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**Draft 1, 2009-07-03**

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

## **Part 4: Transitional Migration Features**

### **TECHNICAL CORRIGENDUM 1**

*Technologies de l'information — Description des documents et langages de traitement — Formats de fichier "Office Open XML" —*

*Partie 4: ...*

### **RECTIFICATIF TECHNIQUE 1**

Technical Corrigendum 1 to ISO/IEC 29500-4:2008 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 29500-4:2008.

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 29500-4:2008, each such change has its own entry below.

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

**ISO/IEC 29500-4:2008/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.}*

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## **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 29500-4:2008.

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 4, 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. §1, “Scope”, p. 1

[DR 09-0225]

In general, this Part augments Part 1, and inherits the provisions of that Part. Exceptions to this are indicated explicitly.

### 2. §1, “Scope”, p. 1

...

[DR 09-0192]

The features described in this Part shall only be used by documents of conformance class WML Transitional (§2.1), SML Transitional (§2.1), or PML Transitional (§2.1). These features are sometimes needed for high-quality migration of existing binary documents to ISO/IEC 29500.

The intent of this Part is to enable a transitional period during which existing binary documents being migrated to ISO/IEC 29500 can make use of legacy features to preserve their fidelity, while noting that new documents should not use them. Part 1, §2.4, “Document Conformance”, states that WML Strict, SML Strict and PML Strict documents shall not use any of the features defined in Part 4.

This Part is normative for the current edition of ISO/IEC 29500, but is not guaranteed to be included in future revisions of that Standard. The intent is to enable the group responsible for maintenance of ISO/IEC 29500 to choose, at a later date, to remove this set of features from a revised version of that Standard.

### 3. §3, “Normative References”, p. 4

[DR 09-0031]

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

### 4. §3, “Normative References”, p. 5

[DR 09-0225]

ISO/IEC 29500-1:2008, *Information technology — Document description and processing languages — Office Open XML File Formats, Part 1: Fundamentals and Markup Language Reference.*

### 5. §3, “Normative References”, p. 6

[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>.

## 6. §3, “Normative References”, p. 6

~~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.<sup>1</sup> World Wide Web Consortium. 2006. <http://www.w3.org/TR/2006/REC-xml-20060816/>

<sup>1</sup>[In the future, this reference may be replaced by the 5<sup>th</sup> edition once that has received broad acceptance.](#)

## 7. §3, “Normative References”, p. 7

[DR 09-0170]

XML Namespaces, Bray, Tim, Dave Hollander, Andrew Layman, and Richard Tobin (editors). *Namespaces in XML 1.0*. 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>

## 8. §5, “Notational Conventions”, p. 10

[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”~~. [\[Example: The possible values for this attribute are defined by the `ST\_HexColor` simple type. end example\]](#)

## 9. §9.9.4.8, “QUOTE”, p. 165, new subclause

[DR 09-0087]

### [9.9.4.8 QUOTE](#)

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

## 10. §9.10.9, “Additional enumeration values for ST\_NumberFormat (Part 1, §17.18.59), new subclause

[DR 09-0092]

Enumeration Value	Description
<a href="#">decimalFullWidth2 (Full Width Arabic Numerals Alternate)</a>	<p><a href="#">Specifies that the sequence shall consist of a set of full-width Arabic numbering.</a></p> <p><a href="#">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.</a></p> <p><a href="#">The set of characters used by this numbering format for values 0–9 is U+FF10–U+FF19, respectively.</a></p> <p><a href="#">For values greater than the size of the set, the number is constructed by following these steps:</a></p> <ol style="list-style-type: none"> <li><a href="#">1. Divide the value by 10 and write the symbol which represents the remainder.</a></li> <li><a href="#">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.</a></li> <li><a href="#">3. Repeat step 2 until the remaining value is equal to zero.</a></li> </ol> <p><a href="#">[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]</a></p>

## 11. §9.10.10, “Additional member types for the union in ST\_TextScale (Part 1, §17.18.95)”, new subclause

[DR 09-0202]

The value space of the following additional member types can be used within the context of this simple type for a document of a transitional conformance class.

