~characters~~.

246. §17.18.57, "ST_Merge (Merged Cell Type)", pp. 1569–1570

[DR 09-0115]

```
<w:tc>
  <w:tcPr>
    <w:vMmerge w:val="restart"/>
  </w:tcPr>
  …
</w:tc>
…
<w:tc>
  <w:tcPr>
    <w:vMmerge w:val="continue"/>
  </w:tcPr>
  …
</w:tc>
…
<w:tc>
  <w:tcPr>
    <w:vMmerge w:val="continue"/>
  </w:tcPr>
  …
</w:tc>
```

The val attribute of type ST_Merge on the vMmerge element defines the cells thatwhich are vertically merged, and how each cell is merged together. *end example*]

247. §17.18.59, "ST_NumberFormat (Numbering Format)", p. 1574, enumeration value arabicAlpha

[DR 09-0080]

Change "… alphabet_from the …" to "… alphabet from the …"

248. §17.18.59, "ST_NumberFormat (Numbering Format)", p. 1584, enumeration value decimalFullWidth2

[DR 09-0092]

Enumeration Value	Description

Enumeration Value	Description
~~decimalFullWidth2 (Full Width Arabic Numerals Alternate)~~	~~Specifies that the sequence shall consist of a set of full-width Arabic numbering.~~ ~~To determine the text that is displayed for any value, this sequence specifies a set of characters that represent positions 1–9 and then those same characters are combined with each other and 0 (represents the number zero) to construct the remaining values.~~ ~~The set of characters used by this numbering format for values 0–9 is U+FF10–U+FF19, respectively.~~ ~~For values greater than the size of the set, the number is constructed by following these steps:~~ ~~1. Divide the value by 10 and write the symbol which represents the remainder.~~ ~~2. Divide the quotient of the previous division by 10 and write the symbol, which represents the remainder, to the left of the existing position.~~ ~~3. Repeat step 2 until the remaining value is equal to zero.~~ ~~[*Example*: The numbering for the items should be represented by the following pattern: 1, 2, 3, …, 8, 9, 10, 11, 12, …, 18, 19, 20, 21, … *end example*]~~

249. §17.18.59, "ST_NumberFormat (Numbering Format)", p. 1587, enumeration value hebrew1

[DR 09-0080]

Change "_To determine …" to "To determine …"

250. §17.18.59, "ST_NumberFormat (Numbering Format)", p. 1590, enumeration value hindiConsonants

[DR 09-0080]

Change "… consonant_from …" to "… consonant from …"

251. §17.18.59, "ST_NumberFormat (Numbering Format)", p. 1591, enumeration value hindiNumbers

[DR 09-0080]

Change "… number_from …" to "… number from …"

252. §17.18.59, "ST_NumberFormat (Numbering Format)", p. 1592, enumeration value hindiVowels

[DR 09-0080]

Change "… vowel_from …" to "… vowel from …"

253. §17.18.59, "ST_NumberFormat (Numbering Format)", p. 1613, enumeration value thaiLetters

[DR 09-0080]

Change "… letter_ from …" to "… letter from …"

254. §17.18.78, "ST_Shd (Shading Patterns)", p. 1633

[DR 09-0094]

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

This pattern consists of a mask thatwhich 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.

255. §17.18.84, "ST_TabJc (Custom Tab Stop Type)", p. 1651

[DR 09-0108]

```
<w:tab w:val="startleft" w:pos="2160" />
```

256. §17.18.93, "ST_TextDirection (Text Flow Direction)", p. 1665

[DR 09-0111]

[*Example*: Consider an object in which text must be oriented vertically, flowing from left to right horizontally on the page. flow bottom to top vertically, and left to right horizontally. Thise is achieved by using an lrbtLr value in an element of type ST_TextDirection specifies that the text flow must go bottom to top, and left to right. *end example*]

257. §17.18.93, "ST_TextDirection (Text Flow Direction)", p. 1665

[DR 09-0074]

Attributes	Description
lrV (Lines Flow From Left to Right Rotated)	Specifies that text in the parent object shall be oriented vertically, flowing from left to right horizontally on the page. This means that vertical lines are filled before the text expands horizontally. This flow is also rotated clockwise such that text which is not in an East Asian script is rotated 90 degrees when displayed on a page.

258. §17.18.93, "ST_TextDirection (Text Flow Direction)", p. 1666

[DR 09-0075]

Attributes	Description
rlV (Lines Flow From Right to Left Rotated)	Specifies that text in the parent object shall be oriented vertically, flowing from right to left horizontally on the page. This means that vertical lines are filled before the text expands horizontally. This flow is also rotated such that text which is not in an East Asian script is rotated 90 degrees ~~counter~~ clockwise when displayed on a page.

259. §17.18.95, "ST_TextScale (Text Expansion/Compression Percentage)", p. 1668

[DR 09-0202]

[*Example*: …

Consider a run of text which must be compressed to 200% when displaying each character within the contents of the run. This constraint is specified using the following WordprocessingML:

```
<w:rPr>
  <w:w w:val="50%"/>
</w:rPr>
```

This run explicitly declares that the w value is 50%, so the contents of this run appear at 50% of their normal character width by compressing the width of each character. *end example*]

This simple type~~'s contents are a restriction of the W3C XML Schema integer datatype.~~ is a union of the following types:

- The ST_TextScalePercent simple type (§xx).

~~This 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 600.~~

260. §17.18.98, "ST_UcharHexNumber (Two Digit Hexadecimal Value)", p. 1672

[DR 09-0093]

[*Example*: Consider the following value for a node of type ST_Uchar~~Long~~HexNumber: BE. … *end example*]

261. §17.18.106, "ST_TextScalePercent (Text Expansion/Compression Percentage), new subclause

[DR 09-0202]

This simple type specifies that the percentage by which the contents of a run shall be expanded or compressed with respect to its normal (100%) character width, with a minimum width of 1% and maximum width of 600%.

[*Example*: Consider a run of text which must be compressed to 200% when displaying each character within the contents of the run. This constraint is specified using the following WordprocessingML:

```
<w:rPr>
  <w:w w:val="50%"/>
</w:rPr>
```

This run explicitly declares that the w value is 50%, so the contents of this run appear at 50% of their normal character width by compressing the width of each character. *end example*]

This simple type also specifies the following restrictions:

- This simple type's contents shall match the following regular expression pattern: 0*(600|([0-5]?[0-9]?[0-9]))%.

Referenced By
ST_TextScale (§17.18.95)

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

262. §17.18.107, "ST_MeasurementOrPercent (Measurement or Percentage Value)", new subclause

[DR 09-0246]

This simple type specifies the possible values for a table measurement, which can be percentage-based or absolute. See the union's member types for details.

This simple type is a union of the following types:

The ST_DecimalNumberOrPercent simple type (§17.18.11).
The ST_UniversalMeasure simple type (§22.9.2.15).

Referenced By
CT_TblWidth (§17.4.88)

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

263. §18.2.3, "customWorkbookView (Custom Workbook View)", p. 1709–1710, attribute autoUpdate

[DR 09-0080]

Change "… that if_the …" to "… that if the …"

Change "… the_spreadsheet …" to "… the spreadsheet …"

264. §18.2.5, "definedName (Defined Name)", p. 1719, new attribute

[DR 09-0026]

Attributes	Description
xml:space (Content Contains Significant Whitespace) Namespace: http://www.w3.org/XML/1998/namespace	Specifies how white space should be handled for the contents of this element using the W3C space preservation rules. The possible values for this attribute are defined by §2.10 of the XML 1.0 specification.

265. §18.2.20, "sheets (Sheets)", p. 1733

[DR 09-0135]

```
<sheets>
  <sheet name="Sheet1" sheetId="1" r:id="rId1"/>
  <sheet name="Sheet2" sheetId="2" r:id="rId2"/>
  <sheet name="Sheet5" sheetId="3" r:id="rId3"/>
  <sheet name="Chart1" sheetId="4" type="chartsheet" r:id="rId4"/>
</sheets>
```

266. §18.2.24, "webPublishing", p. 1736

[DR 09-0067]

Attributes	Description

Attributes	Description
longFileNames (Enable Long File Names)	Specifies a boolean value that indicates whether the application allows file names longer than 8 ~~characters~~octets for Web pages. File names are not case-sensitive. The possible values for this attribute are defined by the W3C XML Schema boolean datatype.

267. §18.2.27, "workbook (Workbook)", p. 1739

[DR 09-0135]

```
<sheets>
  <sheet name="Sheet1" sheetId="1" r:id="rId1"/>
  <sheet name="Sheet2" sheetId="2" r:id="rId2"/>
  <sheet name="Sheet5" sheetId="3" r:id="rId3"/>
  <sheet name="Chart1" sheetId="4" ~~type="chartsheet"~~ r:id="rId4"/>
</sheets>
```

268. §18.3.1.2, "autoFilter (AutoFilter Settings)", p. 1758

[DR 09-0150]

[*Example*: … The filter is being applied to the range B3:E8, and the criteria is being applied to values in the column whose ~~colId='1'~~ colId is 1 (zero based column numbering, from left to right). …

269. §18.3.1.3, "brk (Break)", p. 1759, attribute man

[DR 09-0150]

Attributes	Description
man (Manual Page Break)	Manual Break flag. ~~'~~1~~'~~ means the break is a manually inserted break. …

270. §18.3.1.10, "cfRule (Conditional Formatting Rule)", pp. 1765–1766, various attributes

[DR 09-0150]

Attributes	Description
aboveAverage (Above Or Below Average)	Indicates whether the rule is an "above average" rule. ~~'~~1~~'~~ indicates 'above average'. This attribute is ignored if type is not equal to aboveAverage. …

Attributes	Description
bottom (Bottom N)	Indicates whether a "top/bottom n" rule is a "bottom n" rule. '1' indicates 'bottom'. This attribute is ignored if type is not equal to `top10`. …
equalAverage (Equal Average)	Flag indicating whether the 'aboveAverage' and 'belowAverage' criteria is inclusive of the average itself, or exclusive of that value. '1' indicates to include the average value in the criteria. This attribute is ignored if type is not equal to `aboveAverage`. …
priority (Priority)	The priority of this conditional formatting rule. This value is used to determine which format should be evaluated and rendered. Lower numeric values are higher priority than higher numeric values, where '1' is the highest priority. …
stopIfTrue (Stop If True)	If this flag is '1', no rules with lower priority shall be applied over this rule, when this rule evaluates to true. …

271. §18.3.1.11, "cfvo (Conditional Format Value Object)", p. 1768, attribute gte

[DR 09-0150]

Attributes	Description
gte (Greater Than Or Equal)	For icon sets, determines whether this threshold value uses the greater than or equal to operator. '0' indicates 'greater than' is used instead of 'greater than or equal to'. …

272. §18.3.1.25, "customSheetView (Custom Sheet View)", p. 1786

[DR 09-0097]

Attributes	Description
showAutoFilter (Show AutoFiltlter Drop Down Controls)	…

273. §18.3.1.29, "dataConsolidate (Data Consolidate)", p. 1790, new attribute

[DR 09-0026]

Attributes	Description

Attributes	Description
xml:space (Content Contains Significant Whitespace) Namespace: http://www.w3.org/XML/1998/namespace	Specifies how white space should be handled for the contents of this element using the W3C space preservation rules. The possible values for this attribute are defined by §2.10 of the XML 1.0 specification.

274. §18.3.1.32, "dataValidation (Data Validation)", p. 1791, attribute allowBlank

[DR 09-0150]

Attributes	Description
allowBlank (Allow Blank)	A boolean value indicating whether the data validation allows the use of empty or blank entries. '1' means empty entries are OK and do not violate the validation constraints. …

275. §18.3.1.38, "evenFooter (Even Page Footer)", p. 1802, new attribute

[DR 09-0026]

Attributes	Description
xml:space (Content Contains Significant Whitespace) Namespace: http://www.w3.org/XML/1998/namespace	Specifies how white space should be handled for the contents of this element using the W3C space preservation rules. The possible values for this attribute are defined by §2.10 of the XML 1.0 specification.

276. §18.3.1.39, "evenHeader", p. 1804

[DR 09-0050]

&"*font name*,*font type*" - code for "text font name" and "text font type", where *font name* and *font type* are strings specifying the name and type of the font, separated by a comma. When a hyphen appears in *font name*, it means "none specified". Both of *font name* and *font type* can be localized values. Although ISO/IEC 14496-22 permits commas in font family/subfamily/full names, name and font type, the lexically first comma in the string is the one recognized as the separating comma.

277. §18.3.1.40, "f (Formula)", p. 1806, attribute aca

[DR 09-0080]

Change "… needed._The …" to "… needed. The …"

278. §18.3.1.40, "f (Formula)", p. 1807, attribute r2

[DR 09-0150]

Attributes	Description
r2 (Input Cell 2)	Second input cell for data table when dt2D is '1'. Only applies to the data tables array function "TABLE()".Written on master cell of data table formula only. …

279. §18.3.1.40, "f (Formula)", p. 1808, new attribute

[DR 09-0026]

Attributes	Description
xml:space (Content Contains Significant Whitespace) Namespace: http://www.w3.org/XML/1998/namespace	Specifies how white space should be handled for the contents of this element using the W3C space preservation rules. The possible values for this attribute are defined by §2.10 of the XML 1.0 specification.

280. §18.3.1.41, "firstFooter (First Page Footer)", p. 1808

[DR 09-0150]

First page footer content. Only used when `headerFooter@differentFirst` is '1'.

281. §18.3.1.41, "firstFooter (First Page Footer)", p. 1808, new attribute

[DR 09-0026]

Attributes	Description
xml:space (Content Contains Significant Whitespace) Namespace: http://www.w3.org/XML/1998/namespace	Specifies how white space should be handled for the contents of this element using the W3C space preservation rules. The possible values for this attribute are defined by §2.10 of the XML 1.0 specification.

282. §18.3.1.42, "firstHeader (First Page Header)", p. 1808

[DR 09-0150]

First page header content. Only used when `headerFooter@differentFirst` is '1'.

283. §18.3.1.42, "firstHeader (First Page Header)", p. 1809, new attribute

[DR 09-0026]

Attributes	Description
xml:space (Content Contains Significant Whitespace) Namespace: http://www.w3.org/XML/1998/namespace	Specifies how white space should be handled for the contents of this element using the W3C space preservation rules. The possible values for this attribute are defined by §2.10 of the XML 1.0 specification.

284. §18.3.1.43, "formula (Formula)", p. 1809, new attribute

[DR 09-0026]

Attributes	Description
xml:space (Content Contains Significant Whitespace) Namespace: http://www.w3.org/XML/1998/namespace	Specifies how white space should be handled for the contents of this element using the W3C space preservation rules. The possible values for this attribute are defined by §2.10 of the XML 1.0 specification.

285. §18.3.1.44, "formula1 (Formula 1)", p. 1809, new attribute

[DR 09-0026]

Attributes	Description
xml:space (Content Contains Significant Whitespace) Namespace: http://www.w3.org/XML/1998/namespace	Specifies how white space should be handled for the contents of this element using the W3C space preservation rules. The possible values for this attribute are defined by §2.10 of the XML 1.0 specification.

286. §18.3.1.45, "formula2 (Formula 2)", p. 1810, new attribute

[DR 09-0026]

Attributes	Description

Attributes	Description
xml:space (Content Contains Significant Whitespace) Namespace: http://www.w3.org/XML/1998/namespace	Specifies how white space should be handled for the contents of this element using the W3C space preservation rules. The possible values for this attribute are defined by §2.10 of the XML 1.0 specification.

287. §18.3.1.49, "iconSet (Icon Set)", p. 1813, attribute reverse

[DR 09-0150]

Attributes	Description
reverse (Reverse Icons)	If '1', reverses the default order of the icons in this icon set. …

288. §18.3.1.57, "oddFooter (Odd Page Footer)", p. 1823, new attribute

[DR 09-0026]

Attributes	Description
xml:space (Content Contains Significant Whitespace) Namespace: http://www.w3.org/XML/1998/namespace	Specifies how white space should be handled for the contents of this element using the W3C space preservation rules. The possible values for this attribute are defined by §2.10 of the XML 1.0 specification.

289. §18.3.1.58, "oddHeader (Odd Header)", p. 1823, new attribute

[DR 09-0026]

Attributes	Description
xml:space (Content Contains Significant Whitespace) Namespace: http://www.w3.org/XML/1998/namespace	Specifies how white space should be handled for the contents of this element using the W3C space preservation rules. The possible values for this attribute are defined by §2.10 of the XML 1.0 specification.

290. §18.3.1.63, "pageSetup (Page Setup Settings)", p. 1827

[DR 09-0095]

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

291. §18.3.1.63, “pageSetup (Page Setup Settings)”, p. 1830

[DR 09-0095]

When paperHeight, and paperWidth, and paperUnits are specified, paperSize should be ignored.