- [The ST\\_TextScaleDecimal simple type \(§9.10.11\).](#)

## 12. §9.10.11, “ST\_TextScaleDecimal (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 expanded to 300% when displaying each character within the contents of the run. This constraint is specified using the following WordprocessingML:

```
<w:rPr>
  <w:w w:val="300"/>
</w:rPr>
```

This run explicitly declares that the w value is 300, so the contents of this run appear at 300% of their normal character width by expanding the width of each character. end example]

This simple type's contents are a restriction of the W3C XML Schema integer datatype.

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.

<u>Referenced By</u>
<a href="#">ST TextScale (§17.18.95)</a>

## 13. §10.8, “Formulas”, p. 186, new subclause

[DR 09-0016]

### 14. §10.8.1, “Attribute synonym for c element (Part 1, §18.6.1)”, new subclause

[DR 09-0016]

The following additional attribute can be specified for a document of a transitional conformance class:

<u>Attributes</u>	<u>Description</u>
<a href="#">ref (Cell Reference)</a>	<u>An A-1 style reference to a cell. The possible values for this attribute are defined by the ST_CellRef simple type (Part 1, §18.18.7).</u>

This attribute is semantically equivalent to r (Part 1, §18.6.1).

Only one or the other of r and ref can be defined in any given instance.

## 15. §12.1.2.2, “Additional member types for the union in ST\_Percentage (Part 1, §20.1.10.40)”, pp. 199–200

[DR 08-0001]

The value space of the following additional member types can be used within the context of this simple type for a document of a transitional conformance class.

- The ST\_PercentageDecimal simple type (~~Part 1, §20.1.10.41~~[Part 4, §12.1.2.12](#)).

## 16. §12.1.2.12, “ST\_PercentageDecimal (Percentage as Decimal Number)”, new subclause

[DR 08-0001]

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.

<u>Referenced By</u>
<u><a href="#">ST_Percentage (Part 1, §20.1.10.40)</a></u>

[Note: The W3C XML Schema definition of this simple type's content model (ST\_PercentageDecimal) is located in §A.4.1. end note]

## 17. §12.1.2.13, “Additional member types for the union in ST\_PrSetCustVal (Part 1, §21.4.7.66)”, new subclause

[DR 08-0004]

The value space of the following additional member types can be used within the context of this simple type for a document of a transitional conformance class.

- [The W3C XML Schema `int` datatype.](#)

## 18. §12.1.2.14, “ST\_TextBulletSizeDecimal (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. 25000 = 25%, 400000 = 400%

This simple type's contents are a restriction of the ST\_PercentageDecimal datatype (Part 4, §12.1.2.12).

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.

<u>Referenced By</u>
ST_TextBulletSize (Part 1, §20.1.10.86)

[Note: The W3C XML Schema definition of this simple type’s content model (ST\_TextBulletSizeDecimal) is located in §A.4.1. end note]

## 19. §12.1.2.15, “Additional member types for the union in ST\_TextBulletSize (Part 1, §20.1.10.86)”, new subclause

[DR 08-0007]

The value space of the following additional member types can be used within the context of this simple type for a document of a transitional conformance class.

- The ST\_TextBulletSizeDecimal simple type (Part 4, §12.1.2.14).

## 20. §13.1.3, “Simple Types”, new subclause

[DR 09-0033]

### 21. §13.1.3.1, “Additional member types for union in ST\_DepthPercent”, new subclause

[DR 09-0033]

The value space of the following additional member types can be used within the context of this simple type for a document of a transitional conformance class.

- The ST\_DepthPercentUShort simple type (§13.1.3.2).

## 22. §13.1.3.2, “ST\_DepthPercentUShort (Depth Percent UnsignedShort) (Part 1, §21.2.3.9)”, new subclause

[DR 09-0033]

This simple type specifies that its contents contain a whole number between 20 and 2000, whose contents are a percentage.

This simple type's contents are a restriction of the W3C XML Schema unsignedShort datatype.

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.

<u>Referenced By</u>
<a href="#">ST_DepthPercent (Part 1, §21.2.3.9)</a>

## 23. §13.1.3.3, “Additional member types for union in ST\_HPercent (Part 1, §21.2.3.19)”, new subclause

[DR 09-0033]

The value space of the following additional member types can be used within the context of this simple type for a document of a transitional conformance class.

- The ST\_HPercentUShort simple type (§13.1.3.4).

## 24. §13.1.3.4, “ST\_HPercentUShort (Depth Percent UnsignedShort)”, new subclause

[DR 09-0033]

This simple type specifies that its contents contain a whole number between 5 and 500, whose contents are a percentage.

This simple type's contents are a restriction of the W3C XML Schema unsignedShort datatype.

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.

<u>Referenced By</u>
<a href="#">ST_HPercent (Part 1, §21.2.3.19)</a>

## 25. §13.1.3.5, “Additional member types for union in ST\_GapAmount (Part 1, §21.2.3.16)”, new subclause

[DR 09-0203]

The value space of the following additional member types can be used within the context of this simple type for a document of a transitional conformance class.

- The ST\_GapAmountUShort simple type (§13.1.3.6).

## 26. §13.1.3.6, “ST\_GapAmountUShort (Gap Amount UnsignedShort)”, new subclause

[DR 09-0203]

This simple type specifies that its contents contain a whole number between 0 and 500, whose contents are a percentage.

This simple type's contents are a restriction of the W3C XML Schema unsignedShort datatype.

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.

Referenced By
<a href="#">ST_GapAmount (Part 1, §21.2.3.16)</a>

## 27. §13.1.3.7, “Additional member types for union in ST\_Perspective (Part 1, §21.2.3.34)”, new subclause

[DR 09-0203]

The value space of the following additional member types can be used within the context of this simple type for a document of a transitional conformance class.

- The ST\_PerspectiveUByte simple type (§13.1.3.8).

## 28. §13.1.3.8, “ST\_PerspectiveUByte (Perspective UnsignedByte)”, new subclause

[DR 09-0203]

This simple type specifies that its contents contain a whole number between 0 and 240, whose contents are a percentage.

This simple type's contents are a restriction of the W3C XML Schema unsignedByte datatype.

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.

<u>Referenced By</u>
<u>ST Perspective (Part 1, §21.2.3.34)</u>

### **29. §13.1.3.9, “Additional member types for union in ST\_SecondPieSize (Part 1, §21.2.3.41)”, new subclause**

[DR 09-0203]

The value space of the following additional member types can be used within the context of this simple type for a document of a transitional conformance class.

- The ST\_SecondPieSizeUShort simple type (§13.1.3.10).

### **30. §13.1.3.10, “ST\_SecondPieSizeUShort (Second Pie Size UnsignedShort)”, new subclause**

[DR 09-0203]

This simple type specifies that its contents contain a whole number between 5 and 200, whose contents are a percentage.

This simple type's contents are a restriction of the W3C XML Schema unsignedShort datatype.

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 200.

<u>Referenced By</u>
<u>ST_SecondPieSize (Part 1, §21.2.3.41)</u>

### **31. §13.1.3.11, “Additional member types for union in ST\_HoleSize (Part 1, §21.2.3.18)”, new subclause**

[DR 09-0203]

The value space of the following additional member types can be used within the context of this simple type for a document of a transitional conformance class.

- The ST\_HoleSizeUByte simple type (§13.1.3.12).

### 32. §13.1.3.12, “ST\_HoleSizeUByte (Hole Size UnsignedByte)”, new subclause

[DR 09-0203]

This simple type specifies that its contents contain a whole number between 10 and 90, whose contents are a percentage.

This simple type's contents are a restriction of the W3C XML Schema unsignedByte datatype.

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.

<u>Referenced By</u>
<u>ST_HoleSize (Part 1, §21.2.3.18)</u>

### 33. §13.1.3.13, “Additional member types for union in ST\_LblOffset (Part 1, §21.2.3.23)”, new subclause

[DR 09-0203]

The value space of the following additional member types can be used within the context of this simple type for a document of a transitional conformance class.