292. §18.3.1.63, “pageSetup (Page Setup Settings)”, p. 1830, attribute paperSize

[DR 09-0232]

Attributes	Description
paperSize (Paper Size)	Paper size 1 = Letter paper (8.5 in. by 11 in.) … 68 = A3 extra transverse paper (322 mm by 445 mm) 69 = Japanese Double Postcard (200 mm x 148 mm) 70 = A6 (105 mm x 148 mm) 71 = Japanese Envelope Kaku #2 72 = Japanese Envelope Kaku #3 73 = Japanese Envelope Chou #3 74 = Japanese Envelope Chou #4 75 = Letter Rotated (11in x 8 1/2 11 in) 76 = A3 Rotated (420 mm x 297 mm) 77 = A4 Rotated (297 mm x 210 mm) 78 = A5 Rotated (210 mm x 148 mm) 79 = B4 (JIS) Rotated (364 mm x 257 mm) 80 = B5 (JIS) Rotated (257 mm x 182 mm) 81 = Japanese Postcard Rotated (148 mm x 100 mm)

	82 = Double Japanese Postcard Rotated (148 mm x 200 mm) 83 = A6 Rotated (148 mm x 105 mm) 84 = Japanese Envelope Kaku #2 Rotated 85 = Japanese Envelope Kaku #3 Rotated 86 = Japanese Envelope Chou #3 Rotated 87 = Japanese Envelope Chou #4 Rotated 88 = B6 (JIS) (128 mm x 182 mm) 89 = B6 (JIS) Rotated (182 mm x 128 mm) 90 = (12 in x 11 in) 91 = Japanese Envelope You #4 92 = Japanese Envelope You #4 Rotated 93 = PRC 16K (146 mm x 215 mm) 94 = PRC 32K (97 mm x 151 mm) 95 = PRC 32K(Big) (97 mm x 151 mm) 96 = PRC Envelope #1 (102 mm x 165 mm) 97 = PRC Envelope #2 (102 mm x 176 mm) 98 = PRC Envelope #3 (125 mm x 176 mm) 99 = PRC Envelope #4 (110 mm x 208 mm) 100 = PRC Envelope #5 (110 mm x 220 mm) 101 = PRC Envelope #6 (120 mm x 230 mm) 102 = PRC Envelope #7 (160 mm x 230 mm) 103 = PRC Envelope #8 (120 mm x 309 mm) 104 = PRC Envelope #9 (229 mm x 324 mm) 105 = PRC Envelope #10 (324 mm x 458 mm) 106 = PRC 16K Rotated

	107 = PRC 32K Rotated 108 = PRC 32K(Big) Rotated 109 = PRC Envelope #1 Rotated (165 mm x 102 mm) 110 = PRC Envelope #2 Rotated (176 mm x 102 mm) 111 = PRC Envelope #3 Rotated (176 mm x 125 mm) 112 = PRC Envelope #4 Rotated (208 mm x 110 mm) 113 = PRC Envelope #5 Rotated (220 mm x 110 mm) 114 = PRC Envelope #6 Rotated (230 mm x 120 mm) 115 = PRC Envelope #7 Rotated (230 mm x 160 mm) 116 = PRC Envelope #8 Rotated (309 mm x 120 mm) 117 = PRC Envelope #9 Rotated (324 mm x 229 mm) 118 = PRC Envelope #10 Rotated (458 mm x 324 mm) When paperHeight, paperWidth, and paperUnits are specified, paperSize should be ignored. The possible values for this attribute are defined by the W3C XML Schema unsignedInt datatype.

293. §18.3.1.64, "pageSetup (Chart Sheet Page Setup)", p. 1832

[DR 09-0095]

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

294. §18.3.1.64, "pageSetup (Chart Sheet Page Setup)", p. 1834

[DR 09-0095]

When paperHeight, and paperWidth, and paperUnits are specified, paperSize should be ignored.

295. §18.3.1.73, "row (Row)", p. 1848, various attributes

[DR 09-0150]

Attributes	Description

Attributes	Description
collapsed (Collapsed)	'1' if the rows 1 level of outlining deeper than the current row are in the collapsed outline state. It means that the rows which are 1 outline level deeper (numerically higher value) than the current row are currently hidden due to a collapsed outline state. …
customFormat (Custom Format)	'1' if the row style should be applied. ….
customHeight (Custom Height)	'1' if the row height has been manually set. …
hidden (Hidden)	'1' if the row is hidden, e.g., due to a collapsed outline or by manually selecting and hiding a row. …
ph (Show Phonetic)	'1' if the row should show phonetic. …
thickBot (Thick Bottom)	'1' if any cell in the row has a medium or thick bottom border, or if any cell in the row directly below the current row has a thick top border. …

296. §18.3.1.75, "scenario (Scenario)", p. 1854

[DR 09-0020]

Attributes	Description
name (Scenario Name)	Scenario's name (user input). Shall be unique for the ~~workbook~~worksheet. The possible values for this attribute are defined by the ST_Xstring simple type (§xx).

297. §18.3.1.85, "sheetProtection (Sheet Protection Options)", p. 1870, attribute scenarios

[DR 09-0080]

Change "… Scenarios _should …" to "… Scenarios should …"

298. §18.3.1.96, "v (Cell Value)", p. 1884, new attribute

[DR 09-0026]

Attributes	Description

Attributes	Description
xml:space (Content Contains Significant Whitespace) Namespace: http://www.w3.org/XML/1998/namespace	Specifies how white space should be handled for the contents of this element using the W3C space preservation rules. The possible values for this attribute are defined by §2.10 of the XML 1.0 specification.

299. §18.3.2.1, "colorFilter (Color Filter Criteria)", p. 1888, attribute cellColor

[DR 09-0150]

Attributes	Description
cellColor (Filter By Cell Color)	Flag indicating whether or not to filter by the cell's fill color. '1' indicates to filter by cell fill. '0' indicates to filter by the cell's font color. …

300. §18.3.2.2, "customFilter (Custom Filter Criteria)", p. 1888

[DR 09-0097]

A custom AutoFilter … when the fi~~t~~lter is applied.

301. §18.3.2.3, "customFilters (Custom Filters)", p. 1889, attribute and

[DR 09-0150]

Attributes	Description
and (And)	Flag indicating whether the two criteria~~s~~ have an "and" relationship. '1' indicates "and", '0' indicates "or". …

302. §18.3.2.5, "dynamicFilter (Dynamic Filter)", pp. 1891–1892, attribute various

[DR 09-0233]

Attributes	Description
val (Value)	A minimum numeric value for dynamic filter. (See description of valIso to understand when val is required.) The possible values for this attribute are defined by the W3C XML Schema double datatype.

Attributes	Description
valIso (ISO Value)	A minimum date value for dynamic filter. (See description of maxValIso to understand when val/valIso is required.) Only these types of dynamic filters use numeric data, and therefore shall use val and shall not use valIso: • aboveAverage and belowAverage The possible values for this attribute are defined by the W3C XML Schema dateTime datatype.

303. §18.4.12 , "t (Text)", p. 1906, new attribute

[DR 09-0026]

Attributes	Description
xml:space (Content Contains Significant Whitespace) Namespace: http://www.w3.org/XML/1998/namespace	Specifies how white space should be handled for the contents of this element using the W3C space preservation rules. The possible values for this attribute are defined by §2.10 of the XML 1.0 specification.

304. §18.5.1.1, "calculatedColumnFormula (Calculated Column Formula)", p. 1909, new attribute

[DR 09-0026]

Attributes	Description
xml:space (Content Contains Significant Whitespace) Namespace: http://www.w3.org/XML/1998/namespace	Specifies how white space should be handled for the contents of this element using the W3C space preservation rules. The possible values for this attribute are defined by §2.10 of the XML 1.0 specification.

305. §18.7.1, "author (Author)", p. 1929, new attribute

[DR 09-0026]

Attributes	Description

Attributes	Description
xml:space (Content Contains Significant Whitespace) Namespace: http://www.w3.org/XML/1998/namespace	Specifies how white space should be handled for the contents of this element using the W3C space preservation rules. The possible values for this attribute are defined by §2.10 of the XML 1.0 specification.

306. §18.8.1, "alignment (Alignment)", p. 1936, attribute indent

[DR 09-0150]

Attributes	Description
indent (Indent)	… [*Example*:For example, an indent value of '1' means that the text begins 3 space widths (of the normal style font) from the edge of the cell. *end example*] …

307. §18.8.29, "name (Font Name)", p. 1965

[DR 09-0068]

Attributes	Description
val (String Value)	… The string length for this attribute shall be 0 to 31 Unicode scalar values~~characters~~. …

308. §18.8.31, "numFmts (Number Formats)", p. 1974

[DR 09-0022]

Format symbol	Description and result
$-+~~/~~():space	Displays the symbol. If it is desired to display a character that differs from one of these symbols, precede the character with a backslash (\). Alternatively, enclose the character in quotation marks. [*Example*: If the number format is (000), and the value 12 is in the cell, the number (012) is displayed. *end example*]
/	If this symbol is preceded and followed by a number symbol (0, #, and ?), it is interpreted as the fraction format symbol and will display the number in the format of a fraction. Otherwise, it is interpreted as the forward slash character and is displayed as such.

309. §18.10.1.10, "calculatedMember (Calculated Member)", p. 2030

[DR 09-0009]

~~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.

310. §18.10.1.45, "item (PivotTable Field Item)", p. 2071

[DR 09-0021]

Attributes	Description
x (Item Index)	Specifies the item index in pivotFields collection in the PivotCache. ~~Applies only non-OLAP PivotTables.~~ …

311. §18.10.1.46, "items (Field Items)", p. 2072

[DR 09-0097]

[*Example*: In the … <item x="66"/>, which … Therefore, if you added …

312. §18.10.1.67, "pivotCacheDefinition (PivotCache Definiton)", pp. 2093–2094

[DR 09-0087]

```
<pivotCacheDefinition xmlns="…" xmlns:r="…" r:id="rId1" refreshedBy="AnonUser"
  refreshedDateIso="2006-05-22T10:07:16" createdVersion="3" refreshedVersion="3"
  minRefreshableVersion="3" recordCount="182">
  …
</pivotCacheDefinition>
```

313. §18.10.1.67, "pivotCacheDefinition (PivotCache Definiton)", p. 2096, attribute refreshedDateIso

[DR 09-0087]

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

314. §18.10.1.73, "pivotTableDefinition (PivotTable Definition)", p. 2142, attribute printDrill

[DR 09-0080]

Change "… indicates_that …" to "… indicates that …"

315. §18.10.1.73, "pivotTableDefinition (PivotTable Definition)", p. 2146, attribute useAutoFormatting

[DR 09-0080]

Change "… indicates_that …" to "… indicates that …"

316. §18.10.1.90, "sharedItems (Shared Items)", p. 2167

[DR 09-0069]

Attributes	Description
longText (Long Text)	Specifies a boolean value that indicates whether this field contains a long text value. A string is considered long if it is over 255 Unicode scalar values~~characters~~. A value of `1` or `true` indicates the value contains more than 255 Unicode scalar values~~characters~~ of text. A value of `0` or `false` indicates the value contains less than 255 Unicode scalar values~~characters~~. [*Note*: This is used as many legacy spreadsheet application support a limit of Unicode scalar values~~characters~~ for text values. *end note*] The possible values for this attribute are defined by the W3C XML Schema boolean datatype.

317. §18.14.11, "oleLink (Generic Object Link Connection)", p. 2251, attribute progId

[DR 09-0080]

Change "… connection._[*Example*: …" to "… connection. [*Example*: …"

318. §18.17.2.1, "Constants", p. 2276

[DR 09-0015]

```
error-constant=
  "#DIV/0! " | "#N/A" | "#NAME? " | "#NULL! " |
```

```
    "#NUM! " | "#REF! " | "#VALUE! " | "#GETTING DATA" ;
```

319. §18.17.2.1, "Constants", p. 2276

[DR 09-0171]

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

320. §18.17.2.1, "Constants", p. 2277

[DR 09-0171]

```
  double-quote=
  '_"_' ; (* one double-quote character*)

  string-char=
  '_""_' | (* consecutive double-quotes, with no space between them *) character -
  double-quote ; (* any character except double-quote *)
```

321. §18.17.2.3, "Cell References", p. 2281

[DR 09-0171]

```
  apostrophe=
  "_'_" ; (* one apostrophe character *)
```

322. §18.17.2.3.1, "A1-Style Cell References", p. 2285.

[DR 09-0102]

```
  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" ;
```

323. §18.17.3, "Error values", p. 2292

[DR 09-0015]

Error Value	Reason for Occurrence

Error Value	Reason for Occurrence
#GETTING_DATA	Intended to indicate when a cell reference cannot be evaluated because the value for the cell has not been retrieved or calculated. [*Note*: This can happen when connected to an OLAP cube. *end note*] This error constant differs from #N/A in that #GETTING_DATA is used when there is an expectation that the value for the cell will eventually be available, whereas #N/A is used when there is no such expectation.

324. §18.17.5.2, "Precision", p. 2296

[DR 09-0007]

The *value space* consists of the values (-1)^s × m × 2^n, where s is 0 or 1, ~~where~~ m is an integer greater than or equal to 0 and ~~whose absolute value is~~ less than 2^53, and n is an integer between -1074~~5~~ and 971~~0~~, inclusive.

325. §18.17.5.4, "Interpretation", p. 2297

[DR 09-0231]

Strings that are permitted according to the lexical definition in §18.17.5.3 shall be interpreted as values in the value space as follows:

4. If the ~~raw~~absolute value is larger than the largest value in the value space (2^~~1023~~1024 minus ~~1~~2^971~~, by default~~)~~, or smaller than the smallest value in the value space (-2^1023 + 1, by default),~~ then a consuming application shall treat this as equivalent to the error value #NUM! (§xx). Otherwise, the value in the value space that is closest to the raw value is chosen as the interpretation. In the case that two values are equally close, the one with the smaller absolute value is chosen.

326. §18.17.6.5, "Name Representation", p. 2300

[DR 09-0014]

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

327. §18.17.7.2, "ACCRINT", p. 2306, value 0 or omitted

[DR 09-0080]

Change "… 30/360. Assumes …" to "… 30/360. Assumes …"

328. §18.17.7.2, "ACCRINT", p. 2307, value 4

[DR 09-0080]

Change "… 30/360. The …" to "… 30/360. The …"

329. §18.17.7.28, "BETAINV", p. 2333

[DR 09-0144]

Syntax:

BETAINV (*probability* , *alpha* , *beta* [, [*A*] , [*B*]])

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 BETADIST(x, *alpha*, *beta*, A, B) = *probability*. Thus, precision of BETAINV depends on precision of BETADIST. ~~BETAINV uses an iterative search technique.~~

330. §18.17.7.37, "CHIINV", p. 2347

[DR 09-0144]

Return Type and Value: number – The inverse of the one-tailed probability of the chi-squared distribution.

However, if

- …
- ~~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

331. §18.17.7.49, "CORREL", p. 2360

[DR 09-0098]

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

332. §18.17.7.63, "COVAR", p. 2382

[DR 09-0145]

- $\bar{x}$~~x~~ = the sample mean AVERAGE(*array-1*)

333. §18.17.7.66, "CUBEMEMBER", p. 2385, name member-expression

[DR 09-0080]

Change "… constant. [*Note*: …" to "… constant. [*Note*: …"

334. §18.17.7.74, "DATE", p. 2393, name year

[DR 09-0080]

Change "… integer_representing …" to "… integer representing …"

335. §18.17.7.76, "DATEVALUE", pp. 2396–2397

[DR 09-0143]

Arguments:

Name	Type	Description
date-time-string	text	The date and/or time whose date component serial value is to be computed. … Any time information in *date-time-string* shall be ignored. …

336. §18.17.7.76, "DATEVALUE", p. 2397, name date-time-string

[DR 09-0080]

Change "… ignored._When …" to "… ignored. When …"

337. §18.17.7.89, "DEVSQ", p. 2410

[DR 09-0098]

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

338. §18.17.7.110, "ERROR.TYPE", p. 2429

[DR 09-0015]

value	Return Value
#N/A	7
#GETTING_DATA	8
Anything else	#N/A

339. §18.17.7.121, "FINV", p. 2438

[DR 09-0144]

Return Type and Value: number – The inverse of the F probability distribution.

However, if

- …

- ~~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

340. §18.17.7.126, "FORECAST", p. 2442

[DR 09-0098]

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

341. §18.17.7.132, "GAMMAINV", p. 2447

[DR 09-0144]

Return Type and Value: number – The inverse of the gamma distribution.

However, if

- ...
- ~~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.

342. §18.17.7.170, "INTERCEPT", p. 2482

[DR 09-0098]

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

343. §18.17.7.173, "IRR", p. 2487

[DR 09-0144]

Return Type and Value: number – The internal rate of return for a series of cash flows.

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! is returned.

344. §18.17.7.195, "LINEST", p. 2500

[DR 09-0098]

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

345. §18.17.7.204, "MATCH", p. 2510

[DR 09-0146]

However, if

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

346. §18.17.7.230, "NORMINV", p. 2534

[DR 09-0144]

Return Type and Value: number – The inverse of the normal distribution for the specified mean and standard deviation.

However, if

- …
- ~~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.

347. §18.17.7.232, "NORMSINV", p. 2535

[DR 09-0144]

Return Type and Value: number – The inverse of the standard normal distribution.

However, if

- …
- ~~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.

348. §18.17.7.247, "PEARSON", p. 2557

[DR 09-0098]

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

349. §18.17.7.283, "RSQ", p. 2593

[DR 09-0098]

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

350. §18.17.7.292, "SKEW", p. 2600

[DR 09-0098]

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

351. §18.17.7.294, "STDEVA", p. 2602

[DR 09-0098]

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

352. §18.17.7.298, "STANDARDIZE", p. 2605, name mean

[DR 09-0080]

Change "… distribution. Represented …" to "… distribution. Represented …"

353. §18.17.7.298, "STANDARDIZE", p. 2605, name standard-dev

[DR 09-0080]

Change "… distribution. Represented …" to "… distribution. Represented …"

354. §18.17.7.299, "STDEV", p. 2605

[DR 09-0145]

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

355. §18.17.7.300, "STDEVA", p. 2606

[DR 09-0145]

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

356. §18.17.7.301, "STDEVP", p. 2607

[DR 09-0145]

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

357. §18.17.7.302, "STDEVPA", p. 2608

[DR 09-0145]

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

358. §18.17.7.303, "STEYX", p. 2609

[DR 09-0098]

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

359. §18.17.7.324, "TIMEVALUE", p. 2627

[DR 09-0143]

Description: Computes the serial value of the ~~date and/or~~ time represented by the string *date-time-string*.

Arguments:

Name	Type	Description
date-time-string	text	The date and/or time whose time component serial value is to be computed. *date-time-string* can have any date and/or time format. Any date information in *date-time-string* shall be ignored.

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.

360. §18.17.7.338, "VAR", p. 2636

[DR 09-0145]

- ~~x~~ = the sample mean AVERAGE(*argument-1*, *argument-1*,…, *argument-n*)

361. §18.17.7.339, "VARA", p. 2637

[DR 09-0145]

- ~~x~~ = the sample mean AVERAGE(*argument-1*, *argument-1*,…, *argument-n*)

362. §18.17.7.340, "VARP", p. 2638

[DR 09-0145]

- ~~x~~ = the sample mean AVERAGE(*argument-1*, *argument-1*,…, *argument-n*)

363. §18.17.7.341, "VARPA", p. 2639

[DR 09-0145]

- ~~x~~ = the sample mean AVERAGE(*argument-1*, *argument-1*,…, *argument-n*)

364. §18.17.7.356, "ZTEST", p. 2663

[DR 09-0145]

- ~~x~~ = the sample mean AVERAGE(*array*)

365. §18.18.26, "ST_DynamicFilterType (Dynamic Filter)", p. 2682–2683, enumeration values

[DR 09-0233]

Enumeration Value	Description
lastQuarter (Last Quarter)	Shows last calendar quarter's dates.
lastWeek (Last Week)	Shows last week's dates, using Sunday as the first weekday.
M2 (2nd Month)	Shows the dates that are in ~~Februray~~February, regardless of year.
nextQuarter (Next Quarter)	Shows next calendar quarter's dates.
nextWeek (Next Week)	Shows next week's dates, using Sunday as the first weekday.
Q1 (1st Quarter)	Shows the dates that are in the 1st calendar quarter, regardless of year.

Enumeration Value	Description
Q2 (2nd Quarter)	Shows the dates that are in the 2nd calendar quarter, regardless of year.
Q3 (3rd Quarter)	Shows the dates that are in the 3rd calendar quarter, regardless of year.
Q4 (4th Quarter)	Shows the dates that are in the 4th calendar quarter, regardless of year.
thisQuarter (This Quarter)	Shows this calendar quarter's dates.
thisWeek (This Week)	Shows this week's dates, using Sunday as the first weekday.

366. §19.2.1.13, "font (Embedded Font Name)", p. 2769

[DR 09-0053]

Attributes	Description
pitchFamily (Similar Font Family) Namespace: .../drawingml/2006/main	Specifies the font pitch as well as the font family for the corresponding font. Because the value of this attribute is determined by an octet value ~~byte variable~~ this value shall be interpreted as follows: ... This information is determined by querying the font when present and shall not be modified when the font is not available. This information can be used in font substitution logic to locate an appropriate substitute font when this font is not available. [*Note*: Although the attribute name is pitchFamily, the integer value of this attribute specifies the font family with higher 4 bits and the font pitch with lower 4 bits. *end note*] The possible values for this attribute are defined by the W3C XML Schema byte datatype.

367. §19.2.1.19, "modifyVerifier (Modification Verifier)", p. 2774

[DR 09-0070]

The password supplied to the algorithm is to be a UTF-16LE encoded string; strings longer than 510 octets~~255 characters~~ are truncated to 510 octets~~255 characters~~. If there is a leading BOM character (U+FEFF) in the encoded password it is removed before hash calculation.

368. §19.3.1.21, "graphicFrame (Graphic Frame)", p. 2829, attribute bwMode

[DR 09-0242]

Attributes	Description
bwMode (Black and White Mode) Namespace: …/drawingml/2006/main	Specifies how the graphical object should be rendered, using color, black or white, or grayscale. [*Note*: This does not mean that the graphical object itself is stored with only black and white or grayscale information. This attribute instead sets the rendering mode that the graphical object uses. *end note*] The possible values for this attribute are defined by the ST_BlackWhiteMode simple type (§xx).

369. §19.3.2.4, "oleObj (Global Element for Embedded objects and Controls)", p. 2859

[DR 09-0243]

This element specifies a global element to be used for an Embedded object and Control.

When the oleObject element contains a pic child element, the identifier specified by the pic/nvPicPr/cNvPr@id attribute shall be ignored and the identifier specified by the graphicFrame/nvGraphicFramePr/cNvPr@id attribute shall be used when deciding which identifier to use for the OLE object.

370. §19.5.9, "audio (Audio)", p. 2882

[DR 09-0140]

```
<p:cMediaNode vol="50%11000">…
  <p:tgtEl>
    <p:sndTgt r:embed="rId2" />
  </p:tgtEl>
</p:cMediaNode>
```

371. §19.5.44, "from (From)", p. 2919

[DR 09-0106]

```
<p:animScale>
  …
  <p:from x="100%000" y="100%000"/>
  <p:to x="80%000" y="100%000"/>
</p:animScale>
```

372. §19.5.46, "hsl (HSL)", p. 2921, attributes l and s

[DR 08-0005]

Attributes	Description
l (Lightness)	Specifies a lightness ~~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~~as a percentage. The values range from [-100%, 100%]. The possible values for this attribute are defined by the ST_FixedPercentage simple type (§xx).
s (Saturation)	Specifies a saturation ~~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~~as a percentage. The values range from [-100%, 100%]. The possible values for this attribute are defined by the ST_FixedPercentage simple type (§xx).

373. §19.5.46, "hsl (HSL)", p. 2921, attribute l

[DR 09-0080]

Change "… percent_when …" to "… percent when …"

374. §19.5.46, "hsl (HSL)", p. 2921, attribute s

[DR 09-0080]

Change "… percent_when …" to "… percent when …"

375. §19.5.62, "rCtr (Rotation Center)", p. 2935

[DR 08-0141]

```
<p:animMotion origin="layout" path="M 0 0 L 0.25 0.33333 E"
  pathEditMode="relative" rAng="0" ptsTypes="">
  …
  <p:rCtr x="56.7%~~457200~~" y="83.4%~~274638~~"/>
</p:animMotion>
```

376. §19.5.63, "rgb (RGB)", pp. 2936–2937, attributes b, g, and r

[DR 08-0006]

Attributes	Description
b (Blue)	This attribute specifies a blue ~~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~~as a percentage. Values range from [-100%, 100%]. The possible values for this attribute are defined by the ST_FixedPercentage simple type (§xx).

Attributes	Description
g (Green)	This attribute specifies a green ~~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~~as a percentage. Values range from [-100%, 100%]. The possible values for this attribute are defined by the ST_FixedPercentage simple type (§xx).
r (Red)	This attribute specifies a red ~~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~~as a percentage. Values range from [-100%, 100%]. The possible values for this attribute are defined by the ST_FixedPercentage simple type (§xx).

377. §19.5.63, "rgb (RGB)", p. 2936, attribute b

[DR 09-0080]

Change "… percent_when …" to "… percent when …"

378. §19.5.63, "rgb (RGB)", p. 2937, attribute g

[DR 09-0080]

Change "… percent_when …" to "… percent when …"

379. §19.5.63, "rgb (RGB)", p. 2937, attribute r

[DR 09-0080]

Change "… percent_when …" to "… percent when …"

380. §19.5.68, "snd (Sound)", p. 2941

[DR 09-0118]

```
<p:stSnd>
  <p:snd r:embed="rId2" ~~r:link="rId3"~~/>
</p:stSnd>
```

381. §19.5.68, "snd (Sound)", p. 2942, attribute embed

[DR 09-0080]

Change "… file._[*Note*: …" to "… file. [*Note*: …"

382. §19.5.69, "sndAc (Sound Action)", p. 2942

[DR 09-0118]

```
<p:stSnd>
  <p:snd r:embed="rId2" r:link="rId3"/>
</p:stSnd>
```

383. §19.5.70, “sndTgt (Sound Target)”, p. 2943, attribute embed

[DR 09-0080]

Change “… file. [*Note*: …” to “… file. [*Note*: …”

384. §19.5.76, “stSnd (Start Sound Action)”, p. 2949

[DR 09-0118]

```
<p:stSnd>
  <p:snd r:embed="rId2" r:link="rId3"/>
</p:stSnd>
```

385. §19.5.79, “tav (Time Animate Value)”, p. 2952

[DR 09-0120]

```
<p:tavLst>
  <p:tav tm="0%">
    …
  </p:tav>
  <p:tav tm="100000%">
    …
  </p:tav>
</p:tavLst>
```

386. §19.5.79, “tav (Time Animate Value)”, p. 2955, attribute fmla

[DR 09-0120]

```
<p:tavLst>
  <p:tav tm='0%' fmla="#ppt_y-sin(pi*$)/3">
    …
  </p:tav>
  <p:tav tm="100000%">
    …
  </p:tav>
</p:tavLst>
```

387. §19.5.80, “tavLst (Time Animated Value List)”, p. 2956

[DR 09-0120]

```
<p:tavLst>
  <p:tav tm="0%">
  …
  </p:tav>
  …
</p:tavLst>
```

388. §19.5.83, “tmPct (Time Percentage)”, p. 2958

[DR 08-0002]

[*Example*: …

```
<p:par>
  <p:cTn id="5" >
    <p:stCondLst> … </p:stCondLst>
    <p:iterate type="lt">
      <p:tmPct val="10000010%"/>
    </p:iterate>
    <p:childTnLst> … </p:childTnLst>
  </p:cTn>
</p:par>
```

end example]

389. §19.5.88, “to (To)”, p. 2962

[DR 09-0106]

```
<p:animScale>
  …
  <p:from x="100%000" y="100%000"/>
  <p:to x="80%000" y="100%000"/>
</p:animScale>
```

390. §19.5.88, “to (To)”, p. 2962

[DR 09-0142]

```
<p:cBhvr>
  <p:cTn id="9" dur="200" decel="10.5%0000" autoRev="1" fill="hold">
    <p:stCondLst>
    …
  </p:cTn>
  …
</p:cBhvr>
```

391. §19.5.90, "to (To)", p. 2964

[DR 09-0131]

```
<p:animClr clrSpc="rgsb">
  …
</p:animClr>
```

392. §19.5.92, "tavLst val (Value)", p. 2965–2966

[DR 09-0120]

```
<p:tavLst>
  <p:tav tm="0%">
    …
  </p:tav>
  <p:tav tm="100000%">
    …
  </p:tav>
</p:tavLst>
```

393. §19.7.53, "ST_TransitionSideDirectionType (Transition Slide Direction Type)", p. 3004, enumeration value r

[DR 09-0226]

Enumeration Value	Description
r (Transition Slide Direction Enum (Right))	Specifies that the transition direction is right

394. §20.1.2.2.32, "snd (Hyperlink Sound)", p. 3044, attribute embed

[DR 09-0080]

Change "… file. [*Note*: …" to "… file. [*Note*: …"

395. §20.1.2.3.3, "alphaOff (Alpha Offset)", p. 3053, attribute val

[DR 09-0250]

Attributes	Description
val (Value)	Specifies the opacity as expressed by a percentage offset increase or decrease ~~relative~~ to the input color. Increases never increase the opacity beyond 100%, decreases never decrease the opacity below 0%. …

396. §20.1.2.3.5, "blueMod (Blue ~~Modification~~Modulation)", p. 3055, attribute val

[DR 09-0264]

Attributes	Description

val (Value)	~~Specifies the value of the blue component. The assigned value is specified as a percentage with 0% indicating minimal blue and 100% indicating maximum blue.~~ Specifies the blue component as expressed by a percentage relative to the input color component. Increases never increase the blue component beyond 100%, decreases never decrease the blue component below 0%.
	
	[*Example*: The following manipulates the fill from having RGB value RRGGBB = (~~00, FF, 00~~00, 00, FF) to value RRGGBB= (~~00, FF, FF~~00, 00, 80)
	
	`<a:solidFill>`
	`  <a:srgbClr val="~~00FF00~~0000FF">`
	`  <a:~~blue~~blueMod val="~~100.000%~~50.000%"/>`
	`  </a:srgbClr>`
	`</a:solidFill>`
	
	end example]
	
	…

397. §20.1.2.3.6, "blueOff (Blue Offset)", pp. 3055–3056, attribute val

[DR 09-0265]

Attributes	Description

Attributes	Description

val (Value)	~~Specifies the value of the blue component. The assigned value is specified as a percentage with 0% indicating minimal blue and 100% indicating maximum blue.~~ Specifies the blue component as expressed by a percentage offset increase or decrease to the input color component. Increases never increase the blue component beyond 100%, decreases never decrease the blue component below 0%.
	
	[*Example*: The following manipulates the fill from having RGB value RRGGBB = (~~00, FF, 00~~00, 00, FF) to value RRGGBB= (~~00, FF, FF~~00, 00, CC)
	
	`<a:solidFill>`
	`  <a:srgbClr val="00FF00">`
	`  <a:~~blue~~blueOff val="~~100.000%~~-20.000%"/>`
	`  </a:srgbClr>`
	`</a:solidFill>`
	
	end example]
	
	…

398. §20.1.2.3.10, "green (Green)", p. 3057, attribute val

[DR 09-0251]

Attributes	Description

val (Value)	Specifies the value of the ~~blue~~green component. The assigned value is specified as a percentage with 0% indicating minimal ~~blue~~green and 100% indicating maximum ~~blue~~green.
	
	[*Example*: The following manipulates the fill from having RGB value RRGGBB = (~~00, FF, 00~~00, 00, FF) to value RRGGBB= (00, FF, FF)
	
	`<a:solidFill>`
	`  <a:srgbClr val="~~00FF00~~0000FF">`
	`  <a:~~blue~~green val="100.000%"/>`
	`  </a:srgbClr>`
	`</a:solidFill>`
	
	end example]
	
	…

399. §20.1.2.3.11, "greenMod (Green ~~Modification~~Modulation)", p. 3058, attribute val

[DR 09-0252]

Attributes	Description

Attributes	Description

val (Value)	~~Specifies the value of the blue component. The assigned value is specified as a percentage with 0% indicating minimal blue and 100% indicating maximum blue.~~ Specifies the green component as expressed by a percentage relative to the input color component. Increases never increase the green component beyond 100%, decreases never decrease the green component below 0%.
	
	[*Example*: The following manipulates the fill from having RGB value RRGGBB = (00, FF, 00) to value RRGGBB= (~~00, FF, FF~~00, 80, 00)
	
	`<a:solidFill>`
	`  <a:srgbClr val="00FF00">`
	`  <a:~~blue~~greenMod val="~~100.000%~~50.000%"/>`
	`  </a:srgbClr>`
	`</a:solidFill>`
	
	end example]
	
	…

400. §20.1.2.3.12, "greenOff (Green Offset)", p. 3059, attribute val

[DR 09-0253]

Attributes	Description

val (Value)	~~Specifies the value of the blue component. The assigned value is specified as a percentage with 0% indicating minimal blue and 100% indicating maximum blue.~~ Specifies the green component as expressed by a percentage offset increase or decrease to the input color component. Increases never increase the green component beyond 100%, decreases never decrease the green component below 0%.
	
	[*Example*: The following manipulates the fill from having RGB value RRGGBB = (00, FF, 00) to value RRGGBB= (~~00, FF, FF~~00, CC, 00)
	
	`<a:solidFill>`
	`  <a:srgbClr val="00FF00">`
	`  <a:~~blue~~greenOff val="~~100.000%~~-20.000%"/>`
	`  </a:srgbClr>`
	`</a:solidFill>`
	
	end example]
	
	…

401. §20.1.2.3.19, "lum (Luminance)", p. 3065, attribute val

[DR 09-0254]

Attributes	Description

Attributes	Description

val (Value)	Specifies the value of the ~~blue component~~luminance. The assigned value is specified as a percentage with 0% indicating minimal ~~blue~~luminance and 100% indicating maximum ~~blue~~luminance.
	
	[*Example*: The following manipulates the fill from having RGB value RRGGBB = (00, FF, 00) to value RRGGBB= (~~00, FF, FF~~00, 66, 00)
	
	`<a:solidFill>`
	`  <a:srgbClr val="00FF00">`
	`  <a:~~blue~~lum val="~~100.000%~~20.000%"/>`
	`  </a:srgbClr>`
	`</a:solidFill>`
	
	end example]
	
	…

402. §20.1.2.3.20, "lumMod (Luminance Modulation)", p. 3065, attribute val

[DR 09-0255]

Attributes	Description

val (Value)	~~Specifies the value of the blue component. The assigned value is specified as a percentage with 0% indicating minimal blue and 100% indicating maximum blue.~~ Specifies the luminance as expressed by a percentage relative to the input color. Increases never increase the luminance beyond 100%, decreases never decrease the luminance below 0%.
	
	[*Example*: The following manipulates the fill from having RGB value RRGGBB = (00, FF, 00) to value RRGGBB= (~~00, FF, FF~~00, 75, 00)
	
	`<a:solidFill>`
	`  <a:srgbClr val="00FF00">`
	`  <a:~~blue~~lumMod val="~~100.000%~~50.000%"/>`
	`  </a:srgbClr>`
	`</a:solidFill>`
	
	end example]
	
	…

403. §20.1.2.3.21, "lumOff (Luminance Offset)", p. 3066, attribute val

[DR 09-0256]

Attributes	Description

Attributes	Description

val (Value)	~~Specifies the value of the blue component. The assigned value is specified as a percentage with 0% indicating minimal blue and 100% indicating maximum blue.~~ Specifies the luminance as expressed by a percentage offset increase or decrease to the input color. Increases never increase the luminance beyond 100%, decreases never decrease the luminance below 0%.
	
	[*Example*: The following manipulates the fill from having RGB value RRGGBB = (00, FF, 00) to value RRGGBB= (~~00, FF, FF~~00, 99, 00)
	
	`<a:solidFill>`
	`  <a:srgbClr val="00FF00">`
	`  <a:~~blue~~lumOff val="~~100.000%~~-20.000%"/>`
	`  </a:srgbClr>`
	`</a:solidFill>`
	
	end example]
	
	…

404. §20.1.2.3.23, “red (Red)”, p. 3068, attribute val

[DR 09-0257]

Attributes	Description

val (Value)	Specifies the value of the ~~blue~~red component. The assigned value is specified as a percentage with 0% indicating minimal ~~blue~~red and 100% indicating maximum ~~blue~~red.
	
	[*Example*: The following manipulates the fill from having RGB value RRGGBB = (00, FF, 00) to value RRGGBB= (~~00, FF, FF~~FF, FF, 00)
	
	`<a:solidFill>`
	`  <a:srgbClr val="00FF00">`
	`  <a:~~blue~~red val="100.000%"/>`
	`  </a:srgbClr>`
	`</a:solidFill>`
	
	end example]
	
	…

405. §20.1.2.3.24, “redMod (Red Modulation)”, p. 3069, attribute val

[DR 09-0258]

Attributes	Description

Attributes	Description

val (Value)	~~Specifies the value of the blue component. The assigned value is specified as a percentage with 0% indicating minimal blue and 100% indicating maximum blue.~~ Specifies the red component as expressed by a percentage relative to the input color component. Increases never increase the red component beyond 100%, decreases never decrease the red component below 0%.
	