- The ST\_LblOffsetUShort simple type (§13.1.3.14).

### 34. §13.1.3.14, “ST\_LblOffsetUShort (Label Offset UnsignedShort)”, new subclause

[DR 09-0203]

This simple type specifies that its contents contain a whole number between 0 and 1000, whose contents are a percentage.

This simple type's contents are a restriction of the W3C XML Schema unsignedShort datatype.

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.

<u>Referenced By</u>
<u>ST_LblOffset (Part 1, §21.2.3.23)</u>

### 35. §13.1.3.15, “Additional member types for union in ST\_Overlap (Part 1, §21.2.3.31)”, new subclause

[DR 09-0203]

The value space of the following additional member types can be used within the context of this simple type for a document of a transitional conformance class.

- The ST\_OverlapByte simple type (§13.1.3.16).

### 36. §13.1.3.16, “ST\_OverlapByte (Overlap Byte)”, new subclause

[DR 09-0203]

This simple type specifies that its contents contain a whole number between -100 and 100, whose contents are a percentage.

This simple type's contents are a restriction of the W3C XML Schema byte datatype.

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.

Referenced By
<a href="#">ST_Overlap (Part 1, §21.2.3.31)</a>

### 37. §13.1.3.17, “Additional member types for union in ST\_BubbleScale (Part 1, §21.2.3.5)”, new subclause

[DR 09-0203]

The value space of the following additional member types can be used within the context of this simple type for a document of a transitional conformance class.

- The ST\_BubbleScaleUInt simple type (§13.1.3.18).

### 38. §13.1.3.18, “ST\_BubbleScaleUInt (Bubble Scale UnsignedInt)”, new subclause

[DR 09-0203]

This simple type specifies that its contents contain a whole number between 0 and 300, whose contents are a percentage.

This simple type's contents are a restriction of the W3C XML Schema unsignedInt datatype.

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.

<u>Referenced By</u>
<u>ST_BubbleScale (Part 1, §21.2.3.5)</u>

### 39. §13.1.3.19, “Additional member types for union in ST\_Thickness (Part 1, §21.2.3.206)”, new subclause

[DR 09-0203]

The value space of the following additional member types can be used within the context of this simple type for a document of a transitional conformance class.

- The W3C XML Schema unsignedInt datatype.

### 40. §A.1, “WordprocessingML”, p. 813, lines 112–117

[DR 09-0202]

```

<xsd:simpleType name="ST_TextScale">
  <xsd:union memberTypes="ST_TextScalePercent ST_TextScaleDecimal"/>
  <del><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>
<xsd:simpleType name="ST_TextScaleDecimal">
  <xsd:restriction base="xsd:integer">
    <xsd:minInclusive value="0"/>
    <xsd:maxInclusive value="600"/>
  </xsd:restriction>
</xsd:simpleType>

```

### 41. §A.1, “WordprocessingML”, p. 846, lines 1851–1857

[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>

```

## 42. §A.1, “WordprocessingML”, p. 853, lines 2214–2217

[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>

```

## 43. §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>

```

#### 44. §A.2, "SpreadsheetML", p. 884, lines 264–271

[DR 09-0016]

```

<xsd:complexType name="CT_CalcCell">
  <xsd:attribute name="r" type="ST_CellRef" use="optionalrequired"/>
  <xsd:attribute name="ref" type="ST_CellRef" use="optional"/>
  ...
</xsd:complexType>

```

#### 45. §A.2, "SpreadsheetML", p. 951–952, lines 3849–3857

[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>

```

#### 46. §A.3, "PresentationML", p. 988, lines 1336-1344

[DR 09-0242]

```

<xsd:complexType name="CT_GraphicalObjectFrame">
  <xsd:sequence>
    ...
  </xsd:sequence>
  <xsd:attribute name="bwMode" type="ST_BlackWhiteMode" use="optional"/>
</xsd:complexType>

```

#### 47. §A.4.1, "DrawingML - Main", p. 1000, lines 240-242

[DR 08-0001]

```

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

```

#### 48. §A.4.1, "DrawingML - Main", p. 1048, lines 2765-2770

[DR 08-0007]

```

<xsd:simpleType name="ST_TextBulletSize">
  <xsd:union memberTypes="ST_TextBulletSizePercent
ST_TextBulletSizeDecimal"/>
</xsd:simpleType>
<xsd:simpleType name="ST_TextBulletSizePercent">
  <del><xsd:restriction base="ST_PercentageDecimal">
  <xsd:minInclusive value="25000"/>
  <xsd:maxInclusive value="400000"/>
  </xsd:restriction>
  <xsd:pattern value="0*(([5-9])|([3-9][0-9])|([1-3][0-9][0-9])|400)%"/>
</xsd:simpleType>
<xsd:simpleType name="ST_TextBulletSizeDecimal">
  <xsd:restriction base="ST_PercentageDecimal">
    <xsd:minInclusive value="25000"/>
    <xsd:maxInclusive value="400000"/>
  </xsd:restriction>
</xsd:simpleType>

```

#### 49. §A.4.1, "DrawingML - Main", p. 1049, lines 2837–2842

[DR 09-0240]

```

<xsd:complexType name="CT_TextFont">
  <xsd:attribute name="typeface" type="ST_TextTypeface" use="required"/>
  ...
</xsd:complexType>

```

#### 50. §A.5.1, "DrawingML - Charts", p. 1066, 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 ST_HPercentUShort"/>
</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:simpleType name="ST_HPercentUShort">
  <xsd:restriction base="xsd:unsignedShort">
    <xsd:minInclusive value="5"/>
    <xsd:maxInclusive value="500"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:complexType name="CT_HPercent">
  <xsd:attribute name="val" type="ST_HPercent" default="100%"/>
</xsd:complexType>

```

## 51. §A.5.1, "DrawingML - Charts", p. 1066, 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 ST_DepthPercentUShort"/>
</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:simpleType name="ST_DepthPercentUShort">
  <xsd:restriction base="xsd:unsignedShort">
    <xsd:minInclusive value="20"/>
    <xsd:maxInclusive value="2000"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:complexType name="CT_DepthPercent">
  <xsd:attribute name="val" type="ST_DepthPercent" default="100%"/>
</xsd:complexType>

```

## 52. §A.5.1, "DrawingML - Charts", p. 1066, 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 ST_PerspectiveUByte"/>
</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:simpleType name="ST_PerspectiveUByte">
  <xsd:restriction base="xsd:unsignedByte">
    <xsd:minInclusive value="0"/>
    <xsd:maxInclusive value="240"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:complexType name="CT_Perspective">
  <xsd:attribute name="val" type="ST_Perspective" default="30%"/>
</xsd:complexType>

```

<<Relax NG schema change description goes here>>

### 53. §A.5.1, "DrawingML - Charts", pp. 1066–1067, 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 unsignedInt"/>
</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>

```

#### 54. §A.5.1, "DrawingML - Charts", p. 1067, 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 ST_GapAmountUShort"/>
</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:simpleType name="ST_GapAmountUShort">
  <xsd:restriction base="xsd:unsignedShort">
    <xsd:minInclusive value="0"/>
    <xsd:maxInclusive value="500"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:complexType name="CT_GapAmount">
  <xsd:attribute name="val" type="ST_GapAmount" default="150%"/>
</xsd:complexType>

```

## 55. §A.5.1, "DrawingML - Charts", p. 1067, 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 ST_BubbleScaleUInt"/>
</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:simpleType name="ST_BubbleScaleUInt">
  <xsd:restriction base="xsd:unsignedInt">
    <xsd:minInclusive value="0"/>
    <xsd:maxInclusive value="300"/>
  </xsd:restriction>
</xsd:simpleType>
<xsd:complexType name="CT_BubbleScale">
  <xsd:attribute name="val" type="ST_BubbleScale" default="100%"/>
</xsd:complexType>