	[*Example*: The following manipulates the fill from having RGB value RRGGBB = (~~00, FF, 00~~FF, 00, 00) to value RRGGBB= (~~00, FF, FF~~80, 00, 00)
	
	`<a:solidFill>`
	`  <a:srgbClr val="~~00FF00~~FF0000">`
	`  <a:~~blue~~redMod val="~~100.000%~~50.000%"/>`
	`  </a:srgbClr>`
	`</a:solidFill>`
	
	end example]
	
	…

406. §20.1.2.3.25, "redOff (Red Offset)", p. 3070, attribute val

[DR 09-0259]

Attributes	Description

val (Value)	~~Specifies the value of the blue component. The assigned value is specified as a percentage with 0% indicating minimal blue and 100% indicating maximum blue.~~ Specifies the red component as expressed by a percentage offset increase or decrease to the input color component. Increases never increase the red component beyond 100%, decreases never decrease the red component below 0%.
	
	[*Example*: The following manipulates the fill from having RGB value RRGGBB = (~~00, FF, 00~~FF, 00, 00) to value RRGGBB= (~~00, FF, FF~~CC, 00, 00)
	
	`<a:solidFill>`
	`  <a:srgbClr val="~~00FF00~~FF0000">`
	`  <a:~~blue~~redOff val="~~100.000%~~-20.000%"/>`
	`  </a:srgbClr>`
	`</a:solidFill>`
	
	end example]
	
	…

407. §20.1.2.3.26, "sat (Saturation)", p. 3071, attribute val

[DR 09-0260]

Attributes	Description

Attributes	Description

val (Value)	Specifies the value of the ~~blue component~~saturation. The assigned value is specified as a percentage with 0% indicating minimal ~~blue~~saturation and 100% indicating maximum ~~blue~~saturation.
	
	[*Example*: The following manipulates the fill from having RGB value RRGGBB = (00, FF, 00) to value RRGGBB= (~~00, FF, FF~~40, C0, 40)
	
	`<a:solidFill>`
	`  <a:srgbClr val="00FF00">`
	`  <a:~~blue~~sat val="~~100.000%~~50.000%"/>`
	`  </a:srgbClr>`
	`</a:solidFill>`
	
	end example]
	
	…

408. §20.1.2.3.27, "satMod (Saturation Modulation)", pp. 3071–3072, attribute val

[DR 09-0261]

Attributes	Description

val (Value)	~~Specifies the value of the blue component. The assigned value is specified as a percentage with 0% indicating minimal blue and 100% indicating maximum blue.~~ Specifies the saturation as expressed by a percentage relative to the input color. Increases never increase the saturation beyond 100%, decreases never decrease the saturation below 0%.
	
	[*Example*: The following manipulates the fill from having RGB value RRGGBB = (00, FF, 00) to value RRGGBB= (~~00, FF, FF~~66, 99, 66)
	
	`<a:solidFill>`
	`  <a:srgbClr val="00FF00">`
	`  <a:~~blue~~satMod val="~~100.000%~~20.000%"/>`
	`  </a:srgbClr>`
	`</a:solidFill>`
	
	end example]
	
	…

409. §20.1.2.3.28, "satOff (Saturation Offset)", p. 3072, attribute val

[DR 09-0262]

Attributes	Description

Attributes	Description

val (Value)	~~Specifies the value of the blue component. The assigned value is specified as a percentage with 0% indicating minimal blue and 100% indicating maximum blue.~~ Specifies the saturation as expressed by a percentage offset increase or decrease to the input color. Increases never increase the saturation beyond 100%, decreases never decrease the saturation below 0%.
	
	[*Example*: The following manipulates the fill from having RGB value RRGGBB = (00, FF, 00) to value RRGGBB= (~~00, FF, FF~~19, E5, 19)
	
	`<a:solidFill>`
	`  <a:srgbClr val="00FF00">`
	`  <a:~~blue~~satOff val="~~100.000%~~-20.000%"/>`
	`  </a:srgbClr>`
	`</a:solidFill>`
	
	end example]
	
	…

410. §20.1.2.3.31, “shade (Shade)”, pp. 3076–3077, attribute val

[DR 09-266]

Attributes	Description

val (Value)	Specifies the opacity as expressed by a percentage value.
	
	[*Example*: ~~The following represents a green solid fill which is 50% opaque~~ The following manipulates the fill from having RGB value RRGGBB = (00, FF, 00) to value RRGGBB= (00, BC, 00)
	
	`<a:solidFill>`
	`  <a:srgbClr val="00FF00">`
	`  <a:~~alpha~~shade val="50.000%"/>`
	`  </a:srgbClr>`
	`</a:solidFill>`
	
	end example]
	
	…

411. §20.1.2.3.34, “tint (Tint)”, p. 3081, attribute val

[DR 09-0263]

Attributes	Description

Attributes	Description

val (Value)	Specifies the ~~opacity~~tint as expressed by a percentage value.
	
	[*Example*: ~~The following represents a green solid fill which is 50% opaque~~ The following manipulates the fill from having RGB value RRGGBB = (00, FF, 00) to value RRGGBB= (BC, FF, BC)
	
	`<a:solidFill>`
	`  <a:srgbClr val="00FF00">`
	`  <a:~~alpha~~tint val="50.000%"/>`
	`  </a:srgbClr>`
	`</a:solidFill>`
	
	end example]
	
	…

412. §20.1.3.7, "wavAudioFile (Audio from WAV File)", p. 3089, attribute embed

[DR 09-0080]

Change "… file. [*Note*: …" to "… file. [*Note*: …"

413. §20.1.5.5, "camera (Camera)", p. 3153

[DR 08-0003]

Attributes	Description

zoom (Zoom)	…
	`<a:camera prst="perspectiveContrastingRightFacing"`
	`  fov="6900000" zoom="~~200000~~200%">`
	`  <a:rot lat="1200000" lon="18000000" rev="1200000"/>`
	`</a:camera>`
	…

414. §20.1.10.41, "ST_PercentageDecimal (Percentage as Decimal Number)", p. 3298

[DR 08-0001]

~~20.1.10.41 ST_PercentageDecimal (Percentage as Decimal Number)~~

~~This simple type represents a percentage in 1000ths of a percent, e.g., a value of 1 represents 0.001% == 0.00001; a value of 100000 is equal to 100%. Percentages have no intrinsic units, but are used to scale other values with units.~~

~~This simple type's contents are a restriction of the W3C XML Schema int datatype.~~

~~Referenced By~~

~~Referenced By~~
~~ST_Percentage (§xx); ST_TextBulletSizePercent (§417)~~

~~[*Note*: The W3C XML Schema definition of this simple type's content model (ST_PercentageDecimal) is located in §xx. *end note*]~~

415. §20.1.10.46, "ST_PositivePercentage (Positive Percentage Value with Sign)", p. 3300

[DR 08-0002]

416. §20.1.10.62, "ST_TextBulletSizePercent (Bullet Size Percentage)", p. 3420

[DR 08-0007]

This simple type specifies the range that the bullet percent can be. A bullet percent is the size of the bullet with respect to the text that should follow it. ~~25000 = 25 %400000 = 400 %~~

~~This simple type's contents are a restriction of the ST_PercentageDecimal datatype (§0).~~

This simple type also specifies the following restrictions:

- ~~This simple type has a minimum value of greater than or equal to 25000.~~
- ~~This simple type has a maximum value of less than or equal to 400000.~~
- This simple type's contents shall match the following regular expression pattern: 0*((2[5-9])|([3-9][0-9])|([1-3][0-9][0-9])|400)%.

Referenced By
~~buSzPct@val (§xx)~~ST_TextBulletSize (§xx)

417. §20.1.10.86, "ST_TextBulletSize (Bullet Size Percentage)", new subclause

[DR 08-0007]

This simple type specifies the range that the bullet percent can be. A bullet percent is the size of the bullet with respect to the text that should follow it, with a minimum size of 25% and maximum size of 400%.

This simple type is a union of the following types:

- The ST_TextBulletSizePercent simple type (§20.1.10.62)

Referenced By

Referenced By
buSzPct@val (§xx)

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

418. §20.4.2.3, "anchor (Anchor for Floating DrawingML Object)", p. 3462–3467

[DR 09-0104]

Attributes	Description
allowOverlap (Allow Objects to Overlap)	… ~~If this element is omitted on a given DrawingML object, then overlap shall not be allowed between a DrawingML object which intersects another DrawingML object displayed at the same location.~~ …
behindDoc (Display Behind Document Text)	… ~~If this attribute is omitted, then the parent DrawingML object shall be displayed in front of the text content of the document in cases of overlapping.~~ …
layoutInCell (Layout In Table Cell)	… ~~If this attribute is omitted, then its default value shall be considered to be `false`.~~ …
locked (Lock Anchor)	… ~~If this attribute is omitted, then the anchor shall not be locked for the parent DrawingML object (i.e. a default value of `false`).~~ ~~…~~

419. §21.1.2.2.2, "defPPr (Default Paragraph Style)", p. 3569–3570, attribute rtl

[DR 09-0080]

Change "[*Example*:_Consider …" to "[*Example*: Consider …"

Change "… <a:t>تجربة_</a:t> …" to "… <a:t>تجربة </a:t> …"

420. §21.1.2.2.7, "pPr (Text Paragraph Properties)", p. 3587–3570, attribute rtl

[DR 09-0080]

Change "[*Example*:_Consider …" to "[*Example*: Consider …"

Change "… <a:t>تجربة_</a:t> …" to "… <a:t>تجربة </a:t> …"

421. §21.1.2.3.1, "cs (Complex Script Font)", pp. 3598–3599

[DR 09-0054]

Attributes	Description
pitchFamily (Similar Font Family)	Specifies the font pitch as well as the font family for the corresponding font. Because the value of this attribute is determined by an octet value ~~byte variable~~ this value shall be interpreted as follows: … [*Note*: Although the attribute name is pitchFamily, the integer value of this attribute specifies the font family with higher 4 bits and the font pitch with lower 4 bits. *end note*] The possible values for this attribute are defined by the W3C XML Schema byte datatype.

422. §21.1.2.3.3, "ea (East Asian Font)", pp. 3606–3607

[DR 09-0054]

Attributes	Description
pitchFamily (Similar Font Family)	Specifies the font pitch as well as the font family for the corresponding font. Because the value of this attribute is determined by an octet value ~~byte variable~~ this value shall be interpreted as follows: … [*Note*: Although the attribute name is pitchFamily, the integer value of this attribute specifies the font family with higher 4 bits and the font pitch with lower 4 bits. *end note*] The possible values for this attribute are defined by the W3C XML Schema byte datatype.

423. §21.1.2.3.7, "latin (Latin Font)", pp. 3614–3615

[DR 09-0054]

Attributes	Description
pitchFamily (Similar Font Family)	Specifies the font pitch as well as the font family for the corresponding font. Because the value of this attribute is determined by an octet value ~~byte variable~~ this value shall be interpreted as follows: … [*Note*: Although the attribute name is pitchFamily, the integer value of this attribute specifies the font family with higher 4 bits and the font pitch with lower 4 bits. *end note*] The possible values for this attribute are defined by the W3C XML Schema byte datatype.

424. §21.1.2.3.10, "sym (Symbol Font)", pp. 3623–3624

[DR 09-0054]

Attributes	Description
pitchFamily (Similar Font Family)	Specifies the font pitch as well as the font family for the corresponding font. Because the value of this attribute is determined by an octet value ~~byte variable~~ this value shall be interpreted as follows: … [*Note*: Although the attribute name is pitchFamily, the integer value of this attribute specifies the font family with higher 4 bits and the font pitch with lower 4 bits. *end note*] The possible values for this attribute are defined by the W3C XML Schema byte datatype.

425. §21.1.2.4.6, "buFont (Specified)", p. 3638–3639

[DR 09-0054]

Attributes	Description
pitchFamily (Similar Font Family)	Specifies the font pitch as well as the font family for the corresponding font. Because the value of this attribute is determined by an octet value ~~byte variable~~ this value shall be interpreted as follows: … [*Note*: Although the attribute name is pitchFamily, the integer value of this attribute specifies the font family with higher 4 bits and the font pitch with lower 4 bits. *end note*] The possible values for this attribute are defined by the W3C XML Schema byte datatype.

426. §21.1.2.4.9, "buSzPct (Bullet Size Percentage)", pp. 3640–3641

[DR 08-0008]

This element specifies the size in percentage of the surrounding text to be used on bullet characters within a given paragraph. ~~The size is specified using a percentage where 1000 is equal to 1 percent of the font size and 100000 is equal to 100 percent font of the font size.~~

[*Example*: Consider the DrawingML shown below.

```
<p:txBody>
  …
  <a:p>
    <a:pPr …>
      <a:buSzPct val="~~111000~~111%"/>
    </a:pPr>
    …
    <a:t>Bullet 1</a:t>
    …
  </a:p>
  …
</p:txBody>
```

The size of the above bullet follows the text size in that it is always rendered at 111% the size of the text within the given text run. This is specified by val="~~111000~~111%", with a restriction on the values not being less than 25% or more than 400%. ~~A value of 100000 is equal to 100%, similarly a value of 1000 is equal to 1%.~~ This percentage size should only apply to the actual bullet character and not to the text within the bullet. *end example*]

…

Attributes	Description
val (Value)	Specifies the percentage of the text size that this bullet should be. ~~It is specified here in terms of 100% being equal to 100000 and 1% being specified in increments of 1000.~~ This attribute should not be lower than 25%~~, or 25000~~ and not be higher than 400%~~, or 400000~~. The possible values for this attribute are defined by the ST_TextBulletSizePercent simple type (§xx).

427. §21.1.2.4.13, "lvl1pPr (List Level 1 Text Style)", p. 3651–3652, attribute rtl

[DR 09-0080]

Change "[*Example*:_Consider …" to "[*Example*: Consider …"

Change "… <a:t>تجربة_</a:t> …" to "… <a:t>تجربة </a:t> …"

428. §21.1.2.4.14, "lvl2pPr (List Level 2 Text Style)", p. 3660–3661, attribute rtl

[DR 09-0080]

Change "[*Example*:_Consider …" to "[*Example*: Consider …"

Change "… <a:t>تجربة_</a:t> …" to "… <a:t>تجربة </a:t> …"

429. §21.1.2.4.15, "lvl3pPr (List Level 3 Text Style)", p. 3669, attribute rtl

[DR 09-0080]

Change "[*Example*:_Consider …" to "[*Example*: Consider …"

Change "… <a:t>تجربة_</a:t> …" to "… <a:t>تجربة </a:t> …"

430. §21.1.2.4.16, "lvl4pPr (List Level 4 Text Style)", p. 3677–3678, attribute rtl

[DR 09-0080]

Change "[*Example*:_Consider …" to "[*Example*: Consider …"

Change "… <a:t>تجربة_</a:t> …" to "… <a:t>تجربة </a:t> …"

431. §21.1.2.4.17, “lvl5pPr (List Level 5 Text Style)”, p. 3686, attribute rtl

[DR 09-0080]

Change “[*Example*:_Consider …” to “[*Example*: Consider …”

Change “… <a:t>تجربة_</a:t> …” to “… <a:t>تجربة </a:t> …”

432. §21.1.2.4.18, “lvl6pPr (List Level 6 Text Style)”, p. 3694–3695, attribute rtl

[DR 09-0080]

Change “[*Example*:_Consider …” to “[*Example*: Consider …”

Change “… <a:t>تجربة_</a:t> …” to “… <a:t>تجربة </a:t> …”

433. §21.1.2.4.19, “lvl7pPr (List Level 7 Text Style)”, p. 3703, attribute rtl

[DR 09-0080]

Change “[*Example*:_Consider …” to “[*Example*: Consider …”

Change “… <a:t>تجربة_</a:t> …” to “… <a:t>تجربة </a:t> …”

434. §21.1.2.4.20, “lvl8pPr (List Level 8 Text Style)”, p. 3711–3712, attribute rtl

[DR 09-0080]

Change “[*Example*:_Consider …” to “[*Example*: Consider …”

Change “… <a:t>تجربة_</a:t> …” to “… <a:t>تجربة </a:t> …”

435. §21.1.2.4.21, “lvl9pPr (List Level 9 Text Style)”, p. 3720, attribute rtl

[DR 09-0080]

Change “[*Example*:_Consider …” to “[*Example*: Consider …”

Change “… <a:t>تجربة_</a:t> …” to “… <a:t>تجربة </a:t> …”

436. §21.2.2.12, “backward (Backward)”, p. 3763

[DR 09-0001]

This element specifies the number of categories (or units on a scatter chart) that the trend line extends before the data for the series that is being trended. On scatter and non-scatter charts, the value shall be any non-negative value~~0 or 0.5~~.

437. §21.2.2.21, "bubbleScale (Bubble Scale)", p. 3767

[DR 09-0203]

This element specifies the scale factor for the bubble chart. This element can be a~~n integer~~ percentage value from 0% to 300%, corresponding to a percentage of the default size.

438. §21.2.2.41, "depthPercent (Depth Percent)", p. 3780

[DR 09-0033]

Attributes	Description
val (Depth Percent Value)	Specifies ~~an integer~~a percentage value for the property defined by the parent XML element. The possible values for this attribute are defined by the ST_DepthPercent simple type (§xx).

439. §21.2.2.59, "evenFooter (Even Footer)", p. 3789, new attribute

[DR 09-0026]

Attributes	Description
xml:space (Content Contains Significant Whitespace) Namespace: http://www.w3.org/XML/1998/namespace	Specifies how white space should be handled for the contents of this element using the W3C space preservation rules. The possible values for this attribute are defined by §2.10 of the XML 1.0 specification.

440. §21.2.2.60, "evenHeader (Even Header)", p. 3789, new attribute

[DR 09-0026]

Attributes	Description

Attributes	Description
xml:space (Content Contains Significant Whitespace) Namespace: http://www.w3.org/XML/1998/namespace	Specifies how white space should be handled for the contents of this element using the W3C space preservation rules. The possible values for this attribute are defined by §2.10 of the XML 1.0 specification.

441. §21.2.2.63, "externalData (External Data Relationship)", p. 3790

[DR 09-0013]

Attributes	Description
id (Relationship Reference) Namespace: .../officeDocument/2006/relationships	Specifies the relationship ID for the relationship for this chart. The relationship explicitly targeted by this attribute shall either be of type http://schemas.openxmlformats.org/officeDocument/2006/relationships/package, or http://schemas.openxmlformats.org/officeDocument/2006/relationships/oleObject. The possible values for this attribute are defined by the ST_RelationshipId simple type (§xx).