```

## 56. §A.5.1, “DrawingML - Charts”, p. 1067, lines 273–281

[DR 09-0203]

```

<xsd:simpleType name="ST_Overlap">
  <del>xsd:restriction base="xsd:byte">
    <del>xsd:minInclusive value="-100"/>
    <del>xsd:maxInclusive value="100"/>
  </del>
  <xsd:union memberTypes="ST_OverlapPercent ST_OverlapByte"/>
</xsd:simpleType>

<xsd:simpleType name="ST_OverlapPercent">
  <xsd:pattern value="(-?0*(([0-9])|([1-9][0-9])|100))%"/>
</xsd:simpleType>

<xsd:simpleType name="ST_OverlapByte">
  <xsd:restriction base="xsd:byte">
    <xsd:minInclusive value="-100"/>
    <xsd:maxInclusive value="100"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:complexType name="CT_Overlap">
  <xsd:attribute name="val" type="ST_Overlap" default="0%"/>
</xsd:complexType>

```

## 57. §A.5.1, "Drawing ML - Charts", p. 1068, lines 309–314

[DR 09-0002]

```

<xsd:simpleType name="ST_HoleSize">
  <xsd:restriction base="xsd:unsignedByte">
    <xsd:minInclusive value="10"/>
    <xsd:maxInclusive value="90"/>
  </xsd:restriction>
</xsd:simpleType>

```

## 58. §A.5.1, "Drawing ML - Charts", p. 1068, lines 309–317

[DR 09-0203]

```

<xsd:simpleType name="ST_HoleSize">
  <del>xsd:restriction base="xsd:unsignedByte">
    <del>xsd:minInclusive value="10"/>
    <del>xsd:maxInclusive value="90"/>
  </del>
  <xsd:union memberTypes="ST_HoleSizePercent ST_HoleSizeUByte"/>
</xsd:simpleType>

<xsd:simpleType name="ST_HoleSizePercent">
  <xsd:pattern value="0*(([1-8][0-9])|90)% "/>
</xsd:simpleType>

<xsd:simpleType name="ST_HoleSizeUByte">
  <xsd:restriction base="xsd:unsignedByte">
    <xsd:minInclusive value="10"/>
    <xsd:maxInclusive value="90"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:complexType name="CT_HoleSize">
  <xsd:attribute name="val" type="ST_HoleSize" default="10%"/>
</xsd:complexType>

```

## 59. §A.5.1, “DrawingML - Charts”, p. 1068, 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 ST_SecondPieSizeUShort"/>
</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:simpleType name="ST_SecondPieSizeUShort">
  <xsd:restriction base="xsd:unsignedShort">
    <xsd:minInclusive value="5"/>
    <xsd:maxInclusive value="200"/>
  </xsd:restriction>
</xsd:simpleType>
<xsd:complexType name="CT_SecondPieSize">
  <xsd:attribute name="val" type="ST_SecondPieSize" default="75%"/>
</xsd:complexType>

```

## 60. §A.5.1, "Drawing ML - Charts", p. 1070, 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>

```

## 61. §A.5.1, "Drawing ML - Charts", p. 1071, lines 493–498

[DR 09-0003]

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

## 62. §A.5.1, "Drawing ML - Charts", p. 1081, lines 1024–1028

[DR 09-0006]

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

## 63. §A.5.1, "Drawing ML - Charts", p. 1083, 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 ST_LblOffsetUShort"/>
</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:simpleType name="ST_LblOffsetUShort">
  <xsd:restriction base="xsd:unsignedShort">
    <xsd:minInclusive value="0"/>
    <xsd:maxInclusive value="1000"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:complexType name="CT_LblOffset">
  <xsd:attribute name="val" type="ST_LblOffset" default="100%"/>
</xsd:complexType>

```

#### 64. §A.5.3, "DrawingML - Diagrams", p. 1100, 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:int"/>
</xsd:simpleType>
<xsd:complexType name="CT_ElemPropSet">

```

#### 65. §A.5.3, "DrawingML - Diagrams", p. 1100, lines 455–463

[DR 08-0004]

```

<xsd:attribute name="custScaleX" type="xsd:intST_PrSetCustVal"
use="optional">
</xsd:attribute>
<xsd:attribute name="custScaleY" type="xsd:intST_PrSetCustVal"
use="optional">

```

```

</xsd:attribute>
<xsd:attribute name="custT" type="xsd:boolean" use="optional">
</xsd:attribute>
<xsd:attribute name="custLinFactX" type="xsd:intST PrSetCustVal"
use="optional">
</xsd:attribute>
<xsd:attribute name="custLinFactY" type="xsd:intST PrSetCustVal"
use="optional">
</xsd:attribute>
<xsd:attribute name="custLinFactNeighborX" type="xsd:intST PrSetCustVal"
use="optional">
</xsd:attribute>
<xsd:attribute name="custLinFactNeighborY" type="xsd:intST PrSetCustVal"
use="optional">
</xsd:attribute>
<xsd:attribute name="custRadScaleRad" type="xsd:intST PrSetCustVal"
use="optional">
</xsd:attribute>
<xsd:attribute name="custRadScaleInc" type="xsd:intST PrSetCustVal"
use="optional">
</xsd:attribute>

```

## 66. §A.6.1, “Math”, p. 1147, lines 488–493

[DR 09-0011]

```

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

```

## 67. §B.1, “WordprocessingML”, p. 1162, line 52

[DR 09-0202]

<<Relax NG schema change description goes here>>

## 68. §B.1, “WordprocessingML”, p. 1185, lines 1185–1188

[DR 09-0017]

<<Relax NG schema change description goes here>>

**69. §B.1, “WordprocessingML”, p. 1185, lines 1185–1188**

[DR 09-0018]

<<Relax NG schema change description goes here>>

**70. §B.1, “WordprocessingML”, p. 1189, lines 1389–1391**

[DR 09-0246]

<<Relax NG schema change description goes here>>

**71. §B.1, “WordprocessingML”, new type**

[DR 09-0011]

<<Relax NG schema change description goes here>>

**72. §B.2, “SpreadsheetML”, p. 1216, lines 218–219**

[DR 09-0016]

<<Relax NG schema change description goes here>>

**73. §B.2, “SpreadsheetML”, p. 1290, lines 4082–4086**

[DR 09-0010]

<<Relax NG schema change description goes here>>

**74. §B.2.1, “Part Schemas”, p. 1301**

[DR 09-0078]

```

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

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

```

```

| v_rect
| v_roundrect

vml-officeDrawing =
  o_shapedefaults
  | o_shapelayout
  | o_signatureline
  | o_ink
  | o_diagram
  | o_equationxml
  | o_skew
  | o_extrusion
  | o_callout
  | o_lock
  | o_OLEObject
  | o_complex
  | o_left
  | o_top
  | o_right
  | o_bottom
  | o_column
  | o_clippath
  | o_fill

vml-wordprocessingDrawing =
  w10_bordertop
  | w10_borderleft
  | w10_borderright
  | w10_borderbottom
  | w10_wrap
  | w10_anchorlock

vml-spreadsheetDrawing = x_ClientData

vml-presentationDrawing = pvml_iscomment | pvml_textdata

```

## 75. §B.3, “PresentationML”, pp. 1325, lines 940–944

[DR 09-0242]

```
p_CT_GraphicalObjectFrame =
...
attribute bwMode { a ST BlackWhiteMode }?
```

## 76. §B.3, “PresentationML”, p. 1319, line 621

[DR 09-0079]

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

## 77. §B.4.1, “DrawingML - Main”, p. 1336, line 134

[DR 08-0001]

```
a_ST_PercentageDecimal = xsd:int
```

## 78. §B.4.1, “DrawingML - Main”, p. 1374, lines 2126–2127

[DR 08-0007]

```
a ST TextBulletSize =
  a ST TextBulletSizePercent | a ST TextBulletSizeDecimal
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)%"
  }
a ST TextBulletSizeDecimal =
  xsd:int { minInclusive = "25000" maxInclusive = "400000" }
```