442. §21.2.2.66, "firstFooter (First Footer)", p. 3792, new attribute

[DR 09-0026]

Attributes	Description
xml:space (Content Contains Significant Whitespace) Namespace: http://www.w3.org/XML/1998/namespace	Specifies how white space should be handled for the contents of this element using the W3C space preservation rules. The possible values for this attribute are defined by §2.10 of the XML 1.0 specification.

443. §21.2.2.67, "firstHeader (First Header)", p. 3792, new attribute

[DR 09-0026]

Attributes	Description

Attributes	Description
xml:space (Content Contains Significant Whitespace) Namespace: http://www.w3.org/XML/1998/namespace	Specifies how white space should be handled for the contents of this element using the W3C space preservation rules. The possible values for this attribute are defined by §2.10 of the XML 1.0 specification.

444. §21.2.2.73, "forward (Forward)", p. 3795

[DR 09-0001]

This element specifies the number of categories (or units on a scatter chart) that the trend line extends after the data for the series that is being trended. On scatter and non-scatter charts, the value shall be any non-negative value~~a multiple of 0.5~~.

445. §21.2.2.74, "gapDepth (Gap Depth)", p. 3795, attribute val

[DR 09-0203]

Attributes	Description
val (Gap Size Value)	Specifies that the contents of this attribute contain a gap amount between 0% and 500%. The possible values for this attribute are defined by the ST_GapAmount simple type (§xx).

446. §21.2.2.75, "gapWidth (Gap Width)", p. 3796, attribute val

[DR 09-0203]

Attributes	Description
val (Gap Size Value)	Specifies that the contents of this attribute contain a gap amount between 0% and 500%. The possible values for this attribute are defined by the ST_GapAmount simple type (§xx).

447. §21.2.2.82, "holeSize (Hole Size)", p. 3799, attribute val

[DR 09-0203]

Attributes	Description
val (Hole Size Value)	Specifies that the contents of this attribute contain a hole size between 10% and 90% ~~that is measured as a percentage~~ of the size of the plot area. The possible values for this attribute are defined by the ST_HoleSize simple type (§xx).

448. §21.2.2.83, "hPercent (Height Percent)", p. 3800

[DR 09-0033]

Attributes	Description
val (Height Percent Value)	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 (§xx).

449. §21.2.2.91, "lblOffset (Label Offset)", p. 3803, attribute val

[DR 09-0203]

Attributes	Description
val (Label Offset Value)	Specifies the contents of this attribute contain a~~n~~ percentage~~integer~~ between 0% and 1000%. The possible values for this attribute are defined by the ST_LblOffset simple type (§xx).

450. §21.2.2.124, "oddFooter (Odd Footer)", p. 3818, new attribute

[DR 09-0026]

Attributes	**Description**
xml:space (Content Contains Significant Whitespace) Namespace: http://www.w3.org/XML/1998/namespace	Specifies how white space should be handled for the contents of this element using the W3C space preservation rules. The possible values for this attribute are defined by §2.10 of the XML 1.0 specification.

451. §21.2.2.125, "oddHeader (Odd Header)", p. 3818, new attribute

[DR 09-0026]

Attributes	**Description**
xml:space (Content Contains Significant Whitespace) Namespace: http://www.w3.org/XML/1998/namespace	Specifies how white space should be handled for the contents of this element using the W3C space preservation rules. The possible values for this attribute are defined by §2.10 of the XML 1.0 specification.

452. §21.2.2.131, "overlap (Overlap)", p. 3820, attribute val

[DR 09-0203]

Attributes	Description
val (Overlap Value)	Specifies the contents of this attribute contain a~~n integer~~ percentage between -100% and 100%. The possible values for this attribute are defined by the ST_Overlap simple type (§xx).

453. §21.2.2.134, "pageSetup (Page Setup)", p. 3822

[DR 09-0095]

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

454. §21.2.2.134, "pageSetup (Page Setup)", p. 3823, attribute paperSize

[DR 09-0096]

Attributes	Description
paperSize (~~Page~~ Paper Size)	Specifies the paper size according to the following table. …

455. §21.2.2.134, "pageSetup (Page Setup)", p. 3825

[DR 09-0095]

When paperHeight~~,~~ and paperWidth~~, and paperUnits~~ are specified, paperSize should be ignored.

456. §21.2.2.136, "perspective (Perspective)", p. 3827, attribute val

[DR 09-0203]

Attributes	Description
val (Perspective Value)	Specifies the contents of this attribute contain ~~an integer~~ a percentage between 0% and ~~100~~240%. The possible values for this attribute are defined by the ST_Perspective simple type (§xx).

457. §21.2.2.164, "secondPieSize (Second Pie Size)", p. 3839, attribute val

[DR 09-0203]

Attributes	Description
val (Second Pie Size Value)	Specifies the contents of this attribute contain ~~an integer~~ a percentage between 5% and 200%. The possible values for this attribute are defined by the ST_SecondPieSize simple type (§xx).

458. §21.2.2.206, "thickness (Thickness)", pp. 3861–3862, attribute val

[DR 09-0203]

Attributes	Description
val (Integer Value)	Specifies that the contents of this attribute contain ~~an integer number~~ a percentage. The contents of this number are interpreted based on the context of the parent XML element. The possible values for this attribute are defined by the ~~W3C XML Schema unsignedInt datatype~~ ST_Thickness simple type (§21.2.3.60).

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

459. §21.2.2.220, "userShapes (User Shapes)", p. 3867

[DR 09-0083]

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

Parent Elements
Root element of Chart Drawing Part

460. §21.2.3.5, "ST_BubbleScale (Bubble Scale)", pp. 3877–3878

[DR 09-0203]

This simple type specifies that its contents contain a~~n integer~~ percentage between 0% and 300%.

This simple type~~'s contents are a restriction of the W3C XML Schema unsignedInt datatype.~~ is a union of the following types:

- ST_BubbleScalePercent simple type (§21.2.3.59).

~~This 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 300.~~

461. §21.2.3.9, "ST_DepthPercent (Depth Percent)", p. 3880

[DR 09-0033]

This simple type specifies that its contents contain a ~~whole number~~percentage between 20% and 2000%~~, whose contents are a percentage~~.

This simple type~~'s contents are a restriction of the W3C XML Schema unsignedShort datatype~~ is a union of the following types:

- ST_DepthPercentWithSymbol simple type (§21.2.3.51).

~~This simple type also specifies the following restrictions:~~

- ~~This simple type has a minimum value of greater than or equal to 20.~~
- ~~This simple type has a maximum value of less than or equal to 2000.~~

462. §21.2.3.16, "ST_GapAmount (Gap Amount)", p. 3883

[DR 09-0203]

This simple type specifies that its contents contain ~~an integer~~ a percentage between 0% and 500%~~, whose contents are a percentage~~.

This simple type~~'s contents are a restriction of the W3C XML Schema unsignedShort datatype.~~ is a union of the following types:

- ST_GapAmountPercent simple type (§21.2.3.53).

~~This 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 500.~~

463. §21.2.3.18, "ST_HoleSize (Hole Size)", p. 3884

[DR 09-0002]

This simple type specifies that its contents contain an integer between 1~~0~~ and 90, whose contents are a percentage.

…

- This simple type has a minimum value of greater than or equal to 1~~0~~.

464. §21.2.3.18, "ST_HoleSize (Hole Size)", p. 3884

[DR 09-0203]

This simple type specifies that its contents contain a~~n~~ percentage ~~integer~~ between 10% and 90%~~, whose contents are a percentage~~.

This simple type~~'s contents are a restriction of the W3C XML Schema unsignedByte datatype.~~ is a union of the following types:

- ST_HoleSizePercent simple type (§21.2.3.56).

~~This simple type also specifies the following restrictions:~~

- ~~This simple type has a minimum value of greater than or equal to 10.~~
- ~~This simple type has a maximum value of less than or equal to 90.~~

465. §21.2.3.19, "ST_HPercent (Height Percent)", p. 3885

[DR 09-0033]

This simple type specifies that its contents contain ~~an integer~~a percentage between 5% and 500%~~, whose contents are a percentage~~.

This simple type~~'s contents are a restriction of the W3C XML Schema unsignedShort datatype.~~ is a union of the following types:

- ST_HPercentWithSymbol simple type (§21.2.3.52).

~~This simple type also specifies the following restrictions:~~

- ~~This simple type has a minimum value of greater than or equal to 5.~~
- ~~This simple type has a maximum value of less than or equal to 500.~~

466. §21.2.3.23, "ST_LblOffset (Label Offset)", pp. 3886–3887

[DR 09-0203]

This simple type specifies that its contents contain a~~n integer~~ percentage between 0% and 1000%~~, whose contents are a percentage of the default value~~.

This simple type~~'s contents are a restriction of the W3C XML Schema unsignedShort datatype~~ is a union of the following types:

- ST_LblOffsetPercent simple type (§21.2.3.57).

~~This 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 1000.~~

467. §21.2.3.31, "ST_Overlap (Overlap)", p. 3891

[DR 09-0203]

This simple type specifies that its contents contain a~~n integer~~ percentage between -100% and 100%~~, whose contents are a percentage~~.

This simple type~~'s contents are a restriction of the W3C XML Schema byte datatype~~ is a union of the following types:

- ST_OverlapPercent simple type (§21.2.3.58).

~~This simple type also specifies the following restrictions:~~

- ~~This simple type has a minimum value of greater than or equal to -100.~~
- ~~This simple type has a maximum value of less than or equal to 100.~~

468. §21.2.3.33, "ST_Period (Period)", p. 3892

[DR 09-0003]

This simple type specifies that its contents contain an integer greater than or equal to 2~~between 2 and 255~~.

This simple type's contents are a restriction of the W3C XML Schema unsigned Int~~Byte~~ datatype.

This simple type also specifies the following restrictions:

- This simple type has a minimum value of greater than or equal to 2.
- This simple type has an unbounded maximum value~~ of less than or equal to 255~~.

469. §21.2.3.33, "ST_Period (Period)", p. 3892, enumeration value auto

[DR 09-0004]

Enumeration Value	Description
auto (Auto)	Specifies an application-specific marker shall be drawn at each data point.

470. §21.2.3.34, "ST_Perspective (Perspective)", p. 3892

[DR 09-0005]

This simple type specifies that its contents contain an integer between 0 and 240~~100~~, whose unit is one-half degrees~~contents are a percentage~~.

471. §21.2.3.34, "ST_Perspective (Perspective)", p. 3892

[DR 09-0203]

This simple type specifies that its contents contain ~~an integer~~ a percentage between 0% and ~~100~~240%~~, whose contents are a percentage~~.

This simple type~~'s contents are a restriction of the W3C XML Schema unsignedByte datatype.~~ is a union of the following types:

- ST_PerspectivePercent simple type (§21.2.3.54).

~~This 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.~~

472. §21.2.3.41, "ST_SecondPieSize (Second Pie Size)", p. 3896

[DR 09-0203]

This simple type specifies that its contents contain ~~an integer~~ a percentage between 5% and 200%~~, whose contents consist of a percentage~~.

This simple type~~'s contents are a restriction of the W3C XML Schema unsignedShort datatype.~~ is a union of the following types:

- ST_SecondPieSizePercent simple type (§21.2.3.55).

~~This simple type also specifies the following restrictions:~~

- ~~This simple type has a maximum value of less than or equal to 200.~~
- ~~This simple type has a minimum value of greater than or equal to 5.~~

473. §21.2.3.44, "ST_Skip (Skip)", p. 3897

[DR 09-0006]

This simple type's contents are a restriction of the W3C XML Schema unsignedInt~~Short~~ datatype.

474. §21.2.3.51, "ST_DepthPercentWithSymbol (Depth Percent with Symbol)", new subclause

[DR 09-0033]

This simple type specifies that its contents contain a percentage between 20% and 2000%.

The simple type's contents shall match the following regular expression pattern:
0*(([2-9][0-9])|([1-9][0-9][0-9])|(1[0-9][0-9][0-9])|2000)%.

Referenced By
ST_DepthPercent (§21.2.3.9)

475. §21.2.3.52, "ST_HPercentWithSymbol (Height Percent with Symbol)", new subclause

[DR 09-0033]

This simple type specifies that its contents contain a percentage between 5% and 500%.

The simple type's contents shall match the following regular expression pattern:

0*(([5-9])|([1-9][0-9])|([1-4][0-9][0-9])|500)%.

Referenced By
ST_HPercent (§21.2.3.19)

476. §21.2.3.53, "ST_GapAmountPercent (Gap Amount Percentage)", new subclause

[DR 09-0203]

This simple type specifies that its contents contain a percentage between 0% and 500%.

The simple type's contents shall match the following regular expression pattern:

0*(([0-9])|([1-9][0-9])|([1-4][0-9][0-9])|500)%.

Referenced By
ST_GapAmount (§21.2.3.16)

477. §21.2.3.54, "ST_PerspectivePercent (Perspective Percentage)", new subclause

[DR 09-0203]

This simple type specifies that its contents contain a percentage between 0% and 240%.

The simple type's contents shall match the following regular expression pattern:

0* (([0-9])|([1-9][0-9])|(1[0-9][0-9])|(2[0-3][0-9])|240)%.

Referenced By

Referenced By
ST_Perspective (§21.2.3.34)

478. §21.2.3.55, "ST_SecondPieSizePercent (Second Pie Size Percentage)", new subclause

[DR 09-0203]

This simple type specifies that its contents contain a percentage between 5% and 200%.

The simple type's contents shall match the following regular expression pattern:

0* (([5-9])|([1-9][0-9])|(1[0-9][0-9])|200)%.

Referenced By
ST_SecondPieSize (§21.2.3.41)

479. §21.2.3.56, "ST_HoleSizePercent (Hole Size Percentage)", new subclause

[DR 09-0203]

This simple type specifies that its contents contain a percentage between 10% and 90%.

The simple type's contents shall match the following regular expression pattern: 0*(([1-8][0-9])|90)%.

Referenced By
ST_HoleSize (§21.2.3.18)

480. §21.2.3.57, "ST_LblOffsetPercent (Label Offset Percentage)", new subclause

[DR 09-0203]

This simple type specifies that its contents contain a percentage between 0% and 1000%.

The simple type's contents shall match the following regular expression pattern:

0*(([0-9])|([1-9][0-9])|([1-9][0-9][0-9])|1000)%.

Referenced By
ST_LblOffset (§21.2.3.23)

481. §21.2.3.58, "ST_OverlapPercent (Overlap Percentage)", new subclause

[DR 09-0203]

This simple type specifies that its contents contain a percentage between -100% and 100%.

The simple type's contents shall match the following regular expression pattern:

(-?0*(([0-9])|([1-9][0-9])|100))%.

Referenced By
ST_Overlap (§21.2.3.31)

482. §21.2.3.59, "ST_BubbleScalePercent (Bubble Scale Percentage)", new subclause

[DR 09-0203]

This simple type specifies that its contents contain a percentage between 0% and 300%.

The simple type's contents shall match the following regular expression pattern:

0*(([0-9])|([1-9][0-9])|([1-2][0-9][0-9])|300)%.

Referenced By
ST_BubbleScale (§21.2.3.5)

483. §21.2.3.60, "ST_Thickness (Thickness Percentage)", new subclause

[DR 09-0203]

This simple type specifies that its contents contain a percentage.

This simple type is a union of the following types:

- ST_ThicknessPercent simple type (§21.2.3.61).

484. §21.2.3.61, "ST_ThicknessPercent (Thickness Percentage)", new subclause

[DR 09-0203]

This simple type specifies that its contents contain a percentage.

The simple type's contents shall match the following regular expression pattern: ([0-9]+)%.

Referenced By
ST_Thickness (§xx)

485. §21.4.3.4, "prSet (Property Set)", pp. 3983–3984 attributes various

[DR 08-0004]

Attributes	Description
custLinFactNeighborX (Neighbor Offset Width)	Specifies the percentage of the neighbor's width used for offsetting shape. The possible values for this attribute are defined by the ~~W3C XML Schema int datatype~~ST_PrSetCustVal simple type (§xx).
custLinFactNeighborY (Neighbor Offset Height)	Specifies the percentage of the neighbor's height used for offsetting shape. The possible values for this attribute are defined by the ~~W3C XML Schema int datatype~~ST_PrSetCustVal simple type (§xx).
custLinFactX (Custom Factor Width)	Specifies the percentage of the current shape width used for offsetting the shape. The possible values for this attribute are defined by the ~~W3C XML Schema int datatype~~ST_PrSetCustVal simple type (§xx).
custLinFactY (Custom Factor Height)	Specifies the percentage of the current shape height used for offsetting the shape. The possible values for this attribute are defined by the ~~W3C XML Schema int datatype~~ST_PrSetCustVal simple type (§xx).
custRadScaleInc (Include Angle Scale)	Specifies the ~~amount~~percent that the include angle has been scaled by. The possible values for this attribute are defined by the ~~W3C XML Schema int datatype~~ST_PrSetCustVal simple type (§xx).
custRadScaleRad (Radius Scale)	Specifies the percent that~~how much~~ the radius has been scaled by. The possible values for this attribute are defined by the ~~W3C XML Schema int datatype~~ST_PrSetCustVal simple type (§xx).
custScaleX (Width Scale)	Specifies the ~~amount~~percent that the width has been scaled by. The possible values for this attribute are defined by the ~~W3C XML Schema int datatype~~ST_PrSetCustVal simple type (§xx).
custScaleY (Height Scale)	Specifies the ~~amount~~percent that the height has been scaled by. The possible values for this attribute are defined by the ~~W3C XML Schema int datatype~~ST_PrSetCustVal simple type (§xx).

486. §21.4.7.66, "ST_PrSetCustVal (Property Set Customized Value)", new subclause

[DR 08-0004]

This simple type defines customization percentage values for certain elements in DrawingML.

This simple type is a union of the following types:

- The ST_Percentage simple type (§22.9.2.9).

Referenced By
prSet@custScaleX (§21.4.3.4); prSet@custScaleY (§21.4.3.4); prSet@custLinFactX (§21.4.3.4); prSet@custLinFactY (§21.4.3.4); prSet@ custLinFactNeighborX (§21.4.3.4); prSet@ custLinFactNeighborY (§21.4.3.4); prSet@ custRadScaleRad (§21.4.3.4); prSet@custRadScaleInc (§21.4.3.4);

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

487. §22.1.2.3, "aln (Alignment)", p. 4074

[DR 09-0148]

This element … emulator. When `1` or `true`, this operator …

488. §22.1.2.5, "argPr (Argument Properties)", p. 4078

[DR 09-0149]

{In the next reprint or revision, no page breaks will be allowed within this table (and the editor will try to inhibit them for any given row of any table, as appropriate).}

489. §22.1.2.18, "cGp (Matrix Column Gap)", p. 4094

[DR 09-0148]

This element … default value is `0` (which …

490. §22.1.2.19, "cGpRule (Matrix Column Gap Rule)", p. 4095 and many others

[DR 09-0150]

This element specifies the type of gap (horizontal spacing) between columns of a matrix; the default is '0'. Horizontal spacing units can be ems or points (stored as twips).

491. §22.1.2.22, "cSp (Minimum Matrix Column Width)", p. 4099

[DR 09-0150]

… If this element is omitted, the default minimum column width is '0'. … Therefore, a spacing of '1' point will be set by a cSp value of '20'. …

492. §22.1.2.22, "cSp (Minimum Matrix Column Width)", p. 4100

[DR 09-0151]

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

493. §22.1.2.26, "deg (Degree)", pp. 4104–4107

[DR 09-0011]

Child Elements	Subclause
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

494. §22.1.2.28, "den (Denominator)", pp. 4108–4110

[DR 09-0011]

Child Elements	Subclause
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

495. §22.1.2.32, "e (Element (Argument))", p. 4114

[DR 09-0152]

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

496. §22.1.2.32, "e (Element)", pp. 4115–4117

[DR 09-0011]

Child Elements	Subclause

Child Elements	Subclause
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

497. §22.1.2.37, "fName (Function Name)", p. 4122

[DR 09-0152]

[*Example*: As an example, the func $\lim_{n\to\infty} x_n$ ~~x_n~~ has fName $\lim_{n\to\infty}$ and e x_n:

498. §22.1.2.37, "fName (Function Name)", pp. 4123–4125

[DR 09-0011]

Child Elements	Subclause
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

499. §22.1.2.39, "func (Function Apply Object)", p. 4126

[DR 09-0152]

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

500. §22.1.2.52, "lim (Limit)", pp. 4138–4139

[DR 09-0011]

Child Elements	Subclause
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

501. §22.1.2.75, "num (Numerator)", pp. 4171–4172

[DR 09-0011]

Child Elements	Subclause
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

502. §22.1.2.77, "oMath (Office Math)", pp. 4174–4176

[DR 09-0011]

Child Elements	Subclause
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

503. §22.1.2.83, "plcHide (Hide Placeholders (Matrix))", p. 4181

[DR 09-0154]

{The six placeholders in the left matrix are now visible, as follows:}

$$\begin{pmatrix} 1 & \square & \square \\ \square & 1 & \square \\ \square & \square & 1 \end{pmatrix}\begin{pmatrix} 1 & & \\ & 1 & \\ & & 1 \end{pmatrix}$$

504. §22.1.2.95, "sepChr (Delimiter Separator Character)", p. 4193

[DR 09-0153]

[*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 setsdescribes the COLON (:) as thea separator character: if :.

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

end example]

505. §22.1.2.105, "sSup (Superscript Object)", p. 4202

[DR 09-0148]

This element … scr placed above and …

506. §22.1.2.112, "sub (Subscript (Pre-Sub-Superscript))", pp. 4209–4210

[DR 09-0011]

Child Elements	Subclause
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

507. §22.1.2.114, "sup (Superscript (Superscript object))", pp. 4212–4213

[DR 09-0011]

Child Elements	Subclause
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

508. §22.5.2.2, "schemaRef (Associated XML Schema)", p. 4262, attribute uri

[DR 09-0147]

Attributes	Description
uri (Target Namespace of Associated XML Schema)	… The uri attribute specifies the target namespace of each XML schema reference: • http://www.example.com/schema1 • http://www.example.com/schema2 …

509. §22.6.2.5, "Author (Author)", p. 4269, new attribute

[DR 09-0026]

Attributes	Description

Attributes	Description
xml:space (Content Contains Significant Whitespace) Namespace: http://www.w3.org/XML/1998/namespace	Specifies how white space should be handled for the contents of this element using the W3C space preservation rules. The possible values for this attribute are defined by §2.10 of the XML 1.0 specification.

510. §22.9.2.1, "ST_CalendarType (Calendar Types)", p. 4319, attribute hebrew

[DR 09-0088]

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.

511. §22.9.2.13, "ST_String (String)", p. 4329

[DR 08-0014]

This simple type specifies that its contents contains a string. ~~The contents of this string are interpreted based on the context of the parent XML element.~~

~~[*Example*: Consider the following WordprocessingML fragment:~~

```
<w:pPr>
  <w:pStyle w:val="heading1" />
</w:pPr>
```

~~The value of the val attribute is the ID of the associated paragraph style's `styleId`. However, consider the following fragment:~~

```
<w:sdtPr>
  <w:alias w:val="SDT Title Example" />
  …
</w:sdtPr>
```

~~In this case, the decimal number in the val attribute is the caption of the parent structured document tag. In each case, the value is of type ST_String, and therefore must be interpreted in the context of the parent element. *end example*~~]

This simple type's contents are a restriction of the W3C XML Schema string datatype.

512. §22.9.2.13, "ST_String (String)", p. 4329

[DR 09-0227]

[*Example*: Consider the following WordprocessingML fragment:

```
<w:pPr>
  <w:pStyle w:val="Heading1heading1" />
</w:pPr>
```

513. §22.9.2.15, "ST_UniversalMeasure (Universal Measurement)", p. 4332

[DR 09-0158]

Unit Identifier	Definition
cm	As defined in ISO 31.
mm	As defined in ISO 31.
in	1 in = 2.54 cm (informative)
pt	1 pt = 1/72 in (informative)
pc	1 pc = 12 pt (informative)
pi	1 pi = 12 pt (informative)

514. §A.1, "WordprocessingML", p. 4345

[DR 09-0276]

This schema is available in the file wml.xsd.

515. §A.1, "WordprocessingML", p. 4347, lines 108–113

[DR 09-0202]

```
   <xsd:simpleType name="ST_TextScale">
      <xsd:union memberTypes="ST_TextScalePercent"/>
      <xsd:restriction base="xsd:integer">
         <xsd:minInclusive value="0"/>
         <xsd:maxInclusive value="600"/>
      </xsd:restriction>
   </xsd:simpleType>
   <xsd:simpleType name="ST_TextScalePercent">
      <xsd:pattern value="0*(600|([0-5]?[0-9]?[0-9]))%"/>
   </xsd:simpleType>
```

516. §A.1, “WordprocessingML”, p. 4378, lines 1780–1786

[DR 09-0017, DR 09-0018]

```
<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_RPrChangeCT_MathCtrlDel"/>
  </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>
<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>
```

517. §A.1, “WordprocessingML”, p. 4385, lines 2143–2146

[DR 09-0246]

```
<xsd:simpleType name="ST_MeasurementOrPercent">
  <xsd:union memberTypes="ST_DecimalNumberOrPercent s:ST_UniversalMeasure"/>
</xsd:simpleType>
<xsd:complexType name="CT_TblWidth">
  <xsd:attribute name="w"
    type="ST_DecimalNumberOrPercentST_MeasurementOrPercent"/>
  <xsd:attribute name="type" type="ST_TblWidth"/>
</xsd:complexType>
```

518. §A.1, “WordprocessingML”, new type

[DR 09-0011]

```
<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_RunLevelElts" minOccurs="0" maxOccurs="unbounded" />
  </xsd:choice>
</xsd:group>
```

519. §A.2, “SpreadsheetML”, p. 4410

[DR 09-0276]

This schema is available in the file sml.xsd.

520. §A.2, “SpreadsheetML”, p. xx, lines xx–xx

[DR 09-0233]

<<W3C schema change description goes here>>

521. §A.2, “SpreadsheetML”, p. 4482, lines 3822–3829

[DR 09-0010]

```
<xsd:complexType name="CT_ExternalLink">
  <xsd:choice>
    …
    <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>
```

522. §A.3, "PresentationML", p. 3394

[DR 09-0276]

This schema is available in the file pml.xsd.

523. §A.3, "PresentationML", p. 4518, lines 1278–1286

[DR 09-0242]

```
   <xsd:complexType name="CT_GraphicalObjectFrame">
      <xsd:sequence>
         …
      </xsd:sequence>
      <xsd:attribute name="bwMode" type="ST_BlackWhiteMode" use="optional"/>
   </xsd:complexType>
```

524. §A.4.1, "DrawingML – Main", p. 4525

[DR 09-0276]

This schema is available in the file dml-main.xsd.

525. §A.4.1, "DrawingML – Main", p. 4529, lines 240–242

[DR 08-0001]

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

526. §A.4.1, "DrawingML - Main", p. 4546, lines 1103–1110

[DR 08-0002]

```
<xsd:complexType name="CT_Camera">
  …
  <xsd:attribute name="zoom" type="ST_PositivePercentage"
    use="optional" default="100000100%" />
</xsd:complexType>
```

527. §A.4.1, "DrawingML - Main", p. 4577, lines 2742–2747

[DR 08-0007]

```
<xsd:simpleType name="ST_TextBulletSize">
  <xsd:union memberTypes="ST_TextBulletSizePercent"/>
</xsd:simpleType>
<xsd:simpleType name="ST_TextBulletSizePercent">
  <xsd:restriction base="ST_PercentageDecimal">
    <xsd:minInclusive value="25000"/>
    <xsd:maxInclusive value="400000"/>
  </xsd:restriction>
  <xsd:pattern value="0*((2[5-9])|([3-9][0-9])|([1-3][0-9][0-9])|400)%"/>
</xsd:simpleType>
```

528. §A.4.1, "DrawingML - Main", p. 4578, lines 2814–2819

[DR 09-0240]

```
   <xsd:complexType name="CT_TextFont">
      <xsd:attribute name="typeface" type="ST_TextTypeface" use="required"/>
      …
   </xsd:complexType>
```

529. §A.4.2, "DrawingML – Picture", p. 4582

[DR 09-0276]

This schema is available in the file dml-picture.xsd.

530. §A.4.3, "DrawingML - Locked Canvas", p. 4583

[DR 09-0276]

This schema is available in the file dml-lockedCanvas.xsd.

531. §A.4.4, "DrawingML - WordprocessingML Drawing", p. 4583

[DR 09-0276]

This schema is available in the file dml-spreadsheetDrawing.xsd.

532. §A.4.5, "DrawingML - SpreadsheetML Drawing", p. 4586

[DR 09-0276]

This schema is available in the file dml-wordprocessingDrawing.xsd.

533. §A.5.1, "DrawingML – Charts", p. 4590

[DR 09-0276]

This schema is available in the file dml-chart.xsd.

534. §A.5.1, "DrawingML - Charts", p. 4594, lines 198–206

[DR 09-0033]

```
<xsd:simpleType name="ST_HPercent">
  <xsd:restriction base="xsd:unsignedShort">
    <xsd:minInclusive value="5"/>
    <xsd:maxInclusive value="500"/>
  </xsd:restriction>
  <xsd:union memberTypes="ST_HPercentWithSymbol"/>
</xsd:simpleType>

<xsd:simpleType name="ST_HPercentWithSymbol">
  <xsd:pattern value="0*(([5-9])|([1-9][0-9])|([1-4][0-9][0-9])|500)%"/>
</xsd:simpleType>

<xsd:complexType name="CT_HPercent">
  <xsd:attribute name="val" type="ST_HPercent" default="100%"/>
</xsd:complexType>
```

535. §A.5.1, "DrawingML - Charts", p. 4594, lines 216–224

[DR 09-0033]

```
<xsd:simpleType name="ST_DepthPercent">
  <xsd:restriction base="xsd:unsignedShort">
    <xsd:minInclusive value="20"/>
    <xsd:maxInclusive value="2000"/>
  </xsd:restriction>
  <xsd:union memberTypes="ST_DepthPercentWithSymbol"/>
</xsd:simpleType>

<xsd:simpleType name="ST_DepthPercentWithSymbol">
  <xsd:pattern value="0*(([2-9][0-9])|([1-9][0-9][0-9])|(1[0-9][0-9][0-
    9])|2000)%"/>
</xsd:simpleType>

<xsd:complexType name="CT_DepthPercent">
  <xsd:attribute name="val" type="ST_DepthPercent" default="100%"/>
</xsd:complexType>
```

536. §A.5.1, “DrawingML - Charts”, p. 4594, lines 225–233

[DR 09-0203]

```
   <xsd:simpleType name="ST_Perspective">
      <xsd:restriction base="xsd:unsignedByte">
         <xsd:minInclusive value="0"/>
         <xsd:maxInclusive value="240"/>
      </xsd:restriction>
      <xsd:union memberTypes="ST_PerspectivePercent"/>
   </xsd:simpleType>

   <xsd:simpleType name="ST_PerspectivePercent">
      <xsd:pattern value="0*(([0-9])|([1-9][0-9])|(1[0-9][0-9])|(2|[0-3][0-
    9])|240)%"/>
   </xsd:simpleType>

   <xsd:complexType name="CT_Perspective">
      <xsd:attribute name="val" type="ST_Perspective" default="30%"/>
   </xsd:complexType>
```

537. §A.5.1, “DrawingML - Charts”, p. 4595, lines 245–252

[DR 09-0203]

```
   <xsd:complexType name="CT_Surface">
      <xsd:sequence>
         <xsd:element name="thickness" type="CT_UnsignedIntThickness "
          minOccurs="0" maxOccurs="1"/>
         <xsd:element name="spPr" type="a:CT_ShapeProperties" minOccurs="0"
          maxOccurs="1"/>
         <xsd:element name="pictureOptions" type="CT_PictureOptions" minOccurs="0"
          maxOccurs="1"/>
         <xsd:element name="extLst" type="CT_ExtensionList" minOccurs="0"
          maxOccurs="1"/>
      </xsd:sequence>
   </xsd:complexType>
```

```
   <xsd:simpleType name="ST_Thickness">
      <xsd:union memberTypes="ST_ThicknessPercent"/>
   </xsd:simpleType>

   <xsd:simpleType name="ST_ThicknessPercent">
      <xsd:pattern value="([0-9]+)%"/>
   </xsd:simpleType>

   <xsd:complexType name="CT_Thickness">
      <xsd:attribute name="val" type="ST_Thickness" use="required"/>
   </xsd:complexType>
```

538. §A.5.1, “DrawingML - Charts”, p. 4595, lines 264–272

[DR 09-0203]

```
   <xsd:simpleType name="ST_GapAmount">
      <xsd:restriction base="xsd:unsignedShort">
         <xsd:minInclusive value="0"/>
         <xsd:maxInclusive value="500"/>
      </xsd:restriction>
      <xsd:union memberTypes="ST_GapAmountPercent"/>
   </xsd:simpleType>

   <xsd:simpleType name="ST_GapAmountPercent">
      <xsd:pattern value="0*(([0-9])|([1-9][0-9])|([1-4][0-9][0-9])|500)%"/>
   </xsd:simpleType>
   <xsd:complexType name="CT_GapAmount">
      <xsd:attribute name="val" type="ST_GapAmount" default="150%"/>
   </xsd:complexType>
```

539. §A.5.1, “DrawingML - Charts”, p. 4595, lines 273–281

[DR 09-0203]

```
<xsd:simpleType name="ST_Overlap">
   <xsd:restriction base="xsd:byte">
      <xsd:minInclusive value="-100"/>
      <xsd:maxInclusive value="100"/>
      </xsd:restriction>
      <xsd:union memberTypes="ST_OverlapPercent"/>
   </xsd:simpleType>

   <xsd:simpleType name="ST_OverlapPercent">
      <xsd:pattern value="(-?0*(([0-9])|([1-9][0-9])|100))%"/>
   </xsd:simpleType>

   <xsd:complexType name="CT_Overlap">
      <xsd:attribute name="val" type="ST_Overlap" default="0%"/>
   </xsd:complexType>
```

540. §A.5.1, “DrawingML - Charts”, p. 4595–4596, lines 282–290

[DR 09-0203]

```
   <xsd:simpleType name="ST_BubbleScale">
      <xsd:restriction base="xsd:unsignedInt">
         <xsd:minInclusive value="0"/>
         <xsd:maxInclusive value="300"/>
      </xsd:restriction>
      <xsd:union memberTypes="ST_BubbleScalePercent"/>
   </xsd:simpleType>
   <xsd:simpleType name="ST_BubbleScalePercent">
      <xsd:pattern value="0*([0-9])|([1-9][0-9])|([1-2][0-9][0-9])|300)%"/>
   </xsd:simpleType>
   <xsd:complexType name="CT_BubbleScale">
      <xsd:attribute name="val" type="ST_BubbleScale" default="100%"/>
   </xsd:complexType>
```

541. §A.5.1, “DrawingML - Charts”, p. 4596, lines 309–317

[DR 09-0002, DR 09-0203]

```
<xsd:simpleType name="ST_HoleSize">
      <xsd:restriction base="xsd:unsignedByte">
      <xsd:minInclusive value="10"/>
      <xsd:maxInclusive value="90"/>
      </xsd:restriction>
      <xsd:union memberTypes="ST_HoleSizePercent"/>
   </xsd:simpleType>

   <xsd:simpleType name="ST_HoleSizePercent">
      <xsd:pattern value="0*([1-9]|([1-8][0-9])|90)%"/>
   </xsd:simpleType>
   <xsd:complexType name="CT_HoleSize">
      <xsd:attribute name="val" type="ST_HoleSize" default="10%"/>
   </xsd:complexType>
```

542. §A.5.1, “DrawingML - Charts”, pp. 4596–4597, lines 336–344

[DR 09-0203]

```
   <xsd:simpleType name="ST_SecondPieSize">
      <xsd:restriction base="xsd:unsignedShort">
         <xsd:minInclusive value="5"/>
         <xsd:maxInclusive value="200"/>
      </xsd:restriction>
      <xsd:union memberTypes="ST_SecondPieSizePercent"/>
   </xsd:simpleType>

   <xsd:simpleType name="ST_SecondPieSizePercent">
      <xsd:pattern value="0*(([5-9])|([1-9][0-9])|(1[0-9][0-9])|200)%"/>
   </xsd:simpleType>

   <xsd:complexType name="CT_SecondPieSize">
      <xsd:attribute name="val" type="ST_SecondPieSize" default="75%"/>
   </xsd:complexType>
```

543. §A.5.1, "Drawing ML - Charts", p. 4598, lines 424–438

[DR 09-0004]

```
<xsd:simpleType name="ST_MarkerStyle">
   <xsd:restriction base="xsd:string">
      <xsd:enumeration value="circle"/>
      …
      <xsd:enumeration value="x"/>
      <xsd:enumeration value="auto"/>
   </xsd:restriction>
</xsd:simpleType>
```

544. §A.5.1, "Drawing ML - Charts", p. 4599, lines 493–498

[DR 09-0003]

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

545. §A.5.1, "Drawing ML - Charts", p. 4609, lines 1024–1028

[DR 09-0006]

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

546. §A.5.1, "DrawingML - Charts", p. 4612, lines 1139–1147

[DR 09-0203]

```
<xsd:simpleType name="ST_LblOffset">
      <xsd:restriction base="xsd:unsignedShort">
      <xsd:minInclusive value="0"/>
      <xsd:maxInclusive value="1000"/>
      </xsd:restriction>
      <xsd:union memberTypes="ST_LblOffsetPercent"/>
   </xsd:simpleType>

   <xsd:simpleType name="ST_LblOffsetPercent">
      <xsd:pattern value="0*(([0-9])|([1-9][0-9])|([1-9][0-9][0-9])|1000)%"/>
   </xsd:simpleType>
   <xsd:complexType name="CT_LblOffset">
      <xsd:attribute name="val" type="ST_LblOffset" default="100%"/>
   </xsd:complexType>
```

547. §A.5.2, "DrawingML - Chart Drawing", p. 4617

[DR 09-0276]

This schema is available in the file dml-chartDrawing.xsd.