## 79. §B.4.1, “DrawingML - Main”, p. 1375, lines 2161–2169

[DR 09-0240]

```
a_CT_TextFont =  
  attribute typeface { a_ST_TextTypeface }?,  
  ...  
  attribute charset { xsd:byte }?
```

**80. §B.4.1.1.3, “Theme Override Part”, p. 1379, line 11**

[DR 09-0077]

```
start = a_themeOverride
```

**81. §B.5.1, “DrawingML - Charts”, pp. 1386–1387, lines 118–123**

[DR 09-0033]

<<Relax NG schema change description goes here>>

**82. §B.5.1, “DrawingML - Charts”, p. 1387, lines 130–135**

[DR 09-0033]

<<Relax NG schema change description goes here>>

**83. §B.5.1, “DrawingML - Charts”, p. 1387, lines 136–141**

[DR 09-0203]

<<Relax NG schema change description goes here>>

**84. §B.5.1, “DrawingML - Charts”, pp. 1387, lines 150–154**

[DR 09-0203]

<<Relax NG schema change description goes here>>

**85. §B.5.1, “DrawingML - Charts”, p. 1387, lines 163–168**

[DR 09-0203]

<<Relax NG schema change description goes here>>

**86. §B.5.1, “DrawingML - Charts”, p. 1387, lines 169–174**

[DR 09-0203]

<<Relax NG schema change description goes here>>

**87. §B.5.1, “DrawingML - Charts”, p. 1388, lines 175–180**

[DR 09-0203]

<<Relax NG schema change description goes here>>

**88. §B.5.1, “Drawing ML - Charts”, p. 1388, lines 192–193**

[DR 09-0002]

```
dchrt_ST_HoleSize =  
  xsd:unsignedByte { minInclusive = "10" maxInclusive = "90" }
```

**89. §B.5.1, “DrawingML - Charts”, p. 1388, lines 192–197**

[DR 09-0203]

<<Relax NG schema change description goes here>>

**90. §B.5.1, “DrawingML - Charts”, p. 1388, lines 209–214**

[DR 09-0203]

<<Relax NG schema change description goes here>>

**91. §B.5.1, “Drawing ML - Charts”, pp. 1389, lines 261–272**

[DR 09-0004]

```
dchrt_ST_MarkerStyle =  
  string "circle"  
  ...  
  | string "x"  
  | string "auto"
```

**92. §B.5.1, “Drawing ML - Charts”, p. 1390, lines 311–312**

[DR 09-0003]

<<Relax NG schema change description goes here>>

**93. §B.5.1, “Drawing ML - Charts”, p. 1397, lines 652**

[DR 09-0006]

```
dchrt_ST_Skip = xsd:unsignedIntShort { minInclusive = "1" }
```

#### 94. §B.5.1, “DrawingML - Charts”, p. 1398, lines 710–715

[DR 09-0203]

<<Relax NG schema change description goes here>>

#### 95. §B.5.3, “DrawingML - Diagrams”, p. 1411, 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 =
```

#### 96. §B.5.3, “DrawingML - Diagrams”, p. 1412, lines 394–402

[DR 08-0004]

```
attribute custScaleX { xsd:intddgrm_ST_PrSetCustVal }?,
attribute custScaleY { xsd:intddgrm_ST_PrSetCustVal }?,
attribute custT { xsd:boolean }?,
attribute custLinFactX { xsd:intddgrm_ST_PrSetCustVal }?,
attribute custLinFactY { xsd:intddgrm_ST_PrSetCustVal }?,
attribute custLinFactNeighborX { xsd:intddgrm_ST_PrSetCustVal }?,
attribute custLinFactNeighborY { xsd:intddgrm_ST_PrSetCustVal }?,
attribute custRadScaleRad { xsd:intddgrm_ST_PrSetCustVal }?,
attribute custRadScaleInc { xsd:intddgrm_ST_PrSetCustVal }?,
```

#### 97. §B.6.1, “Math”, p. 1443, line 240

```
m_EG_OMathElements = m_EG_OMathMathElements | w_EG_RunLevelEltsw_EG_PContentMath
```