548. §A.5.3, "DrawingML – Diagrams", p. 4620

[DR 09-0276]

This schema is available in the file dml-diagram.xsd.

549. §A.5.3, "DrawingML - Diagrams", p. 4628, lines 427–430

[DR 08-0004]

```
  <xsd:simpleType name="ST_ModelId">
    <xsd:union memberTypes="xsd:int s:ST_Guid"/>
  </xsd:simpleType>
  <xsd:simpleType name="ST_PrSetCustVal">
```

```
        <xsd:union memberTypes="s:ST_Percentage"/>
</xsd:simpleType>
<xsd:complexType name="CT_ElemPropSet">
```

550. §A.5.3, "DrawingML - Diagrams", pp. 4628–4629, lines 455–463

[DR 08-0004]

```
<xsd:attribute name="custScaleX" type="~~xsd:int~~ST_PrSetCustVal"
use="optional">
</xsd:attribute>
<xsd:attribute name="custScaleY" type="~~xsd:int~~ST_PrSetCustVal"
use="optional">
</xsd:attribute>
<xsd:attribute name="custT" type="xsd:boolean" use="optional">
</xsd:attribute>
<xsd:attribute name="custLinFactX" type="~~xsd:int~~ST_PrSetCustVal"
use="optional">
</xsd:attribute>
<xsd:attribute name="custLinFactY" type="~~xsd:int~~ST_PrSetCustVal"
use="optional">
</xsd:attribute>
<xsd:attribute name="custLinFactNeighborX" type="~~xsd:int~~ST_PrSetCustVal"
use="optional">
</xsd:attribute>
<xsd:attribute name="custLinFactNeighborY" type="~~xsd:int~~ST_PrSetCustVal"
use="optional">
</xsd:attribute>
<xsd:attribute name="custRadScaleRad" type="~~xsd:int~~ST_PrSetCustVal"
use="optional">
</xsd:attribute>
<xsd:attribute name="custRadScaleInc" type="~~xsd:int~~ST_PrSetCustVal"
use="optional">
</xsd:attribute>
```

551. §A.6.1, "Math", p. 4641

[DR 09-0276]

This schema is available in the file shared-math.xsd.

552. §A.6.1, "Math", p. 4650, lines 488–493

[DR 09-0011]

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

553. §B.1, “WordprocessingML”, p. 4667

[DR 09-0276]

This schema is available in the file wml.rnc.

554. §A.6.2, “Extended Properties”, p. 4652

[DR 09-0276]

This schema is available in the file shared-documentPropertiesExtended.xsd.

555. §A.6.3, “Custom Properties”, p. 4653

[DR 09-0276]

This schema is available in the file shared-documentPropertiesCustom.xsd.

556. §A.6.4, “Variant Types”, p. 4654

[DR 09-0276]

This schema is available in the file shared-documentPropertiesVariantTypes.xsd.

557. §A.6.5, “Custom XML Data Properties”, p. 4658

[DR 09-0276]

This schema is available in the file shared-customXmlDataProperties.xsd.

558. §A.6.6, “Bibliography”, p. 4658

[DR 09-0276]

This schema is available in the file shared-bibliography.xsd.

559. §A.6.7, “Additional Characteristics”, p. 4661

[DR 09-0276]

This schema is available in the file shared-additionalCharacteristics.xsd.

560. §A.6.8, “Office Document Relationships”, p. 4662

[DR 09-0276]

This schema is available in the file shared-relationshipReference.xsd.

561. §A.6.9, “Shared Simple Types”, p. 4662

[DR 09-0276]

This schema is available in the file shared-commonSimpleTypes.xsd.

562. §A.7, “Custom XML Schema References”, p. 4665

[DR 09-0276]

This schema is available in the file shared-customXmlSchemaProperties.xsd.

563. §B.1, “WordprocessingML”, p. 4667, line 48

[DR 09-0202]

<<Relax NG schema change description goes here>>

564. §B.1, “WordprocessingML”, p. 4688, lines 1134–1137

[DR 09-0017]

<<Relax NG schema change description goes here>>

565. §B.1, “WordprocessingML”, p. 4688, lines 1134–1137

[DR 09-0018]

<<Relax NG schema change description goes here>>

566. §B.1, “WordprocessingML”, p. 4692, lines 1338–1340

[DR 09-0246]

<<Relax NG schema change description goes here>>

567. §B.1, “WordprocessingML”, new type

[DR 09-0011]

<<Relax NG schema change description goes here>>

568. §B.1.1.1, “Comments Part”, p. 4708

[DR 09-0276]

This schema is available in the file WordprocessingML_Comments.rnc.

569. §B.1.1.2, “Document Settings Part”, p. 4708

[DR 09-0276]

This schema is available in the file WordprocessingML_Document_Settings.rnc.

570. §B.1.1.3, “Endnotes Part”, p. 4708

[DR 09-0276]

This schema is available in the file WordprocessingML_Endnotes.rnc.

571. §B.1.1.4, “Font Table Part”, p. 4709

[DR 09-0276]

This schema is available in the file WordprocessingML_Font_Table.rnc.

572. §B.1.1.5, “Footer Part”, p. 4709

[DR 09-0276]

This schema is available in the file WordprocessingML_Footer.rnc.

573. §B.1.1.6, “Footnotes Part”, p. 4709

[DR 09-0276]

This schema is available in the file WordprocessingML_Footnotes.rnc.

574. §B.1.1.7, “Glossary Document Part”, p. 4710

[DR 09-0276]

This schema is available in the file WordprocessingML_Glossary_Document.rnc.

575. §B.1.1.8, “Header Part”, p. 4710

[DR 09-0276]

This schema is available in the file WordprocessingML_Header.rnc.

576. §B.1.1.9, “Mail Merge Recipient Data Part”, p. 4710

[DR 09-0276]

This schema is available in the file WordprocessingML_Mail_Merge_Recipient_Data.rnc.

577. §B.1.1.10, “Main Document Part”, p. 4711

[DR 09-0276]

This schema is available in the file WordprocessingML_Main_Document.rnc.

578. §B.1.1.11, “Numbering Definitions Part”, p. 4711

[DR 09-0276]

This schema is available in the file WordprocessingML_Numbering_Definitions.rnc.

579. §B.1.1.12, “Style Definitions Part”, p. 4711

[DR 09-0276]

This schema is available in the file WordprocessingML_Style_Definitions.rnc.

580. §B.1.1.13, “Web Settings Part”, p. 4712

[DR 09-0276]

This schema is available in the file WordprocessingML_Web_Settings.rnc.

581. §B.2, “SpreadsheetML”, p. 4712

[DR 09-0276]

This schema is available in the file sml.rnc.

582. §B.2, “SpreadsheetML”, p. xx, lines xx–xx

[DR 09-0233]

<<Relax NG schema change description goes here>>

583. §B.2, “SpreadsheetML”, p. 4789, lines 4056–4060

[DR 09-0010]

<<Relax NG schema change description goes here>>

584. §B.2.1.1, “Calculation Chain Part”, p. 4800

[DR 09-0276]

This schema is available in the file SpreadsheetML_Calculation_Chain.rnc.

585. §B.2.1.2, “Chartsheet Part”, p. 4800

[DR 09-0276]

This schema is available in the file SpreadsheetML_Chartsheet.rnc.

586. §B.2.1.3, “Comments Part”, p. 4800

[DR 09-0276]

This schema is available in the file SpreadsheetML_Comments.rnc.

587. §B.2.1.4, “Connections Part”, p. 4801

[DR 09-0276]

This schema is available in the file SpreadsheetML_Connections.rnc.

588. §B.2.1.5, “Custom XML Mappings Part”, p. 4801

[DR 09-0276]

This schema is available in the file SpreadsheetML_Custom_XML_Mappings.rnc.

589. §B.2.1.6, “Dialogsheet Part”, p. 4801

[DR 09-0276]

This schema is available in the file SpreadsheetML_Dialogsheet.rnc.

590. §B.2.1.7, “Drawing Part”, p. 4801

[DR 09-0276]

This schema is available in the file SpreadsheetML_Drawing.rnc.

591. §B.2.1.8, “External Workbook References Part”, p. 4802

[DR 09-0276]

This schema is available in the file SpreadsheetML_External_Workbook_References.rnc.

592. §B.2.1.9, “Metadata Part”, p. 4802

[DR 09-0276]

This schema is available in the file SpreadsheetML_Metadata.rnc.

593. §B.2.1.10, “Pivot Table Part”, p. 4802

[DR 09-0276]

This schema is available in the file SpreadsheetML_Pivot_Table.rnc.

594. §B.2.1.11, “Pivot Table Cache Definition Part”, p. 4803

[DR 09-0276]

This schema is available in the file SpreadsheetML_Pivot_Table_Cache_Definition.rnc.

595. §B.2.1.12, “Pivot Table Cache Records Part”, p. 4803

[DR 09-0276]

This schema is available in the file SpreadsheetML_Pivot_Table_Cache_Records.rnc.

596. §B.2.1.13, “Query Table Part”, p. 4803

[DR 09-0276]

This schema is available in the file SpreadsheetML_Query_Table.rnc.

597. §B.2.1.14, “Shared String Table Part”, p. 4803

[DR 09-0276]

This schema is available in the file SpreadsheetML_Shared_String_Table.rnc.

598. §B.2.1.15, “Shared Workbook Revision Headers Part”, p. 4804

[DR 09-0276]

This schema is available in the file SpreadsheetML_Shared_Workbook_Revision_Headers.rnc.

599. §B.2.1.16, “Shared Workbook Revision Log Part”, p. 4804

[DR 09-0276]

This schema is available in the file SpreadsheetML_Shared_Workbook_Revision_Log.rnc.

600. §B.2.1.17, “Shared Workbook User Data Part”, p. 4804

[DR 09-0276]

This schema is available in the file SpreadsheetML_Shared_Workbook_User_Data.rnc.

601. §B.2.1.18, “Single Cell Table Definitions Part”, p. 4804

[DR 09-0276]

This schema is available in the file SpreadsheetML_Single_Cell_Table_Definitions.rnc.

602. §B.2.1.19, “Styles Part”, p. 4805

[DR 09-0276]

This schema is available in the file SpreadsheetML_Styles.rnc.

603. §B.2.1.20, “Table Definitions Part”, p. 4805

[DR 09-0276]

This schema is available in the file SpreadsheetML_Table_Definitions.rnc.

604. §B.2.1.21, “Volatile Dependencies Part”, p. 4805

[DR 09-0276]

This schema is available in the file SpreadsheetML_Volatile_Dependencies.rnc.

605. §B.2.1.22, “Workbook Part”, p. 4806

[DR 09-0276]

This schema is available in the file SpreadsheetML_Workbook.rnc.

606. §B.2.1.23, “Worksheet Part”, p. 4806

[DR 09-0276]

This schema is available in the file SpreadsheetML_Worksheet.rnc.

607. §B.3, “PresentationML”, p. 4828

[DR 09-0276]

This schema is available in the file pml.rnc.

608. §B.3, "PresentationML", p. 4818, line 606

[DR 09-0079]

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

609. §B.3, "PresentationML", pp. 4822–4823, lines 864–868

[DR 09-0242]

```
p_CT_GraphicalObjectFrame =
  …
  attribute bwMode { a_ST_BlackWhiteMode }?
```

610. §B.3.1.1, "Comment Authors Part", p. 4828

[DR 09-0276]

This schema is available in the file PresentationML_Comments.rnc.

611. §B.3.1.2, "Comments Part", p. 4828

[DR 09-0276]

This schema is available in the file PresentationML_Comment_Authors.rnc.

612. §B.3.1.3, "Handout Master Part", p. 4828

[DR 09-0276]

This schema is available in the file PresentationML_Handout_Master.rnc.

613. §B.3.1.4, "Notes Master Part", p. 4828

[DR 09-0276]

This schema is available in the file PresentationML_Notes_Master.rnc.

614. §B.3.1.5, "Notes Slide Part", p. 4829

[DR 09-0276]

This schema is available in the file PresentationML_Notes_Slide.rnc.

615. §B.3.1.6, “Presentation Part”, p. 4829

[DR 09-0276]

This schema is available in the file PresentationML_Presentation.rnc.

616. §B.3.1.7, “Presentation Properties Part”, p. 4829

[DR 09-0276]

This schema is available in the file PresentationML_Presentation_Properties.rnc.

617. §B.3.1.8, “Slide Part”, p. 4829

[DR 09-0276]

This schema is available in the file PresentationML_Slide.rnc.

618. §B.3.1.9, “Slide Layout Part”, p. 4830

[DR 09-0276]

This schema is available in the file PresentationML_Slide_Layout.rnc.

619. §B.3.1.10, “Slide Master Part”, p. 4830

[DR 09-0276]

This schema is available in the file PresentationML_Slide_Master.rnc.

620. §B.3.1.11, “Slide Synchronization Data Part”, p. 4830

[DR 09-0276]

This schema is available in the file PresentationML_Slide_Synchronization_Data.rnc.

621. §B.3.1.12, “User Defined Tags Part”, p. 4831

[DR 09-0276]

This schema is available in the file PresentationML_Presentation.rnc.

622. §B.3.1.13, “View Properties Part”, p. 4831

[DR 09-0276]

This schema is available in the file PresentationML_Presentation_Properties.rnc.

623. §B.4.1, "DrawingML - Main", p. 4831

[DR 09-0276]

This schema is available in the file dml-main.rnc.

624. §B.4.1, "DrawingML – Main", p. 4834, line 134

[DR 08-0001]

```
~~a_ST_PercentageDecimal = xsd:int~~
```

625. §B.4.1, "DrawingML - Main", p. 4871, lines 2115–2116

[DR 08-0007]

```
a_ST_TextBulletSize = a_ST_TextBulletSizePercent
a_ST_TextBulletSizePercent =
~~  xsd:int { minInclusive = "25000" maxInclusive = "400000" }~~
  xsd:string {
    pattern = "((2[5-9])|([3-9][0-9])|([1-3][0-9][0-9])|400)%"
  }
```

626. §B.4.1, "DrawingML - Main", p. 4872, lines 2150–2158

[DR 09-0240]

```
a_CT_TextFont =
  attribute typeface { a_ST_TextTypeface }~~?~~,
  …
  attribute charset { xsd:byte }?
```

627. §B.4.1.1.1, "Table Styles Part", p. 4874

[DR 09-0276]

This schema is available in the file DrawingML_Table_Styles.rnc.

628. §B.4.1.1.2, "Theme Part", p. 4875

[DR 09-0276]

This schema is available in the file DrawingML_Theme.rnc.

629. §B.4.1.1.3, "Theme Override Part", p. 4875

[DR 09-0276]

This schema is available in the file DrawingML_Theme_Override.rnc.

630. §B.4.1.1.3, "Theme Override Part", p. 4875, line 10

[DR 09-0077]

```
start = a_themeOverride
```

631. §B.4.2, "DrawingML - Picture", p. 4875

[DR 09-0276]

This schema is available in the file dml-picture.rnc.

632. §B.4.3, "DrawingML - Locked Canvas", p. 4876

[DR 09-0276]

This schema is available in the file dml-lockedCanvas.rnc.

633. §B.4.4, "DrawingML - WordprocessingML Drawing", p. 4876

[DR 09-0276]

This schema is available in the file dml-wordprocessingDrawing.rnc.

634. §B.4.5, "DrawingML - SpreadsheetML Drawing", p. 4878

[DR 09-0276]

This schema is available in the file dml-spreadsheetDrawing.rnc.

635. §B.5.1, "DrawingML - Charts", p. 4880

[DR 09-0276]

This schema is available in the file dml-chart.rnc.

636. §B.5.1, "DrawingML - Charts", p. 4882, lines 118–123

[DR 09-0033]

<<Relax NG schema change description goes here>>

637. §B.5.1, "DrawingML - Charts", p. 4883, lines 130–135

[DR 09-0033]

<<Relax NG schema change description goes here>>

638. §B.5.1, "DrawingML - Charts", p. 4883, lines 150–154

[DR 09-0203]

<<Relax NG schema change description goes here>>

639. §B.5.1, "DrawingML - Charts", p. 4883, lines 163–168

[DR 09-0203]

<<Relax NG schema change description goes here>>

640. §B.5.1, "DrawingML - Charts", p. 4883, lines 163–168

[DR 09-0203]

<<Relax NG schema change description goes here>>

641. §B.5.1, "DrawingML - Charts", p. 4884, lines 175–180

[DR 09-0203]

<<Relax NG schema change description goes here>>

642. §B.5.1, "DrawingML - Charts", p. 4884, lines 169–174

[DR 09-0203]

<<Relax NG schema change description goes here>>

643. §B.5.1, "Drawing ML - Charts", p. 4884, lines 192–193

[DR 09-0002]

```
dchrt_ST_HoleSize =
  xsd:unsignedByte { minInclusive = "10" maxInclusive = "90" }
```

644. §B.5.1, "DrawingML - Charts", p. 4883, lines 192–197

[DR 09-0203]

<<Relax NG schema change description goes here>>

645. §B.5.1, "DrawingML - Charts", pp. 4884, lines 209–214

[DR 09-0203]

<<Relax NG schema change description goes here>>

646. §B.5.1, "Drawing ML - Charts", pp. 4885–4886, lines 261–272

[DR 09-0004]

```
dchrt_ST_MarkerStyle =
  string "circle"
  …
  | string "x"
  | string "auto"
```

647. §B.5.1, "Drawing ML - Charts", p. 4886, lines 311–312

[DR 09-0003]

<<Relax NG schema change description goes here>>

648. §B.5.1, "Drawing ML - Charts", p. 4892, lines 652

[DR 09-0006]

```
dchrt_ST_Skip = xsd:unsignedIntShort { minInclusive = "1" }
```

649. §B.5.1, "DrawingML - Charts", p. 4894, lines 710–715

[DR 09-0203]

<<Relax NG schema change description goes here>>

650. §B.5.1.1.1, "Chart Part", p. 4898

[DR 09-0276]

This schema is available in the file DrawingML_Chart.rnc.

651. §B.5.1.1.2, "Chart Drawing Part", p. 4898

[DR 09-0276]

This schema is available in the file DrawingML_Chart_Drawing.rnc.

652. §B.5.2, "DrawingML - Chart Drawing", p. 4898

[DR 09-0276]

This schema is available in the file dml-chartDrawing.rnc.

653. §B.5.3, "DrawingML - Diagrams", p. 4900

[DR 09-0276]

This schema is available in the file dml-diagram.rnc.

654. §B.5.3, "DrawingML - Diagrams", p. 4907, lines 373–374

[DR 08-0004]

```
ddgrm_ST_ModelId = xsd:int | s_ST_Guid
ddgrm_ST_PrSetCustVal = s_ST_Percentage | xsd:int
ddgrm_CT_ElemPropSet =
```

655. §B.5.3, "DrawingML - Diagrams", p. 4908, lines 394–402

[DR 08-0004]

```
attribute custScaleX { ~~xsd:int~~ddgrm_ST_PrSetCustVal }?,
attribute custScaleY { ~~xsd:int~~ddgrm_ST_PrSetCustVal }?,
attribute custT { xsd:boolean }?,
attribute custLinFactX { ~~xsd:int~~ddgrm_ST_PrSetCustVal }?,
attribute custLinFactY { ~~xsd:int~~ddgrm_ST_PrSetCustVal }?,
attribute custLinFactNeighborX { ~~xsd:int~~ddgrm_ST_PrSetCustVal }?,
attribute custLinFactNeighborY { ~~xsd:int~~ddgrm_ST_PrSetCustVal }?,
attribute custRadScaleRad { ~~xsd:int~~ddgrm_ST_PrSetCustVal }?,
attribute custRadScaleInc { ~~xsd:int~~ddgrm_ST_PrSetCustVal }?,
```

656. §B.5.3.1.1, "Diagram Colors Part", p. 4915

[DR 09-0276]

This schema is available in the file DrawingML_Diagram_Colors.rnc.

657. §B.5.3.1.2, "Diagram Data Part", p. 4915

[DR 09-0276]

This schema is available in the file DrawingML_Diagram_Data.rnc.

658. §B.5.3.1.3, "Diagram Layout Definitions Part", p. 4915

[DR 09-0276]

This schema is available in the file DrawingML_Diagram_Layout_Definition.rnc.

659. §B.5.3.1.4, "Diagram Style Part", p. 4915

[DR 09-0276]

This schema is available in the file DrawingML_Diagram_Style.rnc.

660. §B.6.1, "Math", p. 4916

[DR 09-0276]

This schema is available in the file shared-math.rnc.

661. §B.6.1, "Math", p. 4920, line 240

[DR 09-0011]

```
m_EG_OMathElements = m_EG_OMathMathElements | ~~w_EG_RunLevelElts~~w_EG_PContentMath
```

662. §B.6.2, "Extended Properties", p. 4921

[DR 09-0276]

This schema is available in the file shared-documentPropertiesExtended.rnc.

663. §B.6.2.1.1, "Extended File Properties Part", p. 4922

[DR 09-0276]

This schema is available in the file Shared_Extended_File_Properties.rnc.

664. §B.6.3, "Custom Properties", p. 4922

[DR 09-0276]

This schema is available in the file shared-documentPropertiesCustom.rnc.

665. §B.6.3.1.1, "Custom File Properties Part", p. 4923

[DR 09-0276]

This schema is available in the file Shared_Custom_File_Properties.rnc.

666. §B.6.4, "Variant Types", p. 4923

[DR 09-0276]

This schema is available in the file shared-documentPropertiesVariantTypes.rnc.

667. §B.6.5, “Custom XML Data Properties”, p. 4927

[DR 09-0276]

This schema is available in the file shared-customXmlDataProperties.rnc.

668. §B.6.5.1.1, “Custom XML Data Properties Part”, p. 4927

[DR 09-0276]

This schema is available in the file Shared_Custom_XML_Data_Storage_Properties.rnc.

669. §B.6.6, “Bibliography”, p. 4927

[DR 09-0276]

This schema is available in the file shared-bibliography.rnc.

670. §B.6.6.1.1, “Bibliography Part”, p. 4929

[DR 09-0276]

This schema is available in the file Shared_Bibliography.rnc.

671. §B.6.7, “Additional Characteristics”, p. 4929

[DR 09-0276]

This schema is available in the file shared-additionalCharacteristics.rnc.

672. §B.6.7.1.1, “Additional Characteristics Part”, p. 4930

[DR 09-0276]

This schema is available in the file Shared_Additional_Characteristics.rnc.

673. §B.6.8, “Office Document Relationships”, p. 4930

[DR 09-0276]

This schema is available in the file shared-relationshipReference.rnc.

674. §B.6.9, “Shared Simple Types”, p. 4930

This schema is available in the file shared-commonSimpleTypes.rnc.

675. §B.7, "Custom XML Schema References", p. 4932

[DR 09-0276]

This schema is available in the file shared-customXmlSchemaProperties.rnc.

676. §B.8.1, "Any", p. 4932

[DR 09-0276]

This schema is available in the file any.rnc.

677. §B.8.2, "XML", p. 4932

[DR 09-0276]

This schema is available in the file xml.rnc.

678. §E, "Processing Bitfields with XSLT", pp. 4937–4939

[DR 09-0100]

{Delete this annex.}

679. §F, "WordprocessingML Custom XML Data Extraction", p. 4940–4941

[DR 09-0156]

```
<?xml version="1.0" encoding="UTF-8" ?>
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
   xmlns:w="http://schemas.openxmlformats.org/wordprocessingml/2006/main">

<!-- This parameter should have the same value as
ignoreMixedContent settings (see 17.15.1.54 in Part 1) -->
  <xsl:param name="ignoreMixedContent" select="false()"/>

  <!-- Some document structure checks -->
  <xsl:template match="/">
    <xsl:if test="count(//w:customXml/ancestor-or-self::w:customXml) > 1">
    <xsl:if test="count(//w:customXml/ancestor-or-self::w:customXml[last()]) >
1">
      <xsl:message>Output will not be well-formed and will have more then one
root element.</xsl:message>
      <xsl:message>Produced XML document will not be WF and will have more
then one root element.</xsl:message>
    </xsl:if>
```

```
    <!-- Process content of document -->
    <xsl:apply-templates/>
  </xsl:template>

…

  <!-- copy over only text inside custom XML -->
  <xsl:template match="text()[ancestor::w:customXml]" priority="10">
  <xsl:template match="text()[ancestor::w:customXml[not(.//w:customXml)]]"
priority="10">
    <xsl:value-of select="."/>
  </xsl:template>

  <!-- warn about mixed content -->
  <xsl:template match="text()[ancestor::w:customXml]" priority="5">
    <xsl:choose>
      <xsl:when test="$ignoreMixedContent">
        <xsl:message>Stripping "<xsl:value-of select="."/>" from
output.</xsl:message>
        <xsl:message>This text is part of mixed content and would cause non-
valid result.</xsl:message>
      </xsl:when>
      <xsl:otherwise>
        <xsl:value-of select="."/>
      </xsl:otherwise>
    </xsl:choose>
  </xsl:template>

  <!-- warn about text which is not tagged -->
  <xsl:template match="text()">
    <xsl:message>Stripping "<xsl:value-of select="."/>" from
output.</xsl:message>
    <xsl:message>This text is not enclosed by root element and will result in
well-formed output.</xsl:message>
    <xsl:message>This text is not enclosed by root element and would cause non-
WF result.</xsl:message>
  </xsl:template>

  <!-- do not pick up deleted content -->
    <xsl:template match="w:del|w:moveFrom"/>
</xsl:stylesheet>
```

680. §F, "WordprocessingML Custom XML Data Extraction", p. 4941

[DR 09-0029]

Once this custom markup is extracted, the resulting XML document can be validated separately from the WordprocessingML document.

For example, the custom XML for the example on p. 530, once extracted, would be:

```
<invoice xmlns="http://www.example.com/2006/invoice">
      <customerName>Tristan Davis</customerName>
</invoice>
```

An application can employ any desired method to find the appropriate schema(s) for validation. As an example, one such approach using information defined by this Standard might be:

- Locate the schema element (§23.2.1) in the Document Settings part whose uri attribute matches the namespace of the root element in the XML document extracted from custom XML markup
- If that element also specifies a schemaLocation attribute, the resulting path is used to locate the schema used for validation.
- Once this schema is located, validation should be triggered based on the value of doNotValidateAgainstSchema (§17.15.1.43).

681. §K.5.8.1, "Using Captions and Long Descriptions in WordprocessingML Tables", pp. 5061–5062

[DR 08-0010]

```
<w:body>
  <w:tbl>
    <w:tblPr>
      …
      <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>
```

682. §M.1.5.9, "Vertically Merged Cells", p. 5085

[DR 09-0115]

Although the previous examples might have implied that tables have strict definition of rows, table cells can also be merged vertically. The tcPr element can contain the vMmerge element that defines the extent of vertically merged grid columns within a table. A vMmerge element with its val attribute set to `restart` marks the start of a vertically merged cell range. A vMmerge element with the val attribute set to `continue` (the default value) marks the continuation of a vertically merged grid column. Cells between the first and last merged cell that are part of the vertical merge each must have a vMmerge element to continue the vertical merge.

683. §M.1.5.9, "Vertically Merged Cells", pp. 5086–5087

[DR 09-0115]

```
<w:tcPr>
  <w:vMmerge w:val="restart"/>
</w:tcPr>
…
<w:tcPr>
  <w:vMmerge/>
</w:tcPr>
```

As shown, the vMmerge with a value of `restart` begins (or restarts) a merged region, and the cell with no value is merged with the one above.

684. §M.1.8.2, "Style Definitions", p. 5097

[DR 09-0121]

```
<w:style w:type="paragraph" w:styleId="Heading1">
  …
  <w:qFformat/>
  …
</w:style>
```

685. §M.1.8.3, "Paragraph Styles", p. 5098

[DR 09-0121]

```
<w:style w:type="paragraph" w:styleId="TestParagraphStyle">
  …
  <w:qFformat/>
  …
</w:style>
```

686. §M.1.8.4, "Character Styles", p. 5099

[DR 09-0121]

```
<w:style w:type="character" w:styleId="TestCharacterStyle">
  …
  <w:qFformat/>
  …
</w:style>
```

687. §M.1.8.5, "Linked Styles", p. 5100

[DR 09-0121]

```
<w:style w:type="paragraph" w:styleId="TestLinkedStyle">
  …
  <w:qFformat/>
  …
</w:style>
```

688. §M.1.8.5, "Linked Styles", p. 5100

[DR 09-0081]

… indent is 1 inch left.

689. §M.1.8.7, "Table Styles", p. 5105

[DR 08-0010]

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

690. §M.1.8.7, "Table Styles", p. 5106

[DR 08-0010]

```
<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>
```

691. §M.1.8.11, “Latent Styles”, p. 5109

[DR 09-0121]

```
<w:latentStyles w:defLockedState="0" w:defUIPriority="99"
  w:defSemiHidden="1" w:defUnhideWhenUsed="1" w:defQFormat="0"
  w:count="180">
  <w:lsdException w:name="Normal" w:unhideWhenUsed="0"
    w:qFformat="1"/>
  <w:lsdException w:name="heading 1" w:semiHidden="0" w:uiPriority="1"/>
  <w:lsdException w:name="heading 2" w:uiPriority="1"
    w:unhideWhenUsed="1"/>
  <w:lsdException w:name="heading 3" w:semiHidden="0/>
  <w:lsdException w:name="heading 4" w:uiPriority="1" w:qFformat="1"/>
  <w:lsdException w:name="heading 5" w:uiPriority="1" w:qFformat="1"/>
  <w:lsdException w:name="heading 6" w:uiPriority="1" w:qFformat="1"/>
  <w:lsdException w:name="heading 7" w:uiPriority="1" w:qFformat="1"/>
  <w:lsdException w:name="heading 8" w:uiPriority="1" w:qFformat="1"/>
  <w:lsdException w:name="heading 9" w:uiPriority="1" w:qFformat="1"/>
  <w:lsdException w:name="Normal Indent" w:uiPriority="6" w:qFformat="1"/>
</w:latentStyles>
```

692. §M.1.10.3, “Abstract Numbering Definitions”, p. 5116

[DR 09-0108]

```
<w:lvl w:ilvl="1">
  <w:start w:val="4"/>
  <w:nfc w:val="3"/>
  <w:pStyle w:val="Heading1"/>
  <w:lvlText w:val="BEFORE %2 AFTER %1 END"/>
  <w:lvlJc w:val="startleft"/>
  …
</w:lvl>
```

693. §M.1.10.4, "Numbering Definition Instances", p. 5118

[DR 09-0108]

```
<w:lvl w:ilvl="0">
  <w:start w:val="4" />
  <w:lvlText w:val="%1)" />
  <w:lvlJc w:val="startleft" />
  <w:pPr>
    <w:ind w:left="360" w:hanging="360" />
  </w:pPr>
</w:lvl>
```

694. §M.1.10.6, "The Complete Story", p. 5122

[DR 09-0108]

```
<w:lvl w:ilvl="0">
  <w:start w:val="1" />
  <w:lvlText w:val="%1." />
  <w:lvlJc w:val="startleft" />
  …
</w:lvl>
```

695. §M.1.10.8, "Referencing Numbering Styles", p. 5125

[DR 09-0108]

```
<w:lvl w:ilvl="0">
  <w:lvlText w:val="%1 %1 %1" />
  <w:lvlJc w:val="startleft" />
  …
</w:lvl>
```

696. §M.1.10.8, "Referencing Numbering Styles", p. 5126

[DR 09-0108]

```
<w:lvl w:ilvl="0">
  <w:lvlText w:val="%1 %1 %1" />
  <w:lvlJc w:val="startleft" />
  …
</w:lvl>
```

697. §M.2.8.3.2.2, "Metadata Behaviors", p. 5225

[DR 09-0150]

The metadata type expresses operations on cells that allow the metadata to remain associated with the cell. Operations not listed or set to '0' would cause the metadata to no longer be associated with the cell.

698. §M.2.9.3.2, "XML - pivotCacheDefinition part", p. 5239

[DR 09-0087]

```
<pivotCacheDefinition xmlns:r="…" r:id="rId1" refreshedBy="AnonUser"
  refreshedDateIso="2006-05-22T10:07:16" createdVersion="3"
  refreshedVersion="3" minRefreshableVersion="3" recordCount="182">
  …
</pivotCacheDefinition>
```

699. §M.2.9.3.2, "XML - pivotCacheDefinition part", p. 5242

[DR 09-0087]

- refreshedDateIso indicates when the PivotCache was last refreshed.

700. §M.2.9.3.4.5, "Row Items", pp. 5251–5252

[DR 09-0150]

Note that the first item has no r explicitly written. Since a default of '0' is specified in the schema, for any item whose r is missing, a default value of '0' is implied.

Note that the first instance of x has no attribute value v associated with it, so v's default value of '0' is implied.

… The first item value "Bikes" is expressed implicitly, because the value of r on the second i element is '1', indicating that the first item value from the previous row is reused again as the first item value for the current row. …

701. §M.2.9.3.4.7, "Column Items", p. 5254

[DR 09-0150]

Note that the first item has no r explicitly written so the default value of '0' is implied.

…

Note that the first instance of x has no attribute value v associated with it, so v's default value of '0' is implied.

702. §M.2.12.3, "Pivot XML fragment", p. 5269

[DR 09-0087]

```
<pivotCacheDefinition … saveData="0" refreshedBy="Chad Rothschiller"
  refreshedDateIso="2006-04-13T16:02:14" backgroundQuery="1"
    createdVersion="3"
  refreshedVersion="3" minRefreshableVersion="3" recordCount="0">
  …
</pivoCacheDefinition>
```

703. §M.4.6.2.2, "Camera", p. 5374

[DR 08-0002]

The only complex type contained in the camera, CT_SphereCoords, is a complex type defined elsewhere within the DrawingML. There are three simple types associated with a camera:

- ST_FOVAngle (field of view angle), which is a positive angle between 0 and 180 in 60,000th of a degree.
- ST_PositivePercentage (zoom), which is defined as a percentage ~~in 1,000th of a percent~~.
- ST_PresentCameraType (preset camera)

704. §M.6.1, "Math", p. 5507

[DR 09-0086]

{The right-most of each pair of figures is to be removed, as shown below.}

… That is, $\overrightarrow{abc}\overrightarrow{abc}$ and $\overbrace{abc}\overbrace{abc}$ are represented … Similarly, $\frac{n}{k}\frac{n}{k}$ and $\binom{n}{k}\binom{n}{k}$ are both …

705. §N.1, "WordprocessingML", p. 5554

[DR 09-0111]

- The following enumeration values were added to the ST_TextDirection simple type (§xx): ~~bt,~~ `tb`, `rl`, `lr`, `tbV`, `rlV`, and `lrV`.